



XC 9020

Thank you for purchasing the Copier XC 9020.

This USER'S MANUAL contains functional and operational explanations for the XC 9020.
Please read this USER'S MANUAL carefully before using the Copier.
Please keep this USER'S MANUAL for future reference.

1. When this product is installed in North America.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2. When this product 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 effected 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 COPIER as far as possible from said equipment.**

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

Safety Warnings

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 machine.

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



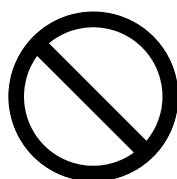
WARNING

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"



WARNING



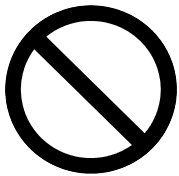
Ground the product with a correct ground source or you may be electrically shocked.



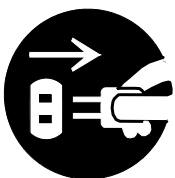
1. The Power source should be as follows:
220-240V plus 6% or minus 10%, 50/60Hz, 10A
2. Use a circuit with a dedicated breaker.
3. Install the product as close to the wall outlet as possible.
4. If you wish to move the machine, please contact your service personnel.



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 copier.
It may result in a fire or an electrical shock.



1. Do not plug in the machine 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!**



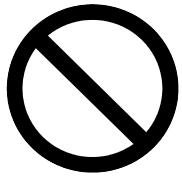
1. Do not put a flower vase, a flowerpot or any water-filled item on the product.
Spilt water could cause a fire or an electric shock.
2. If the product generates an abnormal smell or noise, turn it off and unplug it from the wall electrical outlet immediately.



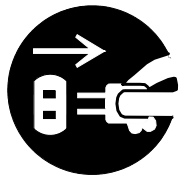
1. Do not throw toner (including wasted toner), toner cartridge and used wasted toner bottle into a fire or other sources of heat, as it can explode.
2. When you discard toner (including wasted toner), toner cartridge and used wasted toner bottle, follow your service personnel's instructions.



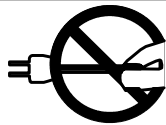
CAUTION



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



1. Unplug the machine 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 machine 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 machine as you may damage the Power Cord.



There are hot items inside of the machine.
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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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.
220-240V plus 6% or minus 10%, 50/60Hz, 10A
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 30 degrees Centigrade, with the humidity between 20% to 80% RH. (NON CONDENSING)

Keep the machine away from water sources, boilers, humidifiers or refrigerators.



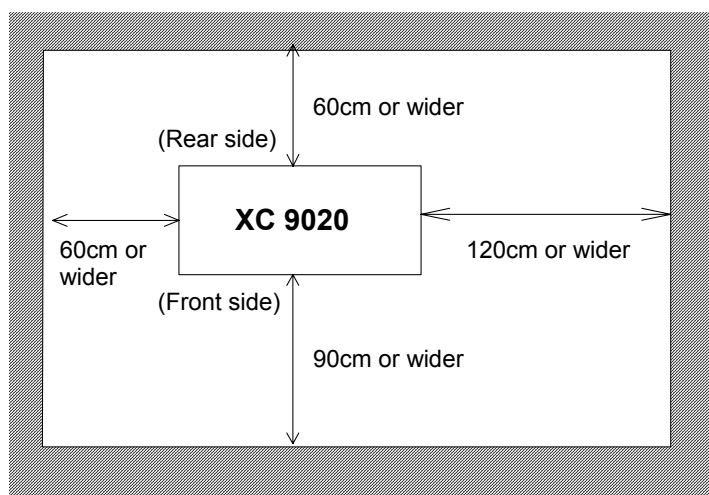
1. The installation site must not have open flames, dust or ammonia gases.
2. The equipment must not be exposed to the air vents from air conditioners.
It may affect the image quality.
3. The equipment should not be exposed to the direct sunlight.
Please draw curtains to block any sunlight.



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 levelled and the floor strength must be ample to sustain the weight of the equipment.



1.2 Originals Prohibited from Duplication

It may not be allowed to copy every type of original.

You may be punished by the law if you possess the copy of some types of originals.

We recommend you to consider the following before you copy originals.

[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]

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 do not copy freely originals such 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 books, music, paintings, printed copy, maps, drawings, movie and pictures which are protected by the copyright, except for personnel, family use or similar purpose.

1.3 Features

1. 2 methods to feed media

XC 9020 can feed media by automatic roll paper feeding (1 roll) and manual cut sheet feed.

2. Cut Modes selection

2 Cut Modes are selectable; Standard Cut and Synchro Cut.

3. 2 copies/min. for A0 size

XC 9020 can make 2 A0 copies/minute.

4. Multiple Copy

It is possible to make a multiple copy up to 19 copies.

(We are unable to guarantee the accuracy of the Original feed, past 10 sheets during Multiple Copy.)

5. Sample Copy is available.

XC 9020 has a Sample Copy function that allows to check the copy image in advance.

6. 14 kinds of Copy Density Level (including SL Mode) are available.

7. Adjustment of Leading Margin and Trailing Margin (40mm max.).

8. Easy Operation

- a) Several kinds of operation such as original insertion, copy ejection and paper supply can be made in front of the machine.
- b) Toner is supplied by Toner Cartridge.

9. Environmentally Friendly Design

- a) Power Saving Mode
(Satisfies the International ENERGY STAR® Office Equipment Program)
- b) Succeeds a considerable reduction of hazardous substances on its components.

1.4 Specifications

Subject	Specification
Model	XC 9020
Configuration	Desk Top Type
Original	Sheet through type
Photoconductor	Organic Photoconductive Drum
Copy method	Indirect Electrostatic System
Copy speed	60mm per second (1.5 copies (A0) / minute)
Light Source	Fluorescent lamp
Kind of Original	Sheet
Original thickness	Maximum 0.2mm Minimum 0.05mm
Original width	Maximum 841mm Minimum 210mm
Original length	Maximum 3000mm Minimum 297mm
Copying width	Maximum 841 Minimum 210mm
Copying length	Maximum 3000mm Minimum 297mm
Warm up time	Less than 8 minutes (At 23°C, 60%RH, the rated voltage, and plain paper is used)
First copy time	33 seconds (A0 size)
Media feeding method	Automatic roll paper feeding & manual cut sheet paper feeding
Fusing method	Heat Roller Fusing
Exposure method	Lens array
Development method	Dry (Mono-component)
Copy magnification ratio	1 : 1
Input power	220-240V plus 6% or minus 10%, 50/60Hz, 6.5A
Maximum power consumption	1600W
Acoustic noise	Stand by Max. 50db Printing Max. 55db Impulse sound Max. 60db EN ISO7779
Ozone	Max. 0.1ppm (Measurement method under UL Standard)
Dimensions	1293mm (Width) x 460mm (Depth) x 580mm (Height)
Weight	About 125kg
Media	Plain Paper 64 to 80g/m ² Vellum 64 to 80g/m ² Film 120g/m ²
Environmental condition for usage	(Temperature) 10 to 30 degrees Centigrade (Humidity) 20 to 80% RH
Storage of consumables	(Media) Wrap the media surely to shut out the humidity. (Toner bottle) Store the toner within the temperature range from 0 to 35 degrees Centigrade and within the humidity range from 10 to 85% RH.

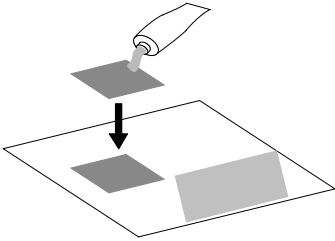
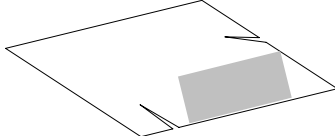
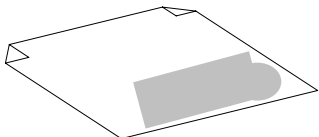
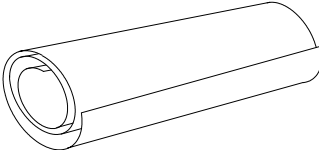
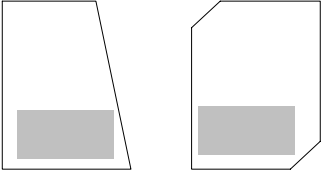
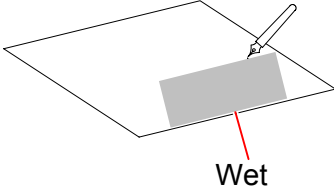
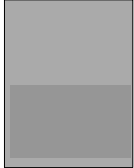
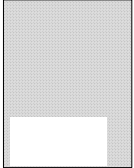
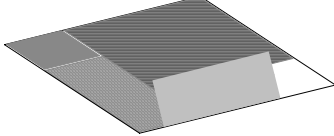
NOTE : The above specifications may change without notice.

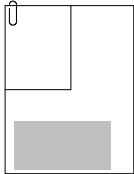
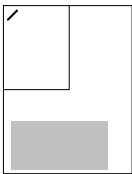
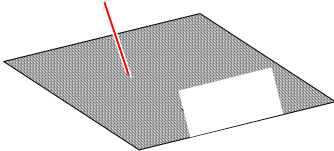
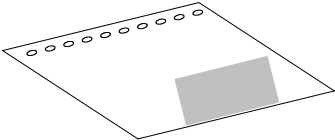
1. 5 Specifications of Original

The used original must satisfy the following specifications.

	Minimum	Maximum	Remarks
Thickness	0.05mm	0.2mm	In case of Single Copy
	0.07mm	0.2mm	In case of Multiple Copy
Width	210mm	841mm	
Length	297mm	3,000mm	

Also, do not use the following kinds of original, because you may damage the original or machine!

<p>Sticked with paste</p> 	<p>Torn</p> 
<p>Folded</p> 	<p>So much curled</p> 
<p>Irregular shape (Not square)</p> 	<p>Wet (Ink is not dried)</p> 
<p>Made of metal or cloth</p> <div><p>Metal</p></div> <div><p>Cloth</p></div>	<p>Patched</p> 

<p>Clipped or stapled</p> <div data-bbox="308 125 416 163" data-label="Caption">Clipped</div>  <div data-bbox="507 125 614 163" data-label="Caption">Stapled</div> 	<p>Rough surface (Carbon paper for example)</p> <div data-bbox="930 152 1129 190" data-label="Caption">Rough surface</div> 
<p>100Punched</p> 	

1. 6 Specifications of Copying Paper

The following sizes of paper are available for copying.

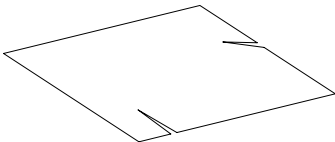
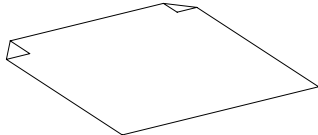
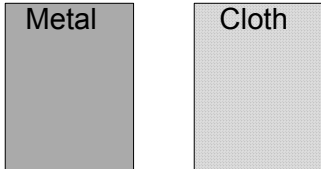
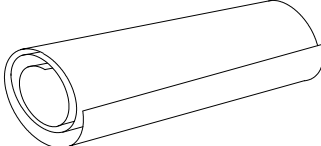
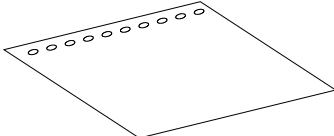
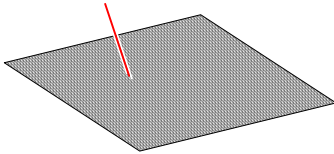
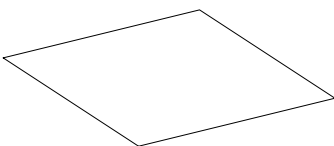
The maximum width is 914mm (36 inches) and the minimum is 216mm.

The maximum length is 3000mm, and the minimum is 279mm.

Type	Weight	Available Copying Sizes
Plain Paper	64 to 80g/m ²	A0, A1, A2, A3 and A4 size
Vellum	64 to 80g/m ²	
Film	120g/m ²	

If the used paper does not satisfy the above specifications, it may cause such troubles as paper mis-feed, defective image, etc.

Do not use the following kinds of paper because the paper mis-feed may occur.

Torn 	Folded 
Made of metal or cloth 	So much curled (In case of the Cut Sheet Paper) 
Punched 	Rough surface (Carbon paper for example) Rough surface 
OHP Film 	

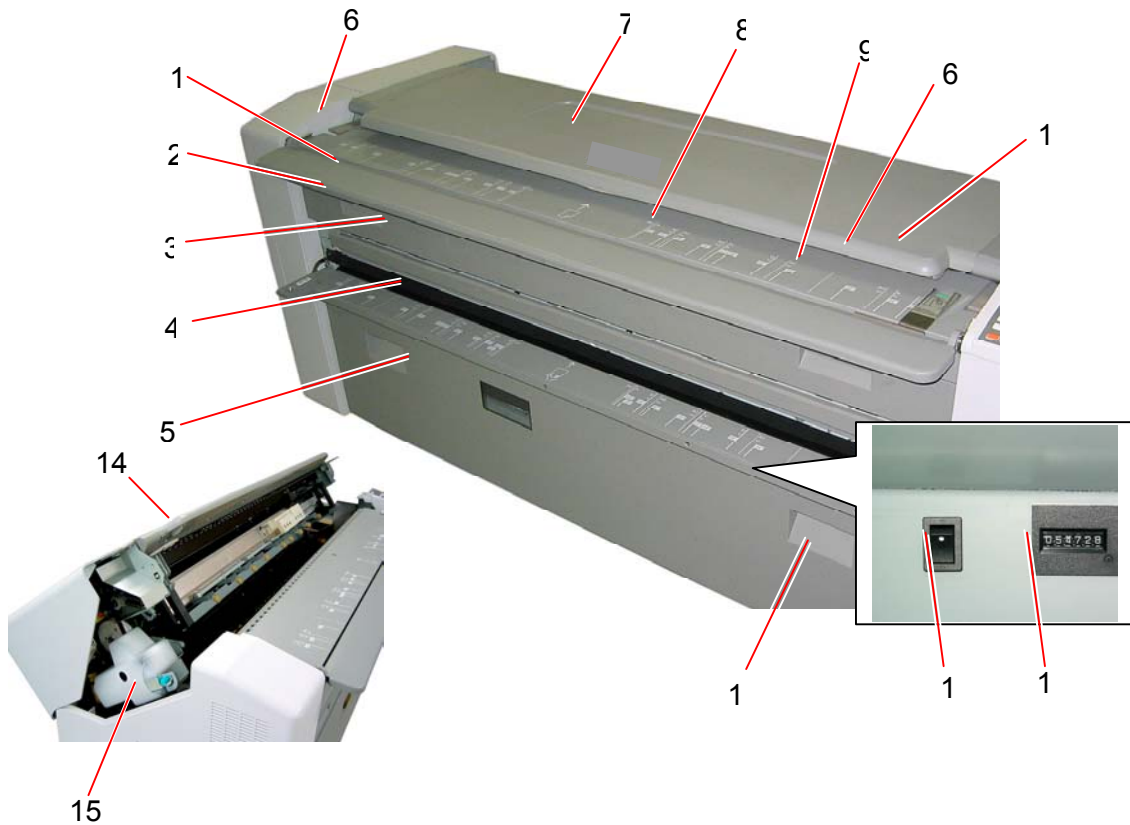
1.7 Storage of Copying Media

According to the humidity of the installation place, store the copying media as follows.

Humidity level	Possible trouble and treatment
Very low humidity	<u>Possible trouble</u> Any of “void of image” or “paper crease” may occur when you make a copy with a plain paper or vellum. <u>Treatment</u> 1. Turn on the air conditioner and the humidifier to humidify the room air. 2. Remove the plain paper or vellum from the machine whenever you finish copying, and keep it in a polyethylene bag.
Low Humidity	<u>Possible trouble</u> “Void of image” may occur when you make a copy with a vellum. <u>Treatment</u> Remove the vellum from the machine whenever you finish copying, and keep it in a polyethylene bag.
40%RH to 70%RH	Remove the paper from the machine every day in the evening, and keep it in a polyethylene bag. Then set it to the machine in the next morning.
High Humidity	<u>Possible trouble</u> “Void of image” may occur when you make a copy with a plain paper or vellum. <u>Treatment</u> 1. Turn on the Dehumidify Heater of XC 9020 to dehumidify the air in the machine. 2. Remove the plain paper or vellum from the machine whenever you finish copying, and keep it in a polyethylene bag.
Very High Humidity	<u>Possible Trouble</u> “Void of image” or “paper crease” may occur when you make a copy with a plain paper or vellum. <u>Treatment</u> 1. Turn on the Dehumidify Heater of XC 9020 to dehumidify the air in the machine. 2. Turn on the air conditioner and the dehumidifier to dehumidify the room air. 3. Remove the paper from the machine whenever you finish copying, and keep it in a polyethylene bag.

1. 8 Appearance

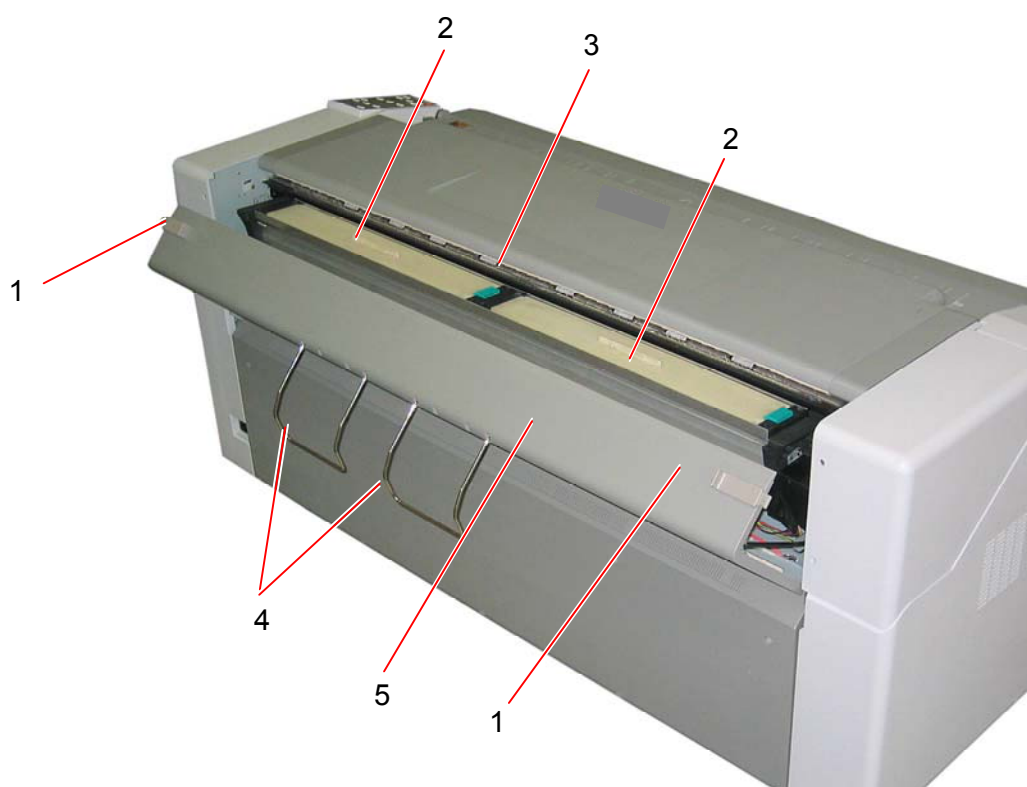
1. 8. 1 Front View



No.	Name	Function
1	Original Table	Open the Original Table and put the original onto it.
2	Exit Cover	Open the Exit Cover when you remove a mis-fed paper in the Fuser Unit.
3	Copy Exit	Copies are ejected from the Copy Exit.
4	Bypass Feeder Table	Open the Bypass Feeder Table when you make a copy with a cut sheet paper.
5	Front Door	Open the Front Door when you replace the roll paper.
6	Upper Unit Open Lever	Press down these levers to unlock and open the Upper Unit.
7	Original Feed Unit	The Original is transported under the Original Transport Unit.
8	Original Feed Table	Put the original on the Original Feed Table, and push it in for the scan.
9	Original Guide	Move the Original Guide according to the width of original. The original is transported along with it.
10	Operation Panel	Several copying operations are available. Refer to [1.8.3 Operation Panel] on the page 1-13.

