

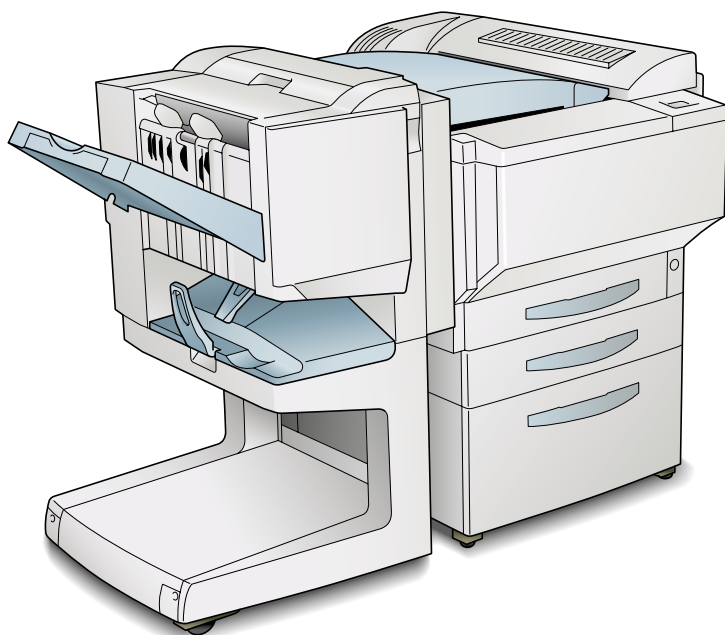


User Manual

The essentials of Imaging

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CF2002/CF3102 Printer



DiALTA Color

Welcome

Thank you very much for your purchasing of the CF2002/CF3102 Printer.

This user manual explains how to operate the printer and replenish its supplies. It also gives some troubleshooting tips as well as general precautions to be observed when operating the printer.

To ensure the best performance and effective use of your printer, read this manual carefully until you familiarize yourself thoroughly with the printer's operation and features. After you have read through the manual, keep it ready for reference.

Please use this manual as a quick and handy reference tool for immediately clarifying any questions which may arise.

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1 Introduction

1.1 Safety Information

This section contains detailed instructions on the operation and maintenance of this machine. To achieve optimum utility of this device, all operators should carefully read and follow the instructions in this manual. Please keep this manual in a handy place near the machine.

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Please read the next section before using this device. It contains important information related to user safety and preventing equipment problems.

Make sure you observe all of the precautions listed in this manual.

* Please note that some parts of the contents of this section may not correspond with the purchased product.

Warning and Precaution Symbols

 WARNING:	Ignoring this warning could cause serious injury or even death.
 CAUTION:	Ignoring this caution could cause injury or damage to property.

Meaning of Symbols



A triangle indicates a danger against which you should take precaution.



This symbol warns against cause burns.



A diagonal line indicates a prohibited course of action.



This symbol warns against dismantling the device.



A black circle indicates an imperative course of action.



This symbol indicates you must unplug the device.

WARNING

	- Do not modify this product, as a fire, electrical shock, or breakdown could result. If the product employs a laser, the laser beam source could cause blindness. - Do not attempt to remove the covers and panels which have been fixed to the product. Some products have a high-voltage part or a laser beam source inside that could cause an electrical shock or blindness.
	- Use only the power cord supplied in the package. If a power cord is not supplied, only use the power cord and plug that is specified in POWER CORD INSTRUCTION. Failure to use this cord could result in a fire or electrical shock. - Use the power cord supplied in the package only for this machine and NEVER use it for any other product. Failure to observe this precaution could result in a fire or electrical shock. - Use only the specified power source voltage. Failure to do that could result in a fire or electrical shock. - Do not use a multiple outlet adapter to connect any other appliances or machines. Use of a power outlet for more than the marked current value could result in a fire or electrical shock.
	Do not unplug and plug in the power cord with a wet hand, as an electrical shock could result.
	Plug the power cord all the way into the power outlet. Failure to do this could result in a fire or electrical shock.
	- Do not scratch, abrade, place a heavy object on, heat, twist, bend, pull on, or damage the power cord. Use of a damaged power cord (exposed core wire, broken wire, etc.) could result in a fire or breakdown. Should any of these conditions be found, immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative. - Do not use an extension cord, in principle. Use of an extension cord could cause a fire or electrical shock. Contact your authorized service representative if an extension cord is required.
	Do not place a flower vase or other container that contains water, or metal clips or other small metallic objects on this product. Spilled water or metallic objects dropped inside the product could result in a fire, electrical shock, or breakdown. Should a piece of metal, water, or any other similar foreign matter get inside the product, immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative.
	- Do not keep using this product, if this product becomes inordinately hot or emits smoke, or unusual odor or noise. Immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative. If you keep on using it as is, a fire or electrical shock could result. - Do not keep using this product, if this product has been dropped or its cover damaged. Immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative. If you keep on using it as is, a fire or electrical shock could result.
	Do not throw the toner cartridge or toner into an open flame. The hot toner may scatter and cause burns or other damage.



Connect the power cord to an electrical outlet that is equipped with a grounding terminal.

CAUTION



- Do not use flammable sprays, liquids, or gases near this product, as a fire could result.
- Do not leave a toner unit or drum unit in a place within easy reach of children. Licking or ingesting any of these things could injure your health.
- Do not let any object plug the ventilation holes of this product. Heat could accumulate inside the product, resulting in a fire or malfunction.
- Do not install this product at a site that is exposed to direct sunlight, or near an air conditioner or heating apparatus. The resultant temperature changes inside the product could cause a malfunction, fire, or electrical shock.
- Do not place the product in a dusty place, or a site exposed to soot or steam, near a kitchen table, bath, or a humidifier. A fire, electrical shock, or breakdown could result.
- Do not place this product on an unstable or tilted bench, or in a location subject to a lot of vibration and shock. It could drop or fall, causing personal injury or mechanical breakdown.
- After installing this product, mount it on a secure base. If the unit moves or falls, it may cause personal injury.
- Do not store toner units and PC drum units near a floppy disk or watch that are susceptible to magnetism. They could cause these products to malfunction.



The inside of this product has areas subject to high temperature, which may cause burns. When checking the inside of the unit for malfunctions such as a paper misfeed, do not touch the locations (around the fusing unit, etc.) which are indicated by a "Caution! High Temperature!" warning label.



Do not place any objects around the power plug as the power plug may be difficult to pull out when an emergency occurs.



The socket-outlet shall be installed near the machine and shall be easily accessible as the power plug may be difficult to pull out when an emergency occurs.



- Always use this product in a well ventilated location. Operating the product in a poorly ventilated room for an extended period of time could injure your health. Ventilate the room at regular intervals.
- Whenever moving this product, be sure to disconnect the power cord and other cables. Failure to do this could damage the cord or cable, resulting in a fire, electrical shock, or breakdown.
- When moving this product, always hold it by the locations specified in the User manual or other documents. If the unit falls it may cause severe personal injury. The product may also be damaged or malfunction.
- Remove the power plug from the outlet more than one time a year and clean the area between the plug terminals. Dust that accumulates between the plug terminals may cause a fire.
- When unplugging the power cord, be sure to hold onto the plug. Pulling on the power cord could damage the cord, resulting in a fire or electrical shock.

Precautions for Routine Use

	• Do not store toner units, PC drum units, and other supplies and consumables in a place subject to direct sunlight and high temperature and humidity, as poor image quality and malfunction could result. • Do not attempt to replace the toner unit and PC drum unit in a place exposed to direct sunlight. If the PC drum is exposed to intense light, poor image quality could result. • Do not unpack a toner unit or PC drum unit until the very time of use. Do not leave an unpacked unit standing. Install it immediately or poor image quality could result. • Do not keep toner units and PC drum units in an upright position or upside down, as poor image quality could result. • Do not throw or drop a toner unit or PC drum unit as poor image quality could result. • Do not use this product in an area where ammonia or other gases or chemicals are present. Failure to do so may shorten the service life of the product, cause damage or decrease performance. • Do not use this product in an environment with a temperature outside the range specified in the User manual, as a breakdown or malfunction could result. • Do not attempt to feed stapled paper, carbon paper or aluminum foil through this product, as a malfunction or fire could result.
	Do not touch or scratch the surface of the toner unit, developing roller and the PC drum, as poor image quality could result.
	Use the supplies and consumables recommended by the dealer. Use of any supply or consumable not recommended could result in poor image quality and breakdown.

FCC PART 15 - RADIO FREQUENCY DEVICES (For U.S.A. Users)

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.

WARNING: The design and production of this unit conform to FCC regulations, and any changes or modifications must be registered with the FCC and are subject to FCC control. Any changes made by the purchaser or user without first contacting the manufacturer will be subject to penalty under FCC regulations.

INTERFERENCE-CAUSING EQUIPMENT STANDARD (ICES-003 ISSUE 3) (For Canada Users)

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

CE Marking (Declaration of Conformity) for Users of the European Union (EU)

This product complies with the following EU directives:
89/336/EEC, 73/23/EEC and 93/68/EEC directives.

This declaration is valid for the area of the European Union.

For Users in countries not subject to Class B regulations**WARNING**

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

LED Radiation Safety

This product is a printer which operates by means of a LED (light emitting diodes) exposure system. There is no possibility of danger from the LED optical radiation, because the LED optical radiation level does not exceed the accessible radiation limit of class 1 under all conditions of operation, maintenance, service and failure.

Ozone Release

Locate the machine in a Well Ventilated Room

A negligible amount of ozone is generated during normal operation of this machine. An unpleasant odor may, however, be created in poorly ventilated rooms during extensive machine operations. For a comfortable, healthy and safe operating environment, it is recommended that the room be well ventilated.

Placer l'appareil dans une pièce largement ventilée

Une quantité d'ozone négligable est dégagée pendant le fonctionnement de l'appareil quand celui-ci est utilisé normalement. Cependant, une odeur désagréable peut être ressentie dans les pièces dont l'aération est insuffisante et lorsque une utilisation prolongée de l'appareil est effectuée. Pour avoir la certitude de travailler dans un environnement réunissant des conditions de confort, santé et de sécurité, il est préférable de bien aérer la pièce où se trouve l'appareil.

Acoustic noise (For European Users Only)

Machine Noise Regulation 3 GSGV, 18.01.1991 : The sound pressure level at the operator position according to EN 27779 is equal to or less than 70 dB (A).

1.2 Explanation of Manual Conventions

The marks and text formats used in this manual are described below.



WARNING

Failure to observe instructions highlighted in this manner may result in fatal or critical injuries.

→ Observe all warnings in order to ensure safe use of the printer.



CAUTION

Failure to observe instructions highlighted in this manner may result in serious injuries or property damage.

→ Observe all cautions in order to ensure safe use of the printer.



Note*

(*May also appear as “Important” or “Tip”)

Text highlighted in this manner contains useful information and tips to ensure safe use of the printer.

1 The number 1 as formatted here indicates the first step of a sequence of actions.

2 Subsequent numbers as formatted here indicate subsequent steps of a sequence of actions.

? *Text formatted in this style provides additional assistance.*

→ Text formatted in this style describes the action that will ensure the desired results are achieved.

An illustration inserted here shows what operations must be performed.

[Menu] key

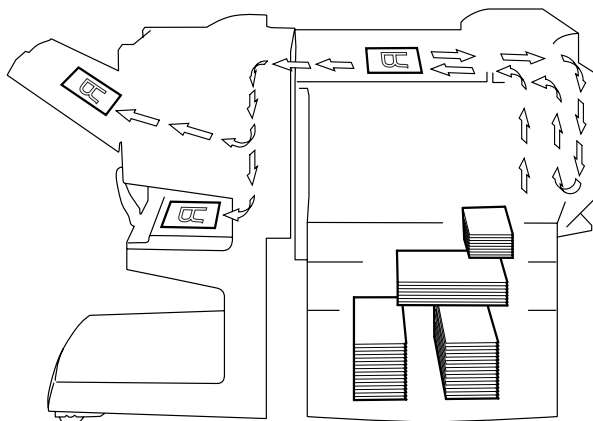
The names of keys on the printer panel are written as shown above.

1.3 Explanation of Basic Concepts

The use of words and symbols in this manual are explained below.

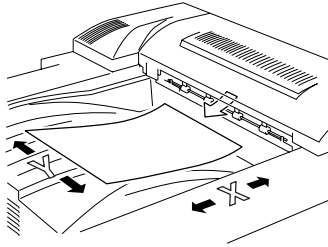
Paper Feeding

During printing, paper is supplied from the right side of the printer and fed into the output tray on top or the output option at the left with the printed surface of the page facing down. The paper feed direction is shown by the arrows in the diagram below.



“Width” and “Length”

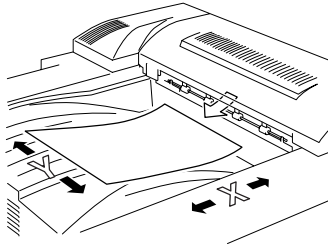
Whenever paper dimensions are mentioned in this manual, the first value always refers to the width of the paper (shown as “Y” in the illustration) and the second to the length (shown as “X”).



Paper Orientation

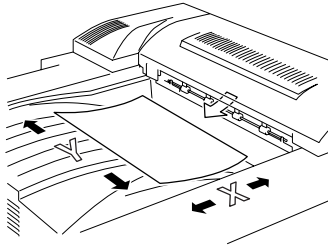
Lengthwise

If the width (Y) of the paper is shorter than the length (X), the paper has a vertical or portrait orientation, indicated by “L”.



Crosswise

If the width (Y) of the paper is longer than the length (X), the paper has a horizontal or landscape orientation, indicated by “C”.



1.4 Energy Star®



As an ENERGY STAR® Partner, we have determined that this machine meets the ENERGY STAR® Guidelines for energy efficiency.

What is an ENERGY STAR® Product?

An ENERGY STAR® product has a special feature that allows it to automatically switch to a “low-power mode” after a period of inactivity. An ENERGY STAR® product uses energy more efficiently, saves you money on utility bills and helps protect the environment.

1.5 Trademarks and Registered Trademarks

DiALTA is a registered trademark of Minolta Co., Ltd.

Minolta is a registered trademark of MINOLTA CO., LTD. PageScope is a trademark of MINOLTA CO., LTD.

Apple and Macintosh are registered trademarks of Apple Computer, Inc.

Ethernet is a registered trademark of Xerox Corporation.

Microsoft, Windows, and Windows NT are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Netscape Communications, Netscape Communications' logo, Netscape Navigator, Netscape Communicator, and the Netscape are trademarks of Netscape Communications Corporation in the U.S. and other countries.

PCL is a registered trademark of Hewlett-Packard Company Limited.

PostScript is a registered trademark of Adobe Systems, Inc.

EFI, Fiery and the Fiery logo are registered trademarks of Electronics For Imaging, Inc. in the U.S. Patent and Trademark Office and/or certain other foreign jurisdictions.

The Electronics For Imaging logo, Fiery Scan, Fiery WebScan and Fiery WebTools are trademarks of Electronics For Imaging, Inc.

All other product names mentioned are trademarks or registered trademarks of their respective companies

2 Precautions

2.1 Installation Precautions

Installation Site

To ensure utmost safety and prevent possible malfunctions, install the printer in a location that meets the following requirements.

- A location away from curtains, etc. that may catch fire and burn easily
- A location that is not exposed to water or other liquids
- A location free from direct sunlight
- A location out of the direct airflow of an air conditioner or heater, and not exposed to extremely high or low temperatures
- A well-ventilated location
- A location that is not exposed to high humidity
- A location that is not extremely dusty
- A location not subjected to undue vibrations
- A stable and level location
- A location where ammonia or other organic gases are not generated
- A location that does not put the operator in the direct airflow of exhaust from the printer
- A location that is not near any kind of heating devices

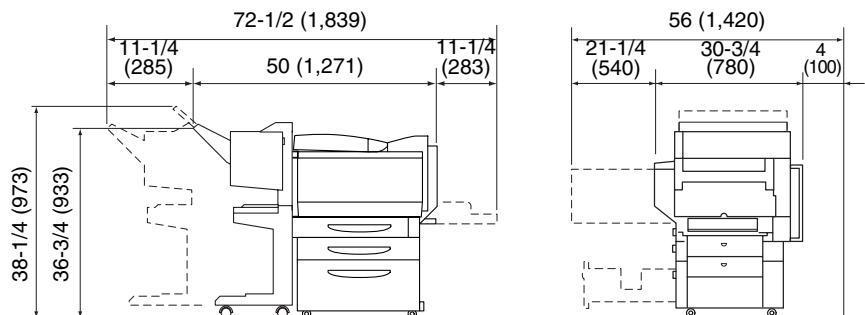
Power Source

The power source requirements are as follows.

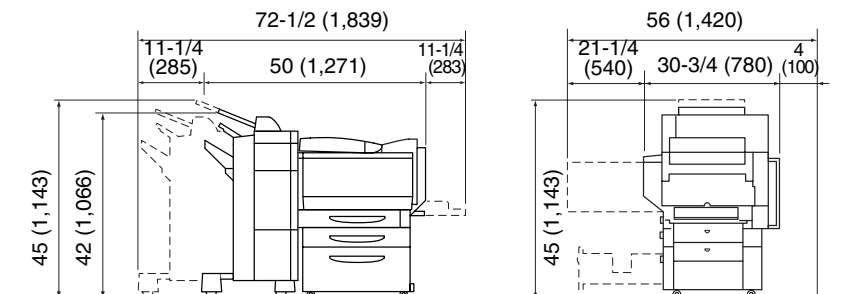
- Voltage fluctuation: Maximum $\pm 10\%$
(AC 127 V areas only: Between -10% and $+6\%$)
- Frequency fluctuation: Maximum $\pm 0.3\%$
 - Use a power source with as little voltage or frequency fluctuations as possible.

Space Requirements

To ensure easy printer operation, supply replacement, and maintenance, adhere to the recommended space requirements detailed below.



Unit: inch (mm)



Unit: inch (mm)



Note

Be sure to allow a clearance of 4 inch (100 mm) or more at the back of the printer for the ventilation duct.

2.2 Operation Precautions

Operating environment

The environmental requirements for correct operation of the printer are as follows.

- Temperature: 50°F (10°C) to 86°F (30°C) with fluctuations of no more than 50°F (10°C) within an hour
- Humidity: 10% to 80% with fluctuations of no more than 20% within an hour

Proper use

To ensure the optimum performance of the printer, follow the precautions listed below.

- Never place heavy objects on the original glass or subject it to shocks.
- Never open any printer doors or turn off the printer while it is printing; otherwise, a paper jam will occur.
- Never bring any magnetized object or use flammable sprays or liquids near the printer.
- + Always make sure that the power plug is completely plugged into the electrical outlet.
- Always make sure that the printer's power plug is visible and not hidden by the printer.
- + Always unplug the printer from the electrical outlet if the unit is not to be used for a long period of time.
- + Always provide good ventilation when making a large number of continuous printer.



CAUTION

If the ventilation duct at the top of the printer becomes blocked, the inside of the printer will accumulate heat, resulting in a malfunction or fire.

→ Do not place any objects over the ventilation duct.



CAUTION

The area around the fusing unit is extremely hot.

- Be careful not to touch any parts around the fusing unit, other than those indicated in this manual, in order to reduce the risk of burns. Be especially careful not to touch parts marked with warning labels, and their surrounding areas.
- If you get burnt, immediately cool the skin under cold water, and then seek professional medical advice.

Transporting the printer

If you need to transport the printer over a long distance, consult your technical representative.

Care of printer supplies

Use the following precautions when handling the printer supplies (toner cartridge, paper, etc.).

- ✦ Store the supplies in a location that meets the following requirements.
 - Free from direct sunlight
 - Away from any heating apparatus
 - Not subjected to high humidity
 - Not extremely dusty
- ✦ Store in a sealed plastic bag in a cool, dark place paper that has been removed from its wrapper but not loaded into the printer.
- Only use toner that has been manufactured specifically for this printer. Never use other types of toner.
- Keep all supplies out of the reach of children.

**CAUTION****Precautions for handling toner:**

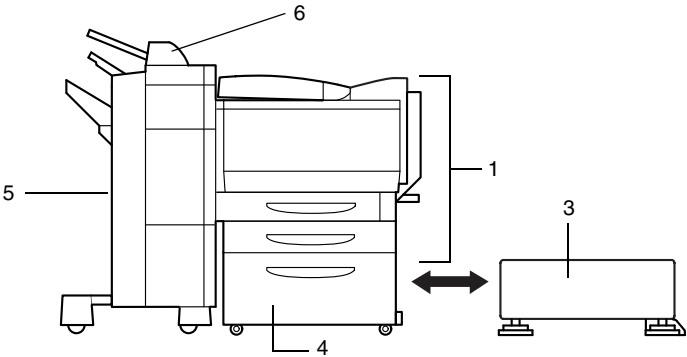
- Be careful not to spill toner inside the printer or get toner on your clothes or hands.
- If your hands become soiled with toner, immediately wash them with soap and water.
- If toner gets in your eyes, immediately flush them with water, and then seek professional medical advice.