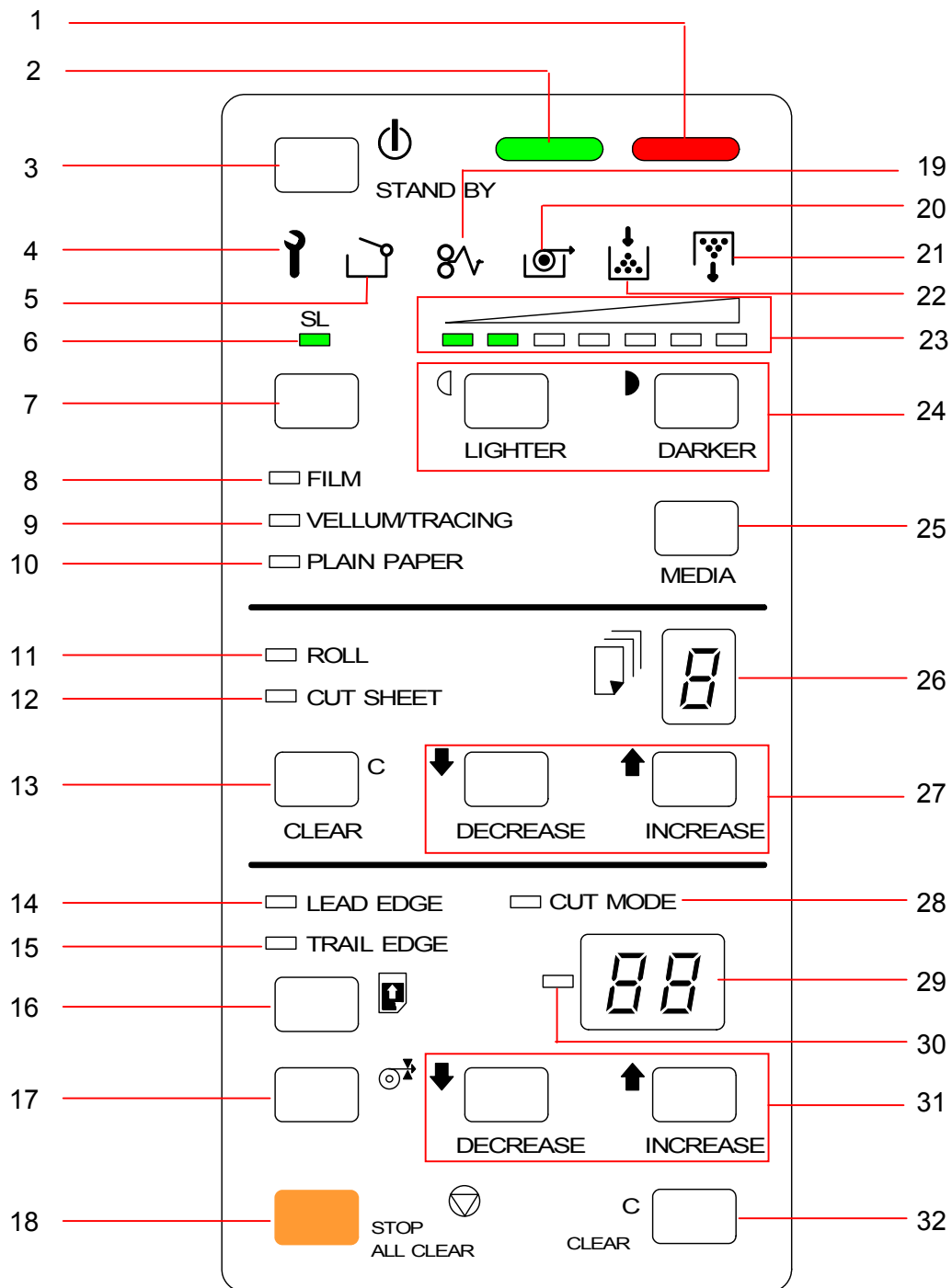
No.	Name	Function
11	Power Switch	You can turn on/off the XC 9020.
12	Dehumidify Heater Switch	You can turn on/off the Dehumidify Heater which dehumidifies the roll paper in the machine.
13	Length Counter	Total copy length is indicated. (1 count /1 meter)
14	Upper Unit	Open the Upper Unit when you remove a mis-fed paper.
15	Waste Toner Bottle	Waste toner is collected into this bottle.

1. 8. 2 Rear View



No.	Name	Function
1	Toner Hatch Open Levers	Pull both the Toner Hatch Open Levers inward to unlock and open the Toner Hatch.
2	Developer Covers	Remove these covers when you set a new Toner Cartridge to supply the toner to the Developer Unit.
3	Original Exit	Original is ejected from here.
4	Original Receiver	They receive the original after the ejection.
5	Toner Hatch	Open the Toner Hatch when you supply the Toner.

1. 8. 3 Operation Panel



No.	Name	Function
1	WAIT Indicator	The WAIT Indicator lights when the XC 9020 is warming up. (It is impossible to make a copy when it is lighting.) Also the WAIT Indicator flashes when the Original Guide is not at the far right position. (It is impossible to make a multiple copy in this case.)
2	READY Indicator	The READY Indicator lights when the XC 9020 is available for copying. (It is put out when you start copying. It lights again when a copy is completed.)
3	STAND BY Key	Press the STAND BY to enter the Power Saving Mode. Refer to [3.6 Power Saving Mode and Power OFF Mode] on and after the page 3-11 as for the Power Saving Mode.
4	Service Call Indicator	Service Call Indicator lights when the XC 9020 has a significant error or problem that a user can not fix by him/herself. Call your service personnel when it lights.
5	Door Open Indicator	The Door Open Indicator lights when any of Upper Unit, Exit Cover, Front Door or Toner Hatch is opened or not locked firmly.
6	SL Indicator	The SL Indicator lights when you select the SL (Strong Light) Mode. Refer to [3.2 Adjusting the Copy Density] on the page 3-3 as for the SL Mode.
7	SL Key	Press the SL Key to select the SL Mode. Refer to [3.2 Adjusting the Copy Density] on the page 3-3 as for the SL Mode.
8	FILM Indicator	The FILM Indicator lights when the roll paper installed to the machine is a film.
9	VELLUM/TRACING Indicator	The VELLUM/TRACING Indicator lights when the roll paper installed to the machine is a vellum (or tracing paper).
10	PLAIN PAPER Indicator	The PLAIN PAPER Indicator lights when the roll paper installed to the machine is a plain paper.
11	ROLL PAPER Indicator	The ROLL Indicator lights when the roll paper feeding mode is selected.
12	CUT SHEET Indicator	The CUT SHEET Indicator lights when the cut sheet paper feeding mode is selected.
13	CLEAR Key (Copy number)	Press the CLEAR Key (Copy number) to clear the setting value of copy number.
14	LEAD EDGE Indicator	This Indicator lights when the Leading Margin Setting is selected.
15	TRAIL EDGE Indicator	This Indicator lights when the Trailing Margin Setting is selected.
16	LEAD/TRAIL Select Key	Select either the Leading Margin Setting Mode or Trailing Margin Setting Mode pressing the LEAD/TRAIL Select Key.
17	Cut Mode Select Key	Specify the Cut Mode pressing the Cut Mode Select Key.

No.	Name	Function
18	STOP/ALL CLEAR Key	1) Press the STOP/ALL CLEAR KEY to stop copying in the middle. 2) Also press the STOP/ALL CLEAR KEY when the machine is not copying to clear (initialize) all the settings.
19	Mis-feed Indicator	The Mis-feed Indicator lights when the copying paper or original is mis-fed anywhere in the machine.
20	Roll Empty Indicator	The Roll Empty Indicator lights when the roll paper is emptied.
21	Wast Toner Full Indicator	The Waste Toner Full Indicator lights when the Waste Toner Bottle is filled with the toner (or when the Wasted Toner Bottle is installed incorrectly).
22	Toner Empty Indicator	The Toner Empty Indicator lights when the toner is emptied.
23	Copy Density Indicator	The selected level of Copy Density is indicated.
24	LIGHTER Key DARKER Key	Press these keys to adjust the copy density.
25	MEDIA Key	Make the machine recognize the type of paper pressing the MEDIA Key. PLAIN PAPER Indicator, VELLUM/TRACING Indicator and FILM Indicator lights orderly whenever you press this key.
26	Copy Number Indicator	The setting value of Copy Number is indicated.
27	DECREASE Key INCREASE Key (Copy Number)	Increase or decrease the setting value of Copy Number pressing these keys.
28	CUT MODE Indicator	The CUT MODE Indicator shows which Cut Mode is selected presently. It lights when the Standard Cut Method is selected, and it is put out when the Synchronous Cut Mode is selected.
29	Indication Part	The Indication part indicates some kinds of information such as the setting value of Leading/Trailing Margin, Cut Mode and Error Codes.
30	Minus indicator	The Minus Indicator lights when you input a minus value for the Leading Margin setting.
31	DECREASE Key INCREASE Key (Leading/Trailing Margin)	a. Increase or decrease the setting value of Leading/Trailing Margin pressing these keys. b. Also change the Cut Length pressing these keys in case you select the Standard Cut Mode.
32	Clear Key (Leading/Trailing Margin)	Press the CLEAR Key (Leading*/Trailing Margin) to clear the setting value of Leading/Trailing Margin.

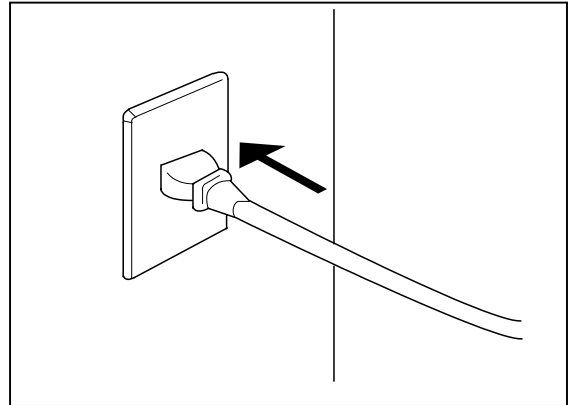
Chapter 2

Basic Operation

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2. 2 Turning off the XC 9020	2- 4
2. 3 Replacing the Roll Media	2- 5
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2. 6 Copying with Cut Sheet Media	2-16
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2. 1 Turning on the XC 9020

1. Plug the XC 9020 into an exclusive wall outlet.

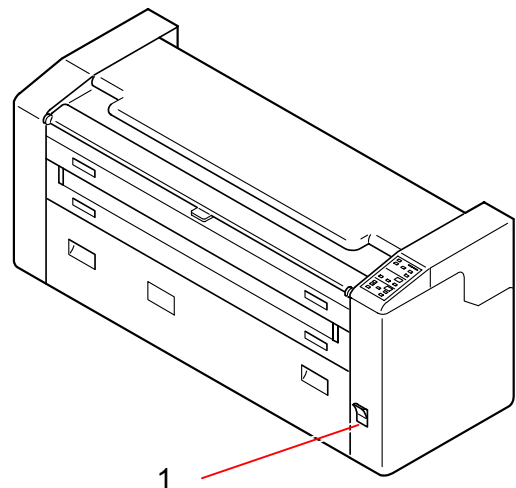


WARNING

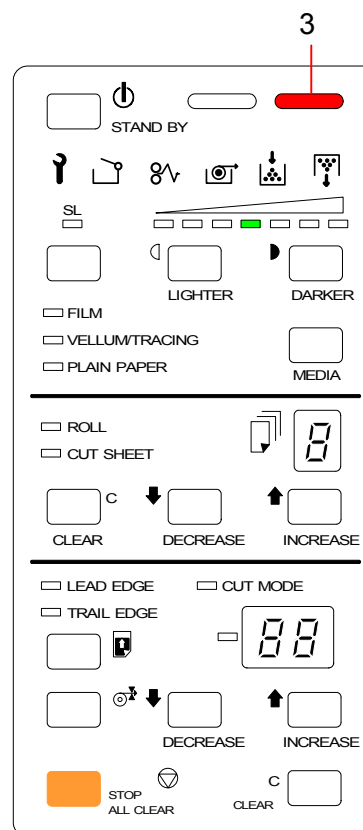
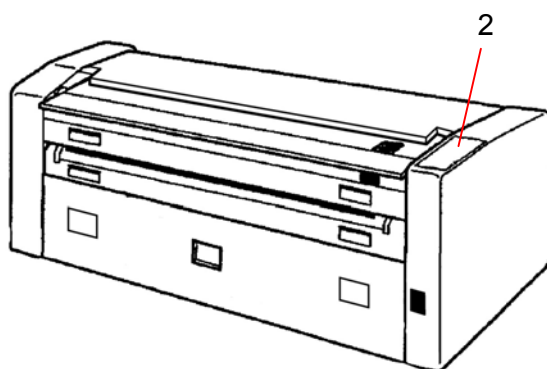
- (1) Do not handle the Power Plug with wet hands, or you may receive an electrical shock.
- (2) Ground the printer for safety.
- (3) Do not plug the printer into a multi-wiring connector in which other devices are plugged. It may overheat the outlet and may result in a fire.
- (4) outlet must satisfy 220-240V +6%/-10%, 50/60Hz and 10A.

2. There is a Power Switch (1) on the right front side of XC 9020.

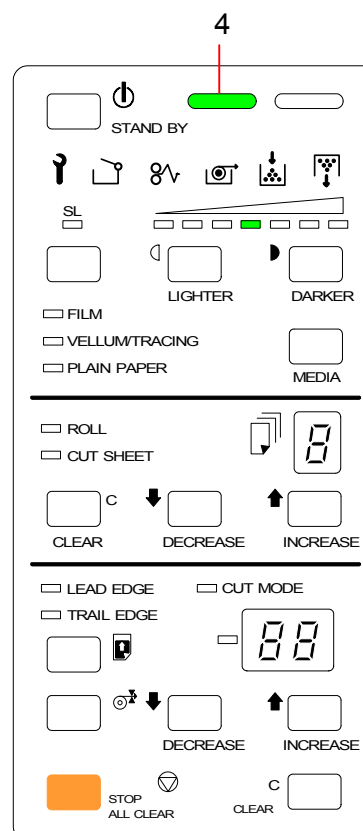
Press its “ I ” side to turn on the XC 9020.



- There is an Operation Panel (2) on the right top of the machine.
The WAIT Indicator (3) on the Operation Panel lights when the machine is warming up.



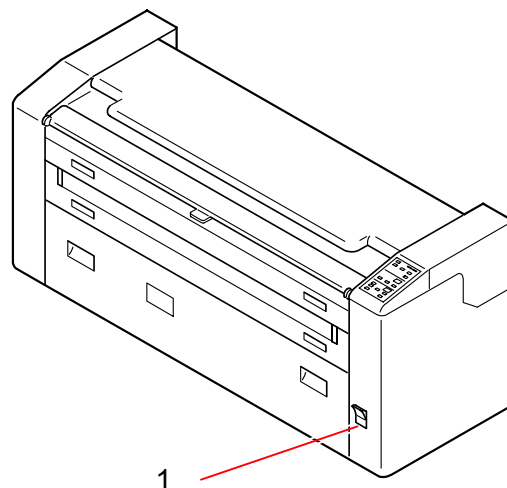
- The Ready Indicator (4) lights when the XC 9020 is ready.



2. 2 Turning off the XC 9020

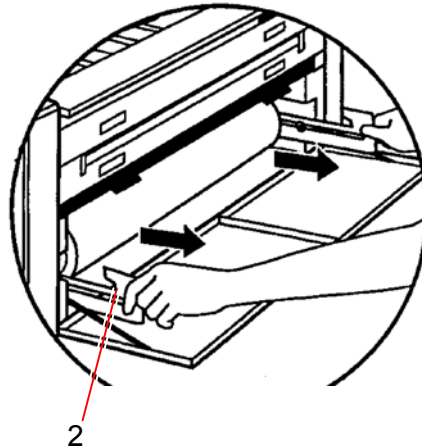
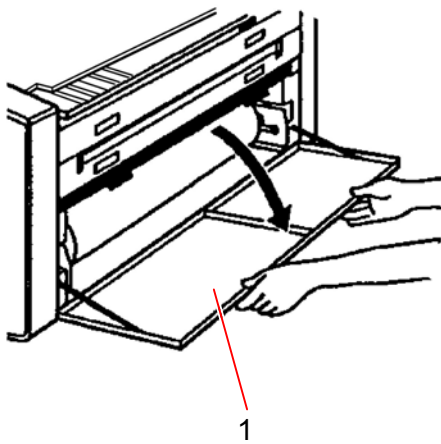
1. There is a Power Switch (1) on the right front side of XC 9020.

Press its “O” side to turn off the XC 9020.

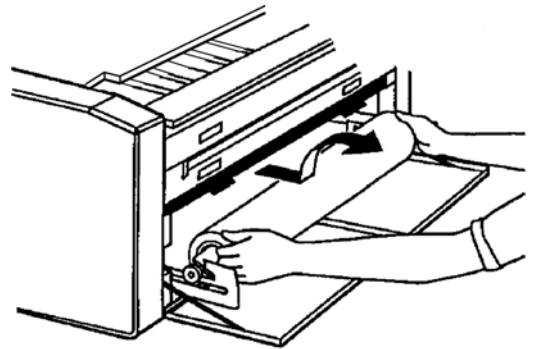


2. 3 Replacing the Roll Media

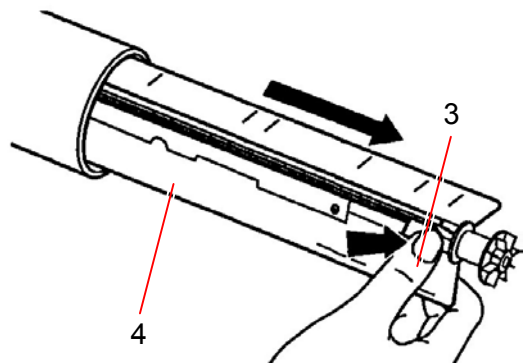
1. Open the Front Door (1), and then pull out both the Spool Guides (2).



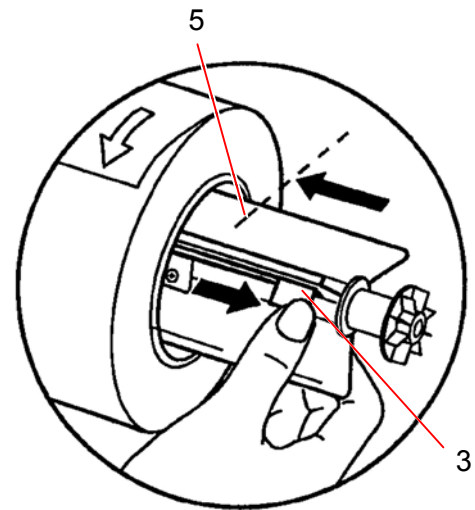
2. Lift up the core of roll paper with the Spool holding its both sides.



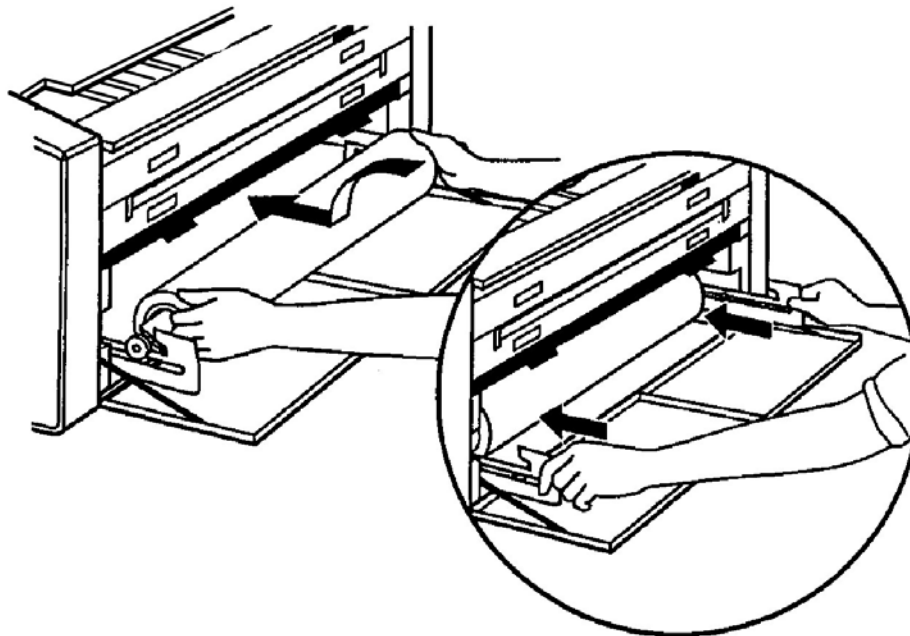
3. Press down the Lock Lever (3) to unlock the core of roll paper, and then pull out the Spool (4) from the core.



4. Insert the Spool into the new roll paper with pressing down the Lock Lever (3).
And then align the side face of roll paper with the concerning size mark (5) printed on the Spool.
When aligned, release your hand from the Lock Lever (3) to lock the roll paper firmly.



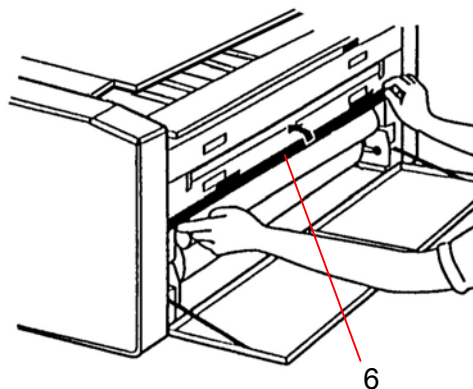
5. Install the Spool with the new roll paper to the inner groove of the Spool Guides. Then push in the Spool Guides.



! NOTE

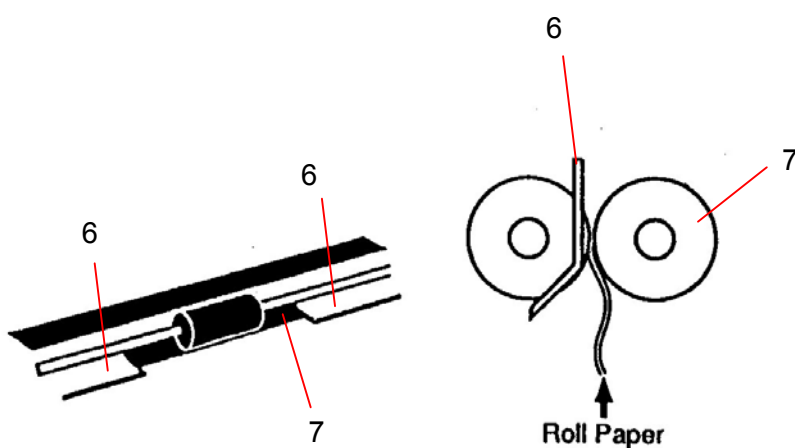
1. Return Spool Guide as shown in illustration.
2. Handle carefully as roll paper is heavy.

6. Lift up the Feeding Roller Cover (6) until it is locked.

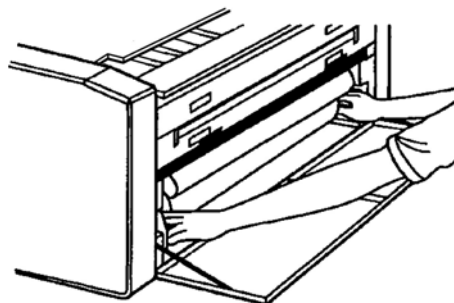


7. Hold on the sides of the media about 30mm from the top leading edge, pulling the paper outwards (to keep the lead edge taught) Feed the media straight up in between the rollers noted . Insert the leading part (about 50mm) of the roll paper between the Feeding Roller Cover (6) and the Roller (7).

And then bring down the Feeding Roller Cover (6).



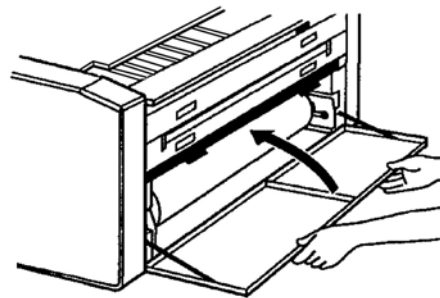
8. Rewind the roll paper a little to remove any slack in the roll paper.



! NOTE

The roll paper may be transported with skew if the roll paper is loose.

9. Close the Front Door.



! NOTE

If the Feeding Roller Cover is not closed properly, the Front Door can not be closed.

10. Cut the leading part of roll paper by the Initial Cut.
(As for the detail of the Initial Cut, refer to [3.1 Initial Cut] on the page 3-2.)

2. 4 Adding Toner

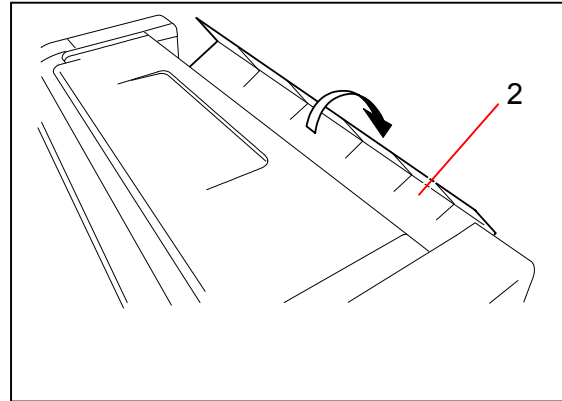
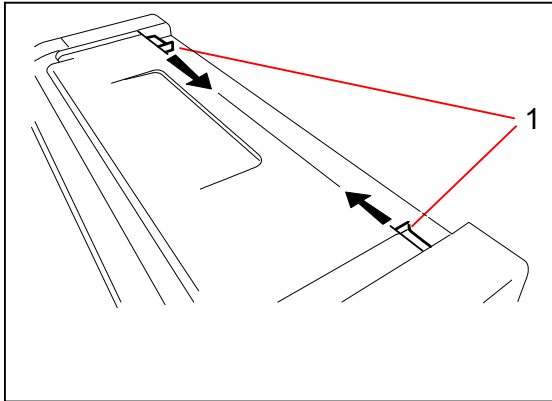
⚠ WARNING

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

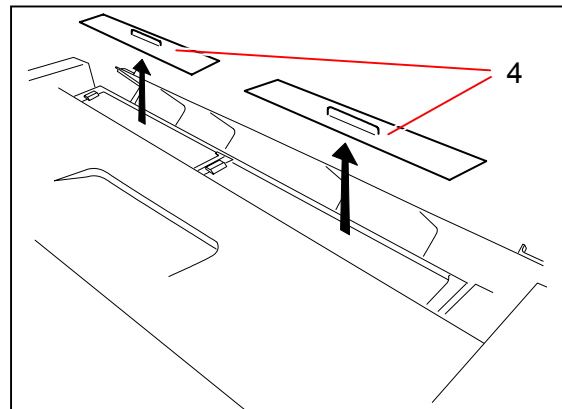
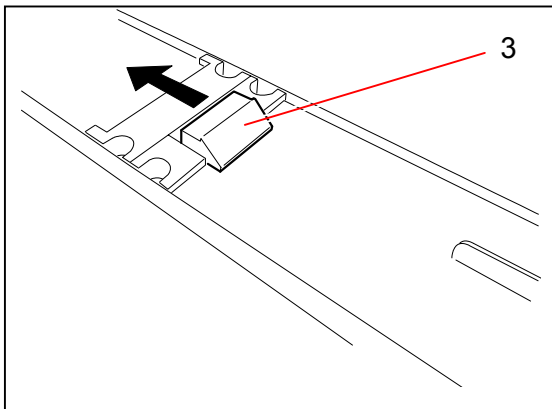
⚠ NOTE

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 fibres.)

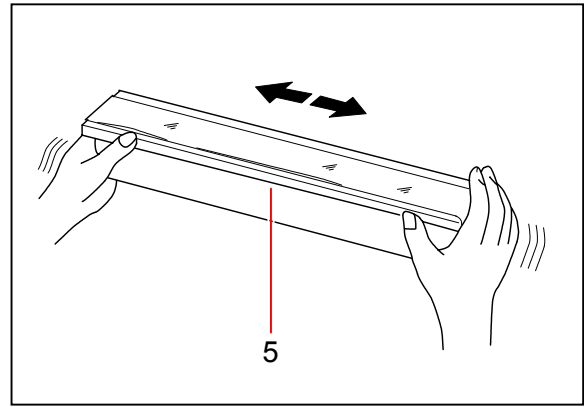
1. Pull both the Toner Hatch Open Levers (1) inward, and open the Toner Hatch (2).



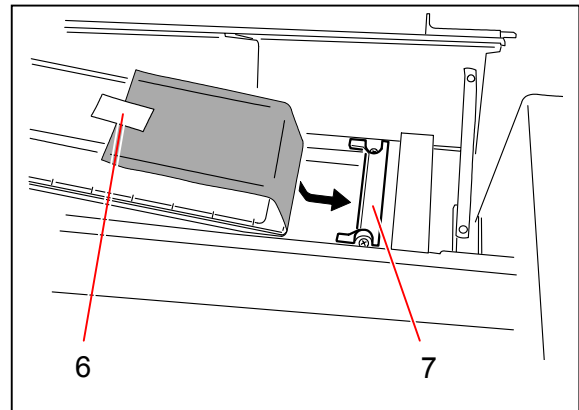
2. Slide each green Hook (3) to the arrow mark, and remove each Developer Cover (4).



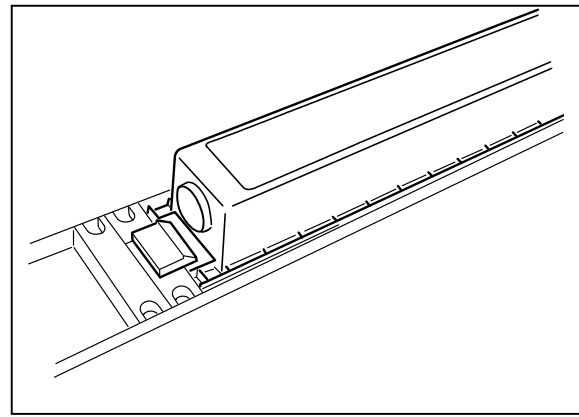
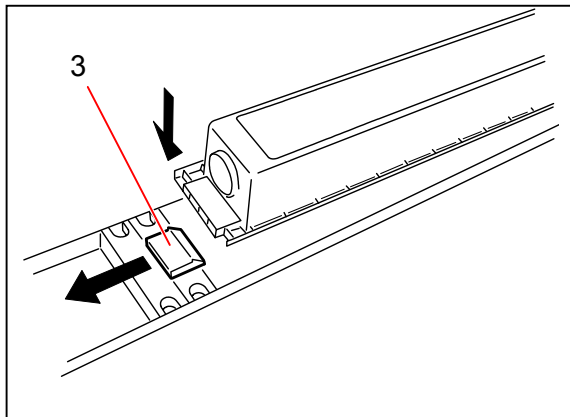
3. Prepare 2 Toner Cartridges (5), and shake them left and right several times while facing up its film side.



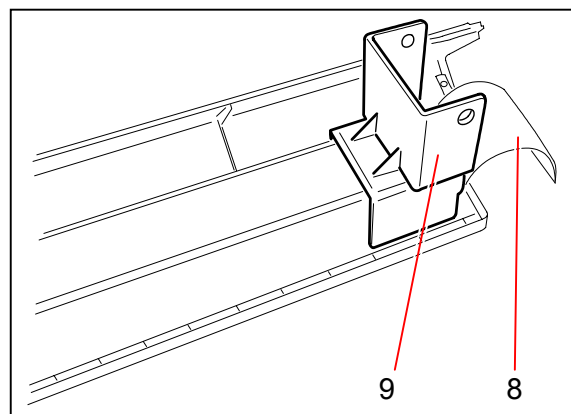
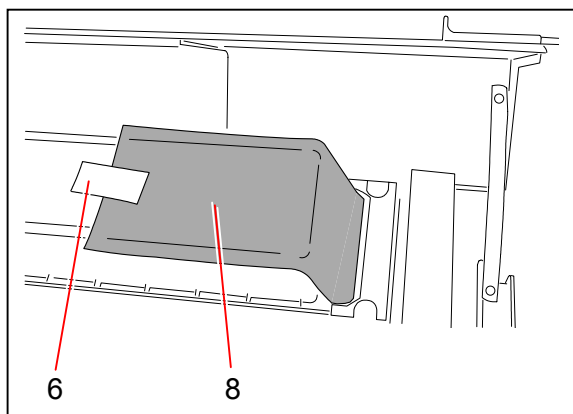
4. One side of each Toner Cartridge has a tape (6) which fixes the film. Insert this side of each Toner Cartridge under the holder (7).



5. Pulling the green Hook (3) toward the arrow mark, press down another side of cartridge. The cartridge will be locked firmly if you release the Hook (3).



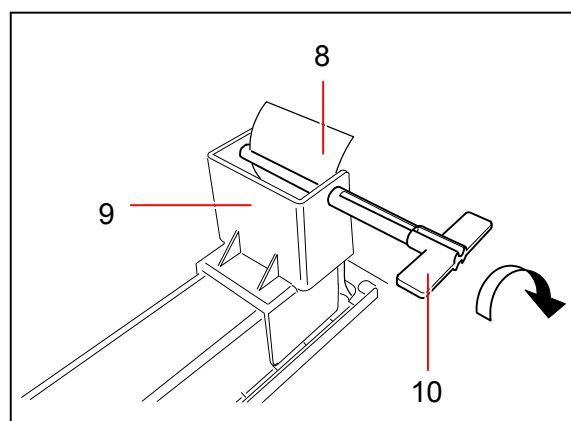
6. Strip off the tape (6) which fixes the film (8), and then put the Holder (9) on the right end of the Toner Cartridge as the following picture.



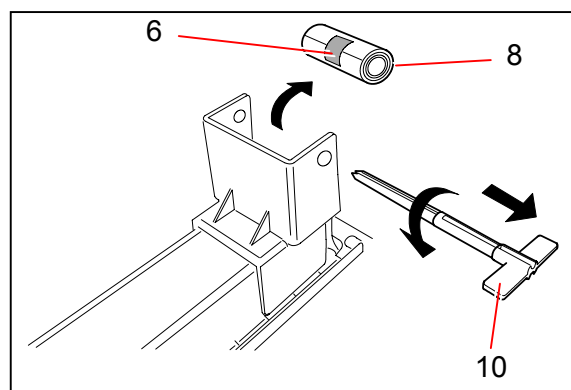
! NOTE

Do not discard the tape (6) at this point of time because it will be used later.

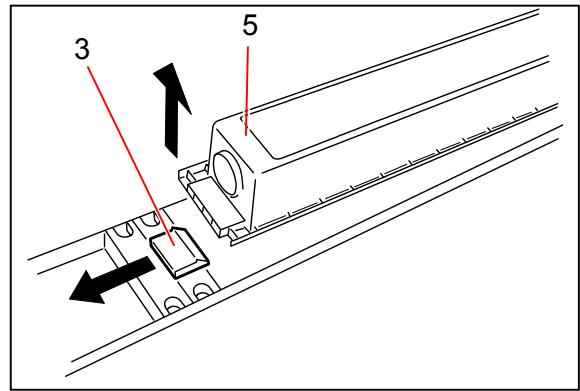
7. Insert the Spool (10) to the holes of Holder (9), while catching the film (8) between its pins. Then rotate the Spool (10) clockwise to wind up the film.



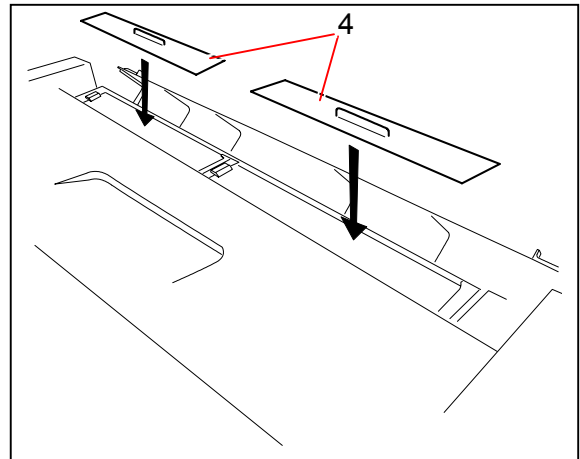
8. Fix the film roll (8) with the tape (6). Rotate the Spool (10) a few revolutions counter-clockwise, pull it out from the film roll, and then discard the film roll.



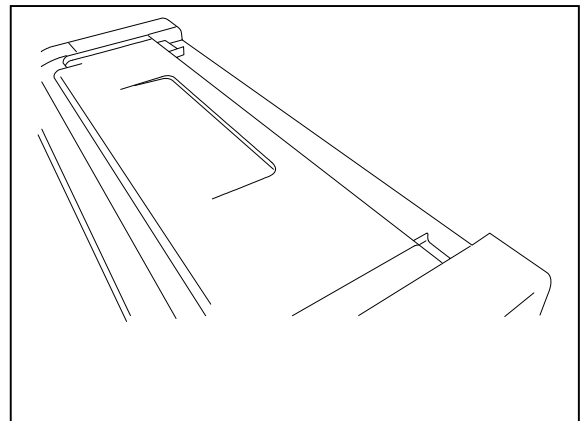
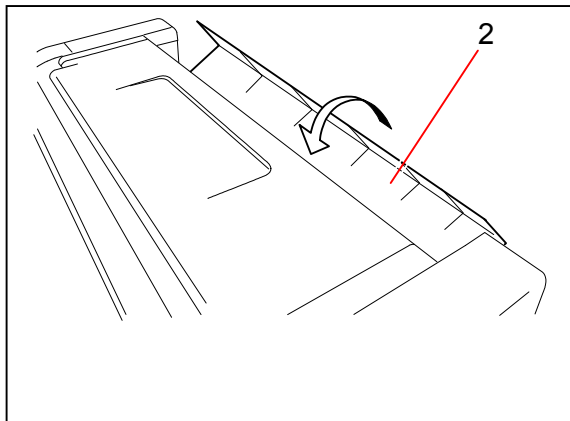
9. Pull each green Hook (3) toward the arrow mark and remove each Toner Cartridge (5).
Discard the Toner Cartridge in a proper way.



11. Put back the Developer Covers (4).

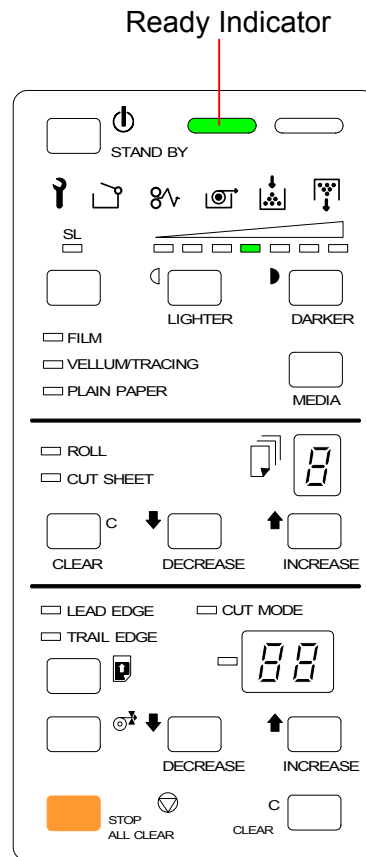


12. Close the Toner Hatch (2).



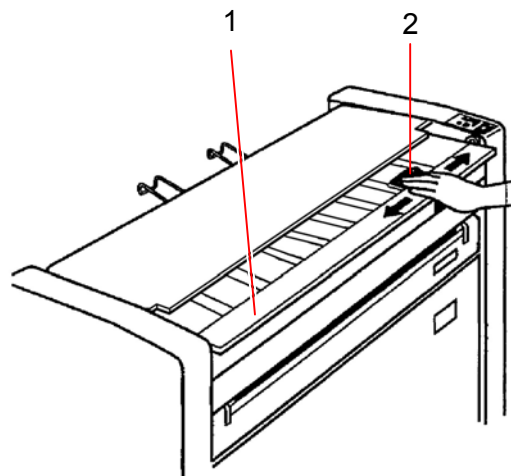
2. 5 Copying with Roll Media

1. Confirm that the Ready Indicator on the Operation Panel is lit.



2. If necessary, change such settings as Copy Density, Leading/Trailing Margin and so on. (Refer to the pages in Chapter 3 as for the details of each setting.)

3. Ensure that the Original Table (1) is open.
Move the Original Guide (2) according to the width of original as needed.

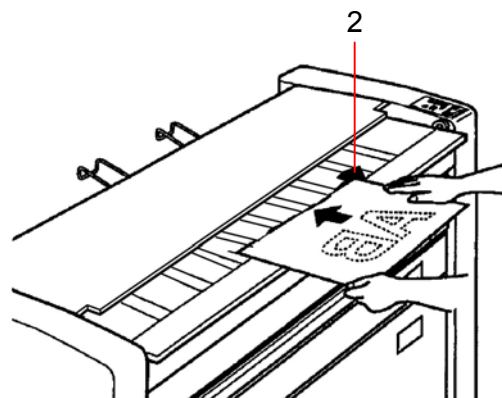


! NOTE

In case you will make a multiple copy, slide the Original Guide fully to the right after you insert the original. Otherwise it is impossible to start multiple copy.