Storage of prints

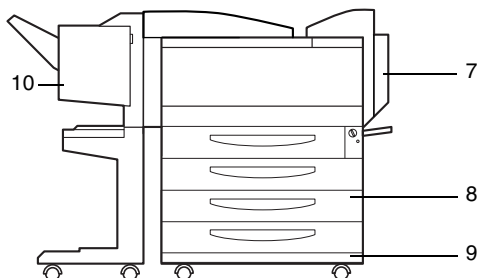
- + Prints that are to be kept for a long time should be kept where they are not exposed to light in order to prevent them from fading.
- Adhesive that contains solvent (e.g., spray glue) may dissolve the toner on prints.
- Color prints have a thicker layer of toner than normal black-and-white prints. Therefore, when a color print is folded, the toner at the fold may peel off.

3 Before Making Prints

3.1 Components and Their Functions



No.	Part Name	Description
1	Printer	Prints the print data transmitted from the printer controller Referred to as the printer throughout the manual.
2	Printer Controller CN3102e	For more details, refer to the manual of the printer controller. Since this equipment is attached to the back of the printer, it is not shown in the above illustration. Referred to as the printer controller throughout the manual.
3	Copy Desk CD-2M (optional)	The printer can be set up on the copy desk. By setting up the printer on the copy desk, the printer can be placed on the floor instead of on a desk, keeping the entire surface of the desk free. Referred to as the copy desk throughout the manual
4	Large Capacity Cabinet PF-121 (optional)	Equipped with a paper drawer that can supply 2,500 sheets of paper Referred to as the large capacity cabinet throughout the manual
5	Finisher FN-116 (optional)	Finishes prints according to the selected Finishing setting (sorting or stapling), then feeds out the pages If the finisher is installed, the printer must be installed on the copy desk, on the large capacity cabinet or over a paper feed unit combined with the copy table.
6	Option Tray JS-100 (optional)	If finisher FN-116 is installed, the number of paper output trays can be increased.



No.	Part Name	Description
7	Duplex Unit AD-14 (optional)	Turns over prints, allowing double-sided prints to be made automatically. If a printer controller (CN3102e) and the duplex unit are installed on the printer, the memory must be expanded. If the expanded memory is not installed, automatic double-sided printing cannot be performed. Referred to as the duplex unit throughout the manual
8	Paper Feed Unit PF-118 (optional)	Equipped with a paper drawer that can supply 500 sheets of paper; up to two paper feed units can be installed. Referred to as the paper feed unit throughout the manual
9	Copy Table CT-2 (optional)	A paper feed unit can be set up on the copy table, and then the printer can be set up on the top. By setting up the printer on the copy table, the printer can be placed on the floor instead of on a desk, keeping the entire surface of the desk free. Referred to as the copy table throughout the manual
10	Finisher FN-8 (optional)	Finishes prints according to the selected finishing mode (sorting, stapling, hole-punching or binding), then feeds out the pages The hole-punching function is only available if the optional punch kit (PK-4) is installed onto finisher FN-8. If the finisher is installed, the printer must be installed on the copy desk, on the large capacity cabinet or over a paper feed unit combined with the copy table.

No.	Part Name	Description
11	Punch KIT PK-4 (optional)*	Allows the hole-punching function to be used if installed onto finisher FN-8
12	Memory M256-2 (USA, Canada: standard, others: optional)	Increases the memory of the printer to 512 MB (256 MB standard memory + 256 MB expanded memory) By expanding the memory, the number of pages that can be stored in the memory can be increased. (Refer to Supplemental Table 1.) Referred to as the memory throughout the manual
13	Hard Disk Drive HDD-5 (optional)*	Allows more pages to be stored (Refer to Supplemental Table 1.) In addition, by installing hard disk drive HDD-5 and the optional memory, the "Distribution" function can be used. Referred to as the hard disk throughout the manual

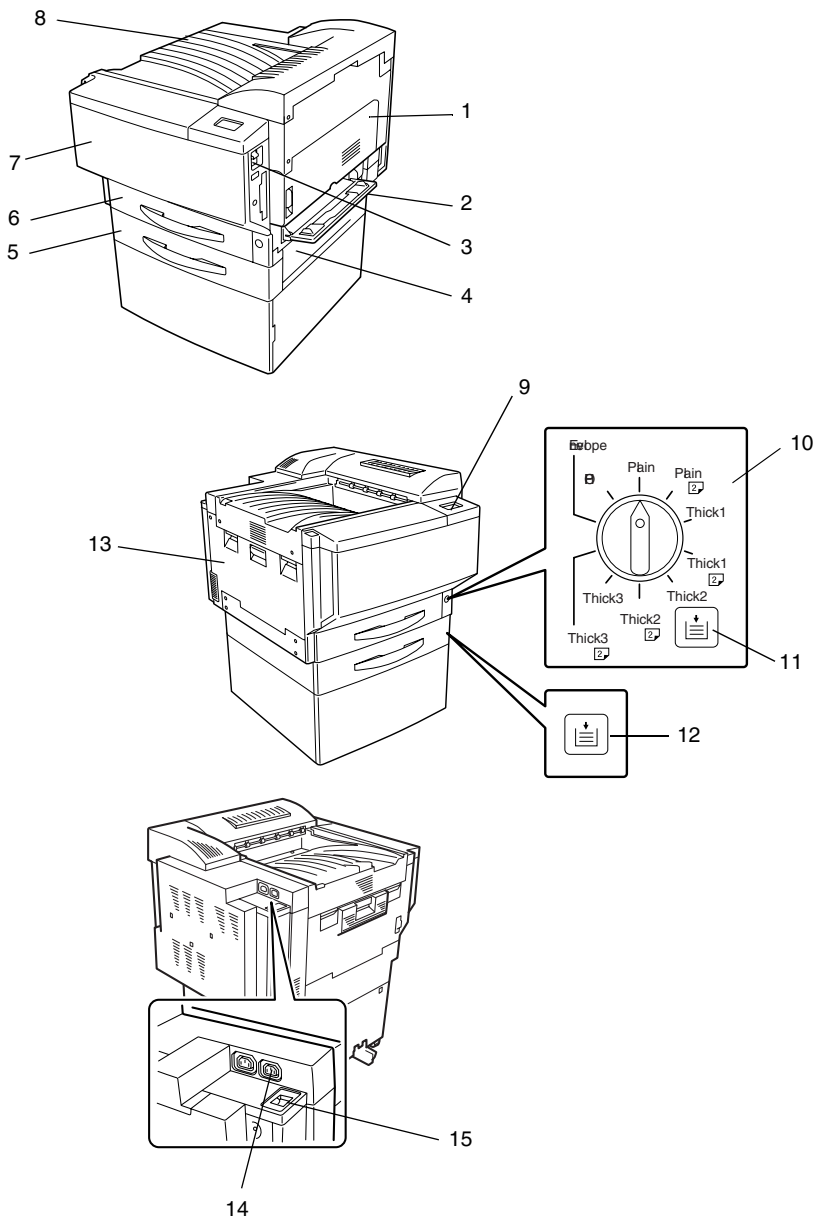
* The internal options are not shown.

Supplemental Table 1

Standard Configuration		With Optional Memory Installed		With Optional Memory and the Hard Disk Installed	
Color	Black & white	Color	Black & white	Color	Black & white
70 sheets	264 sheets	235 sheets	400 sheets	Maximum 2,000 sheets	

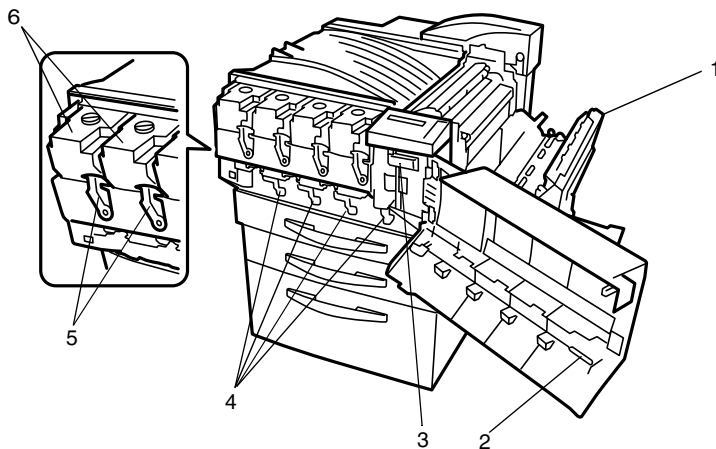
3.2 Parts Names and Their Functions

Outside of Printer



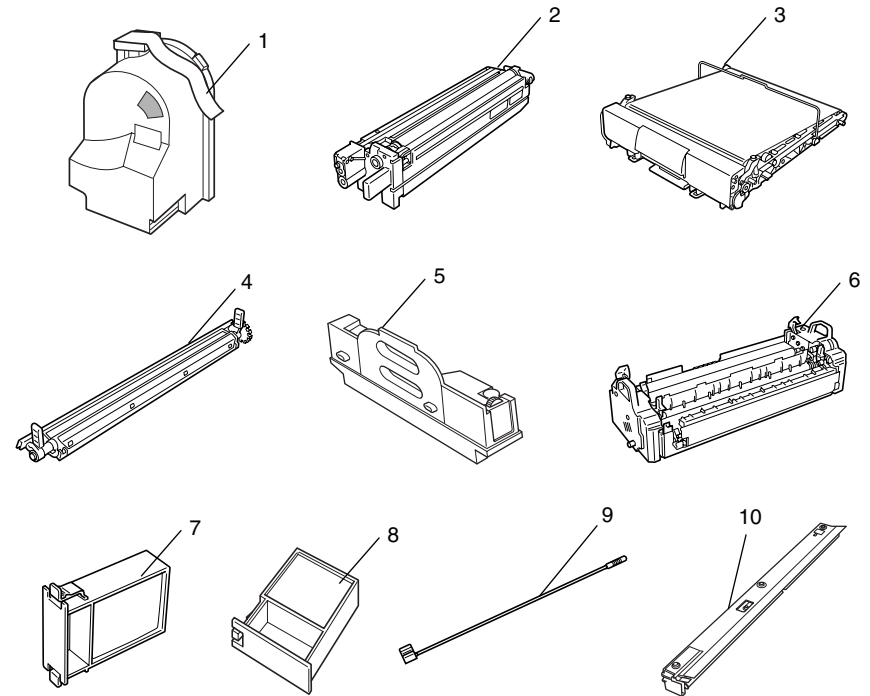
No.	Part Name	Description
1	Right-side door	Opened when clearing misfeeds (See p. 5-18 and p. 5-22.)
2	Manual bypass tray	Used for manual feeding of paper The paper is fed one sheet at a time. Special paper can be loaded. (See p. 4-18.)
3	Power switch	Used to turn the printer on and off (See p. 3-15.)
4	Lower right-side door	Opened when clearing misfeeds (See p. 5-20.)
5	2nd drawer	Holds up to 500 sheets of paper The paper size can be adjusted freely. (See p. 4-15.)
6	1st drawer	Holds 250 sheets of paper The paper size can be adjusted freely. Special paper can be loaded. (See p. 4-7.)
7	Front door	Opened when replacing a toner cartridge (See p. 5-5.)
8	Print output tray	Collects prints fed out of the printer facing down
9	Printer panel	Displays the current status of the printer (See p. 3-10.)
10	Media type selection dial	Used to specify the type of paper loaded into the 1st drawer (See p. 4-11.)
11	1st drawer Paper-empty indicator	Indicates the amount of paper remaining - Flashing: Indicates that there is little paper remaining - Lit: Indicates that the paper is empty Replenish the paper.
12	2nd drawer Paper-empty indicator	
13	Left-side door	Opened when servicing the printer
14	Printer power cord socket	Used for connecting the printer's power cord
15	Finisher connector	Used for connecting the finisher hookup cord

Inside of Printer



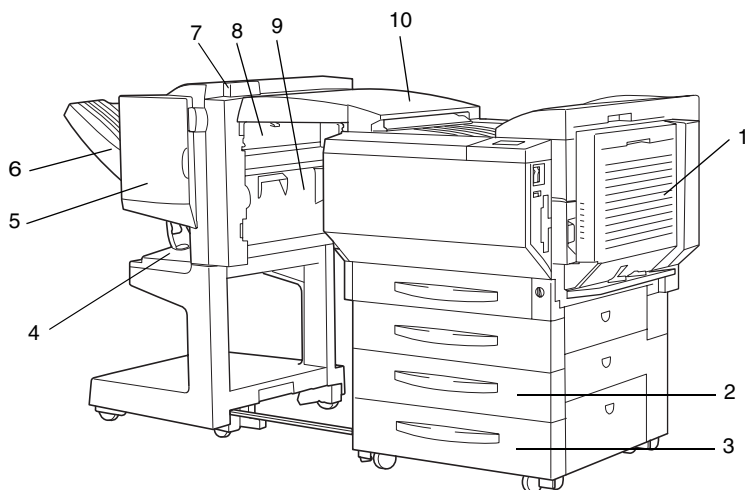
No.	Part Name	Description
1	Upper right-side door	Opened when replacing the fusing unit or clearing misfeeds (See p. 5-24.)
2	LED-cleaning tool	Used to clean the surface of the LED unit, for example, when replacing the image transfer belt unit
3	Imaging unit removal bracket	Used to remove the imaging unit
4	Charger-cleaning tool	Used to clean the electrostatic charger wire, for example, when incorrect prints are produced
5	Imaging unit release lever	Used to install and replace the imaging unit
6	Toner cartridge compartments	Contains a toner cartridge for each color

Supplies and Parts



No.	Part Name	Description
1	Toner Cartridge	There are four toner cartridges: cyan (C), magenta (M), yellow (Y) and black (BK). The combination of the four toners generates full-color images.
2	Imaging Unit	Generates the printed image
3	Image transfer belt unit	Layers onto the image transfer belt each of the single colors of the image generated by the imaging unit in order to create a full-color image
4	Image transfer roller unit	Transfers onto the paper a full-color image generated by the image transfer belt unit
5	Waste-toner bottle	Collects waste toner
6	Fusing unit	Fuses the transferred toner to the paper
7	Ozone filter	Collects the ozone generated in the printer
8	Filter	Collects the toner dust generated in the printer
9	LED-cleaning tool	Used to clean the surface of the LED unit, for example, when replacing the image transfer belt unit
10	Dust remover	Collects the dust generated in the printer

Options



Duplex Unit (AD-14)

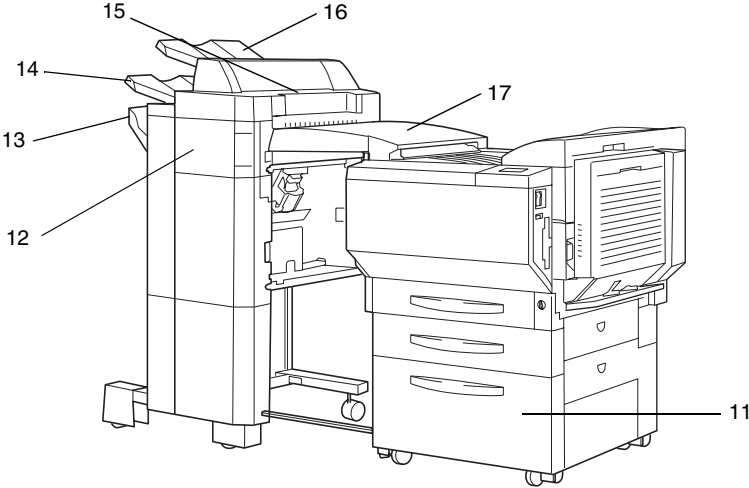
No.	Part Name	Description
1	Duplex unit door	Opened when clearing a paper misfeed within the duplex unit

Paper Feed Unit (PF-118)

No.	Part Name	Description
2	3rd drawer	Holds up to 500 sheets of paper As many as two units can be installed. The paper size can be adjusted freely. (See p. 4-15)
3	4th drawer	

Finisher (FN-8)

No.	Part Name	Description
4	Lower paper output tray (bound paper tray)	Collects prints that were bound
5	Front door	Opened when replacing the staple cartridge
6	Paper output tray (elevated tray)	Collect prints
7	Upper door	Opened when clearing a paper misfeed within the finisher
8	Paper guide	Opened when clearing a paper misfeed within the finisher
9	Transport guide	Opened when clearing a paper misfeed within the finisher
10	Horizontal transport unit cover	Opened when clearing a paper misfeed within the finisher



Large Capacity Cabinet (PF-121)

No.	Part Name	Description
11	3rd drawer	Holds up to 2,500 sheets of paper (See p. 4-17.)

Finisher (FN-116)

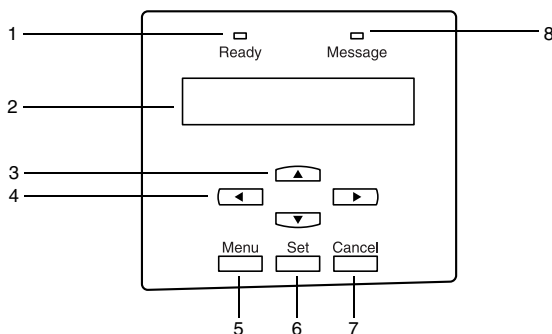
No.	Part Name	Description
12	Front door (FN4)	Opened when clearing a paper misfeed within the finisher
13	Secondary paper output tray (elevated tray)	Collects prints that are sorted
14	Primary paper output tray (non-sort tray)	Collects prints that are not sorted (made with the “Non-Sort” setting)
15	Upper cover (FN1)	Opened when clearing a paper misfeed within the finisher
17	Horizontal transport unit cover	Opened when clearing a paper misfeed within the finisher

Option Tray (JS-100)

No.	Part Name	Description
16	Option Tray (optional)	Collects prints

3.3 Names of Printer Panel Parts and Their Functions

Names of Printer Panel Parts and Their Functions



No.	Part Name	Description
1	Ready light	- Off when the printer controller is off or starting up - Lights up in green to indicate that the printer is ready - Flashes green when the printer controller is proceeding to RIP, printing a job, or communicating with a network utility (such as, Command Workstation)
2	Message window	Displays information about the current status
3	Up/down keys	- Up key: Returns to the previous option or setting if pressed when a menu is displayed; displays the previous character if pressed when entering text - Down key: Advances to the next option or setting if pressed when a menu is displayed; displays the next character if pressed when entering text
4	Right/left keys	- Right arrow: Advances the cursor to the next entry position on the right - Left arrow: Deletes the character to the left if pressed when entering text
5	Menu key	Displays the Functions menu; returns to the menu if pressed after an option has been selected
6	Set key	- Activates the currently selected option and, if applicable, proceeds to the next menu - If "Cancel Job" appears in the display window, press the [Set] key to cancel the job.
7	Cancel key	Exits the setup and returns to Info
8	Message light	- Lights up in red to indicate a communication error lasting more than 30 seconds between the printer controller and the printer - Flashes red if there is a warning or an error that prevents printing

3.4 Selecting the Required Function

In order to select functions, the [Functions] menu must be selected.

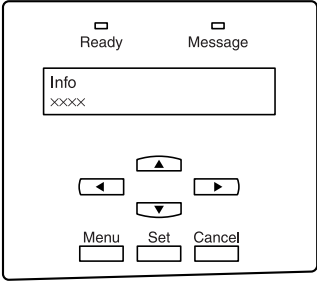
The following functions can be selected from the [Functions] menu in the printer panel.

To select a function

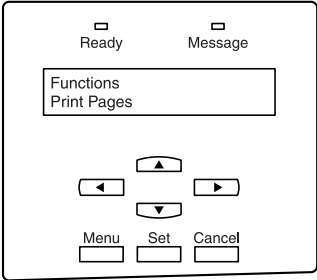
- 1 Check that “Info XXXX” appears in the display, and then press the [Menu] key in the printer panel.



Note
“XXXX” indicates the name specified when the controller was set up. (For more details, refer to the manual of the printer controller.)



- 2 Press ▲ or ▼ until the desired function is selected, and then press the [Set] key.