4. Put the original with face down on the Original Table, and then insert it under the Original Feed Unit along the Original Guide (2) until the leading edge touches the feeding roller.

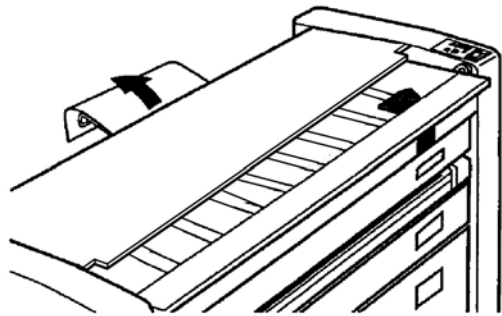
The Original is accepted, a little, remains a moment, and then transported for the copy.



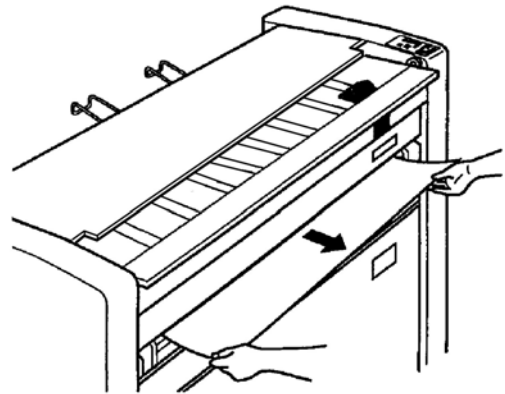
! NOTE

Please wait for a moment if the WAIT Indicator is lighting, as it is impossible to make a copy (If you set the original although the machine is warming up, both the READY indicator and WAIT indicator flash at the same time.)

5. The Original is ejected from the Original Exit after the scan.



6. Copy is ejected from the Copy Exit.

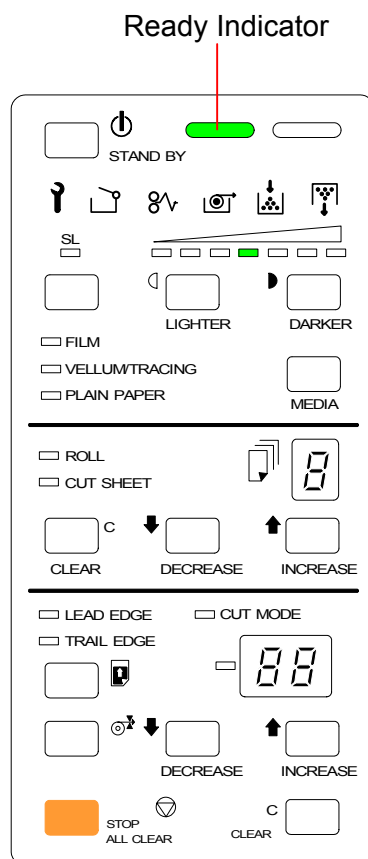


2. 6 Copying with Cut Sheet Media

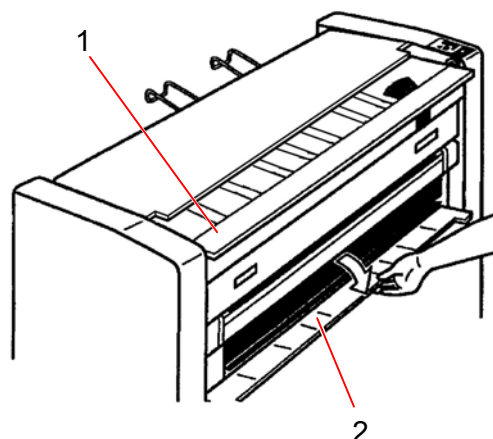
NOTE

It is impossible to make a multiple copy by Cut Sheet Paper Feeding Mode.

1. Confirm that the Ready Indicator on the Operation Panel is lighting.

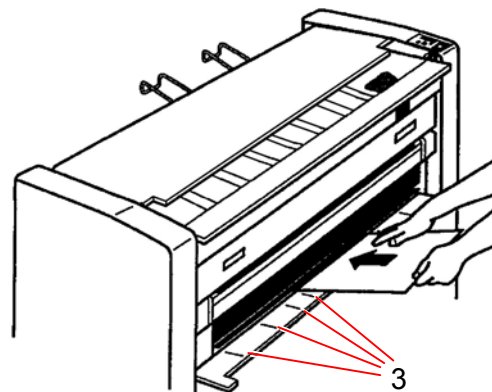


2. If necessary, change such settings as Copy Density, Leading/Trailing Margin and so on.
(Refer to Chapter 3 as for the details of each setting.)
3. Open both the Original Table (1) and the Bypass Feeder Table (2).



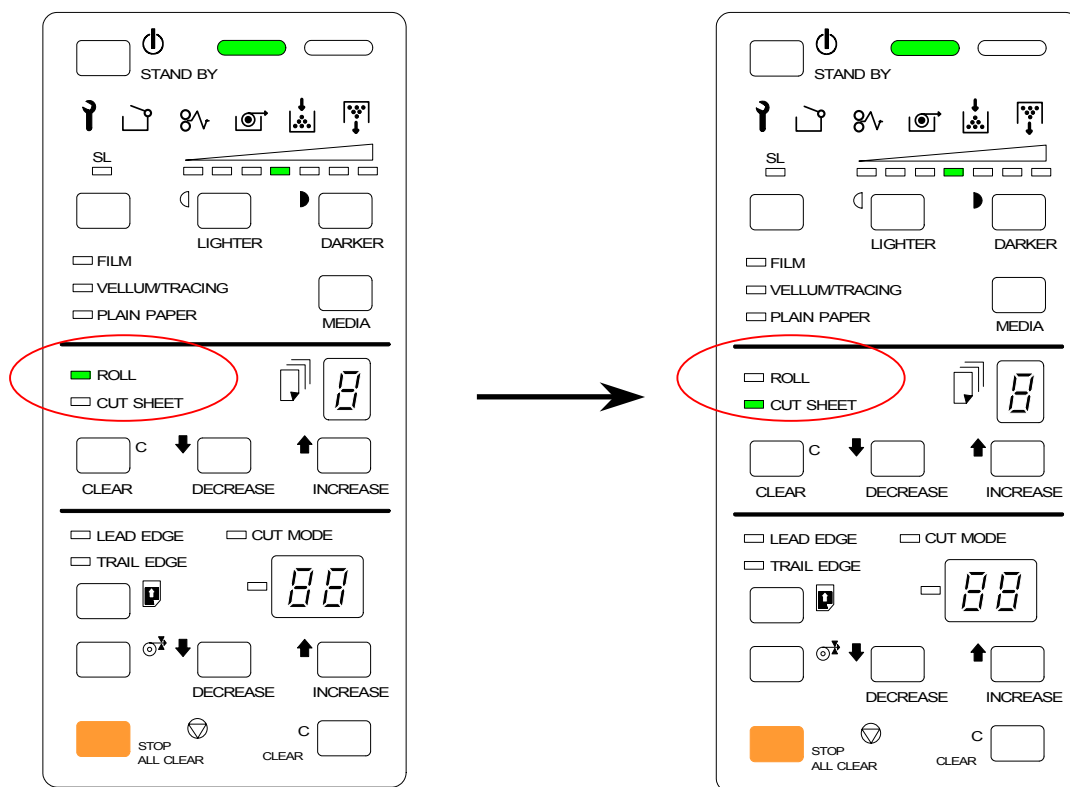
4. There are several Size Marks (3) on the Bypass Feeder Table.
Align the edge of cut sheet paper with the Size Marks (3), and insert the cut sheet into the Bypass until it touches the feeding roller.

Cut sheet paper is transported in a little, and then awaits the original to be inserted.

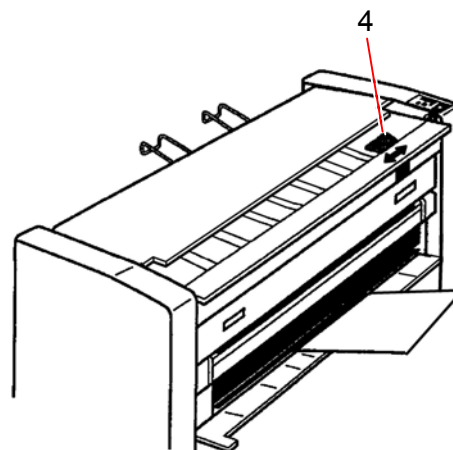


NOTE

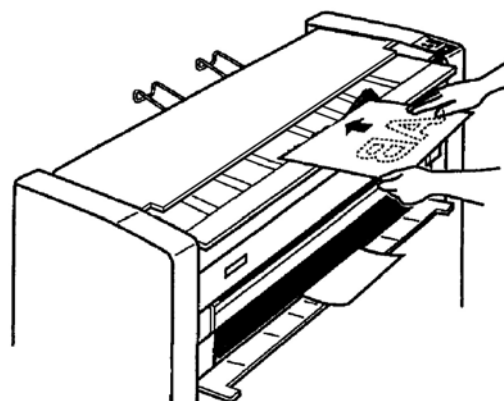
Normally the Roll Paper Feeding Mode is selected.
But if only you set the cut sheet paper the Cut Sheet Paper Feeding Mode is automatically selected.
(The CUT SHEET Indicator on the Operation Panel automatically lights instead of ROLL Indicator at this time.)



5. Move the Original Guide (4) according to the width of original.



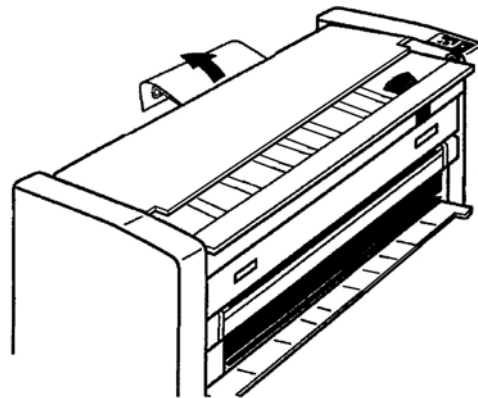
6. Put the original with face down on the Original Table, and then insert it under the Original Feed Unit along the Original Guide (4) until the leading edge touches the feeding roller.
The Original is transported a little, remains for a moment, and then transported for the scan.



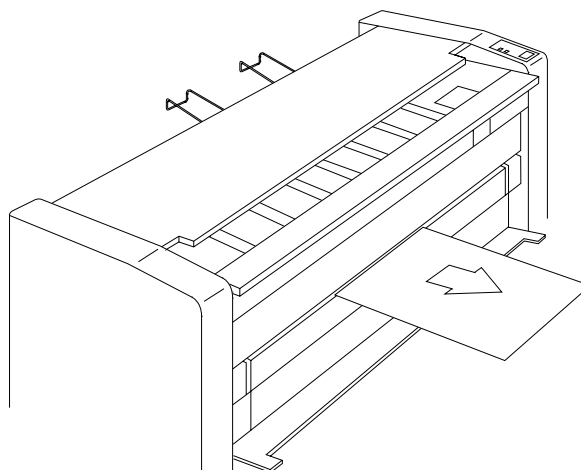
! NOTE

Please wait for a moment if the WAIT Indicator is lighting, as it is impossible to make a copy (If you set the original although the machine is warming up, both the READY indicator and WAIT indicator flash at the same time.)

7. The Original is ejected from the Original Exit after the scan.



8. Copy is ejected from the Copy Exit.



! NOTE

1. The paper feeding mode automatically changes from Cut Sheet Paper Feeding Mode to Roll Paper Feeding Mode after the copy.
2. It is impossible to set multiple sheets in to the Bypass Feeder.
Please set it one at a time.
(When the previous cut sheet paper has been transported, the READY Indicator lights and it becomes possible to set the next sheet. Note that you can not set the sheet when the READY Indicator is out.)

2. 7 Replacing the Waste Toner Bottle

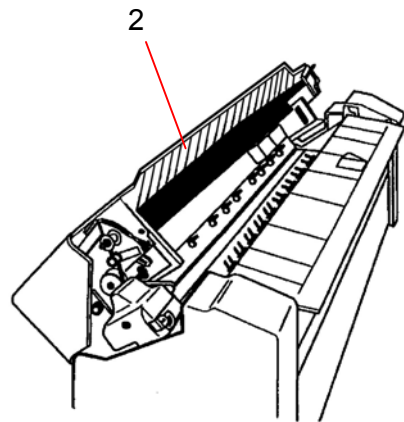
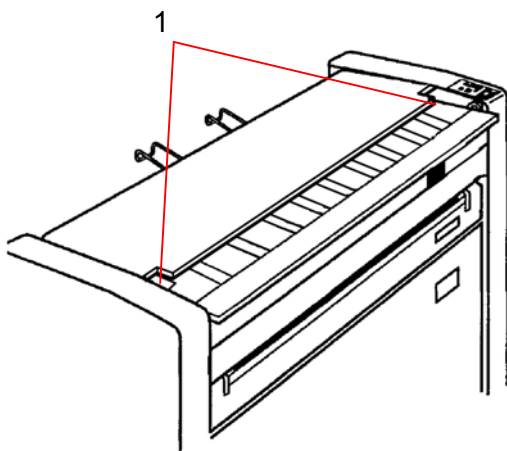
! WARNING

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

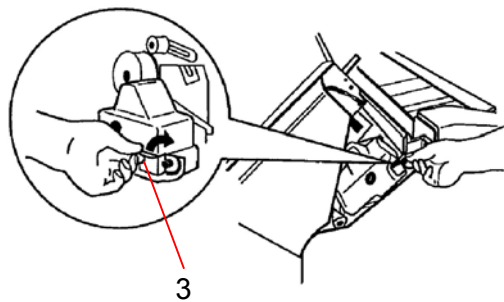
! NOTE

Do not reuse the wasted toner.

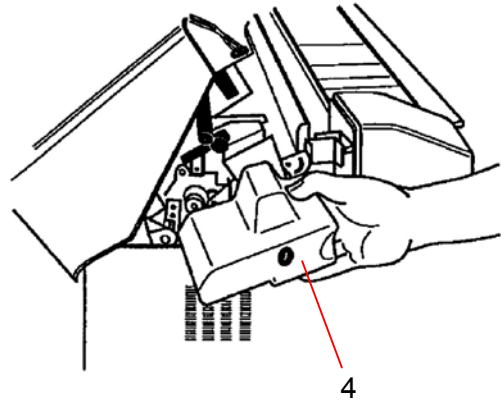
1. Press down the Upper Unit Open Levers (1) at both sides, and lift up the Upper Unit (2).



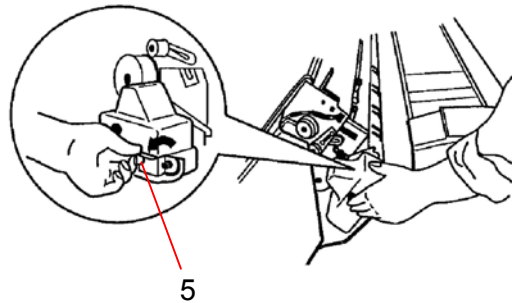
2. Loosen the Screw Knob (3), and remove the Bracket of Waste Toner Bottle.



3. Remove the Waste Toner Bottle (4) gently.



4. Install the new Waste Toner Bottle.
Then hold it with the Bracket and tighten the
Screw Knob (5).



5. Close the Upper Unit.

! NOTE

1. If toner spill out from the bottle, clean with a wet cloth.
2. If your hand or your cloth is soiled with the toner, dust the toner.
If it is unable to dust it, wash the clothing with the cold water.
(Do not use the hot water because the toner will soak into fibre.)
3. Close the opening of Waste Toner Bottle with an Adhesive Tape, and put the bottle
into a vinyl bag. Keep it until the maintenance service comes.

Chapter 3

Useful Functions

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3. 1 Initial Cut

In many cases the leading edge of a new roll paper is not straight but is rough (folded or torn). The Initial Cut is a useful function to straighten it by cutting off the leading part by 280mm long.

! NOTE

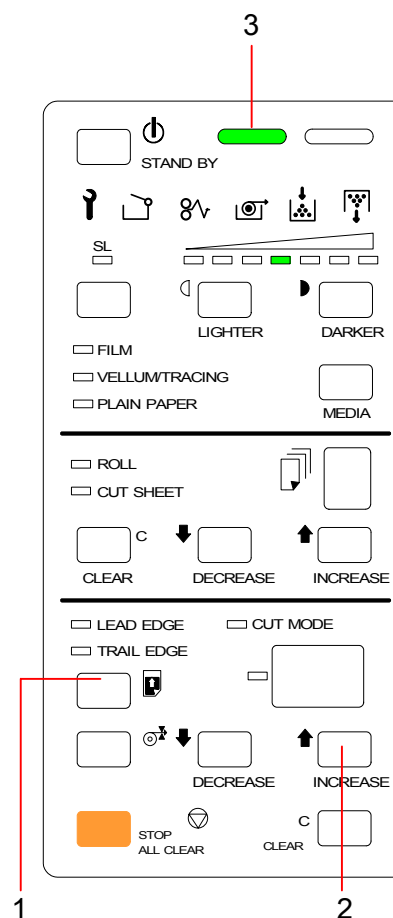
The leading part of a roll media will be humidified if it is kept in the machine for a long term without printing, which results in a defective image.
We recommend you to cut it off by the Initial Cut in this case as well.

1. Press and hold the LEAD/TRAIL Select Key (1), and then press the INCREASE Key (1) in the Leading/Trailing Margin setting area.

! NOTE

Initial Cut Mode is available only while the READY Indicator (3) is lighting.

2. The roll paper is transported, its leading edge is cut off by about 280mm long, and it is ejected from the Copy Exit.



3. 2 Adjusting the Copy Density

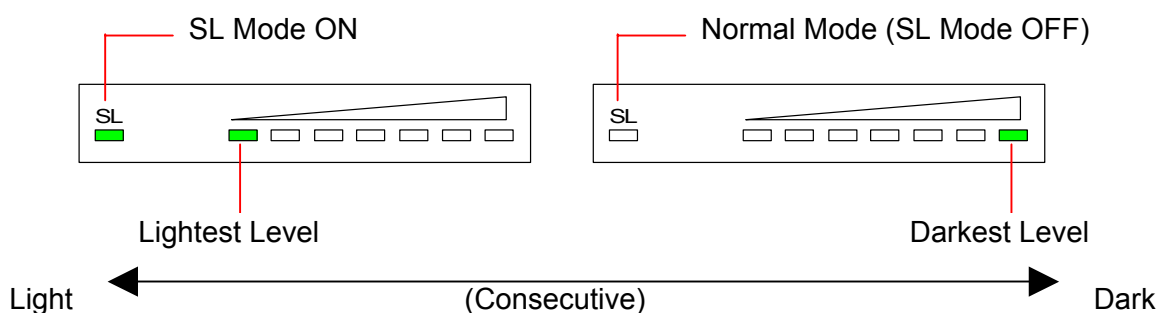
The XC 9020 has 14 levels of Copy Density.

It is possible to select your preferable one optionally from these 14 levels. (7 levels in Normal Mode and also 7 levels in SL Mode) (SL removes background)

The Copy Density is shown by both the Copy Density Indicator and SL Indicator.

The Copy Density Indicator has 7 selectable levels. The density of copy becomes darker if you select the level on “more” right side. (On the contrary it becomes lighter if you select the one on “more” left side.)

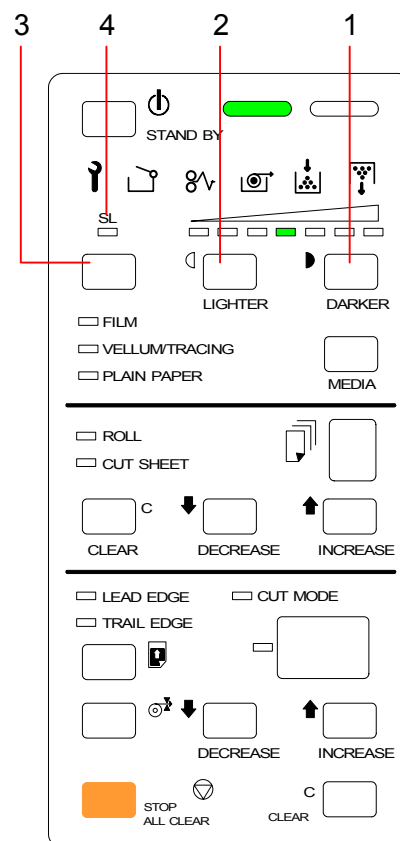
Also if you validate the SL Mode (Strong Light Mode which removes background), it becomes possible to select 7 more levels which belong to the lighter category than Normal Mode. (These 14 levels are consecutive.)