[Functions] menu	Submenu
Print Pages	PS Test Page Configuration Job Log Control Panel Map Color Charts PS Font List PCL Font List E-mail Log* Total Counter Unit Check * Appear if e-mail services are enabled in “Service Setup”.
Suspend Printing	

[Functions] menu	Submenu
Resume Printing	
Shut Down	Restart Server Shut Down System Reboot System
Run Setup	This command is used to enter the Setup mode of the printer controller. (For more details, refer to the manual included with the printer controller.)
Run Diagnostics	This command is used to run the diagnostic function. (For details, refer to the manual included with the printer controller.)
Calibration	This command is used to perform the calibration. (For more details, refer to the manual included with the printer controller.)
Engine Setup	Tray1 Setup Special Paper Output Tray Crisscross Low-Power Mode Sleep Mode Life Counter Clear Screen Pattern

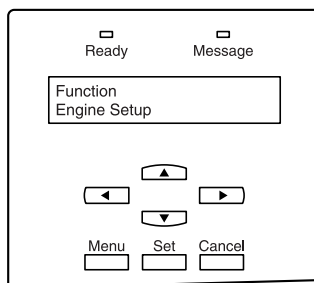
Engine Setup Items

Items	Setting
Tray 1 Setup	This function is used to specify the size of paper loaded in Tray 1.
Special Paper	This function is used to specify that the paper loaded in Tray 2, Tray 3 or Tray 4 is special paper. If the Special Paper is specified for any drawer, the paper is not automatically selected with paper setting "Auto Paper" or with 2-sided printing.
Output Tray	This function is used to select the first priority of Output Trays. This function can be set only if the Finisher (FN-116) is installed.
Crisscross	This function is used to set whether or not prints will be sorted in crisscross pattern if the necessary conditions are met while using the "Sort" mode.
Low-Power Mode	This function is used to activate or deactivate the Energy Saver Mode. If this mode is set to "On", select the length of time after the last operation until the printer automatically enters the Energy Saver Mode.
Sleep Mode	This function is used to activate or deactivate the Sleep Mode. If this mode is set to "On", select the length of time after the last operation until the printer automatically enters the Sleep Mode.
Life Counter Clear	This function is used to reset the Life Counter value of the parts to "0".
Screen Pattern	This function is used to select the type of Screen Pattern.

To set the Engine Setup Items

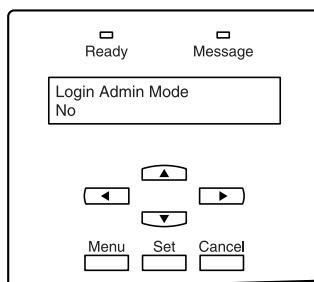
For example: Low-Power Mode

- 1 Select “Engine Setup” and press the [Set] key.

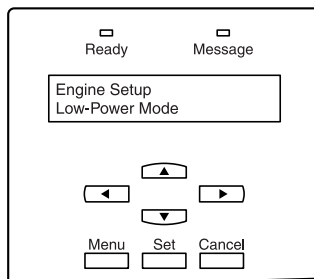


- 2 “Login Admin Mode” (login screen for the setting mode used by the technical representative) is displayed.

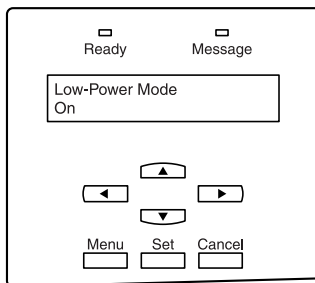
Select “No” and press the [Set] key.



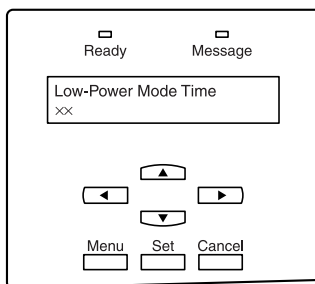
- 3 Press ▲ or ▼ until the “Low-Power Mode” appears and press the [Set] key.



- 4 Select “On” or “Off” using ▲ or ▼ and press the [Set] key.



- 5 If “On” is selected, specify the length of time until the printer automatically enters the Low-Power Mode.

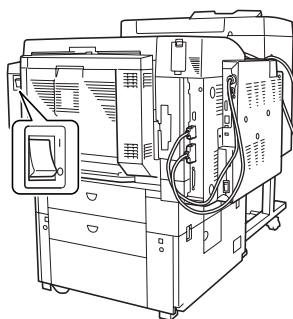


- 6 Press the [Set] key.

3.5 Turning the Printer On and Off

To turn on the printer

- Set the power switch to “I”.



To turn the printer off

- Set the power switch to “O”.



Note

Do not turn off the printer while it is printing, otherwise a paper misfeed may occur. Make sure that all print operations are finished before turning off the printer.



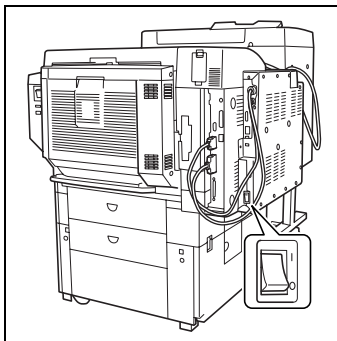
Note

If the printer is not used for a while, it automatically enters Energy Saver mode. The printer will automatically start warming up as soon as it receives a print job, or when any cover is opened, then closed.

3.6 Turning the Printer Controller On and Off

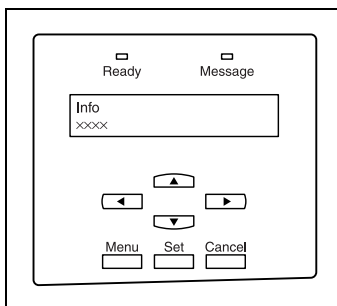
To turn on the printer controller

→ Set the power switch to “I”.



After the printer controller is turned on, the controller is initialized. After the controller has finished warming up, the Ready light lights up in green and “Info XXXX” appears in the display.

However, a print operation is not performed until the printer has finished warming up (after about 5 minutes at normal room temperature (68 °F/20 °C)).



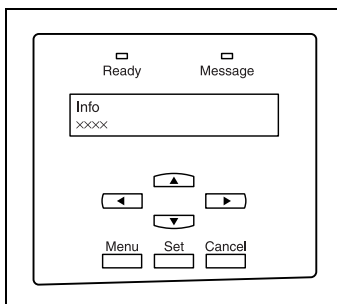
To turn off the printer controller



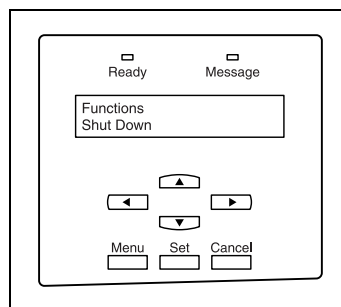
Note

If the printer controller is turned off in a manner other than described in “To turn off the printer controller”, the controller may be damaged.

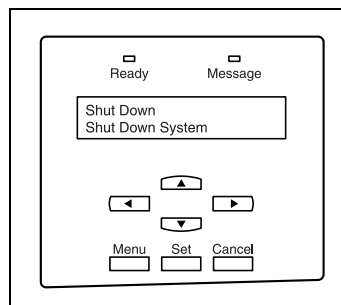
- 1 Check that “Info XXXX” appears in the display, and then press the [Menu] key in the printer panel.



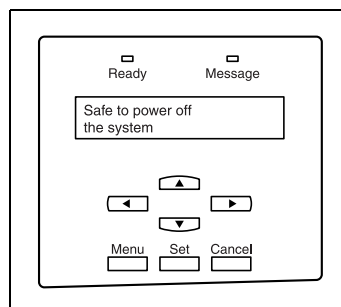
- 2 Press ▲ or ▼ until “Functions Shut Down” appears, and then press the [Set] key.



- 3 Press ▼ once to display “Shut Down System”, and then press the [Set] key to begin shutting down the system.



- 4 When the system has finished shutting down, “Safe to power off the system” appears.



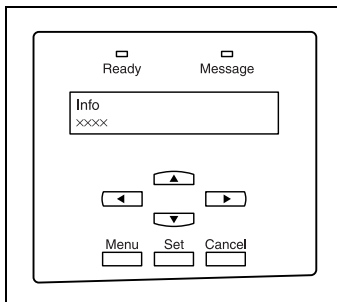
- 5 Set the power switch of the printer controller to “○” to turn off the printer controller.

3.7 Total Counter

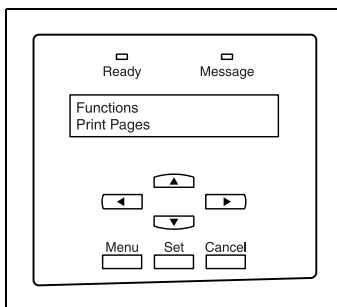
The total counter can be printed out by following the procedure below.

To print the total counter

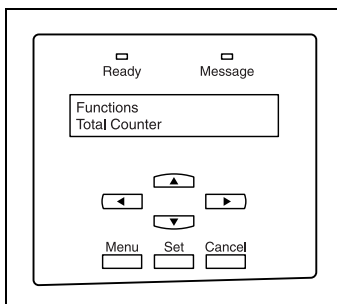
- 1 Check that “Info XXXX” appears in the display, and then press the [Menu] key in the printer panel.



- 2 Press ▲ or ▼ until “Function Print Pages” appears, and then press the [Set] key.



- 3 Press ▲ or ▼ until “Functions Total Counter” appears, and then press the [Set] key.



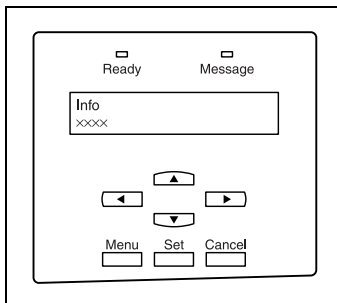
- 4 The meter counter is printed out.
(Refer to page 4-7 for Loading Paper.)

Serial #				2002/11/10 08:11	
Total Check					
	Full Color	Black	Mono Color	2-Sided Total	
Copy	0	0	0	14	
Large	0	0	0		
Print	5094	623		1490	
Large	0	0			
Total	5094	623			
G.Total	5717				
					Scan
					0

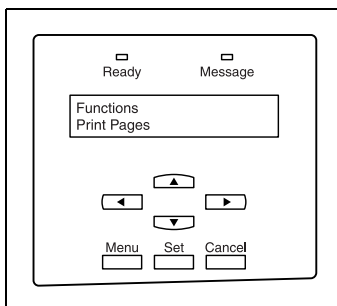
3.8 Unit Check

The life counter for the units can be printed out by following the procedure below.

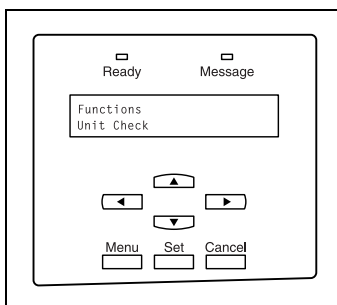
- 1 Check that “Info XXXX” appears in the display, and then press the [Menu] key in the printer panel.



- 2 Press ▲ or ▼ until “Function Print Pages” appears, and then press the [Set] key.



- 3 Press ▲ or ▼ until “Functions Unit Check” appears, and then press the [Set] key.



- 4 The life counter is printed out. (Refer to page 4-7 for Loading Paper.)

Serial #		2002/11/10 08:11
Life Check		
G.Total		6380
Cyan IU		992
Magenta IU		992
Yellow IU		992
Black IU		751
Fusing Unit		7194
Trans. Roller Unit		7185
Trans. Belt Unit		8860
Ozon filter		7185

4 Loading Paper

4.1 Paper Specifications

Use paper that meets the following specifications.

Paper Types

Paper Type	Plain Paper	Thick Paper 1	Thick Paper 2	Thick Paper 3
Weight (lbs.)	17 lbs. to 24 lbs.	24-1/4 lbs. to 40 lbs.	40-1/4 lbs. to 55-1/2 lbs.	55-3/4 lbs. to 68 lbs.
Weight (g/m ²)	(64 g/m ² to 90 g/m ²)	(91 g/m ² to 150 g/m ²)	(151 g/m ² to 209 g/m ²)	(210 g/m ² to 256 g/m ²)
Paper Source, Etc.				
Manual bypass tray	○	○	○	○
1st drawer	○	○	○	○
2nd drawer	○	—	—	—
Paper feed unit ^{*1}	○	—	—	—
Large capacity cabinet ^{*1}	○	—	—	—

Paper Type	Overhead Projector Transparencies C	Postcards	Envelopes	Label Sheets
Paper Source, Etc.				
Manual bypass tray	○	○	○	○
1st drawer	○	○	○	○
2nd drawer	—	—	—	—
Paper feed unit ^{*1}	—	—	—	—
Large capacity cabinet ^{*1}	—	—	—	—

Paper Sizes

Non-standard paper:

Paper Source	Paper Width	Paper Length
Manual bypass tray	3-9/16 in. to 12-1/4 in. (90 mm to 311 mm)	5-1/2 in. to 18 in. (140 mm to 457 mm)
1st drawer		
2nd drawer		
Paper feed unit* ¹	—	—
Large capacity cabinet* ¹		

Standard paper:

Paper Size	12.25 × 18 L (A3 Wide L)	Ledger L (11 in. × 17 in. L) (A3 L)	11 × 14 L (B4 L)	Legal L (A4 L)
Paper Source, Etc.				
Manual bypass tray	○	○	○	○
1st drawer	○	○	○	○
2nd drawer	—	○	○	○
Paper feed unit* ¹	—	○	○	○
Large capacity cabinet* ¹	—	—	—	—

Paper Size	Letter C (A4 C)	Letter L (B5 L)	Invoice C (5.5 in. × 8.5 in. C) (B5 C)	Invoice L (5.5 in. × 8.5 in. L) (A5 L)
Paper Source, Etc.				
Manual bypass tray	○	○	○	○
1st drawer	○	○	○	○
2nd drawer	○	○	○	○
Paper feed unit* ¹	○	○	○	—
Large capacity cabinet* ¹	○	—	○* ²	—

Paper Size	Executive C (A5 C)	Executive L	FLS. L (8 in. × 13 in. L) (B6 L)	4 × 6 L Thick Paper (A6 Card Thick Paper)
Paper Source, Etc.				
Manual bypass tray	○	○	○	○
1st drawer	○	○	○	○
2nd drawer	○	○	○	—
Paper feed unit ^{*1}	—	—	—	—
Large capacity cabinet ^{*1}	—	—	—	—

Paper Capacity

Paper Type	Plain Paper	Thick Paper 1	Thick Paper 2	Thick Paper 3
Paper Source, Etc.				
Manual bypass tray	1 sheet	1 sheet	1 sheet	1 sheet
1st drawer	250 sheets	20 sheets	20 sheets	20 sheets
2nd drawer	500 sheets	—	—	—
Paper feed unit ^{*1}	500 sheets	—	—	—
Large capacity cabinet ^{*1}	2,500 sheets	—	—	—

Paper Type	Overhead Projector Transparen- cies	Postcards	Envelopes	Label Sheets
Paper Source, Etc.				
Manual bypass tray	1 sheet	1 sheet	1 sheet	1 sheet
1st drawer	20 sheets	20 sheets	20 sheets	20 sheets
2nd drawer	—	—	—	—
Paper feed unit ^{*1}	—	—	—	—
Large capacity cabinet ^{*1}	—	—	—	—

^{*1} The paper feed unit and large capacity cabinet are optional.

^{*2} The paper size should be changed by your authorized service representative.

**Note**

The following types of paper should not be used, otherwise decreased print quality or paper misfeeds may occur.

Overhead transparencies that have already been fed through the printer (even if the transparency is still blank)

Paper that has been printed on by a heat-transfer printer or an inkjet printer

Paper that is either extremely thick or extremely thin

Folded, curled, wrinkled, or torn paper

Paper that has been left unwrapped for a long period of time

Damp paper

Perforated paper or paper with punched holes

Extremely smooth or extremely rough paper, or paper with an uneven surface

Paper that has been treated, such as carbon-backed, heat-sensitive or pressure-sensitive paper

Paper that has been decorated with foil or embossing

Paper of various sizes

Paper of a non-standard shape (not rectangular)

Paper that is bound with glue, staples or paper clips

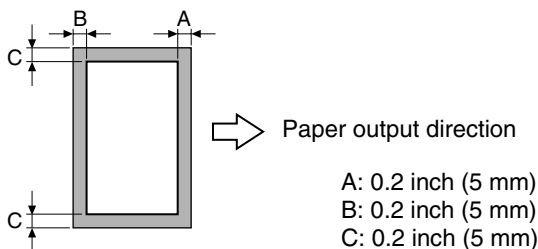
Paper with labels attached

Paper with ribbons, hooks, buttons, etc. attached

4.2 Print Area

Any part of the image within the area indicated below is not printed.

- A margin 0.2 inch (5 mm) from the leading edge of the paper (A)
- A margin 0.2 inch (5 mm) from the trailing edge of the paper (B)
- A margin 0.2 inch (5 mm) on both sides of the paper (C)



4.3 Paper Storage

Observe the following precautions when storing the paper.

- Store the paper in a location that meets the following requirements:
 - Not exposed to direct sunlight
 - Not exposed to a flame
 - Not exposed to high humidity
 - Not extremely dusty
- Unwrapped paper should be stored in a plastic bag in a cool, dark location.
- Keep paper out of the reach of children.

4.4 Automatically Selecting the Paper Source

If the selected paper drawer runs out of paper while a print job is being made and a different paper drawer is loaded with paper meeting the following conditions, the other paper drawer is automatically selected so printing can continue. If the optional large capacity cabinet is installed, a maximum of 3,250 prints (with Letter C or A4 C paper) can be made continuously.

This feature is convenient when making a large number of prints continuously.

Operating conditions

- The paper is the same size.
- The paper is the same type.
- The paper is in the same orientation.

When making a large number of prints continuously, load all paper drawers with paper meeting the conditions listed above.

Order for selecting another paper drawer

When a different paper drawer is automatically selected, the next paper drawer in the following list is chosen.

First priority: 2nd drawer

Second priority: 3rd drawer

Third priority: 4th drawer

Fourth priority: 1st drawer

4.5 Loading Paper

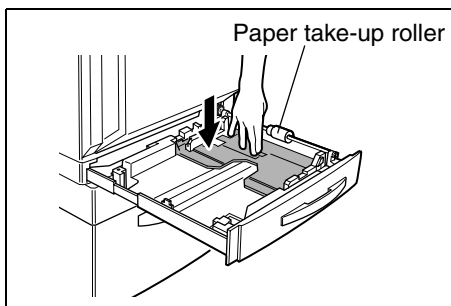
Loading Paper Into the 1st Drawer

- 1 Pull out the paper drawer for the 1st drawer.
- 2 Press down on the paper-lifting plate until it locks into place.



Note

Be careful not to touch the surface of the paper take-up roller with your hands.

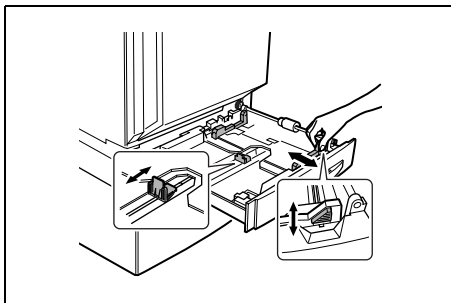


- 3 Slide the lateral guides to fit the size of paper to be loaded.

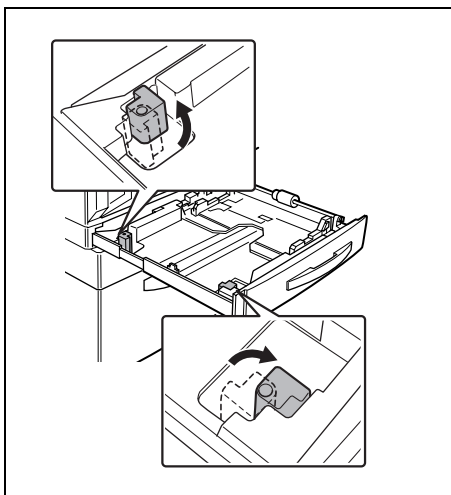


Note

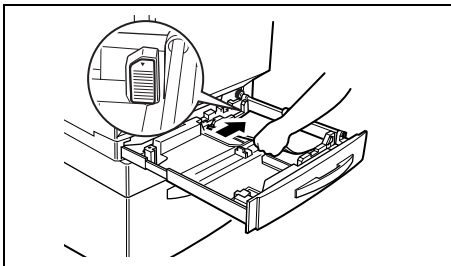
For paper of a non-standard size, first load the paper, and then adjust the lateral guides to the size of the loaded paper.



- 4 For "12.25 × 18" (A3 Wide) paper, adjust the trailing-edge guides as shown in the illustration.



- 5 Load the paper into the drawer so that the side of the paper to be printed onto (the side facing up when the package was unwrapped) faces up.
- 6 When making manual double-sided prints, load the paper so that the second side (the blank side) faces up.

**Note**

If the paper is curled, flatten it before loading it.

Do not load so much paper that the top of the stack is higher than the ▼ mark.

Do not load more than 21 sheets of special paper.

Before loading envelopes, press them down to make sure that all air is removed, and make sure that the folds of the flaps are firmly pressed, otherwise the envelopes may become wrinkled or a paper misfeed may occur.

When loading additional paper, remove any paper remaining in the drawer, place it on top of the new paper, and then align the paper in the stack well before loading it into the drawer. We recommend replenishing the paper only after all of the paper in the drawer has been used, otherwise a paper misfeed may occur.

**Tip**

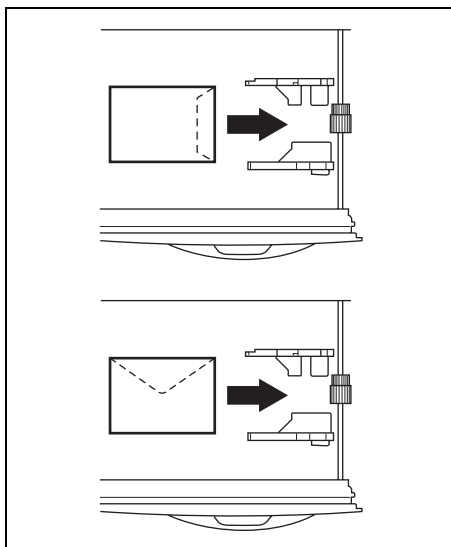
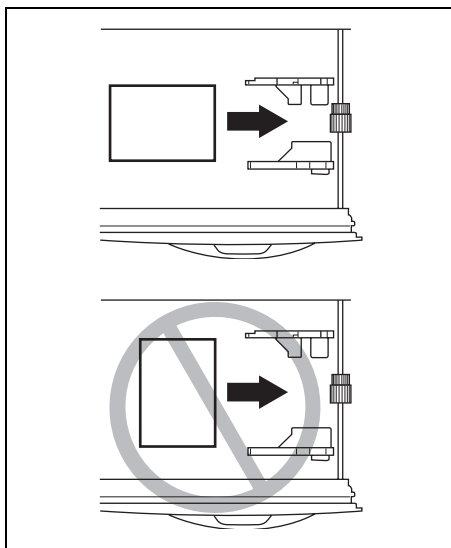
When loading 4 × 6 L (A6) cards, load them with the shorter side as the leading edge, as shown.

**Note**

Do not load 4 × 6 L (A6) cards crosswise, as shown.

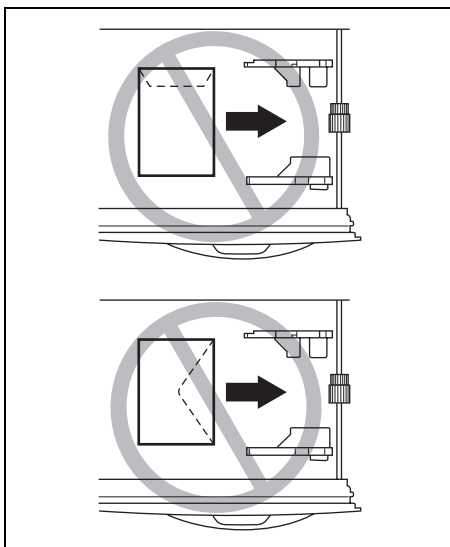
**Tip**

After pressing down the envelopes to make sure that all air is removed and making sure that the folds of the flaps are firmly pressed, load the envelopes with the shorter side as the leading edge and with the side to be printed on facing down, as shown in the illustration.

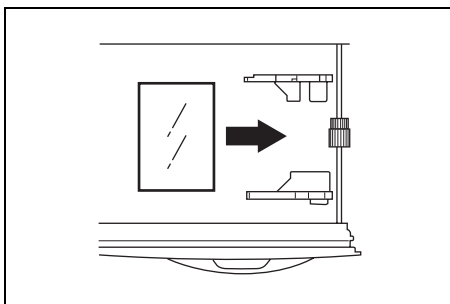


**Note**

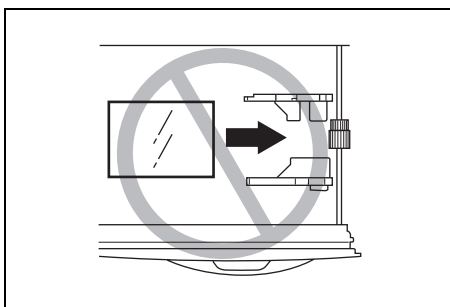
Do not load envelopes cross-wise, as shown.

**Tip**

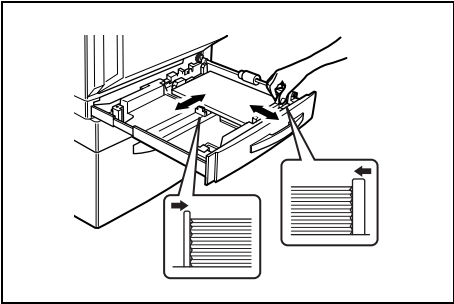
When loading overhead projector transparencies, load them with the longer side as the leading edge, as shown.

**Note**

Do not load overhead projector transparencies lengthwise.

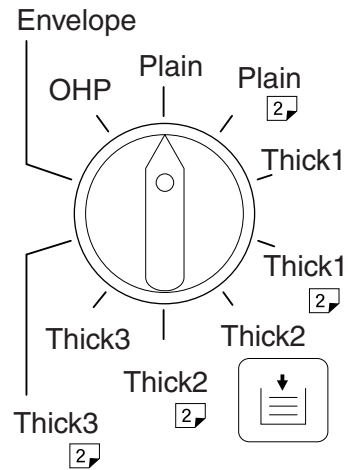


- 7 If paper of a non-standard size has been loaded, slide the lateral guides against the edges of the loaded paper.
- 8 Close the paper drawer.



- 9 Turn the media type selection dial to the setting for the type of paper loaded.

Setting	Paper Type	Notes
Plain	Plain paper	
Plain 	Second side of a double-sided print on plain paper	During manual double-sided printing
Thick1	Thick paper 1	
Thick1 	Second side of a double-sided print on thick paper 1	During manual double-sided printing
Thick2	Thick paper 2	
Thick2 	Second side of a double-sided print on thick paper 2	During manual double-sided printing
Thick 3	Thick paper 3	
Thick 3 	Second side of a double-sided print on thick paper 3	During manual double-sided printing
Envelope	Envelopes	
OHP	Overhead projector transparencies	



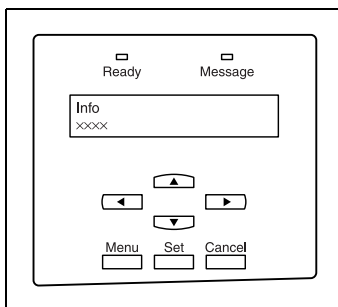
Tip

If postcards are loaded, set the media type selection dial to “Thick2”.

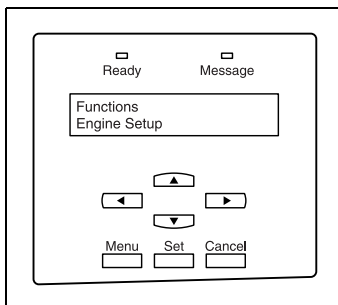
If label sheets are loaded, set the media type selection dial to “Thick1”.

Setting the Paper Size for the 1st Drawer

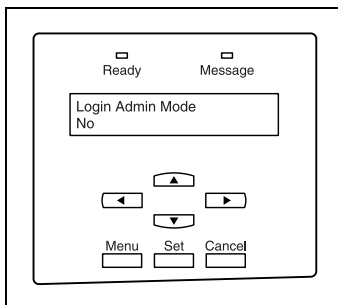
- 1 Check that “Info XXXX” appears in the display, and then press the [Menu] key in the printer panel.



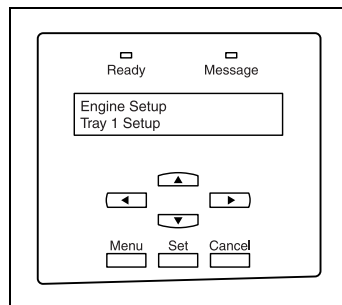
- 2 Press ▲ or ▼ until “Engine Setup” appears, and then press the [Set] key.



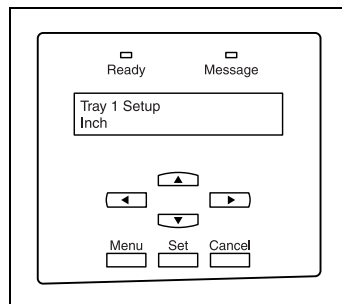
- 3 “Login Admin Mode” (login screen for the setting mode used by the technical representative) is displayed. Select “No” and press the [Set] key.



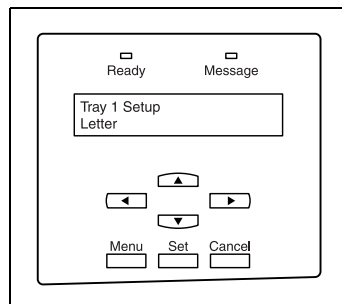
- 4 Check that “Tray 1 Setup” appears in the display window and press the [Set] key.



- 5 Press ▲ or ▼ and select either Auto, Inch, or Metric and press the [Set] key.



- 6 Press ▲ or ▼ until the desired paper size appears, and then press the [Set] key.

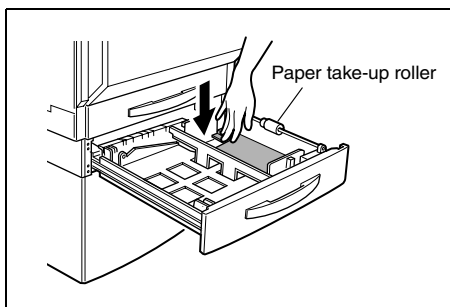


Loading Paper Into the 2nd Drawer or a Paper Feed Unit

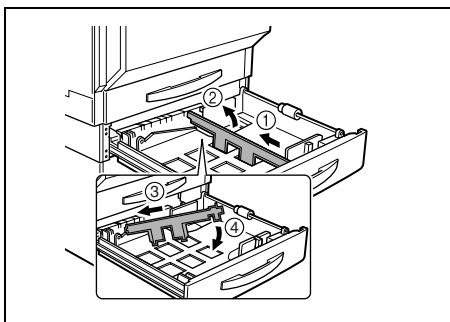
- 1 Pull out the paper drawer.
- 2 Press down on the paper-lifting plate until it locks into place.

**Note**

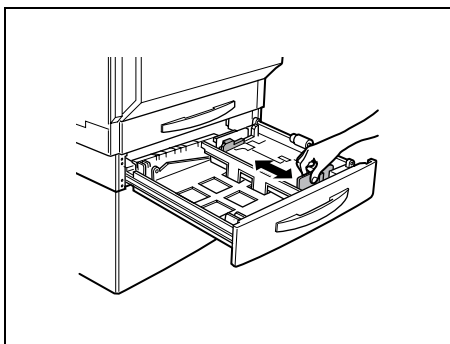
Be careful not to touch the surface of the paper take-up roller with your hands.



- 3 Remove the trailing-edge guide, and then re-install it for the size of paper to be loaded.



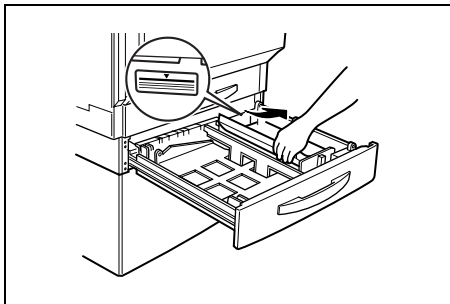
- 4 Slide the lateral guides to fit the size of paper to be loaded.



- 5 Load the paper into the drawer so that the side of the paper to be printed onto (the side facing up when the package was unwrapped) faces up.

**Note**

If the paper is curled, flatten it before loading it.



Do not load so much paper that the top of the stack is higher than the ▼ mark.

Paper other than plain paper cannot be fed from the 2nd drawer or optional paper feed units.

If you wish to make prints onto paper other than plain paper, feed it through the manual bypass tray or the 1st drawer.

When loading additional paper, remove any paper remaining in the drawer, place it on top of the new paper, and then align the paper in the stack well before loading it into the drawer. If the paper is not aligned well, a paper mis-feed may occur. We recommend replenishing the paper only after all of the paper in the drawer has been used.

- 6 Close the paper drawer.

Loading Paper Into the Large Capacity Cabinet

- 1 Pull out the paper drawer.
- 2 Load paper into the right side of the drawer so that the front side of the paper (the side facing up when the package was unwrapped) faces up.



Note

If the paper is curled, flatten it before loading it.

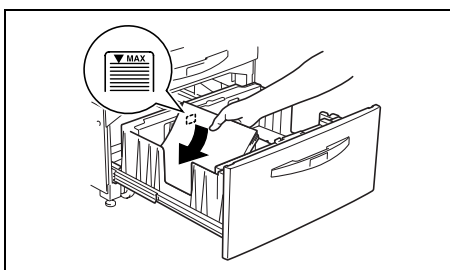
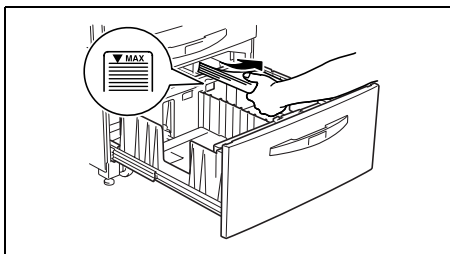
Do not load so much paper that the top of the stack is higher than the ▼ mark.

Paper other than plain paper cannot be fed from the large capacity cabinet. If you wish to make prints onto paper other than plain paper, feed it through the manual bypass tray or the 1st drawer.

The paper guide in the large capacity cabinet has been installed for Letter C (A4 C)-size paper. To use B5 C-size paper, consult your authorized service representative (for metric areas only).

When loading additional paper, remove any paper remaining in the drawer, place it on top of the new paper, and then align the paper in the stack well before loading it into the drawer. We recommend replenishing the paper only after all of the paper in the drawer has been used, otherwise a paper misfeed may occur.

- 3 Load paper into the left side of the drawer so that the front side of the paper (the side facing up when the package was unwrapped) faces up.

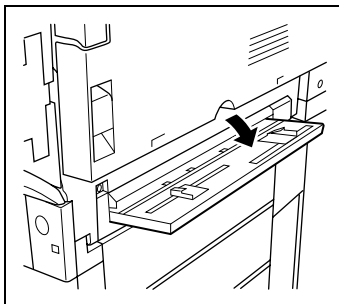


- 4 Close the paper drawer.

Loading Paper Into the Manual Bypass Tray

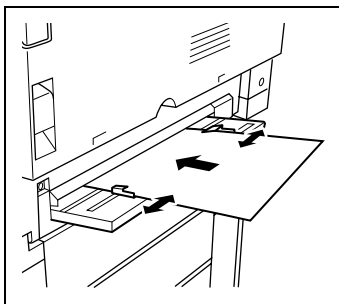
Paper can be fed manually through the manual bypass tray if you wish to print onto paper that is not loaded into a drawer, or if you wish to print onto special paper.

- 1 Open the manual bypass tray.
- 2 Prepare one sheet of the paper.



- 3 Load the paper into the manual bypass tray so that the front side of the paper (the side facing up when the package was unwrapped) faces down.

- When making manual double-sided prints, load the paper into the manual bypass tray so that the second side (the blank side) faces down.
- Prints will be made on the surface of the paper facing down when paper is loaded into the manual bypass tray.



**Tip**

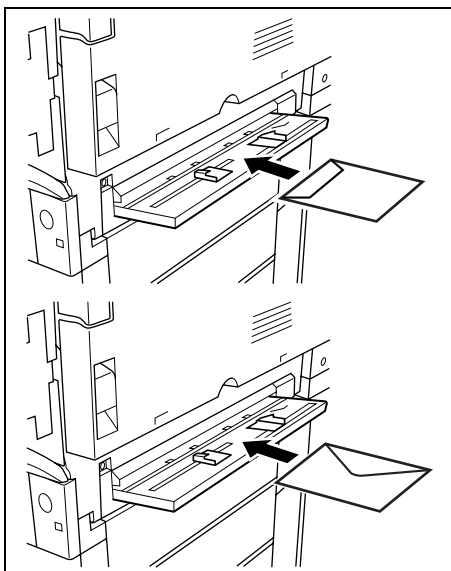
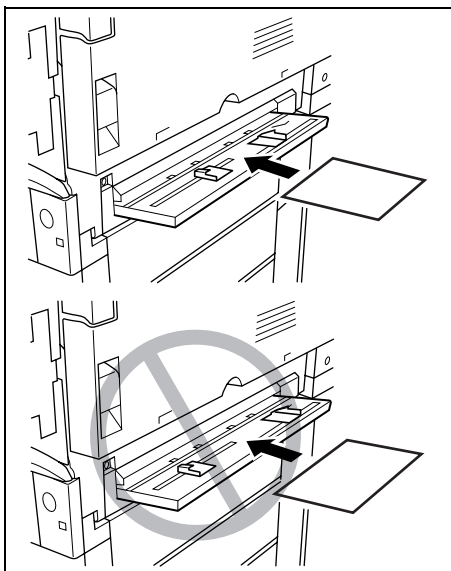
When loading 4 × 6 L (A6) cards, load them with the shorter side as the leading edge, as shown.

**Note**

Do not load 4 × 6 L (A6) cards crosswise, as shown.

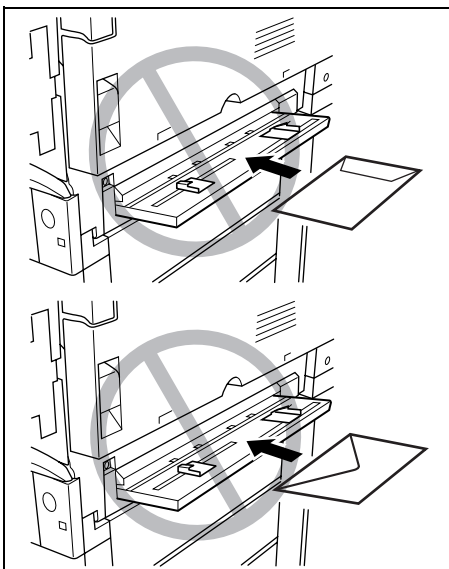
**Tip**

Before loading envelopes, press them down to make sure that all air is removed, and make sure that the folds of the flaps are firmly pressed, otherwise the envelopes may become wrinkled or a paper misfeed may occur. Load the envelopes with the shorter side as the leading edge and with the side to be printed on facing up, as shown in the illustration.

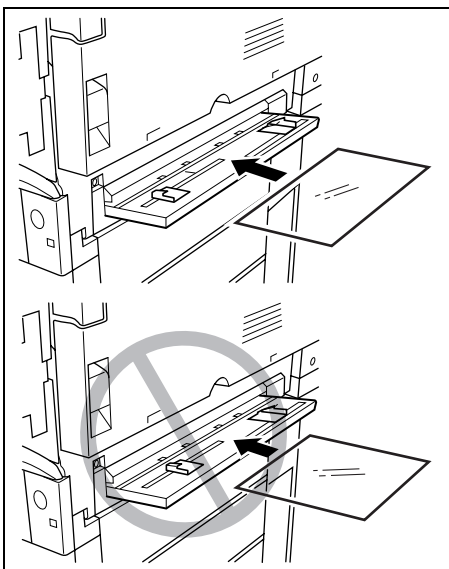


**Note**

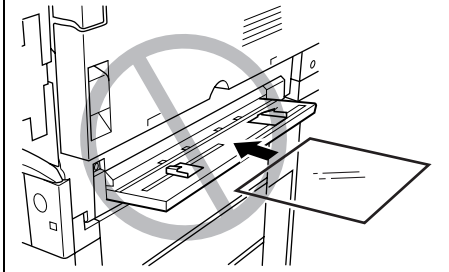
Do not load envelopes cross-wise, as shown.

**Tip**

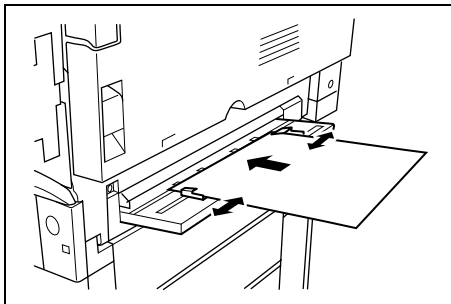
When loading Overhead Projector transparencies, load them with the longer side as the leading edge, as shown.

**Note**

Do not load Overhead Projector transparencies lengthwise, as shown.



- 4 Adjust the paper guides to fit the size of paper that is loaded.
- 5 Lightly slide the paper into the feed slot as much as possible so that the edge of the paper is fed into the printer.
 - Feed only one sheet of paper at a time.
- 6 Printing can begin.