Reference

As the copy density becomes very light if you select the SL Mode, it will be beneficial if the original has a very dark background like “dark blue print”.

1. Press the DARKER KEY (1) if you will make the copy density darker.
On the contrary press the LIGHTER Key (2) if you will make it lighter.
2. Press the SL Key (3) if you will validate the SL Mode.
The SL Indicator (4) lights when validated.
You can validate and invalidate the SL Mode alternately whenever you press the SL Key.



3. 3 Selecting the Cut Mode

You can specify the Cut Mode of roll media. Synchronous Cut and Standard Cut are selectable.

Reference

The roll paper is cut as long as the copy image if you select the Synchronous Cut. Please select the Synchronous Cut when the size of copy image is not standard (as D size or E size) because of original size, magnification and so on.

The roll paper is cut by the standard size (length) as A0 or A2 if you select the Standard Cut. Selectable standard sizes (length) are A4, A3, A2, A1, A0 size and 48 inches regardless of the width of roll paper.

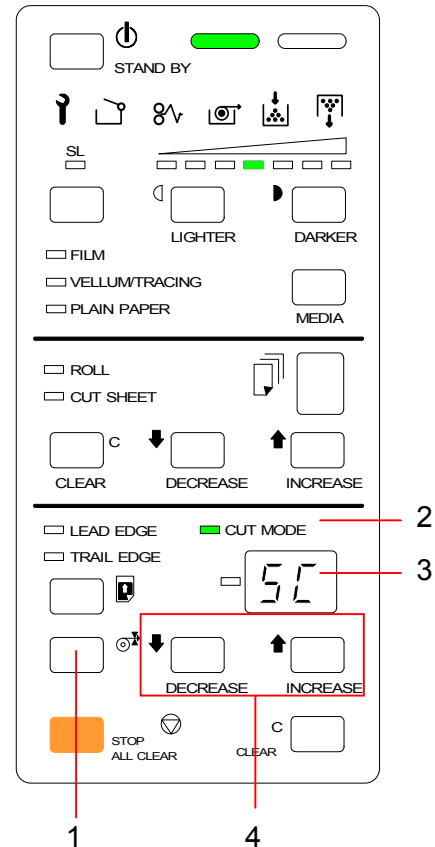
Please select the Standard Cut if the copy image is standard size.

(Or the printed copy sheet should be standard size even if the copy image is not so.)

1. Press the Cut Mode Select Key (1).
The CUT MODE Indicator (2) lights, and it becomes possible to change the setting value indicated on the Indication Part (3).
2. Change the setting value (Cut Length) pressing both the DECREASE Key and INCREASE Key (4).

Selectable setting values are A4, A3, A2, A1, A0, 48 and "SC".

"SC" means the Synchronous Cut, and others are standard sizes.



3. 4 Adjusting the Leading/Trailing Margin

You can provide the copy with a Leading/Trailing Margin.

! NOTE

It is impossible to provide a Trailing Margin when you copy with a cut sheet paper.

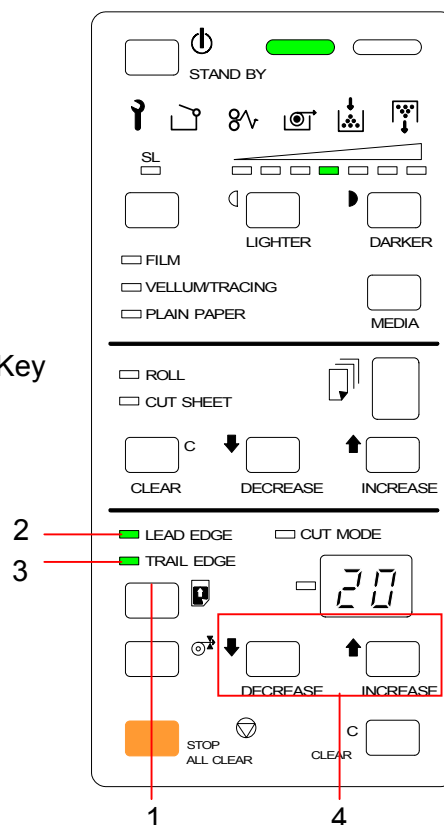
1. Whenever you press the LEAD/TRAIL Select Key (1), the LEAD EDGE Indicator (2) and the TRAIL EDGE Indicator (3) light alternately.
It is possible to change the setting value of Leading Margin indicated on the Indication Part (4) when the LEAD EDGE Indicator is lighting.
Similarly it is possible to change that of Trailing Margin when the TRAIL EDGE Indicator is lighting.

2. Change the setting value pressing both the INCREASE Key and DECREASE Key (4).
The unit of setting is millimetre.

Setting ranges are as follows.

Leading Edge : +/- 40mm in 5mm increment

Trailing Edge : 0 to +40mm in 5mm increment



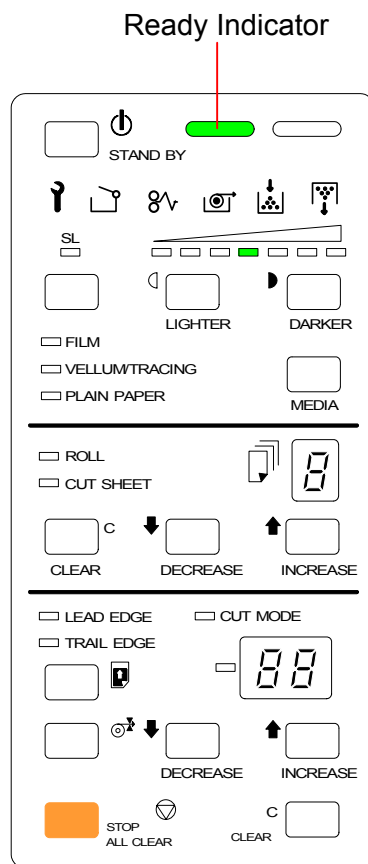
3. 5 Multiple Copy

It is possible to make a multiple copy.
The maximum Copy Number is 19.

! NOTE

1. It is impossible to make a multiple copy by the Cut Sheet Paper Feeding Mode.
2. Note that it is unable to make a multiple copy if the original is 1.25m or longer.

1. Confirm that the Ready Indicator on the Operation Panel is lighting.

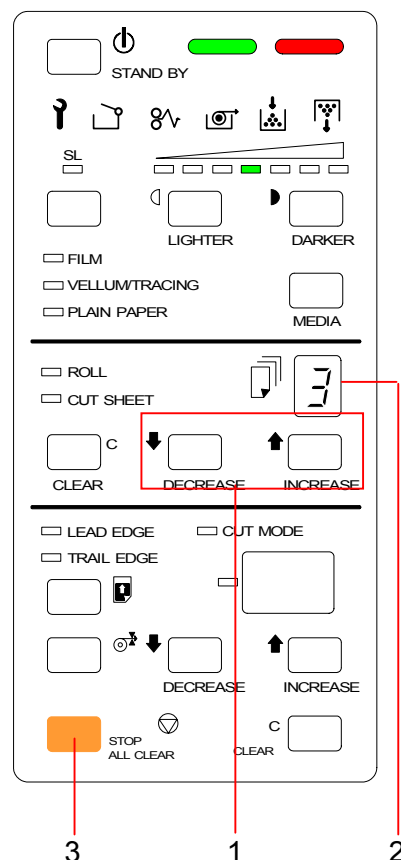


2. If necessary, change such settings as Copy Density, Leading/Trailing Margin and so on.
(Refer to Chapter 3 as for the details of each setting.)

- Specify Copy Number pressing both the INCREASE Key and the DECREASE Key (1).

The Copy Number Indicator (2) indicates the Copy Number you specified.

If you wish to cancel the multiple copy after specifying the Copy Number, press the STOP/ALL CLEAR Key (3). The multiple copy is cancelled and the Copy Number becomes 1.

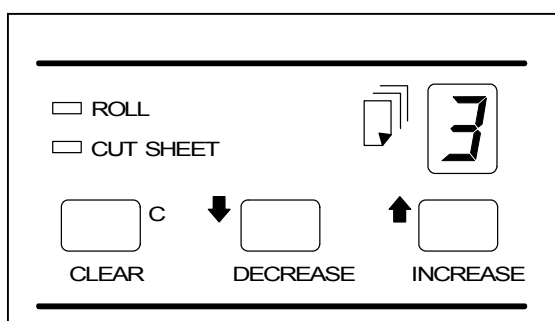


NOTE

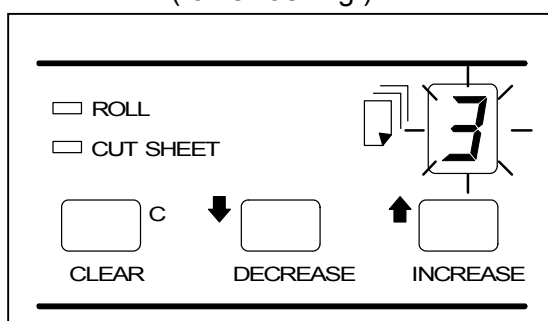
As the Copy Number Indicator has only one digit, 10 or larger number is shown by flashing the indication.

Supposing "3" is indicated on the Copy Number Indicator, the Copy Number is 3 sheets if "3" is lighting, and it is "13 sheets" if it is flashing.

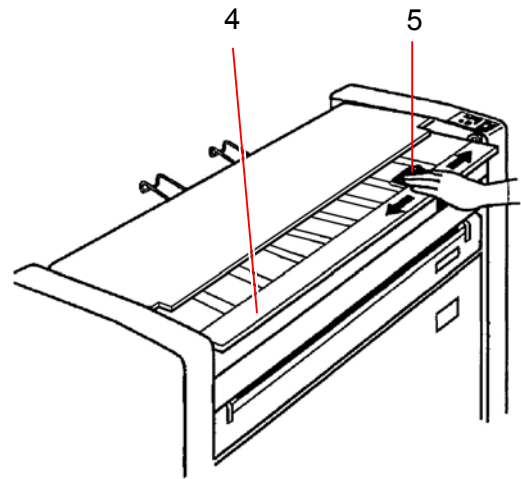
3 sheets



13 sheets
("3" is flashing.)



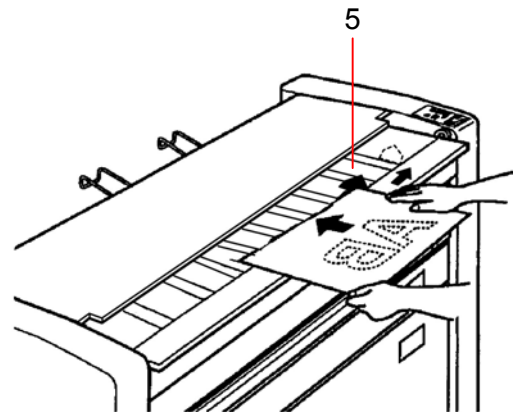
4. Open the Original Table (4).
Move the Original Guide (5) according to the width of original as needed.



5. Put the original with face down on the Original Table, and then insert it under the Original Feed Unit along the Original Guide (5) until the leading edge touches the feeding roller.

Then, slide the Original Guide (5) fully to the right.

The Original is transported a little, remains a moment, and then transported for the scan.

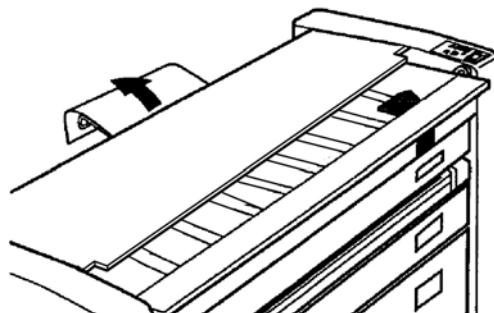


! NOTE

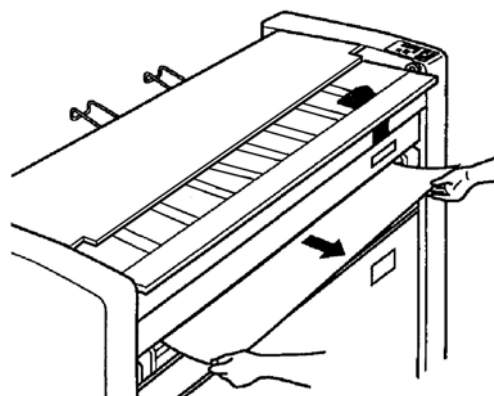
If the Original Guide (5) is not at the far right position, the WAIT Indicator lights and it is impossible to start the multiple copy.

6. The XC 9020 scans the original as many times as the Copy Number by transporting forward and backward.
(If the Copy Number is "8", for example, the original is scanned 8 times successively.)

7. The Original is ejected from the Copy Exit after scanning.



8. Copies are ejected from the Copy Exit.



3. 6 Power Saving Mode and Power OFF Mode

You can enable the Power Saving Mode or the Power OFF Mode to save the power consumption when the XC 9020 is not used for a long time.

3. 6. 1 Power Saving Mode

The Power Saving Mode is the function to reduce the power consume when you do not make any operation for some period although you leave the XC 9020 ON.
You can work the Power Saving Mode manually or automatically.

Reference

The purpose of Power Saving Mode is to reduce the power consumption by reducing the temperature of the fuser.

If you do not make any copy for the time you specified in advance, the machine automatically goes into the Power Saving Mode so not to consume the power.

Or it is possible for you to make the machine go into the Power Saving Mode manually at any time you wish.

The Power Saving Mode will be cancelled if you press either STAND BY Key or STOP / ALL CLEAR Key.

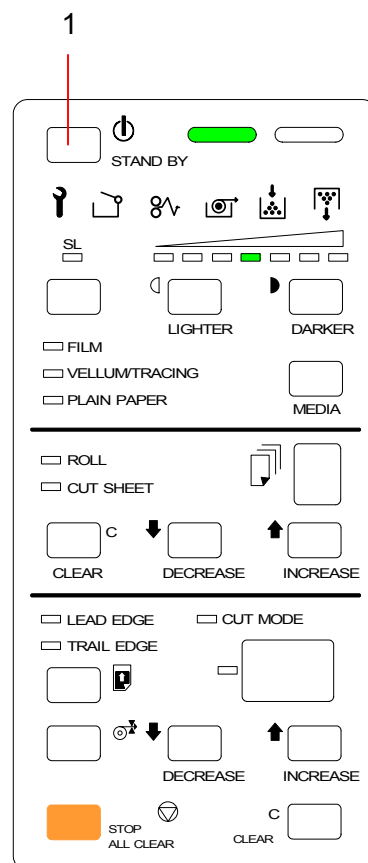
However please understand it may take time to recover from the Power Saving Mode because it is necessary to heat up the fuser again.

(Copy is not available until XC 9020 becomes ready.)

3. 6. 1. 1 Power Saving Mode (Manual)

1. Press the STAND BY Key (1).
The Power Saving Mode works, so all the indications on the Operation Panel are out.

To cancel the Power Saving Mode, press either STAND BY Key or STOP / ALL CLEAR Key.



3. 6. 1. 2 Power Saving Mode (Automatic)

The Power Saving Mode automatically works if you do not make any copy for you specified in advance.

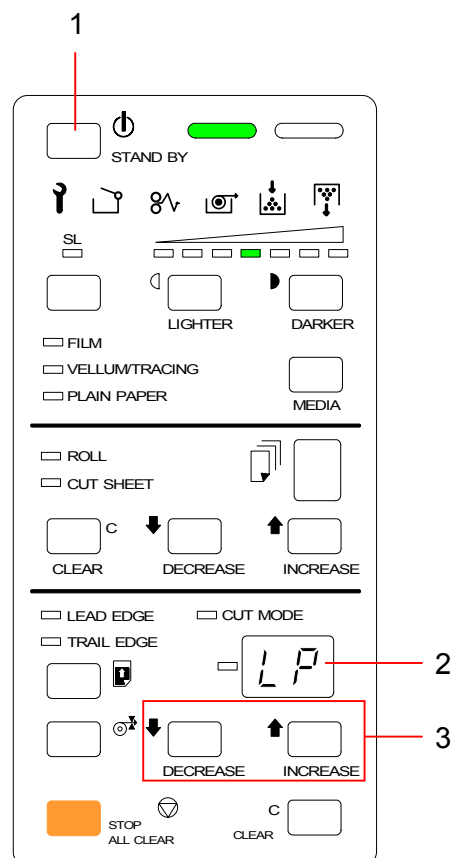
1. Press the STAND BY Key (1) for 3 seconds.
The Indication Part (2) indicates "LP" (at first).
2. If you press the DECREASE Key or the INCREASE Key (3), the Indication Part (2) indicates "LP" and "OF" alternately.

"LP" means the Power Saving Mode

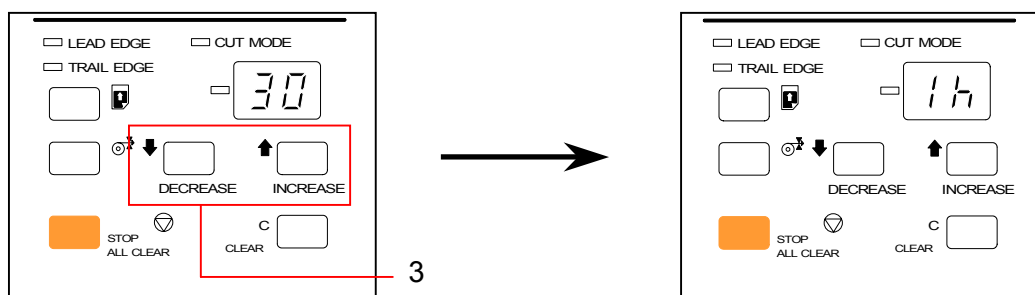
"OF" means the Power OFF Mode

As you will specify the timer for the Power Saving Mode from now, indicate "LP".

3. Press the STAND BY Key (1).
The Indication Part (2) indicates the present setting of the timer of the Power Saving Mode.



4. Change the setting of timer pressing DECREASE Key and INCREASE Key (3).
The selectable values are 10, 30, 1h (1 hour), 2h and 4h.



! NOTE

It is possible to cancel the setting if you press the STOP/ALL CLEAR Key (4) in the middle of setting.

5. When you have finished all the settings, press the STAND BY Key (1).
If you leave the machine without any operation for the time you specified, the Power Saving Mode works automatically.
To cancel the Power Saving Mode, press either STAND BY Key or STOP / ALL CLEAR Key.

3. 6. 2 Power OFF Mode

The Power OFF Mode is the function to turn off the XC 9020 automatically if you do not make any copies in the time you specified in advance.

Reference

The purpose of Power OFF Mode is not to consume **any** power by turning off the machine automatically. It can save more power than the Power Saving Mode.

If you will make copies after the machine has been turned off by the Power OFF Mode, it is necessary to turn on the machine again.

1. Press the STAND BY Key (1) for 3 seconds.
The Indication Part (2) indicates "LP" at first.
2. If you press the DECREASE Key or the INCREASE Key (3), the Indication Part (2) indicates "LP" and "OF" alternately.

"LP" means the Power Saving Mode

"OF" means the Power OFF Mode

As you will specify the timer for the Power OFF Mode, indicate "OF".

3. Press the STAND BY Key (1).
The Indication Part (2) indicates either "on" or "off", which is the present setting of the Power OFF Mode.

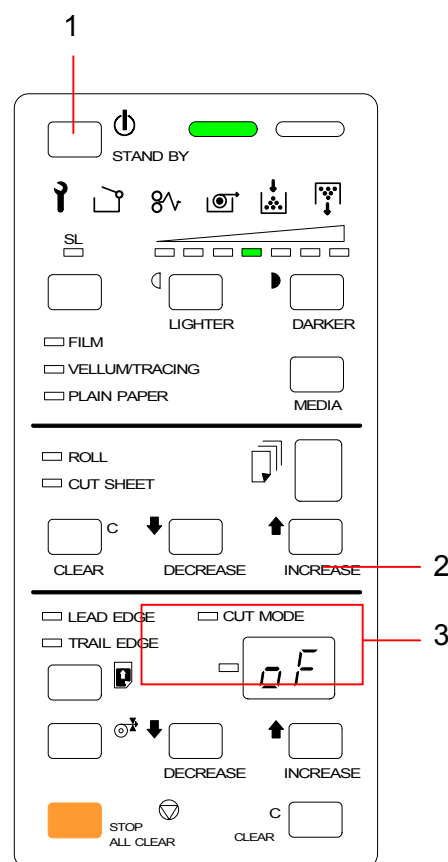
on Power OFF Mode works.

off Power OFF Mode does not work.