5 Printer Panel Messages

5.1 Message List

When a message appears in the printer panel display, refer to the section for details about the message and the action to be taken.



Note

The display window only displays two lines of a message at one time. To view messages longer than two lines, press ▼ to display the next line of the message.

Message	Cause	Action
Check power of DT unit	Power is not being supplied to the DT-105.	Check that power is supplied to the DT-105.
Cover open at xx	The indicated cover is open.	Press ▼ once, check which cover is open, and then close it. • front p. 3-5, #7 • right side p. 3-5, #1 • left side p. 3-5, #13 • fusing unit p. 3-6, #1 • 2nd feed p. 3-5, #5 • 3rd feed p. 3-8, #2 • 4th feed p. 3-8, #3 • LCC feed p. 3-9, #11 • duplex p. 3-8, #1 • horizontal transport p. 3-8, #10, p. 3-9, #17 • finisher front p. 3-8, #5, p. 3-9, #12 • finisher upper p. 3-8, #7, p. 3-9, #15 • finisher tray 3 p. 3-9, #16 • finisher p. 3-8, p. 3-9 Correctly attach the finisher to the printer.
Load xx xx in xx	Paper of size xx and type xx is not loaded in the specified tray.	Load paper of size xx and type xx into the specified tray.
Load xx in xx	xx-size paper is not loaded into the specified tray.	Load xx-size paper into the specified tray.
Load xx OHP in tray1	xx-size overhead projector transparencies is not loaded into tray 1.	Load xx-size overhead projector transparencies into tray 1.
Load xx Thick 1 in tray1	xx-size thick paper 1 is not loaded into tray 1.	Load xx-size thick paper 1 into tray 1.

Message	Cause	Action
Low-power mode	The printer has entered Energy Saver mode.	- To cancel Energy Saver mode, send a print job, or open and close a cover. - To change the time for the printer to enter Energy Saver mode, see <i>"To set the Engine Setup Items" on page 3-13</i>.
Near trouble ## / ##	Some malfunction occurred in the printer.	Contact your technical representative and inform them of the error code. (See p. 5-46)
No staples	The staples have run out.	Replace the staple cartridge. (See p. 5-8)
No xxxx toner Call service	The toner for the indicated color is empty.	Ask your technical representative to replace the toner cartridge for the indicated color.
No xxxx toner Please change	The toner for the indicated color is empty.	Replace the toner cartridge for the indicated color. (See p. 5-4)
Paper jam at Jx	A paper jam or staple jam occurred at the indicated location.	Remove the jammed paper or the jammed staple. (See p. 5-16)
Punch dust full Call service	The hole-punch waste container is full.	Ask your technical representative to empty it.
Punch dust full Please change	The hole-punch waste container is full.	Please empty it. (See p. 5-42)
Service Code Cxxxx	An error occurred.	Contact your technical representative and inform them of the error code. (See p. 5-44)
Sleep mode	The printer has entered Sleep mode.	- To cancel Sleep mode, send a print job, or open and close a cover. - To change the time for the printer to enter Sleep mode, see <i>"To set the Engine Setup Items" on page 3-13</i>.
The guides in tray # not set right	The size of the paper loaded into tray # is incorrect.	Load paper of an appropriate size into tray #.
To print, clear 1st tray	The upper paper output tray of the finisher is full of paper.	Remove paper from the upper paper output tray.
To print, clear elevator tray	The lower paper output tray of the finisher is full of paper.	Remove paper from the lower paper output tray.
Waste toner full Call service	The waste toner bottle is full.	Ask your technical representative to replace the waste toner bottle.
Waste toner full Please change	The waste toner bottle is full.	Replace the waste toner bottle.
Waste toner nearly full	The waste toner bottle will soon be full.	Replace the waste toner bottle as soon as possible.
Waste toner bottle not set	The waste toner bottle is not installed.	Install the waste toner bottle.

Message	Cause	Action
xxxx toner nearly empty	The toner for the indicated color will soon be empty.	Prepare to replace the toner cartridge with a new one.
xxxx unit near life limit	The indicated unit will soon reach the end of its life.	Replace the indicated unit. (See p. 5-45.)
xxxx unit not set	The indicated unit is not installed.	Install the indicated unit.

5.2 When the Message “No xxxx toner Please change” Appears

Messages and Actions

The toner for the indicated color is empty. Replace the toner cartridge with a new one as described in the maintenance agreement.



CAUTION

Be careful not to spill toner inside the printer or get toner on your clothes or hands.

- If your hands become soiled with toner, immediately wash them with soap and water.
- If toner gets in your eyes, immediately flush them with water, and then seek professional medical attention.



CAUTION

Used toner cartridges

- In order to prevent the used toner cartridge from dirtying anything, keep it in the box.
- Dispose of the used toner cartridge according to your local regulations.



WARNING

Handling toner and the toner cartridge

- Do not throw toner or the toner cartridge into a fire. Toner expelled from the fire may cause burns.

To replace the toner cartridge

The procedure for replacing any of the toner cartridges (yellow (Y), magenta (M), cyan (C) or black (Bk)) is the same.

The following procedure describes the replacement of the yellow toner cartridge as an example.

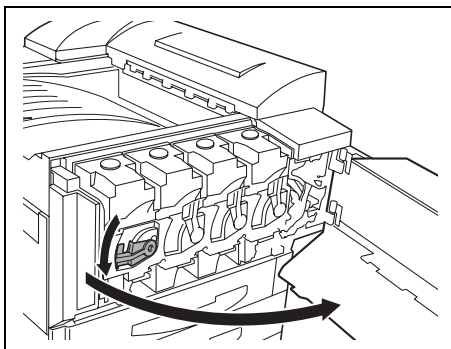


Note

Be careful since the installation location of toner cartridges for other colors is different.

- 1 Open the front door, and then turn counterclockwise the lever for the toner cartridge that you wish to replace.

For example: If the yellow toner is empty, turn the lever for the yellow toner cartridge.



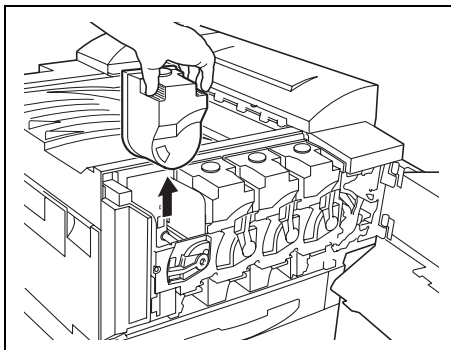
- 2 Pull out the empty toner cartridge.



Note

In order to prevent the used toner cartridge from dirtying anything, keep it in the box.

Dispose of the used toner cartridge according to your local regulations.



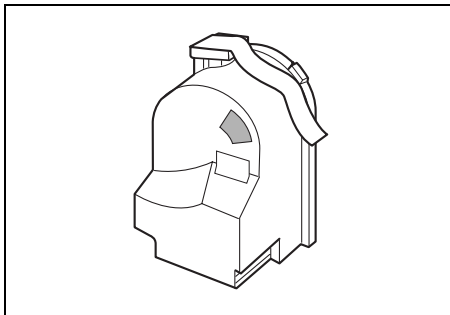
3 Prepare the new toner cartridge.

- Make sure that the color of the toner cartridge is the same color as the lever.



Note

Do not install the toner cartridge of a color different than the one that was removed, otherwise the machine may be damaged.

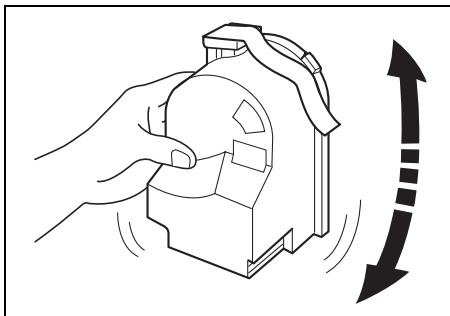


4 Shake the new toner cartridge well.



Note

The toner within the toner cartridge may have become compacted. If it has, be sure to shake the toner cartridge until the toner is mostly broken up before installing the cartridge.

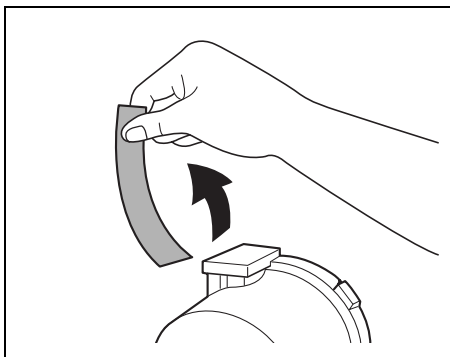


5 Peel off the tape.

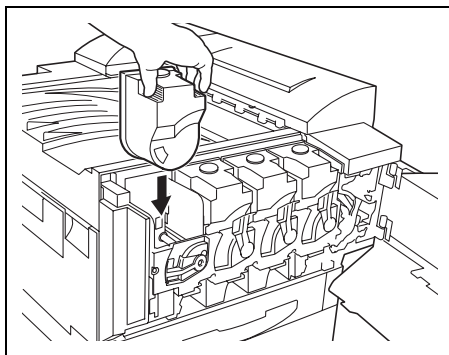


Note

Slowly remove the tape attached to the toner cartridge. If the tape is removed with too much force, toner may spurt out.



- 6 Position the toner cartridge as shown, and then insert it into its compartment.

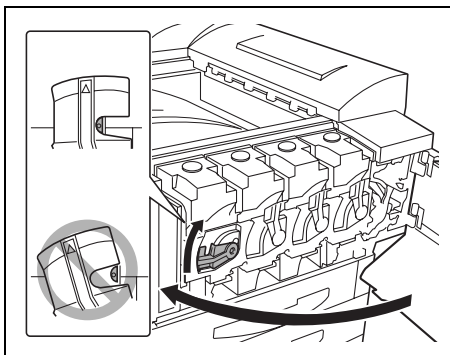


- 7 Turn the lever clockwise.



Note

Make sure that the lever is fully turned, as shown, otherwise the front door cannot be closed.



- 8 Slowly pull out the charger-cleaning tool as far as possible, and then slowly push in the charger-cleaning tool as much as possible.

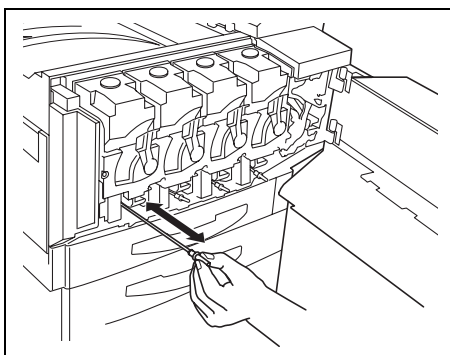
Repeat this step three times.

- 9 Securely insert each charger-cleaning tool, and then close the front door.



Note

If the door cannot be closed securely, the lever may not be in its correct position. Make sure that the lever is fully turned.



5.3 When the Message “No Staples” Appears

When finisher FN-116 or FN-8 is installed and is about to run out of staples, the message shown above appears.

Follow the procedure below to replace the staple cartridge.

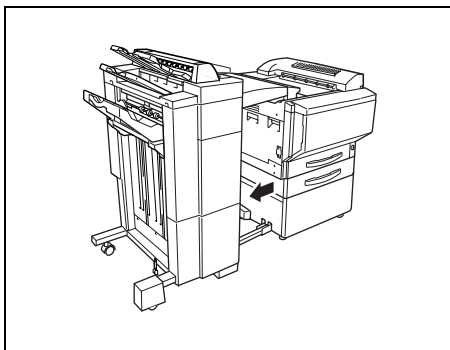


Note

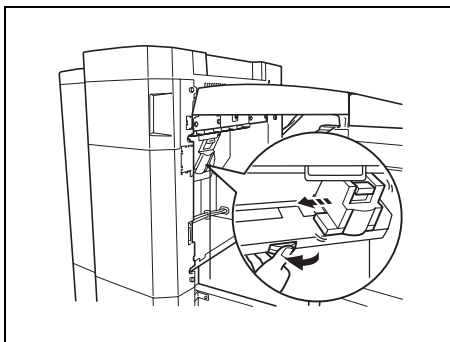
Be sure to replace the staple cartridge only after the message appears, otherwise the machine may be damaged.

To replace the staple cartridge for FN-116

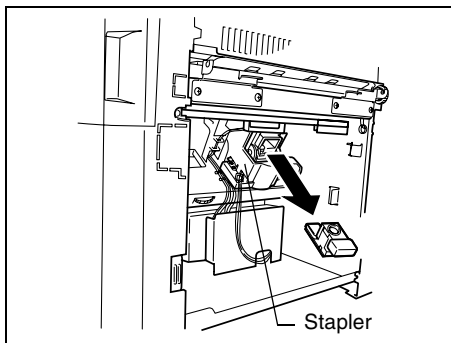
- 1 Slide the finisher away from the printer.



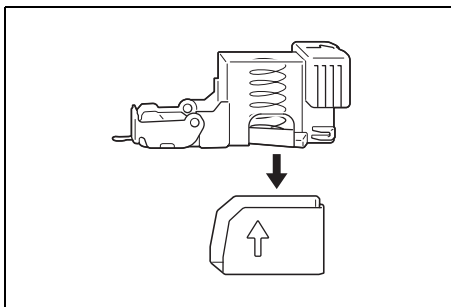
- 2 Turn the dial to the left in order to position the stapler at the center.



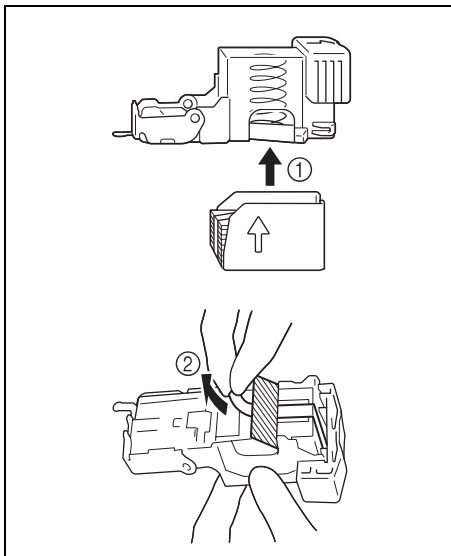
- 3 Pull the staple holder out toward you.



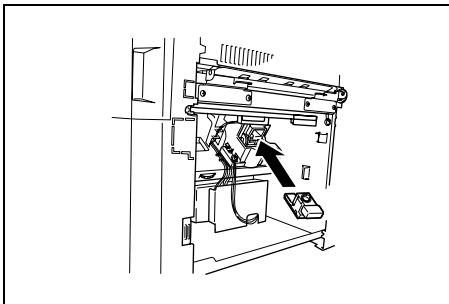
- 4 Remove the empty staple cartridge.



- 5 Insert the new staple cartridge into the staple holder, and then carefully pull out the stopper.



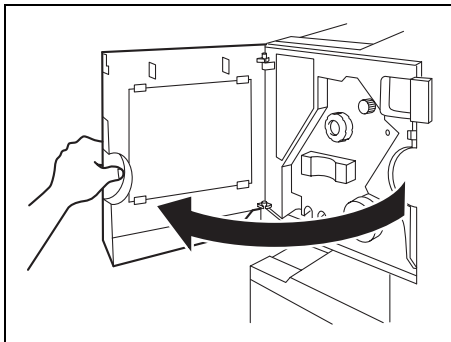
- 6 Insert the refilled staple holder until it locks into place.
- 7 Slide the finisher back against the printer.



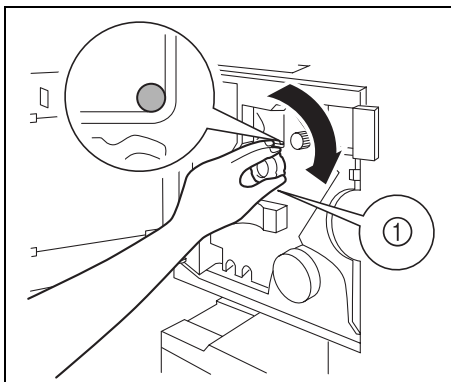
To replace the staple cartridge for FN-8**Note**

Be sure to replace the staple cartridge only after the message appears, otherwise the machine may be damaged.

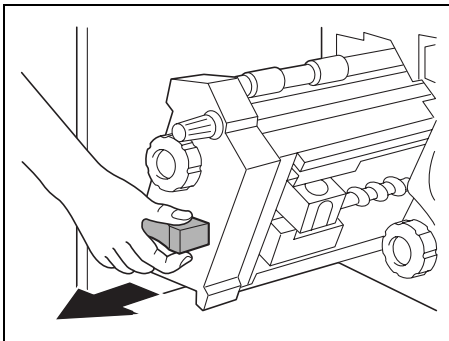
- 1 Open the front door of the finisher.



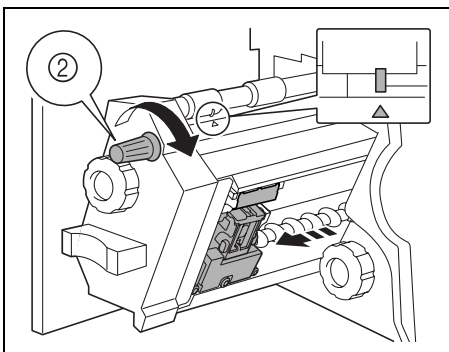
- 2 Turn misfeed-clearing dial ① clockwise until the removal indicator is completely blue.
 - If the dial is turned too far, turn it counterclockwise to adjust it.



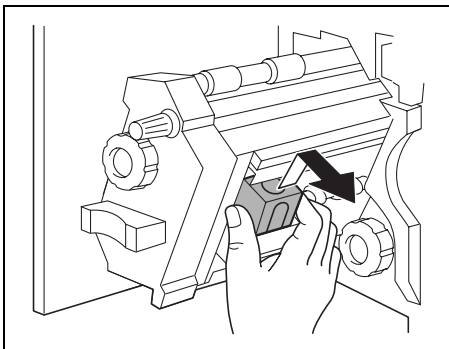
- 3 Slowly pull out the stapler unit as far as possible.



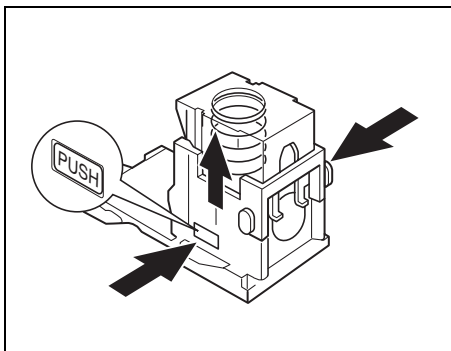
- 4 Turn dial ② clockwise until the staple cartridge moves to a position from where it can be removed.
- If the dial is turned too far, turn it counterclockwise to adjust it.



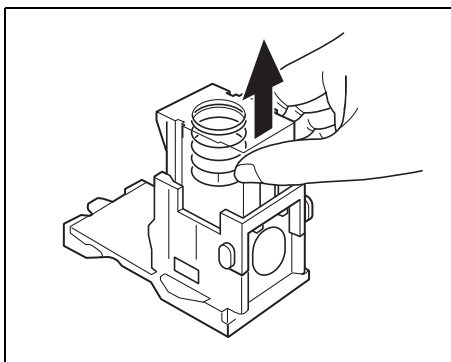
- 5 Grasp both sides of the staple cartridge, lift up the staple cartridge, and then pull it out.



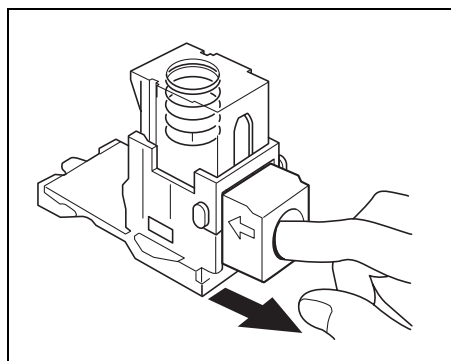
- 6** Press the button marked “PUSH” on the side of the staple cartridge.
- The staple case is released.



- 7** Pull up the staple case.

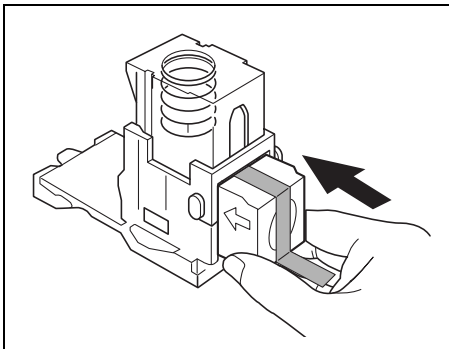


- 8** Remove the paper holder from the staple case.