Select "on" pressing the DECREASE Key or the INCREASE if you will make the Power OFF Mode work.

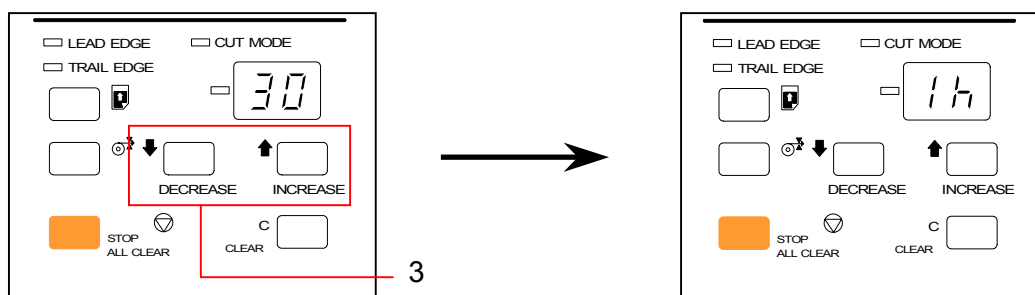
NOTE

If you select "off", the setting is completed.



4. Press the STAND BY Key (1).
The Indication Part (2) indicates the present setting value of the timer specified to the Power Saving Mode.

5. Change the setting value of timer by pressing DECREASE Key and INCREASE Key (3).
The selectable values are 10, 30, 1h (1 hour), 2h and 4h.



NOTE

It is possible to cancel the setting if you press the STOP/ALL CLEAR Key (4) in the middle of setting.

6. When you have finished all the settings, press the STAND BY Key (1).
If you leave the machine without any operation for the time you specified, the XC 9020 is turned off automatically by the Power OFF Mode.

NOTE

If both the Power Saving Mode (Automatic) and the Power OFF Mode are ON, the Power OFF Mode has the priority.

<Example 1>

	Power Saving Mode	Power OFF Mode
Timer	30 minutes	120 minutes

The Power Saving Mode works 30minutes later if you make no operation.
Then the Power OFF Mode works 90 minutes later since the Power Saving Mode has worked.

<Example 2>

	Power Saving Mode	Power OFF Mode
Timer	60 minutes	60 minutes

The Power OFF Mode works 60minutes later if you make no operation, but the Power Saving Mode does not work.

<Example 3>

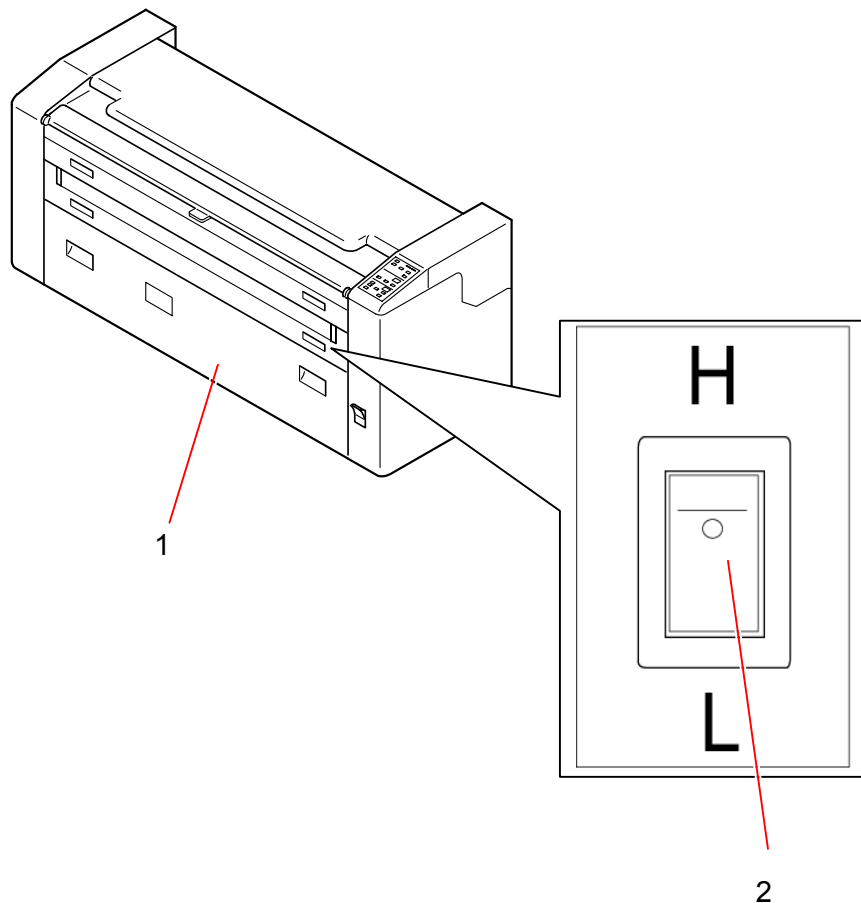
	Power Saving Mode	Power OFF Mode
Timer	60 minutes	30 minutes

The Power OFF Mode works 30minutes later if you make no operation, but the Power Saving Mode does not work.

3. 7 Dehumidifying the Roll Media

If the roll media has too much moisture, the toner may not be fixed correctly to the media. And also, void of image, double feeding, creasing might occur. If the room has humidity, turn on the Dehumidify Heater to dehumidify the interior of the machine.

Open the Front Door (1), and the Dehumidify Heater Switch (2) appears. Press "H" side of the switch to turn on the Dehumidify Heater.

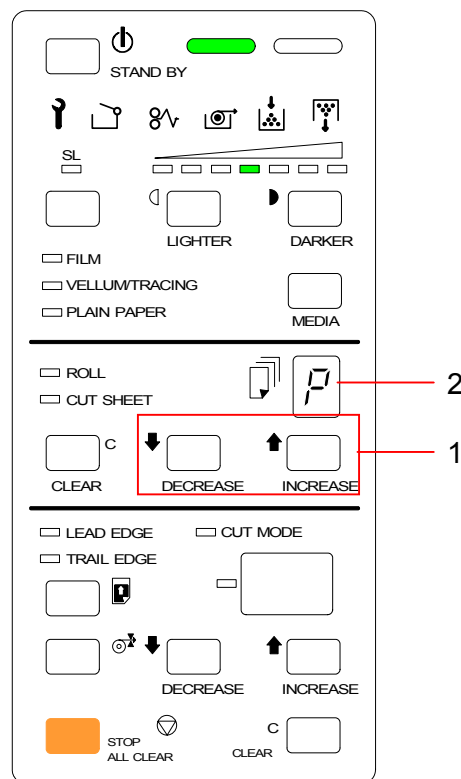


3. 8 Sample Copy

Sample Copy is a function to copy only the leading part (about 280mm) of original for the purpose to check the copy image in advance.

You can check the result of copy without consuming a great deal of toner or media if needed.

1. Press the DECREASE Key (1) when the Copy Number Indicator (2) is indicating "1".
The Copy Number Indicator (2) indicates "P".



2. Set the Original to the XC 9020.
The original is transported about 280mm long for the Sample Copy, and then it is returned to the front.
The Sample Copy about 280mm long is ejected from the Copy Exit.

Chapter 4

Error Treatment

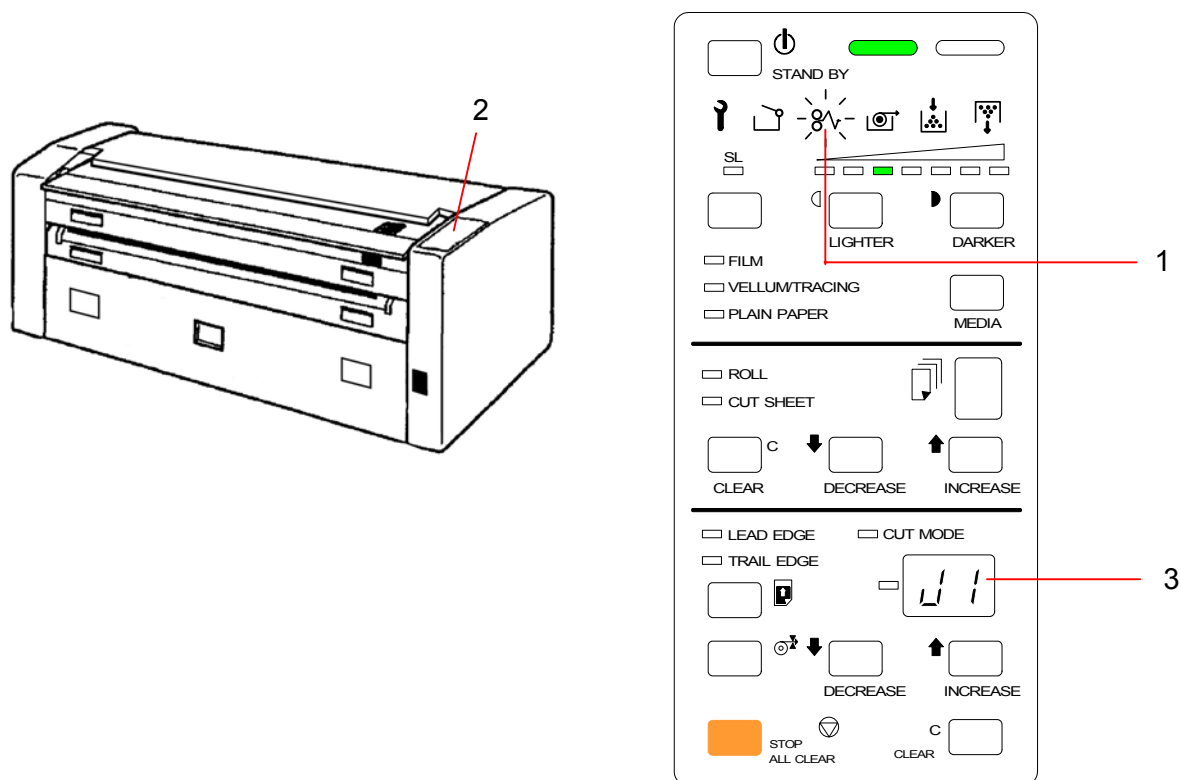
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4. 1 Call Operator Errors

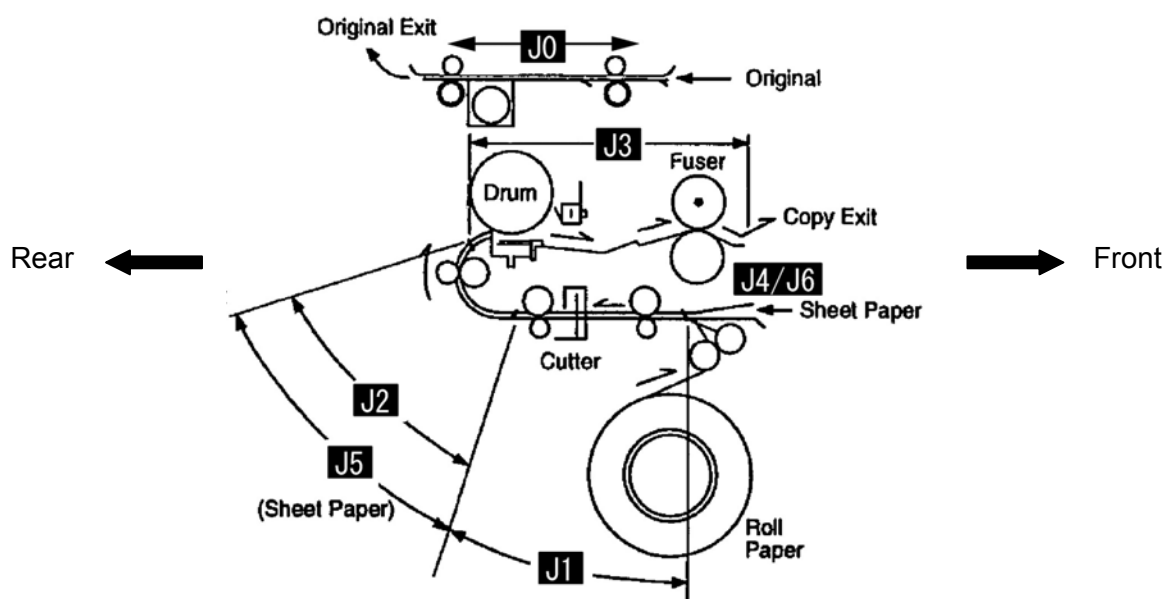
4. 1. 1 Mis-feed Errors

If the copying paper or the original is mis-fed anywhere in the machine, the Mis-feed Indicator (1) on the Operation Panel (2) lights to inform you of the error.

At the same time any Mis-feed Code (J0, J1, J2, J3, J4, J5 or J6) is indicated on the Indication Part (3) to let you know where the mis-feed has occurred.



The following figure is the section of the XC 9020 which shows the location of each mis-feed. (More detailed explanation for each code is described on the later pages.)

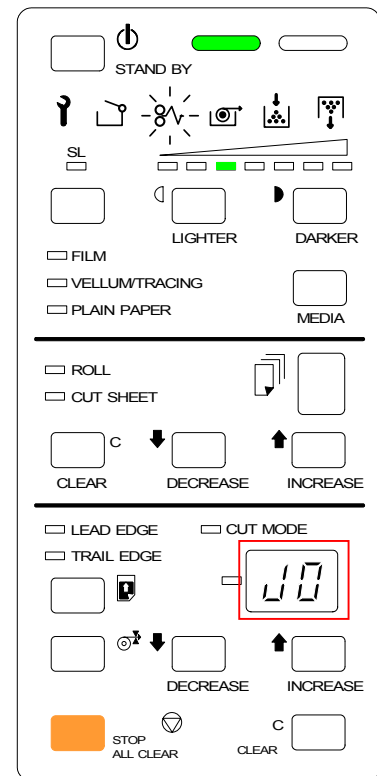
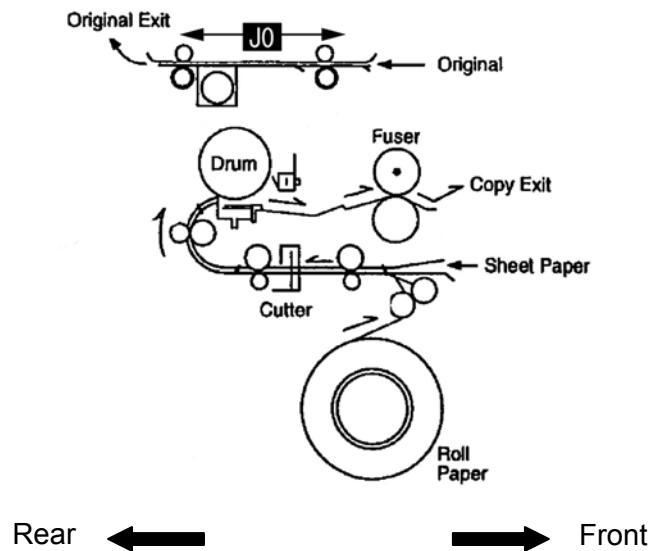


NOTE

- (1) Carefully remove the mis-fed paper as its edge may be very sharp, or you may harm your hand.
- (2) Remove a necklace, a bracelet and a wristwatch from yourself before removing the mis-fed paper.
Otherwise you may be burnt or get an electric shock when such metal accessory touches the inside of the printer.
- (3) The toner image is not fixed firmly if the paper did not reach the heater section.
Therefore be careful not to soil your cloth with the toner when you remove the mis-fed paper.
Please dust the toner if your cloth is soiled.
If it is unable to dust it, wash the cloth with the cold water.
(Do not use the hot water at this time because the toner will soak into fibre.)
- (4) The toner image is not fixed firmly if the paper did not reach the heater section.
Therefore be careful that the toner should not get into your eye, or be careful not to inhale the toner.
(Please wash out with water if it gets into your eye or mouth.)

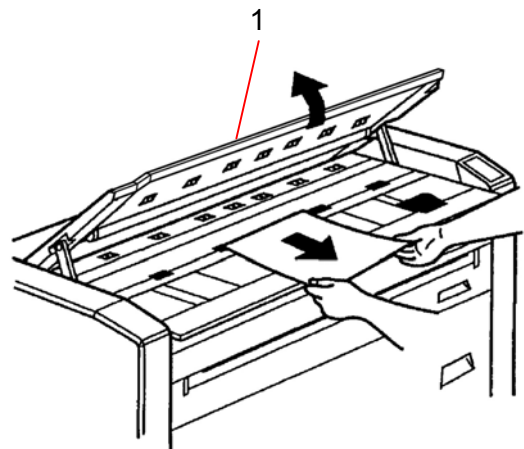
4. 1. 1. 1 Code “J0” : Original Mis-feed

Mis-feed Code “J0” is indicated when the original is mis-fed under the Original Feed Unit.



Remove the mis-fed original in the following direction.

1. Open the Original Feed Unit (1), and remove the original.



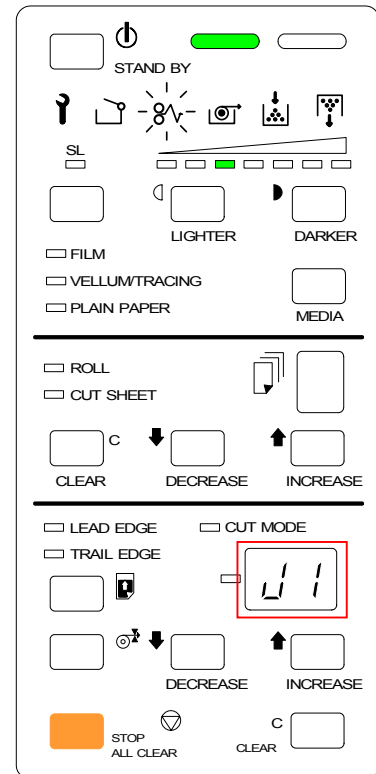
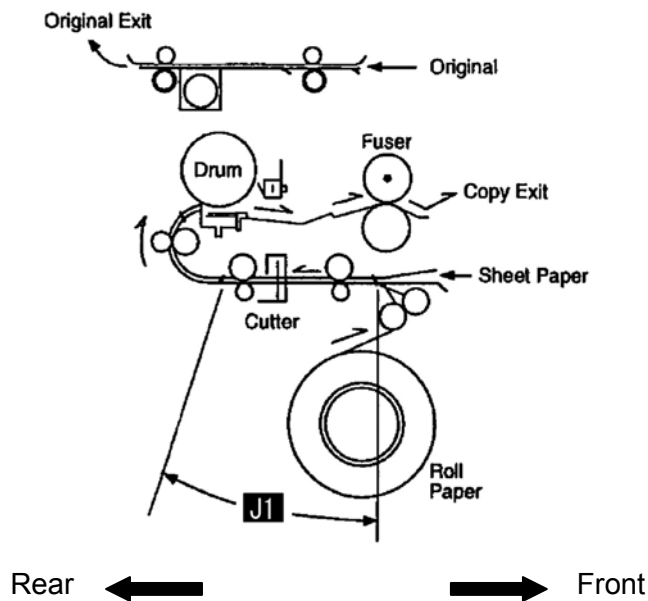
2. Close the Original Feed Unit (1).

! NOTE

“J0” is also indicated if you cancel copying in the middle pressing the STOP/ALL CLEAR Key.
Please remove the original in the above shown direction in this case.

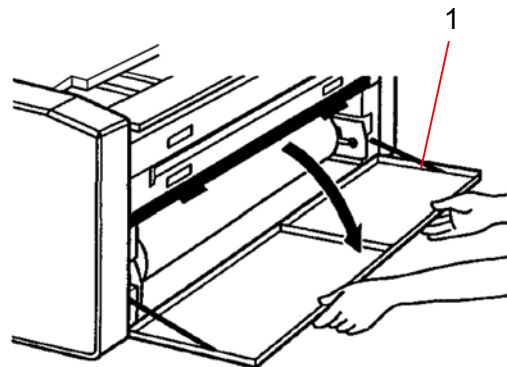
4. 1. 1. 2 Code “J1” : Paper Mis-feed at Paper Entrance Area

Mis-feed Code “J1” is indicated when the paper is mis-fed at the Paper Entrance Area.