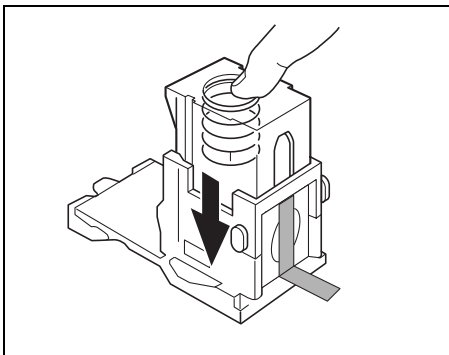


9 Refill the staple case with staples.

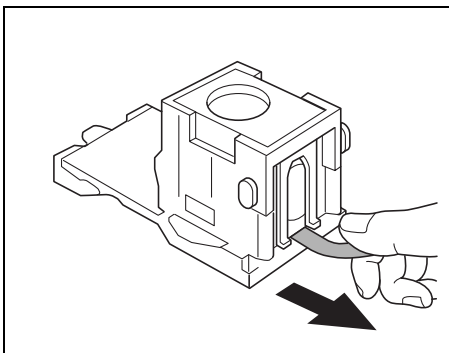
- Fully insert the staple case as far as possible.



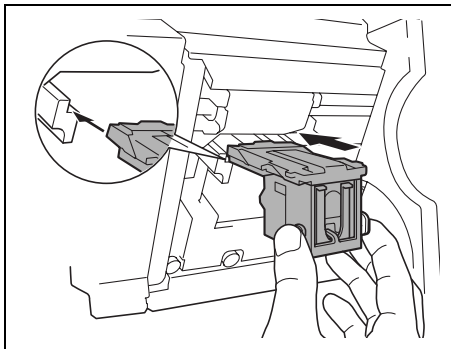
10 Press the staple case down.



11 Peel off the tape from the staples.



- 12** Insert the staple cartridge, making sure the tabs on the cartridge slide along the rails in the compartment.

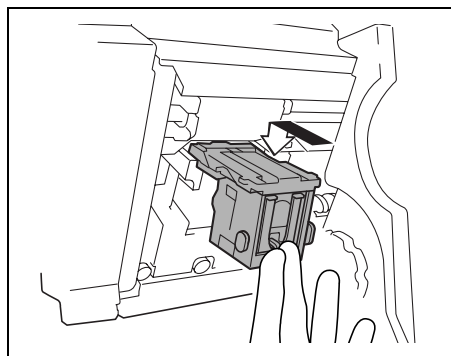


- 13** Fully insert the staple cartridge so that it locks into place.

- Check that the staple cartridge is firmly installed.

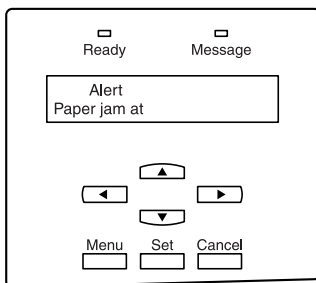
- 14** Carefully move the stapler unit back into its original position.

- 15** Close the front door.

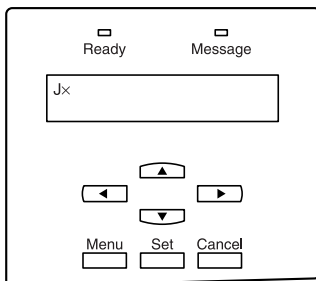


5.4 When the Message “Paper jam at Jx” Appears

If a paper misfeed or a staple jam occurs during printing, the message shown below appears.



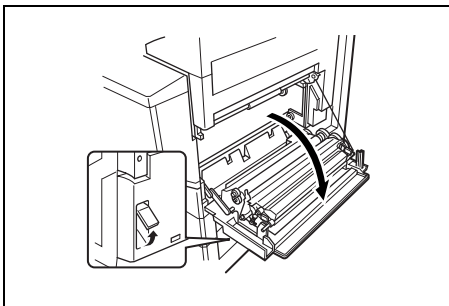
Press ▼ once and check where the paper misfeed occurred.



Follow the procedure below to clear the misfed paper or the jammed staples.

To clear a paper misfeed in the manual bypass tray

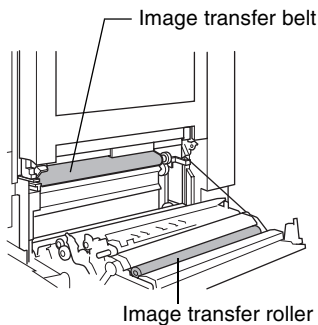
- 1 Pull up the lock release lever to open the right-side door.

**CAUTION**

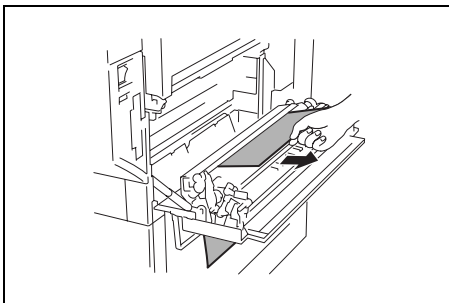
Decreased print quality may result if the surface of the image transfer belt or the image transfer roller is touched.



→ Be careful not to touch the surface of the image transfer belt or the image transfer roller.

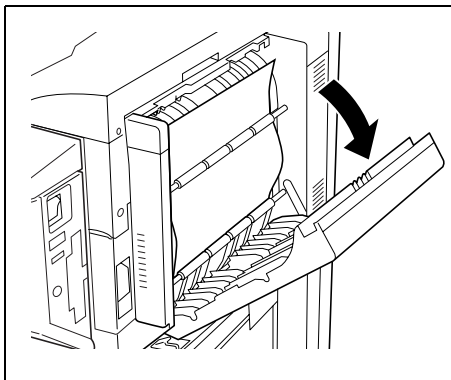


- 2 Carefully pull out the paper.
- 3 Close the right-side door.

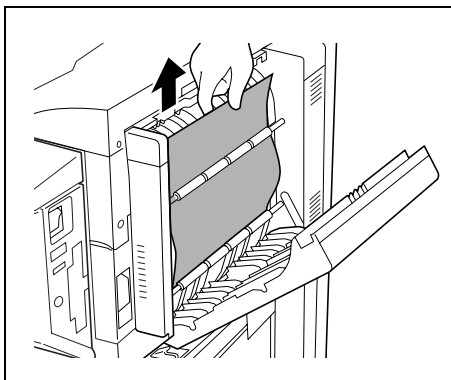


To clear a paper misfeed in the duplex unit

- 1 Open the duplex unit door.

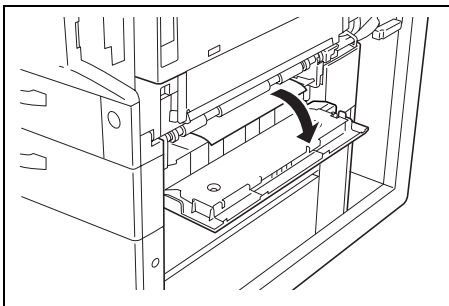


- 2 Carefully pull out the paper.
- 3 Close the duplex unit door.

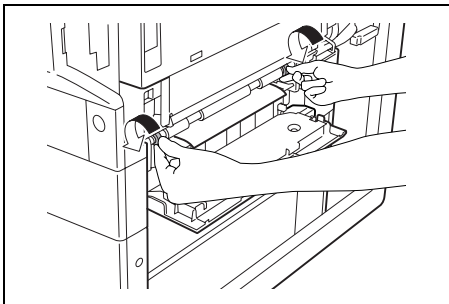


To clear a paper misfeed in the paper drawer

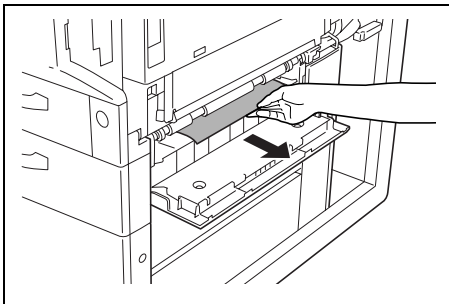
- 1 Open the lower right-side door of the paper drawer begin used.



- 2 Turn the green wheels to feed the paper so that it can be easily removed.



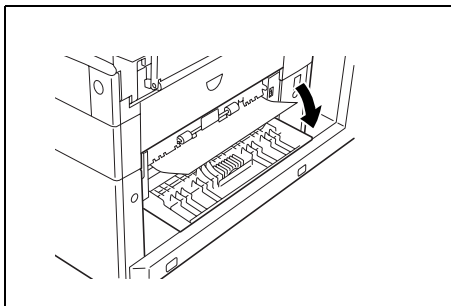
- 3 Carefully pull out the paper.
- 4 Close the lower right-side door.



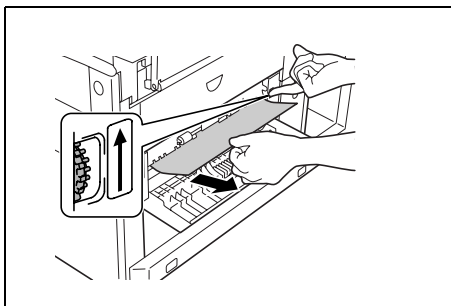
- 5 Pull out the paper drawer, and then remove any misfed paper.
- 6 Close the paper drawer.

To clear a paper misfeed in the large capacity cabinet

- 1 Open the right-side door of the large capacity cabinet.



- 2 Turn the green dial in the direction of the arrow to feed out the paper.
- 3 Carefully pull out the paper.



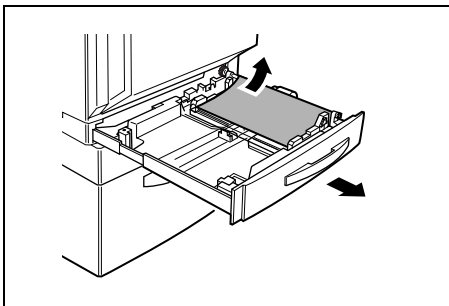
- 4 Close the right-side door of the large capacity cabinet.
- 5 Pull out the paper drawer of the large capacity cabinet, and then remove any misfed paper.
- 6 Close the paper drawer of the large capacity cabinet.

To clear a paper misfeed inside the printer

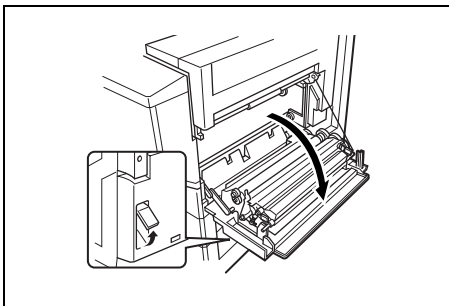
- 1 Pull out the paper drawer being used, and then remove any paper remaining in the drawer.
- 2 Load the paper in the drawer again, and then close the drawer.

**Note**

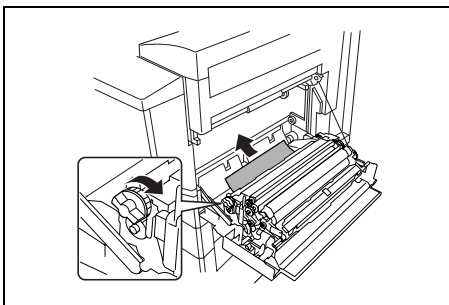
Be careful not to touch the surface of the paper take-up roller with your hands.



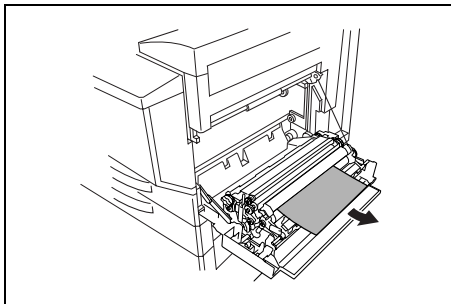
- 3 Pull up the lock release lever to open the right-side door.



- 4 Turn the knob on the inside of the right-side door clockwise to feed out the paper.



- 5 Pull out any paper caught in the image transfer roller section.

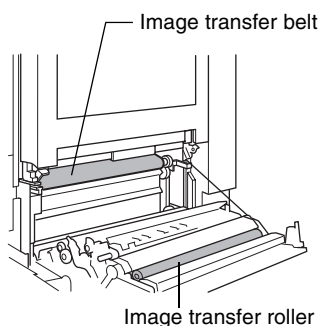


CAUTION

Decreased print quality may result if the surface of the image transfer belt or the image transfer roller is touched.



→Be careful not to touch the surface of the image transfer belt or the image transfer roller.



Note

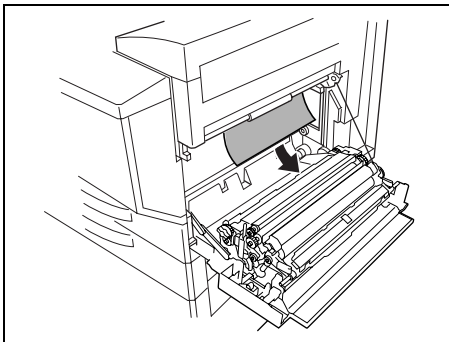
If the paper is caught as described below, contact your technical representative.

The paper is wrapped around the roller in the image transfer roller.

The paper is folded or shredded by the roller in the image transfer roller.

The paper that was removed tore and remains in the fusing unit.

- 6 Pull out any paper caught in the fusing unit.

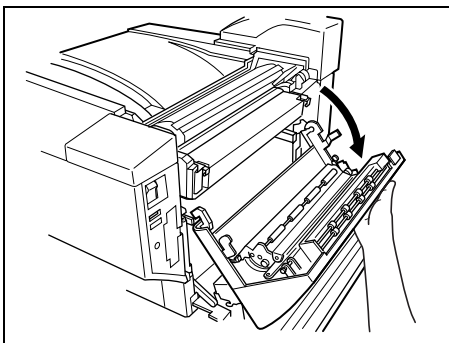


- 7 Grasp the upper right-side door as shown, and then carefully open the door completely while making sure to support it.



Note

Be sure to support the door while carefully opening it, otherwise it may be damaged.



- 8 While moving the green lever on the inside of the upper right-side door in the direction of the arrow, carefully pull out the paper.

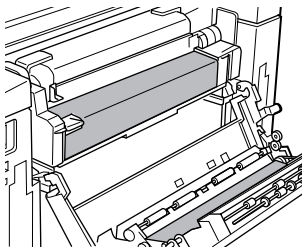


**CAUTION**

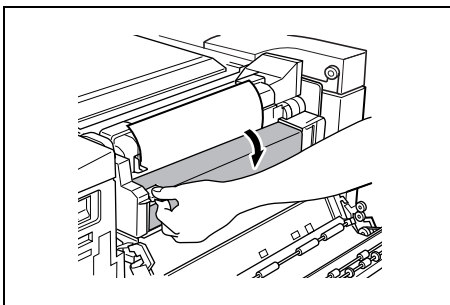
The area around the fusing unit is extremely hot.



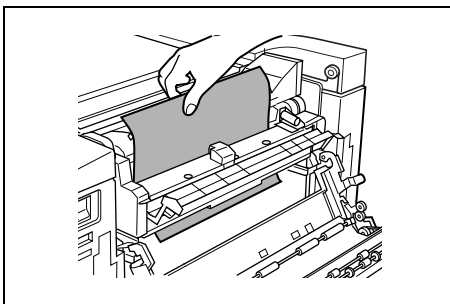
→ Touching anything other than the indicated parts may result in burns. If you get burnt, immediately cool the skin under cold water, and then seek professional medical attention.



- 9** Grasp the tab on the left end of the fusing unit cover, and then swing the cover toward you to open it.



- 10** Pull out any paper caught in the fusing unit.



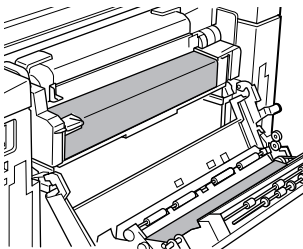


CAUTION

The area around the fusing unit is extremely hot.



→Touching anything other than the indicated levers and dials may result in burns. If you get burnt, immediately cool the skin under cold water, and then seek professional medical attention.



Note

If the paper is caught as described below, contact your technical representative.

The paper is wrapped around the fusing unit.

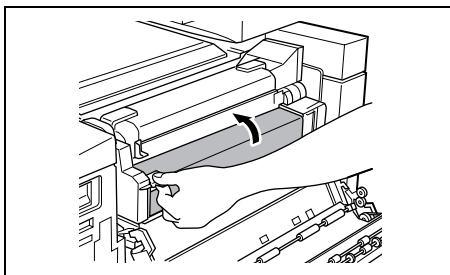
The paper is folded or shredded by the fusing unit.

The paper that was removed tore and remains in the fusing unit.

11 Grasp the tab on the left end of the fusing unit cover, and then return the cover to its original position.

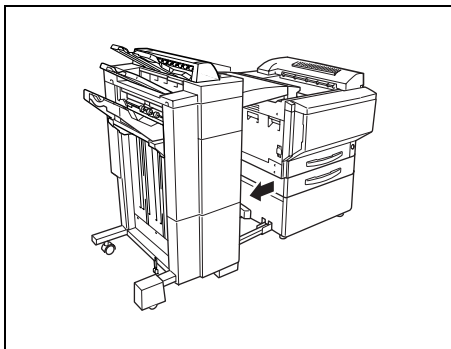
12 Close the upper right-side door.

13 Close the right-side door.

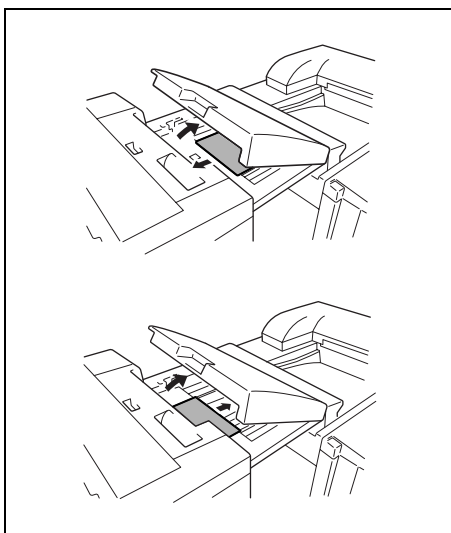


To clear a paper misfeed in finisher FN-116

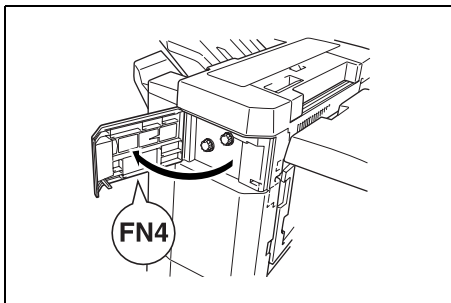
- 1 Slide the finisher away from the printer.



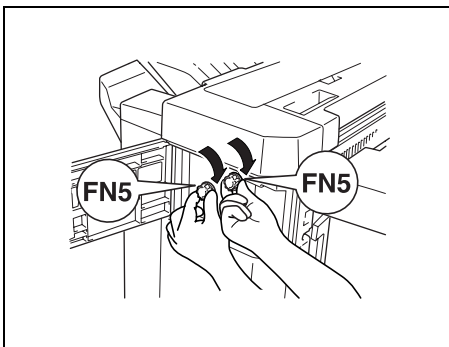
- 2 Open the horizontal transport unit cover, and then remove any paper.
- 3 Close the horizontal transport unit cover.



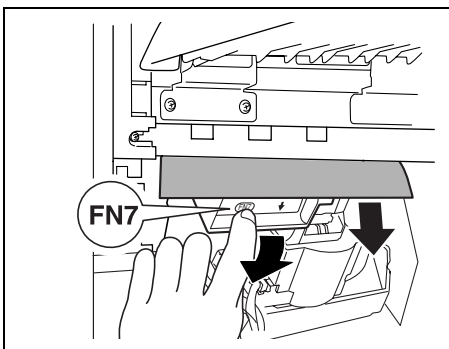
- 4 Open front door FN4.



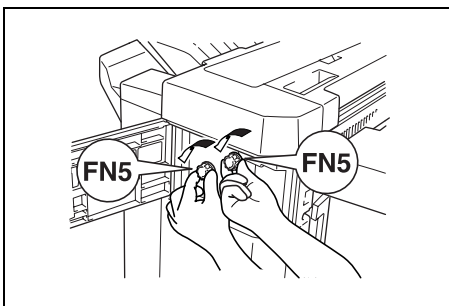
- 5 Turn knobs FN5 clockwise at the same time.



- 6 While holding the misfeed-clearing guide FN7 open, pull out any paper.

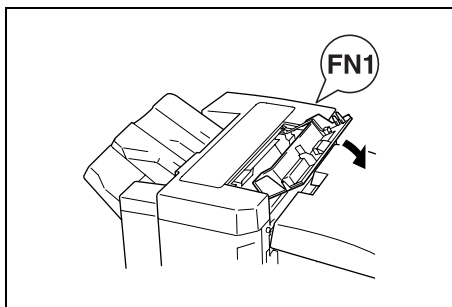


- 7 When the paper can be seen from the print output tray, turn knobs FN5 counterclockwise at the same time to feed out any paper.



- 8 Close front door FN4.

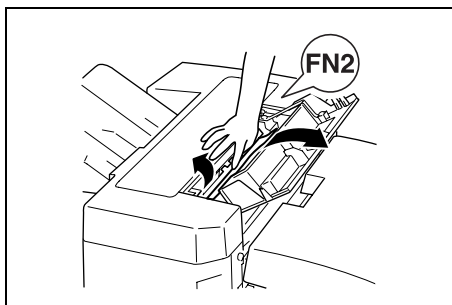
- 9 Open upper cover FN1.

**CAUTION**

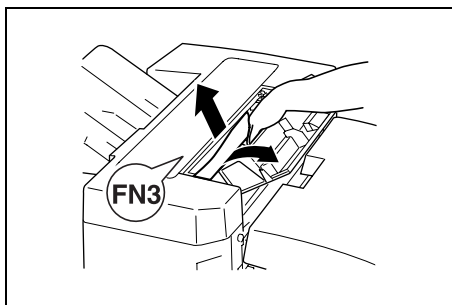
Metallic parts on the inside of upper cover FN1 are very hot.

- Touching anything other than the paper within the area around the fusing unit may result in burns.

- 10 While holding misfeed-clearing guide FN2 open, pull out any paper.



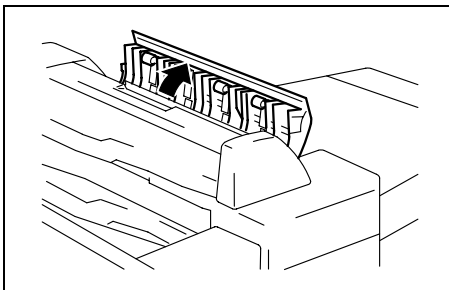
- 11 While holding misfeed-clearing guide FN3 open, pull out any paper.



- 12 Close upper cover FN1.
- If the Option tray is not installed, skip to step 16.

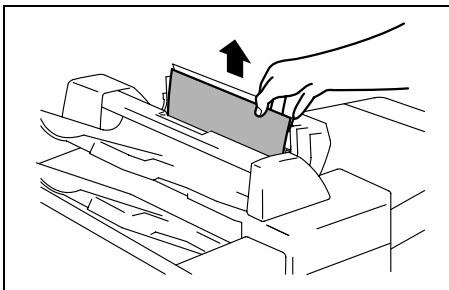
13 If the Option tray is installed:

Open the Option tray.



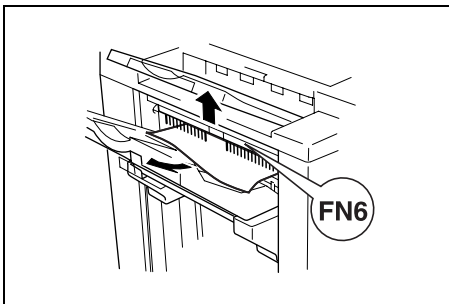
14 Remove any misfed paper.

15 Close the Option tray.



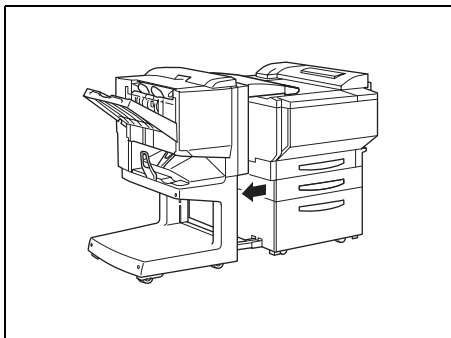
16 While holding misfeed-clearing guide FN6 open, pull out any paper.

17 Slide the finisher back against the printer.

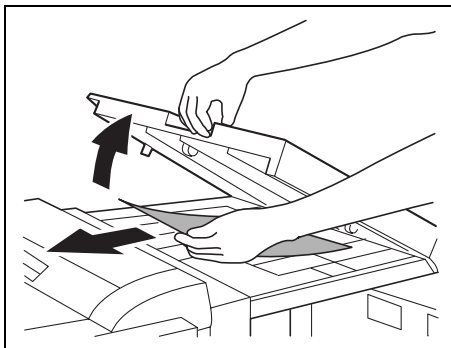


To clear a paper misfeed in finisher FN-8

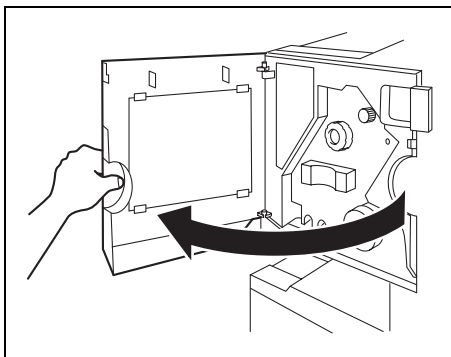
- 1 Slide the finisher away from the printer.



- 2 Open the cover of the horizontal transport unit.



- 3 Remove any paper, and then close the cover of the horizontal transport unit.



- 4 Open the front door of the finisher.

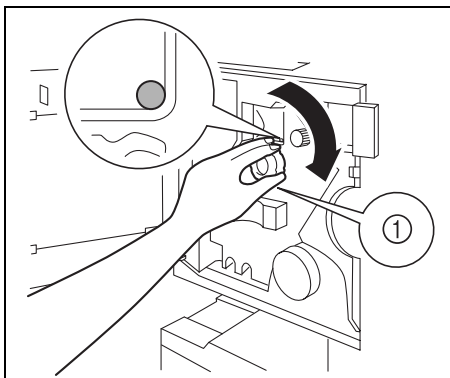
- 5 Turn misfeed-clearing dial ① clockwise until the removal indicator is completely blue.

- If the dial is turned too far, turn it counterclockwise to adjust it.

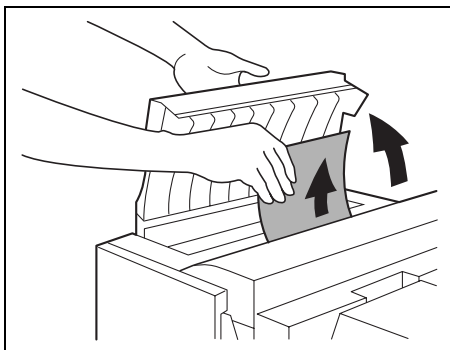


Note

Be sure to perform these steps. If the paper is pulled out with too much force without performing these steps, the finisher may be damaged.

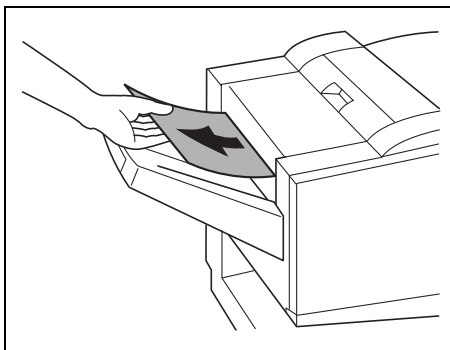


- 6 Open the upper door of the finisher, and then pull out any paper in the feed section.

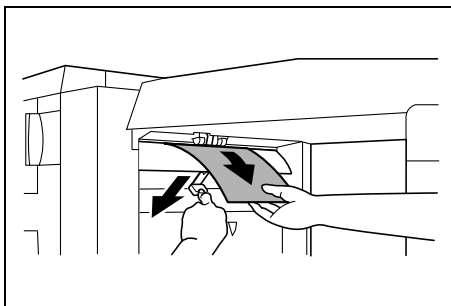


- 7 Close the upper door.

- 8 Pull out any paper fed into the output tray.



- 9 Open the feed guide for the finisher, and then remove any paper.



- 10 Open the transport guide, and then pull out any paper in the transport section.

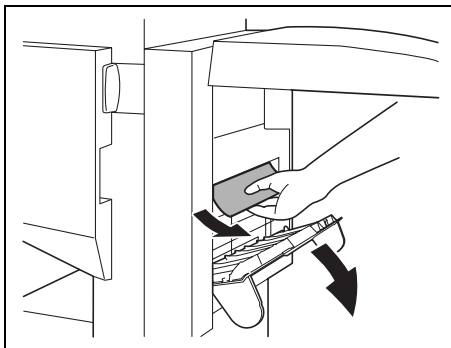


Note

If the paper cannot easily be pulled out, stop trying to pull it out.

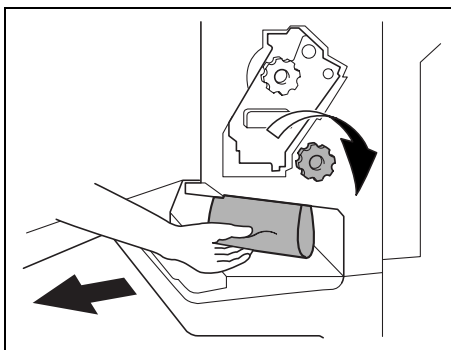
Pulling out the paper with too much force may damage the folding unit.

If the paper cannot be pulled out easily, turn the misfeed-clearing dial in the folding section as described in the following step, and then pull out the paper.



- 11 If the paper could not be removed in step 10, turn the misfeed-clearing dial in the folding section clockwise.

Feed the paper into the lower paper output tray, and then pull it out.

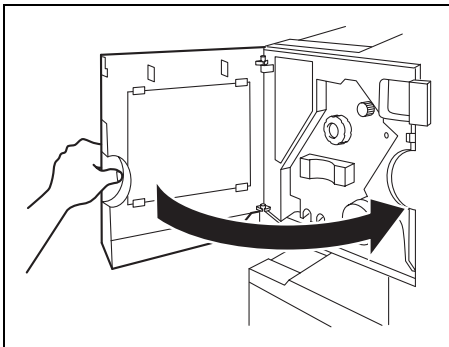


12 Close the front door of the finisher.



Note

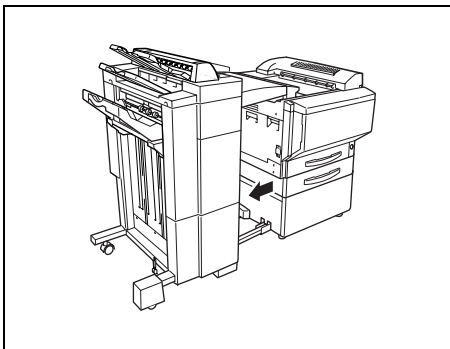
Be careful that your fingers are not pinched when the front door is closed.



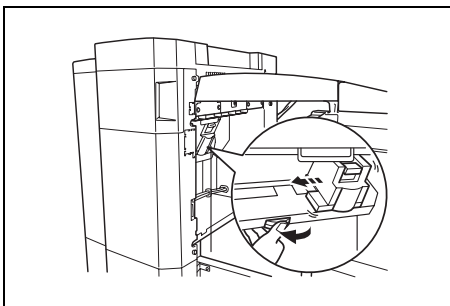
13 Slide the finisher back against the printer.

To clear jammed staples in FN-116

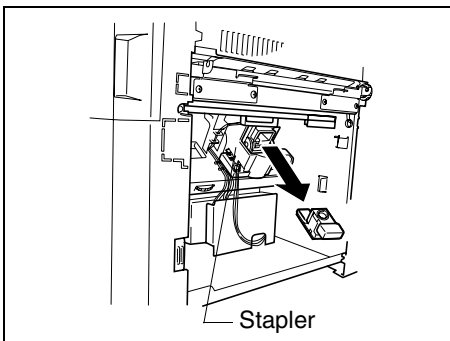
- 1 Slide the finisher away from the printer.



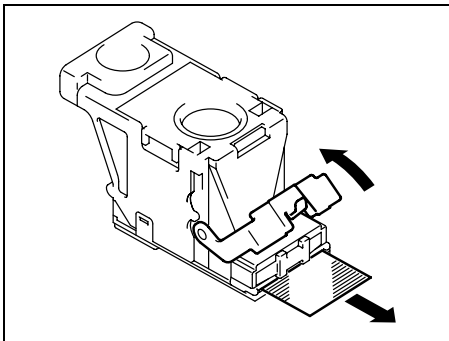
- 2 Turn the dial to the left in order to position the stapler at the center.



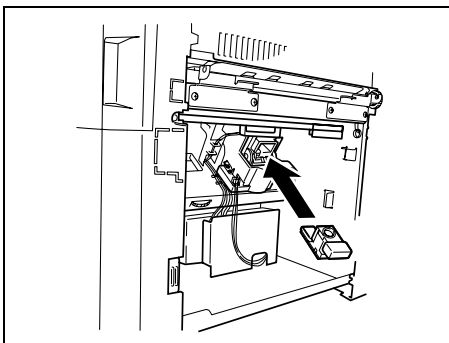
- 3 Pull the staple holder out toward you.



- 4 Push the staple holder guide up, and then pull out one sheet of staples.
- 5 Move the guide back to its original position.



- 6 Insert the staple holder until it locks into place.



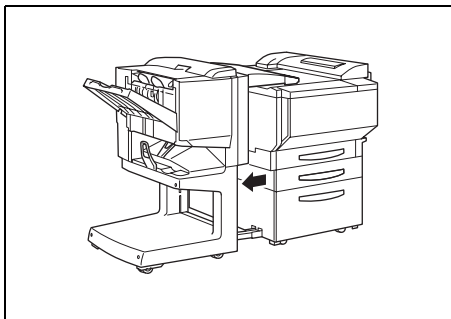
- 7 Slide the finisher back against the printer.

**Note**

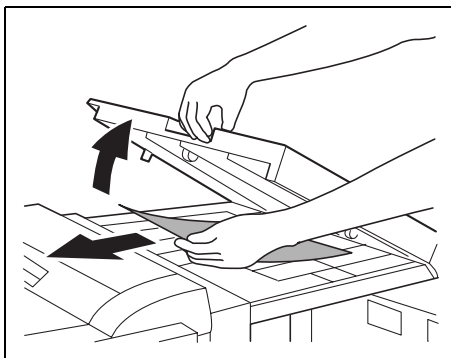
If stapling still cannot be performed, even after performing the above procedure, contact your technical representative.

To clear jammed staples in FN-8

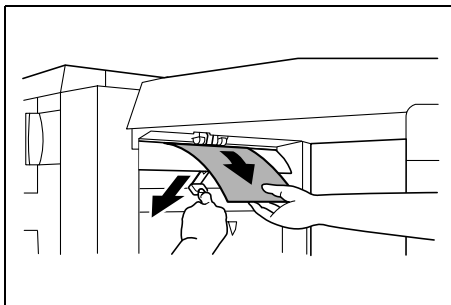
- 1 Slide the finisher away from the printer.



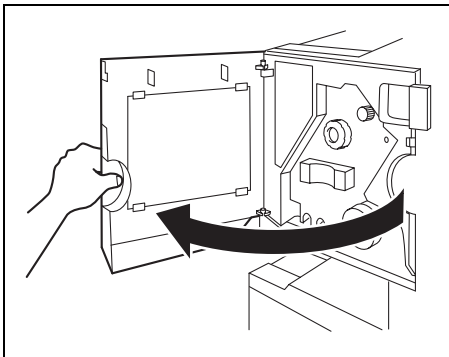
- 2 Open the cover of the horizontal transport unit.
- 3 Remove any paper, and then close the cover of the horizontal transport unit.



- 4 Open the feed guide for the finisher, and then remove any paper.



- 5 Open the front door of the finisher.

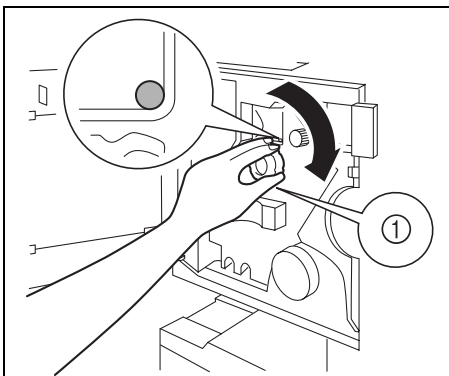


- 6 Turn misfeed-clearing dial ① clockwise until the removal indicator is completely blue.
- If the dial is turned too far, turn it counterclockwise to adjust it.

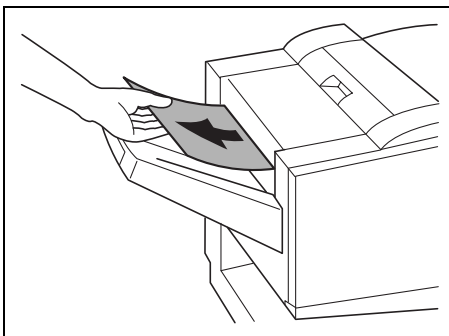


Note

Be sure to perform these steps. If the paper is pulled out with too much force without performing these steps, the finisher may be damaged.



- 7 Pull out any paper fed into the output tray.

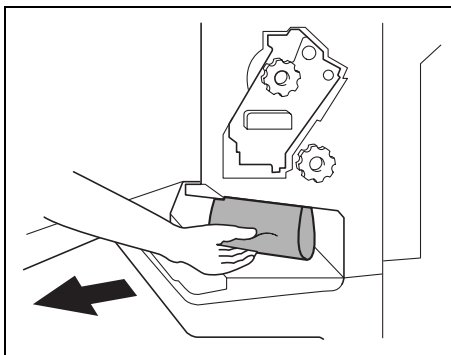


- 8 Open the transport guide, and then pull out any paper in the transport section.

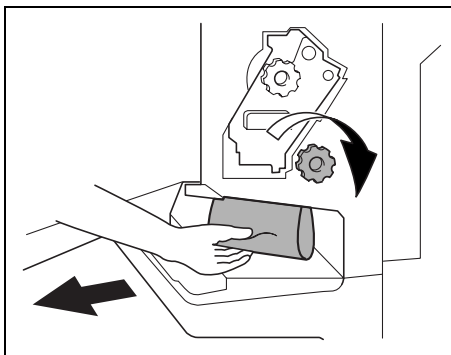
**Note**

If the paper cannot easily be pulled out, stop trying to pull it out. Pulling out the paper with too much force may damage the folding unit.

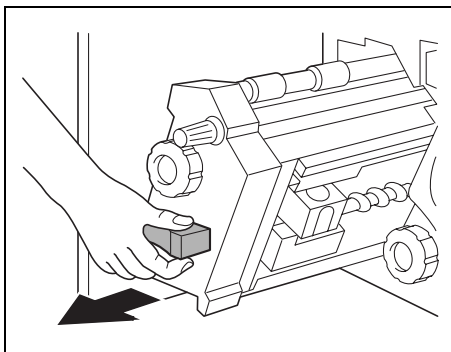
If the paper cannot be pulled out easily, turn the misfeed-clearing dial in the folding section as described in the following step, and then pull out the paper.



- 9 Turn the misfeed-clearing dial in the folding section clockwise. Feed out into the lower output tray the paper that could not be fed out in step 8, and then pull out the paper.

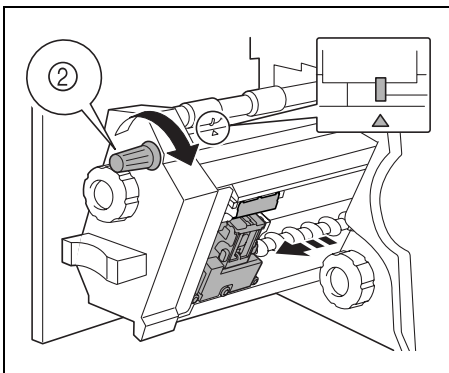


- 10 Slowly pull out the stapler unit as far as possible.

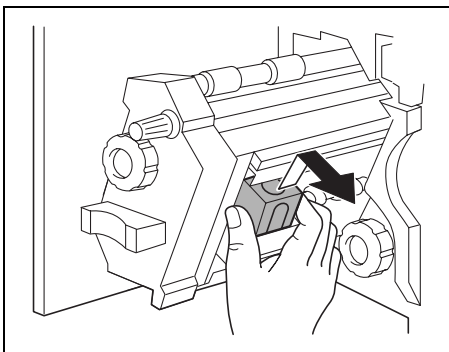


- 11** Turn misfeed-clearing dial ② clockwise until the cartridge removal indicators are aligned. The staple cartridge moves to a position from where it can be removed.