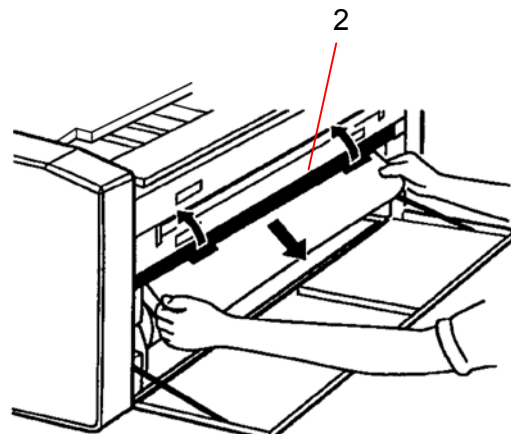


Remove the mis-fed original in the following direction.

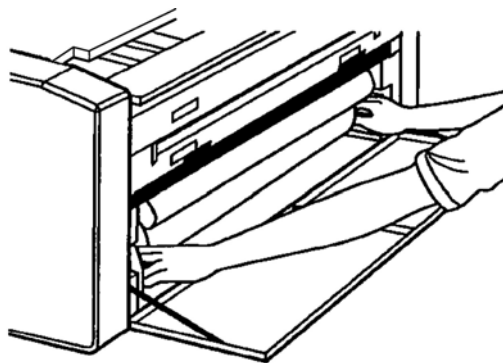
1. Open the Front Door (1).



2. Bring up the Feeding Roller Cover (2).



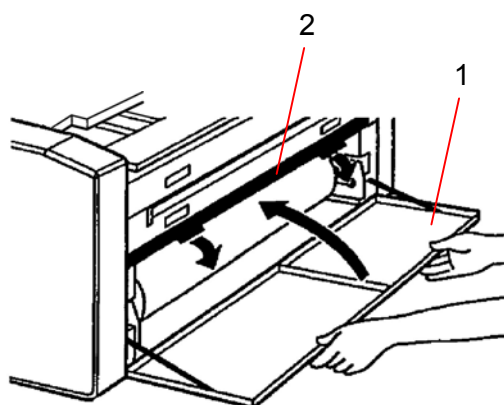
3. Rewind the roll paper completely.
Then, set the roll paper again.



! NOTE

If it is difficult to set the paper again as its leading edge is folded or torn, cut it off by the cutter or scissors.

4. Bring down the Feeding Roller Cover (2), and close the Front Door (1).

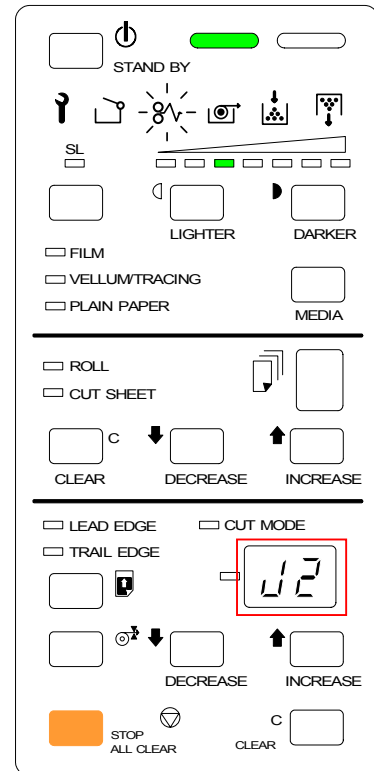
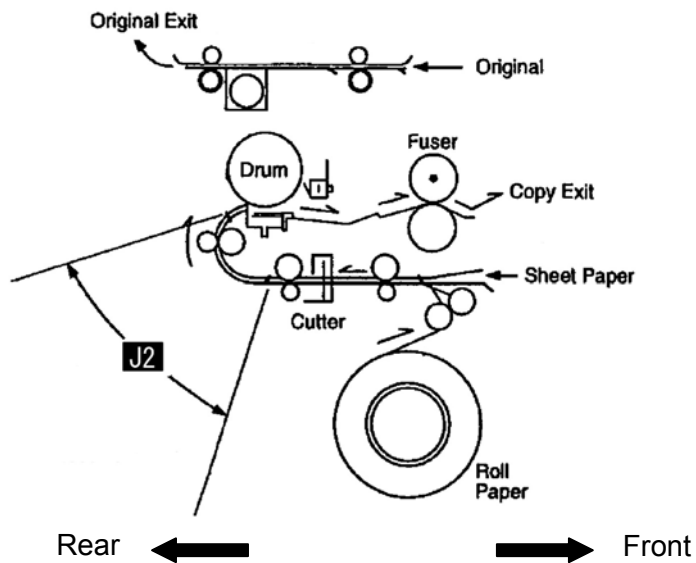


! NOTE

Confirm that the Mis-feed Indicator is put out and the Paper Mis-feed Code disappears after removing the mis-fed paper.
If the Mis-feed Indicator lights again, some more paper may be mis-fed anywhere in the machine, so please check other areas as well.

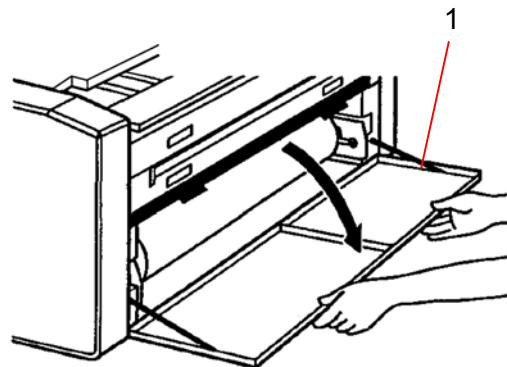
4. 1. 1. 3 Code “J2” : Paper Mis-feed at Paper Turning Area

Mis-feed Code “J2” is indicated when the paper is mis-fed at the Paper Turning Area.

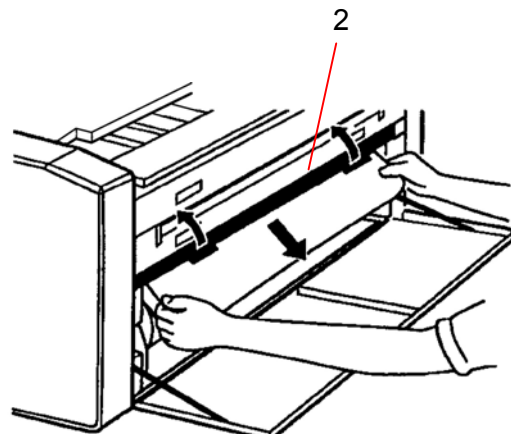


Remove the mis-fed original in the following direction.

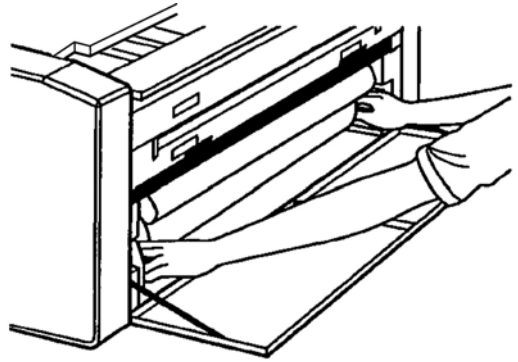
1. Open the Front Door (1).



2. Bring up the Feeding Roller Cover (2).



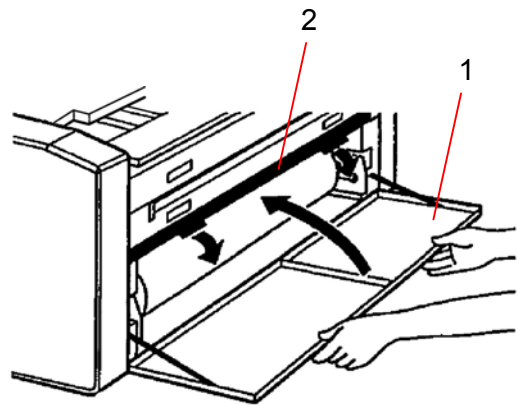
3. Rewind the roll paper completely.
Then, set the roll paper again.



! NOTE

If it is difficult to set the paper again as its leading edge is folded or torn, cut it off by the cutter or scissors.

4. Bring down the Feeding Roller Cover (2), and close the Front Door (1).



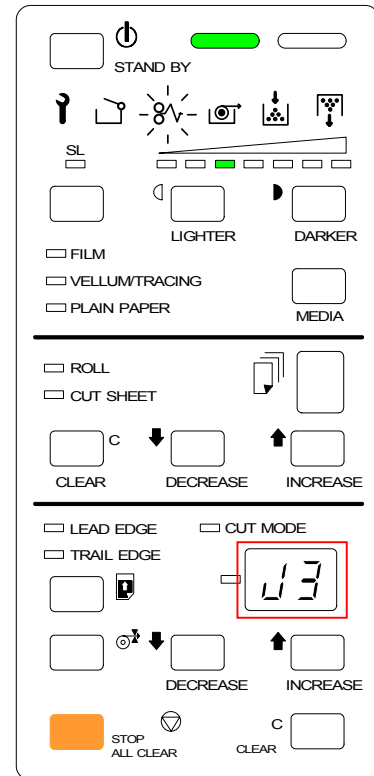
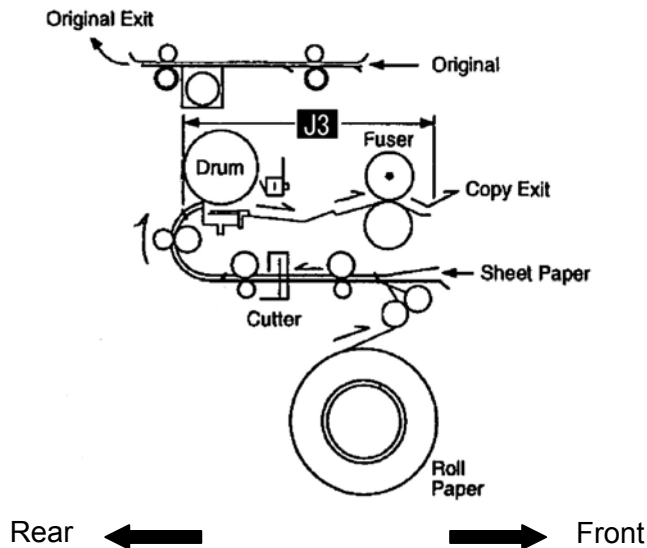
! NOTE

Confirm that the Mis-feed Indicator is put out and the Paper Mis-feed Code disappears after removing the mis-fed paper.
If the Mis-feed Indicator lights again, some more paper may be mis-fed anywhere in the machine, so please check other areas as well.

4. 1. 1. 4 Code “J3” : Paper Mis-feed at Print Area or Copy Exit Area

Mis-feed Code “J3” is indicated in either of the following cases.

- (1) The paper is mis-fed at the Print Area.
(Print Area is between Drum and Fuser in the following drawing.)
- (2) The paper is mis-fed around the Copy Exit.

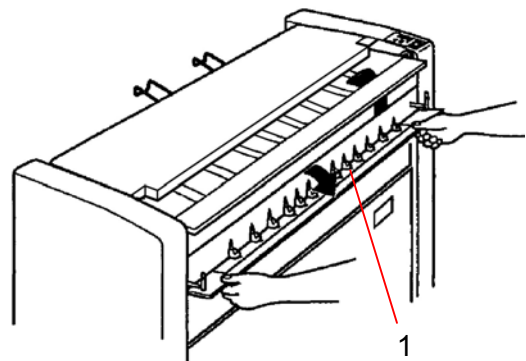


Remove the mis-fed original in the following direction.

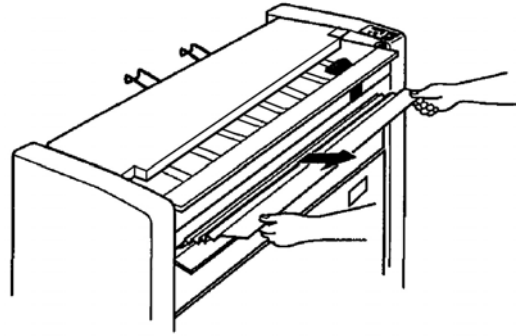
1. Open the Exit Cover (1), and check if you can find the mis-fed paper.

Go to the following step “2” if you can find it.

Jump to the step “4” on the next page if you can not find it.



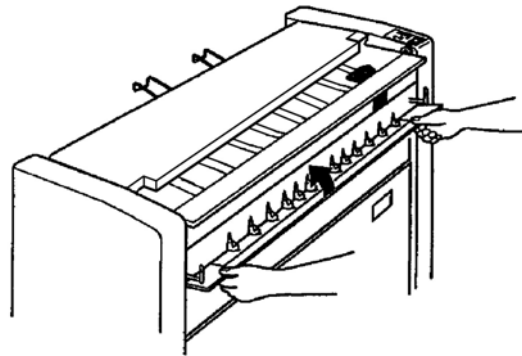
2. Hold the mis-fed paper by both hands and pull it out carefully without breaking.



! NOTE

- (1) Be careful not to touch on the Fuser Roller and the surrounding parts as they are very hot. You will be burnt if you touch such parts.
- (2) Be careful not to touch the Stripper Fingers as they are very sharp. Otherwise you may be hurt.

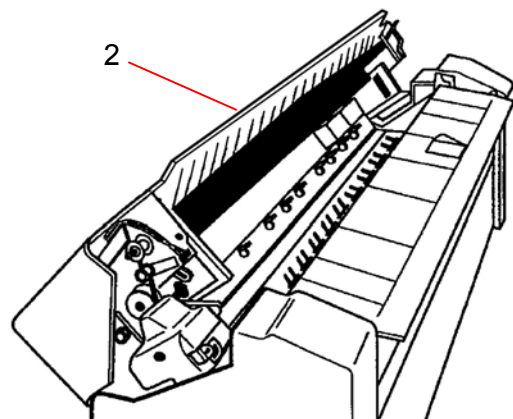
3. Close the Exit Cover.



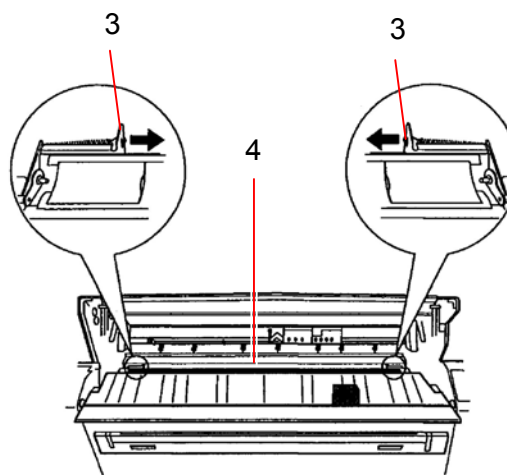
! NOTE

It is recommended to make Initial Cut after removing the mis-fed paper, as the cut paper will remove the toner dirt on the Heat Roller or some other parts.
(The copy may have some dirty image if you do not make it.)
Refer to [3. 1 Initial Cut] on the page 3-2 for the way of Initial Cut.

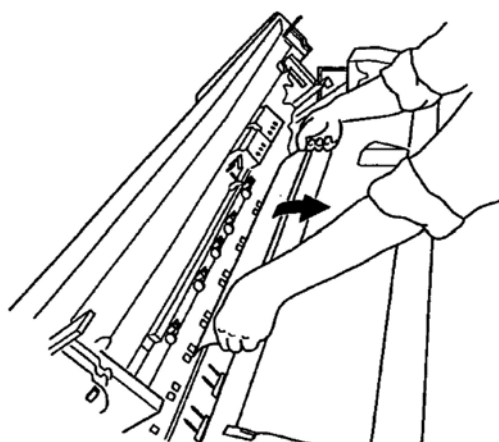
4. Open the Upper Unit (2).



5. There are Levers (3) at both sides of the Corner Transport Unit (4). Pull both Levers (3) inward to open the Corner Transport Unit (4) backward.



6. Remove the mis-fed paper gently.



! NOTE

There is a Photoconductive Drum (large cylinder) on the bottom of the Upper Unit.

Do not touch the drum when you remove the mis-fed paper or when you open/close the Corner Transport Unit!

Do not leave the Upper Unit open for a long period as the Photoconductive Drum is very sensitive to light. (Direct sunlight is very harmful.)

That stated, remove the mis-feed media and then close the Upper Unit immediately after the media is removed. **Do not leave upper unit open!**

If the Drum is damaged, you will have to replace it, as it is a very important part in creating the print image.

7. Close the Corner Transport Unit (4) and lock it moving the Levers (3) outward.

8. Close the Upper Unit finally.



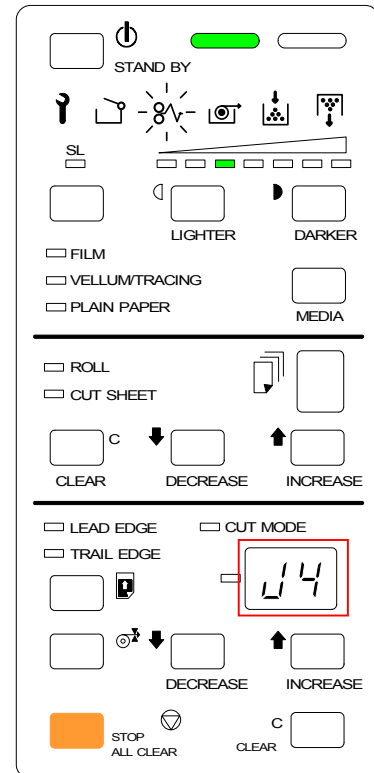
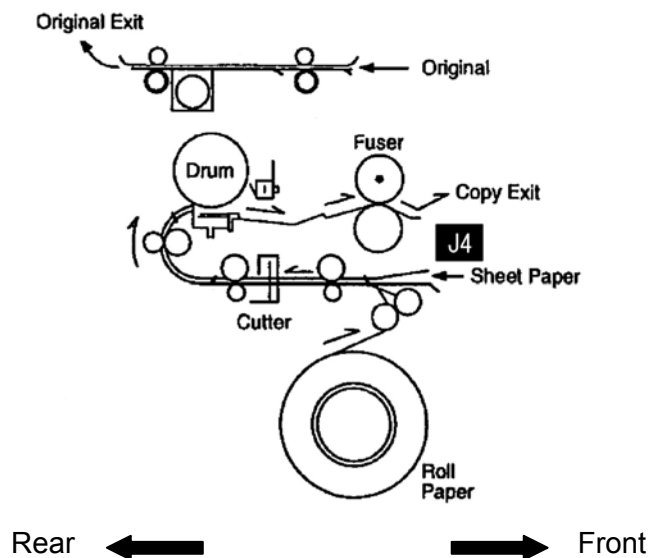
NOTE

Confirm that the Mis-feed Indicator is put out and the Paper Mis-feed Code disappears after removing the mis-fed paper.

If the Mis-feed Indicator lights again, some more paper may be mis-fed anywhere in the machine, so please check other areas as well.

4. 1. 1. 5 Code “J4” : Incorrect insertion of Cut Sheet Paper

Mis-feed Code “J4” is indicated when you insert the cut sheet paper to the Bypass Feeder mistakenly when the XC 9020 is copying with the roll paper.



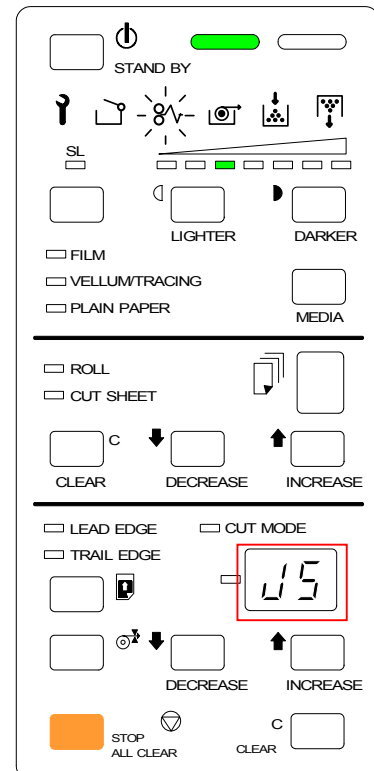
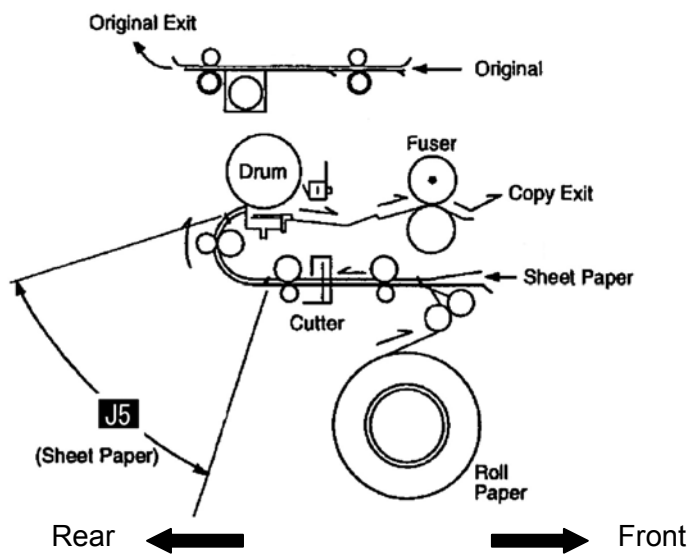
Pull out the cut sheet paper from the Bypass Feeder.

! NOTE

Confirm that the Mis-feed Indicator is put out and the Paper Mis-feed Code disappears after removing the mis-fed paper.
If the Mis-feed Indicator lights again, some more paper may be mis-fed anywhere in the machine, so please check other areas as well.

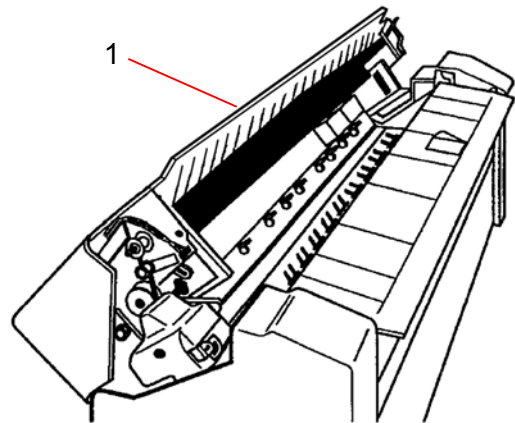
4. 1. 1. 6 Code “J5” : Mis-feed of cut sheet paper at Paper Turning Area

Mis-feed Code “J5” is indicated when the cut sheet paper is mis-fed at the Paper Turning Area.

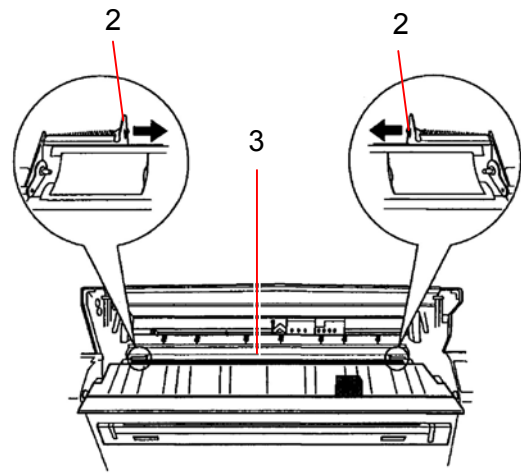


Remove the mis-fed original in the following direction.

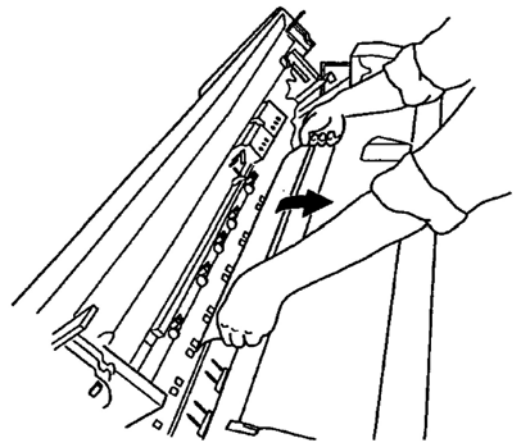
1. Open the Upper Unit (1).



2. There are Levers (2) at both sides of the Corner Transport Unit (3). Pull both Levers (2) inward to open the Corner Transport Unit (3) backward.



3. Remove the mis-fed paper gently.



NOTE

There is a Photoconductive Drum (large cylinder) on the bottom of the Upper Unit.

Do not touch the drum when you remove the mis-fed paper or when you open/close the Corner Transport Unit!

Do not leave the Upper Unit open for a long period as the Photoconductive Drum is very sensitive to light. (Direct sunlight is very harmful.)

That stated, remove the mis-feed media and then close the Upper Unit immediately after the media is removed. **Do not leave upper unit open!**

If the Drum is damaged, you will have to replace it, as it is a very important part in creating the print image.

4. Close the Corner Transport Unit (3) and lock it moving the Levers (2) outward.
5. Close the Upper Unit finally.

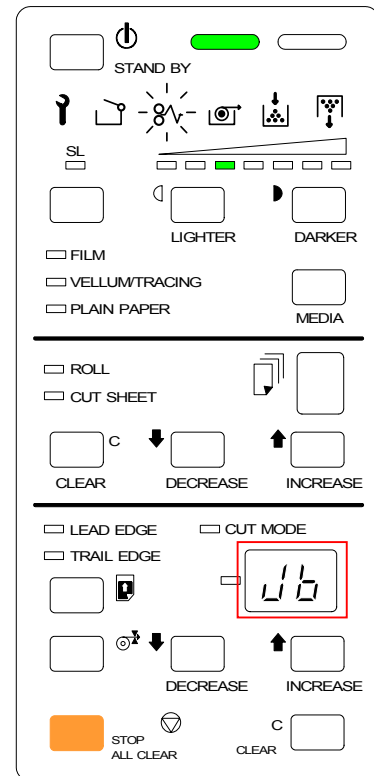
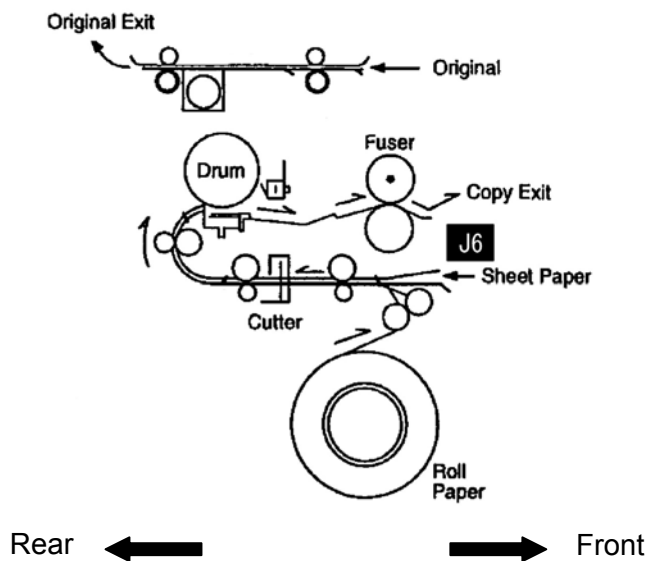


NOTE

Confirm that the Mis-feed Indicator is put out and the Paper Mis-feed Code disappears after removing the mis-fed paper.
If the Mis-feed Indicator lights again, some more paper may be mis-fed anywhere in the machine, so please check other areas as well.

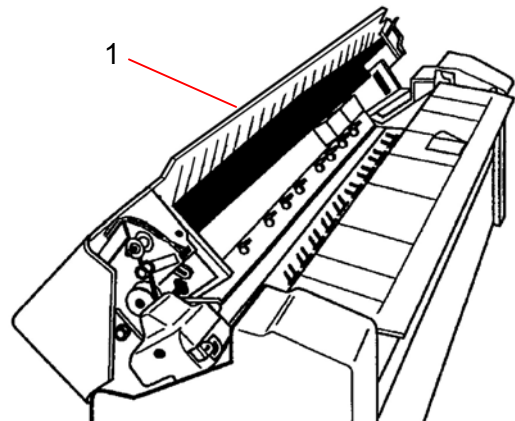
4. 1. 1. 7 Code “J6” : Mis-feed of cut sheet paper (Incorrect size)

Mis-feed Code “J6” is indicated when you set a cut sheet paper of incorrect size.
(Incorrect size means shorter than 279mm or longer than 3 meters.)

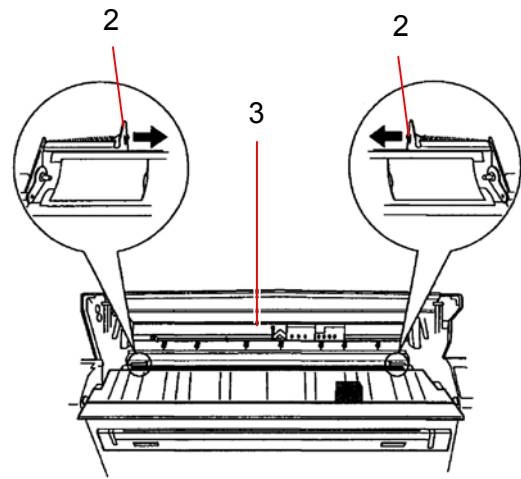


Remove the mis-fed original in the following direction.

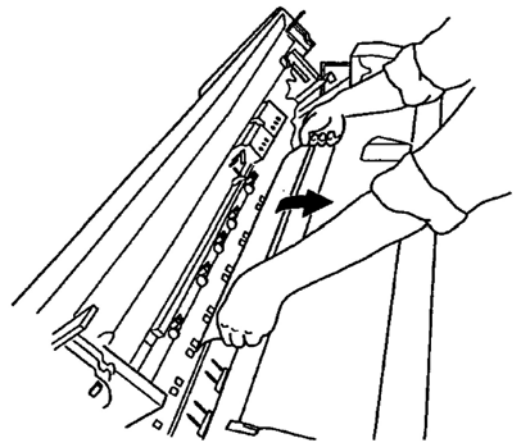
1. Open the Upper Unit (1).



2. There are Levers (2) at both sides of the Corner Transport Unit (3). Pull both Levers (2) inward to open the Corner Transport Unit (3) backward.



3. Remove the mis-fed paper gently.



NOTE

There is a Photoconductive Drum (large cylinder) on the bottom of the Upper Unit.

Do not touch the drum when you remove the mis-fed paper or when you open/close the Corner Transport Unit!

Do not leave the Upper Unit open for a long period as the Photoconductive Drum is very sensitive to light. (Direct sunlight is very harmful.)

That stated, remove the mis-feed media and then close the Upper Unit immediately after the media is removed. **Do not leave upper unit open!**

If the Drum is damaged, you will have to replace it, as it is a very important part in creating the print image.

4. Close the Corner Transport Unit (3) and lock it moving the Levers (2) outward.
5. Close the Upper Unit finally.



NOTE

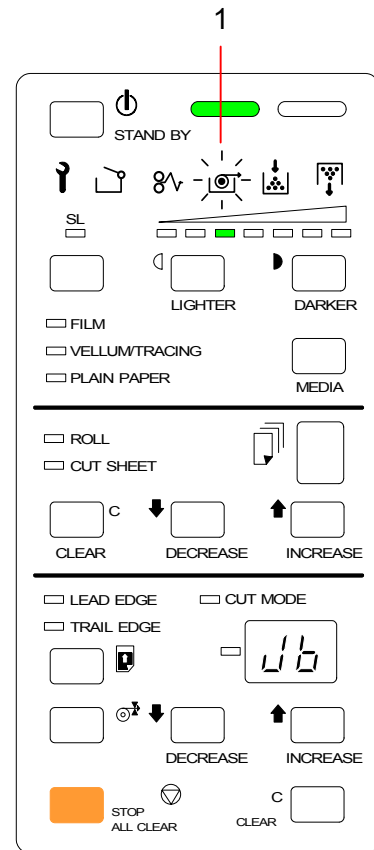
Confirm that the Mis-feed Indicator is put out and the Paper Mis-feed Code disappears after removing the mis-fed paper.
If the Mis-feed Indicator lights again, some more paper may be mis-fed anywhere in the machine, so please check other areas as well.

4. 1. 2 Other Errors

4. 1. 2. 1 Roll Empty

The Roll Empty Indicator (1) lights if the roll paper is emptied in the middle of copying.

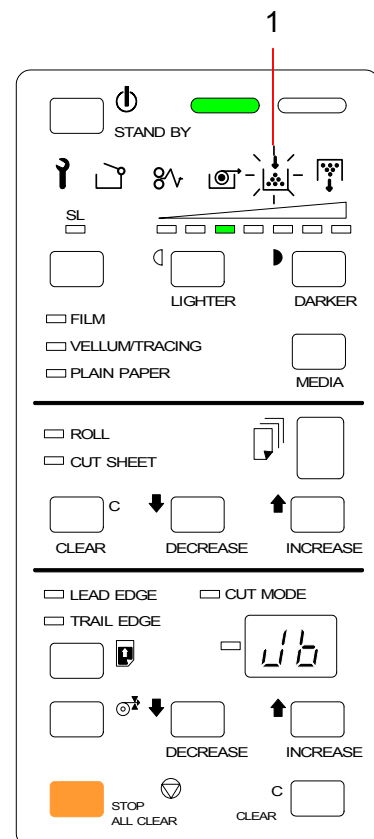
Please replace the roll paper making reference to [2.3 Replacing the Roll Paper] on the page 2-5.



4. 1. 2. 2 Toner Empty

The Toner Empty Indicator (1) lights if the toner is emptied in the middle of copying.

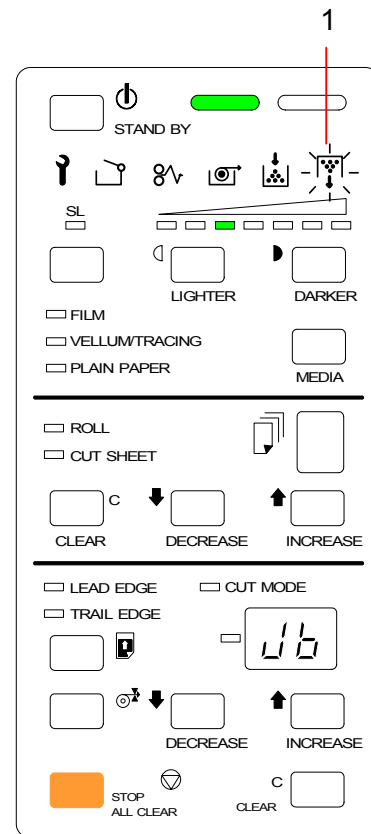
Please add the toner to the machine making reference to [2.4 Add the Toner] on the page 2-9.



4. 1. 2. 3 Waste Toner Full

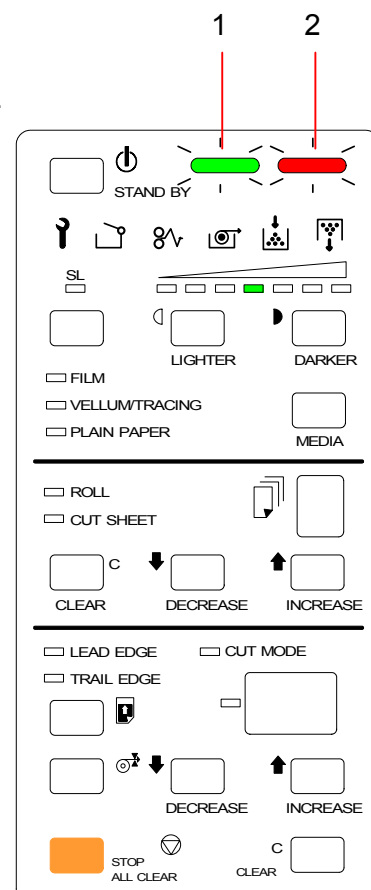


The Waste Toner Full Indicator (1) lights when the Waste Toner Bottle is filled with the toner.
Replace the Waste Toner Bottle with the new one making reference to [2.7 Replacing the Waste Toner Bottle] on the page 2-20.



4. 1. 2. 4 Incorrect set of original or cut sheet paper (READY & WAIT Indicators flash simultaneously)

Both the READY Indicator (1) and the WAIT Indicator (2) flash simultaneously if either original or cut sheet paper is incorrectly set to the machine.
Remove the original/cut sheet paper and set it again correctly.

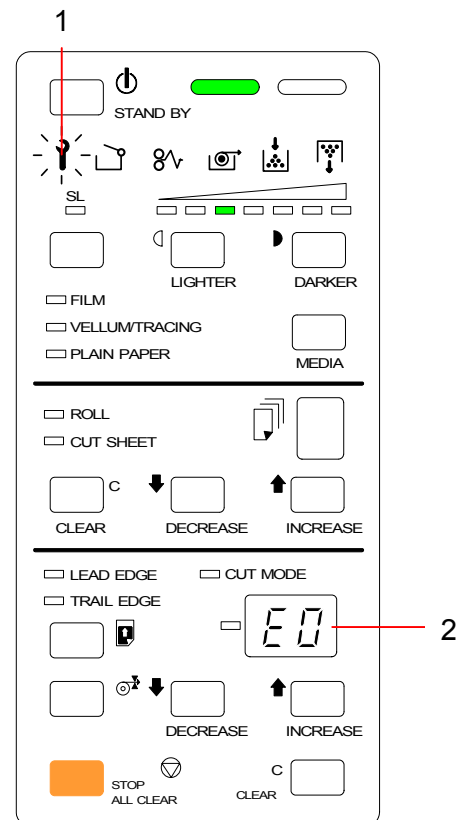


4. 2 Call Service Errors

If the machine has a fatal error, the Service Call Indicator (1) lights to inform you of the error.

Also the Indication Part (2) indicates any of the following Error Code.

Error Code	Name of the error
E0	Fuser Error (High Temperature)
E1	Fuser Error (Low Temperature)
E2	EEPROM Error
E3	Cutter Error (Time Over)
E4	Cutter Error (Switch Abnormal)
E6	Pocket Door Error (Time Over)
E7	Pocket Door Error (Switch Abnormal)
E9	Exposure Lamp Error (Dark)
EA	Exposure Lamp Error (Bright)
EC	Counter Error
ED	Developer Motor Error
EE	Main Motor Error
EF	Fuser Motor Error



It is impossible for the user to cure these errors to resolve these issues.

PLEASE CALL YOUR TRAINED SERVICE PERSONNEL TO RESOLVE THESE ERRORS.

If any of the above errors is displayed:

- 1) Turn off the machine, wait approximately 30 seconds, and then turn on the machine again.
- 2) If the same error code is displayed, turn off the machine, and then unplug the machine from the wall outlet.
Call your service personnel.

Chapter 5

Cleaning and Checking

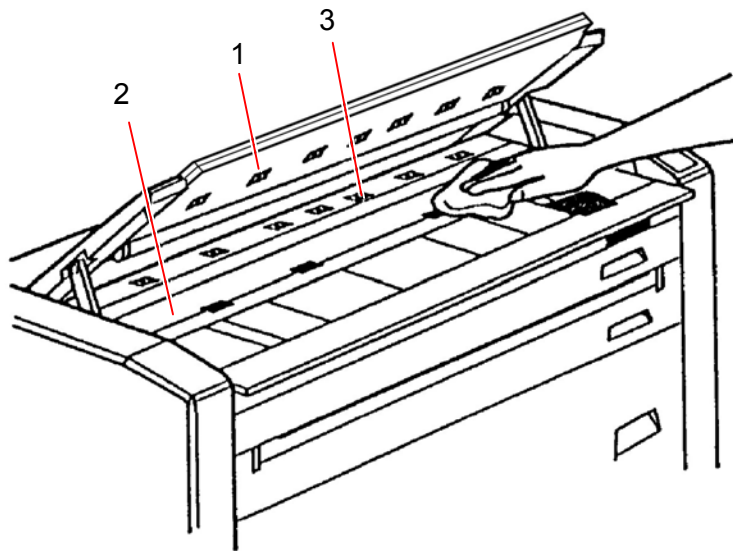
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5. 1. 1 Original Feeding Part	5- 2
5. 1. 2 Original Guide	5- 2

5. 1 Cleaning of Each Part

The following parts tend to get dirt, so clean them once in a week.
(If they are dirty the copy quality will not be good.)

5. 1. 1 Original Feeding Part

1. Open the Original Feed Unit (1).
2. Clean the Glass (2) and the Roller (3) with a soft cloth (like gauze) impregnated with a little water or glass cleaner.



5. 1. 2 Original Guide

Clean the Original Table (1) with a wet cloth then with a dry one.