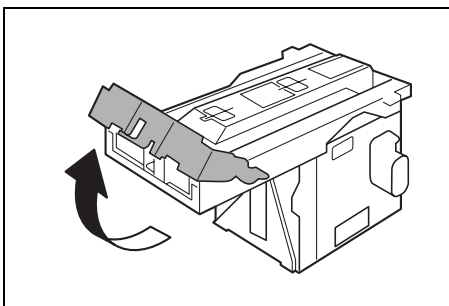
- If the dial is turned too far, turn it counterclockwise to adjust it so the cartridge removal indicators are aligned.



- 12** Grasp both sides of the staple cartridge, lift up the staple cartridge, and then pull it out.



- 13** Swing open the shutter of the staple cartridge.



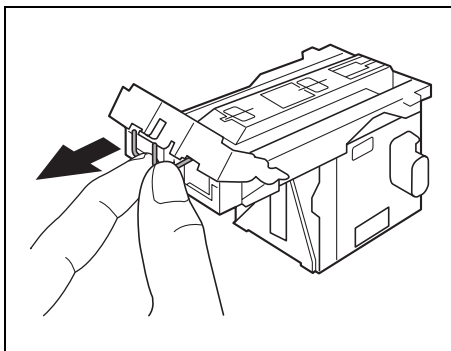
- 14** Pull out toward you the two staples jammed at the end of the staple cartridge.



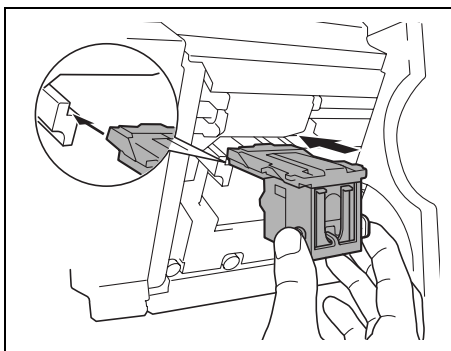
Note

Be sure to remove two staples, otherwise stapling cannot continue correctly.

- 15** Return the shutter of the staple cartridge to its original position.

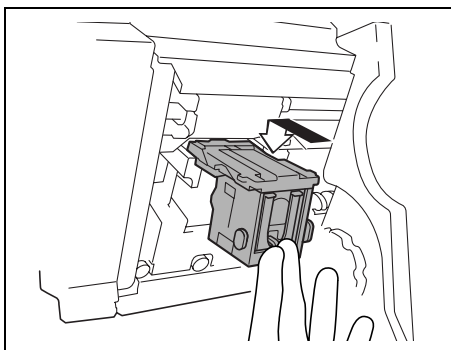


- 16** Insert the staple cartridge, making sure the tabs on the cartridge slide along the rails in the compartment.



- 17** Fully insert the staple cartridge so that it locks into place.

- Check that the staple cartridge is firmly installed.



- 18** Carefully move the stapler unit back into its original position.

- 19** Close the front door.

- 20** Slide the finisher back against the printer.

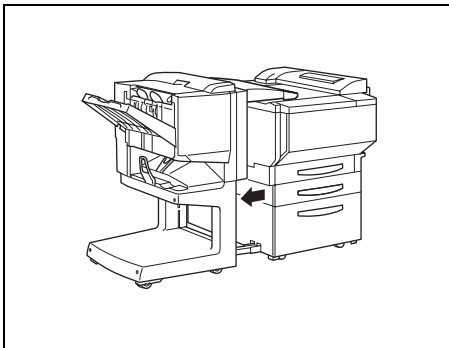
5.5 When the Message “Punch dust full Please change” Appears

If the punch kit PK-4 is installed in the finisher FN-8, the above message will appear when the hole-punch waste container is full with punch scraps.

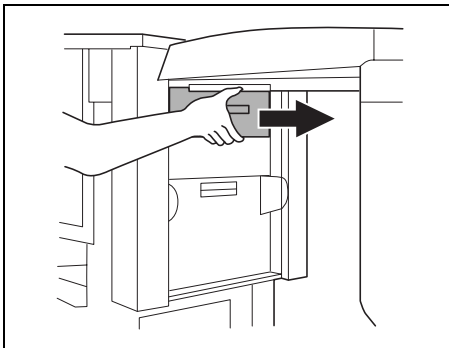
To empty the hole-punch waste container

Empty the hole-punch waste container, and then re-install it according to the following procedure.

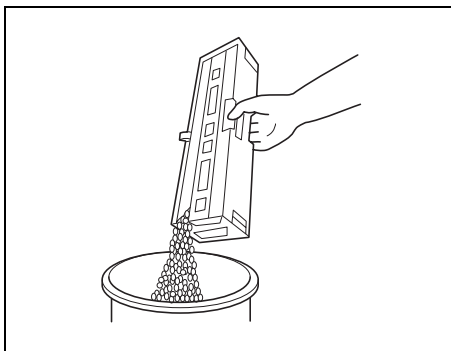
- 1 Slide the finisher away from the printer.



- 2 Pull out the hole-punch waste container.

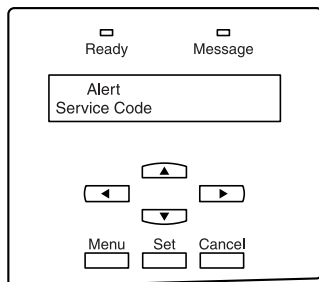


- 3 Empty the container.
- 4 Insert the hole-punch waste container into its original position.
- 5 Slide the finisher back against the printer.

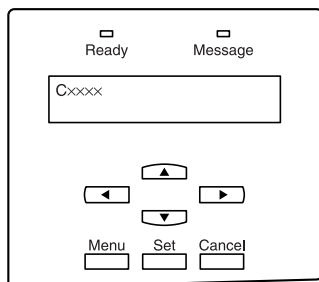


5.6 When the Message “Service Code Cxxxx” Appears

When the message shown below appears in the printer panel display, a malfunction has occurred within this printer.



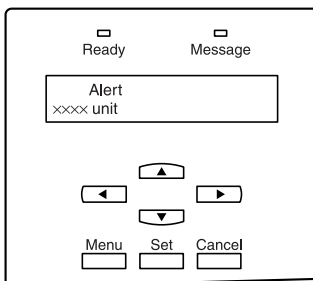
Press ▼ once and check which error code is displayed.



If this message appears, contact your technical representative and inform them of the error code that is indicated.

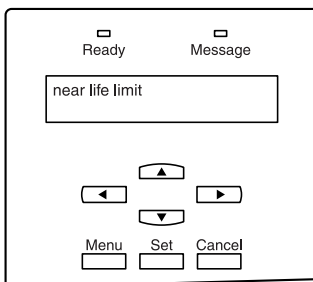
5.7 When the Message “xxxx unit near life limit” Appears

When it is almost time to replace a unit within this printer, a message like the one shown below appears in the printer panel.



Note

The display window only displays two lines of a message at one time. To view messages longer than two lines, press ▼ to display the next line of the message.



If this message appears, replace the unit according to your maintenance agreement.

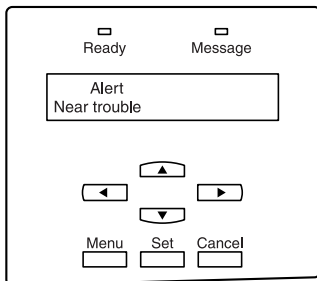


Disposing of Used Parts

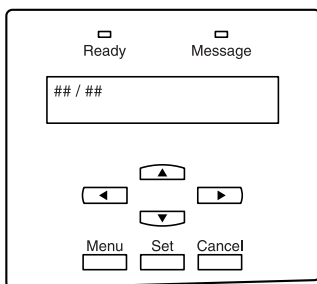
Dispose of used units according to your local regulations, or contact your technical representative.

5.8 When the Message “Near trouble ## / ##” Appears

When the message shown below appears in the printer panel display, image stabilization and printing functions for the printer have become unstable.



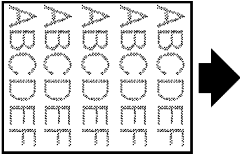
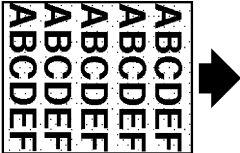
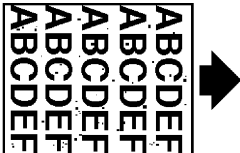
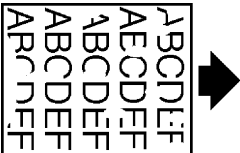
Press ▼ once and check which error code is displayed.

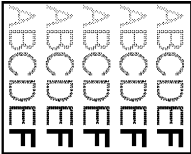
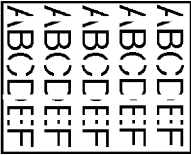
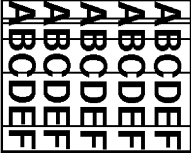
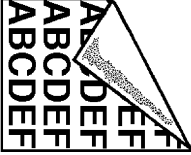
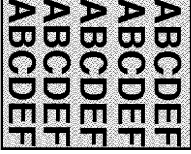


If this message appears, contact your technical representative and inform them of the error code that is indicated.

6 Troubleshooting

6.1 Improving Print Quality

Symptom	Cause	Action
The image is too light. 	The setting in the printer driver is not set properly.	Adjust the setting in the printer driver to the desired level.
	The paper loaded in the tray is damp.	Replace the old paper with fresh dry paper. p. 4-7
	The toner will soon be empty.	Replace the toner cartridge. p. 5-5
	The imaging unit may be defective.	Contact your technical representative.
	The image transfer belt unit may be defective.	Contact your technical representative.
The image is too dark. 	The setting in the printer driver is not set properly.	Adjust the setting in the printer driver to the desired level.
	The imaging unit requires replacement.	Contact your technical representative.
	The image transfer belt unit requires replacement.	
The toner smudges. 	The image transfer roller unit requires replacement.	Contact your technical representative.
Partial void image 	The paper loaded in the tray is damp.	Replace the old paper with fresh dry paper. p. 4-7
	The imaging unit requires replacement.	Contact your technical representative.
	The image transfer belt unit requires replacement.	

Symptom	Cause	Action
Inconsistent image density. 	The imaging unit requires replacement. The image transfer belt unit requires replacement.	Contact your technical representative.
White lines. 	The imaging unit requires replacement. The image transfer belt unit requires replacement.	Contact your technical representative.
Black (or color) stripes 	The printer's internal paper path is dirty. The imaging unit requires replacement. The image transfer roller unit requires replacement. The electrostatic charger is dirty.	Run several prints to flush out the debris. Contact your technical representative. Clean the electrostatic charger. p. 7-9
Soiled back side 	The printer's internal paper path is dirty.	Run several prints to flush out the debris.
Blurred background 	The imaging unit requires replacement.	Contact your technical representative.

Symptom	Cause	Action
Black pages 	The imaging unit requires replacement.	Contact your technical representative.
Blank pages 	The imaging unit requires replacement.	Contact your technical representative.
Paper wrinkles during printing.	The paper being used is not compatible with the printer.	See "4.1 Paper Specifications" for compatible types of paper. p. 4-1
	Paper is not loaded properly in the tray.	See "4.5 Loading Paper". p. 4-7
	The fusing unit requires replacement.	Contact your technical representative.
The print image is not fixed and easily smears.	The paper loaded in the tray is damp.	Replace the old paper with fresh dry paper.
	The paper being used is not compatible with the printer.	See "4.1 Paper Specifications" for compatible types of paper. page 4-1
	The fusing unit requires replacement.	Contact your technical representative.
The printer takes too long to output prints.	The printer was in Energy Saver mode when the print command was issued.	If you do not want to use this mode, disable it. See "Engine Setup Items" on page 3-12.
	The printer setting was for color transparency (transparency sheet) or thick paper printing.	Wait a few moments.

7 Appendix

7.1 Specifications

Printer CF2002/CF3102

Specification	
Type	Desktop
Platen	Stationary
Photo conductor	OPC
Printing system	Dry-type electrophotographic method
Developing system	MTHG developing method
Fusing system	Belt-fixing
Resolution	Scanning: 600 dpi, Printing: 600 dpi × 1800 dpi equivalent
Paper types	Plain paper (17 to 24 lbs. or 64 to 90 g/m ²), thick paper 1* (24-1/4 to 40 lbs. or 91 to 150 g/m ²), thick paper 2* (40-1/4 to 55-1/2 lbs. or 151 to 209 g/m ²), thick paper 3* (55-3/4 to 68 lbs. or 210 to 256 g/m ²), overhead projector transparencies*, postcards*, envelopes*, label sheets* * Can only be fed through the 1st drawer or the manual bypass tray.
Paper sizes	(For Inch) 1st drawer: 12-1/4 × 18 L* to 5-1/2 × 8-1/2 L, 4 × 6 thick paper* (Width: 3-9/16 to 12-1/4 in., Length: 5-1/2 to 18 in.) 2nd drawer: 11 × 14 L, Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L), Letter L/C (8-1/2 × 11 L/C), 8 × 13 L, 8-1/4 × 13 L, 8-1/2 × 13 L, 8-3/4 × 13 L, 10-1/2 × 8 C Manual bypass tray: (Width: 3-9/16 to 12-1/4 in., Length: 5-1/2 to 18 in.) (For Metric) 1st drawer: A3 Wide* to A5 L/C, B6 L, A6 Card L thick paper* (Width: 90 to 311 mm, Length: 140 to 457 mm) 2nd drawer: A3 L to B5 C/L Manual bypass tray: (Width: 90 to 311 mm, Length: 140 to 457 mm) * Can only be fed through the 1st drawer or the manual bypass tray.
Paper capacity	1st drawer: 250 sheets (when using 17 lbs. or 64 g/m ² Plain paper) 2nd drawer: 500 sheets (when using 17 lbs. or 64 g/m ² Plain paper) Manual bypass tray: 1 sheet (plain paper, thick paper 1, thick paper 2, thick paper 3, overhead projector transparency, postcard, envelopes, or label sheet)
Warm-up time	Less than 5 minutes at room temperature (68°F or 20°C)

Specification	
Lost image	Leading edge: 0.2 inch (5 mm) Trailing edge: 0.2 inch (5 mm) Rear edge: 0.2 inch (5 mm) Font edge: 0.2 inch (5 mm)
First print (CF2002)	Full color: Less than 14.1 seconds Black: Less than 7.9 seconds (for Letter C or A4 C paper loaded into the 1st drawer)
First print (CF3102)	Full color: Less than 9.9 seconds Black: Less than 7.9 seconds (for Letter C or A4 C paper loaded into the 1st drawer)
Print speed (CF2002)	Full color/Black: (For Inch) For Letter C paper loaded into the 2nd drawer: 20/31 sheets/min. For Ledger L paper loaded into the 2nd drawer: 10/15 sheets/min. (For Metric) For A4 C paper loaded into the 2nd drawer: 20/31 sheets/min. For B4 L paper loaded into the 2nd drawer: 12/18 sheets/min. For A3 L paper loaded into the 2nd drawer: 10/15 sheets/min.
Print speed (CF3102)	Full color/Black: (For Inch) For Letter C paper loaded into the 2nd drawer: 31/31 sheets/min. For Ledger L paper loaded into the 2nd drawer: 15/15 sheets/min. (For Metric) For A4 C paper loaded into the 2nd drawer: 31/31 sheets/min. For B4 L paper loaded into the 2nd drawer: 18/18 sheets/min. For A3 L paper loaded into the 2nd drawer: 15/15 sheets/min.
Power requirements	110/120/127 V: 15 A 60 Hz 220-240 V: 10 A 50/60 Hz
Power consumption	Less than 1.5 kW
Dimensions	W: 23-1/2 in. (596 mm) D: 30-3/4 in. (780 mm) H: 22-1/2 in. (571 mm)
Space requirements	W: 25-1/4 in. (642 mm) D: 30-3/4 in. (780 mm)
Memory	M256-2 (USA, Canada: standard, Others: optional)
Weight	187-1/4 lbs. (85 kg) (with all four imaging units installed)

Duplex Unit AD-14

Specification	
Paper type	Plain paper (17 to 24 lbs. or 64 to 90 g/m ²)
Paper size	(For Inch) 12-1/4 × 18, 11 × 14 L, 8-1/2 × 14 L, 8-1/2 × 13 L, 8-1/2 × 11 L/C, 8 × 10-1/2 L/C, 8 × 10 L/C, 7-1/2 × 10-1/2 L/C (For Metric) A3 Wide L, A3 L, B4 L, A4 L/C, B5 L/C
Power requirements	Supplied by printer
Power consumption	Less than 17 W
Dimensions	W: 5-1/2 in. (139 mm) D: 17-1/4 in. (440 mm) H: 14-1/4 in. (365 mm)
Weight	About 6-3/4 lbs (3.1 kg)

Paper Feed Unit PF-118

Specification	
Paper type	Plain paper (17 to 24 lbs. or 64 to 90 g/m ²)
Paper size	(For Inch) 11 × 14 L, Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L), Letter C (8-1/2 × 11 C), Letter L (8-1/2 × 11 L), 8 × 11 L/C (For Metric) A3 L, B4 L, A4 L/C, B5 L/C
Paper capacity	500 sheets (21-1/4 lbs. or 80 g/m ²)
Power requirements	Supplied by printer
Power consumption	Less than 15 W
Dimensions	W: 21 in. (535 mm) D: 22-1/4 in. (568 mm) H: 5 in. (127 mm)
Weight	About 18-3/4 lbs. (8.5 kg)

Large Capacity Cabinet PF-121

Specification	
Paper type	Plain paper (17 to 24 lbs. or 64 to 90 g/m ²)
Paper size	(For Inch) Letter C (8-1/2 × 11 L) (For Metric) A4 C, B5 C
Paper capacity	2,500 sheets (21-1/4 lbs. or 80 g/m ²)
Power requirements	Supplied by printer
Power consumption	Less than 45 W
Dimensions	W: 21 in. (535 mm) D: 22-1/4 in. (568 mm) H: 11-1/4 in. (284 mm)
Weight	About 37-1/2 lbs. (17.0 kg)

Finisher FN-8

Specification	
Output trays	Paper output tray and lower paper output tray
Settings	Normal functions: "Non-sort", "Sort", "Sort"/"Staple" and "Saddle Staple" settings Hole-punch functions: "Non-sort"/"Punch", "Sort"/"Punch" and "Sort"/"Staple"/"Punch" settings
Paper type	Paper output tray: "Non-sort" setting: Plain paper (17 to 24 lbs. or 64 to 90 g/m ²), thick paper 1 (24-1/4 to 40 lbs. or 91 to 150 g/m ²), thick paper 2 (40-1/4 to 55-1/2 lbs. or 151 to 209 g/m ²), thick paper 3 (55-3/4 to 68 lbs. or 210 to 256 g/m ²), postcards, envelopes, label sheets, overhead projector transparencies "Sort" and "Sort"/"Staple" settings: Plain paper (17 to 24 lbs. or 64 to 90 g/m ²) Lower paper output tray: Plain paper (17 to 24 lbs. or 64 to 90 g/m ²)

Specification	
Paper size	Paper output tray: (For Inch) "Non-sort" setting: Invoice L/C (5-1/2 × 8-1/2 L/C), Letter L/C (8-1/2 × 11 L/C), Legal L (8-1/2 × 14 L), Ledger L (11 × 17 L), 12-1/4 × 18 L (12 × 18 L) "Sort" setting: Letter L/C (8-1/2 × 11 L/C), Legal L (8-1/2 × 14 L), Ledger L (11 × 17 L) "Sort"/"Staple" setting: Letter L/C (8-1/2 × 11 L/C), Legal L (8-1/2 × 14 L), Ledger L (11 × 17 L) "Punch" setting: 3-hole: Letter C (8-1/2 × 11 C), Ledger L (11 × 17 L) 2-hole: Letter L/C (8-1/2 × 11 L/C), Legal L (8-1/2 × 14 L), Ledger L (11 × 17 L) Lower paper output tray: Letter L (8-1/2 × 11 L), Ledger L (11 × 17 L) (For Metric) "Non-sort" setting: A4 L/C, A3 L, A3 Wide L "Sort" setting: A4 L/C, A3 L "Sort"/"Staple" setting: A4 L/C, A3 L "Punch" setting: A4 C, A3 L Lower paper output tray: A4 L, A3 L
Paper capacity	Paper output tray: Plain paper (17 to 24 lbs. or 64 to 90 g/m²): 1,000 sheets of Letter L-size (A4 L-size) paper or smaller, or 500 sheets of Legal L-size (B4 L-size) paper or large Thick paper 1, 2 and 3 (24-1/4 to 68 lbs. or 91 to 256 g/m²): Maximum 20 sheets; Postcards/envelopes/overhead projector transparencies/label sheets: Maximum 20 sheets Lower paper output tray: 10 copies (6 to 10 bound pages) 20 copies (2 to 5 bound pages)
"Staple" setting	Paper sizes (no. of bound pages): (For Inch) Letter L/C (8-1/2 × 11 L/C), Legal L/C (8-1/2 × 14 L/C), Ledger L/C (11 × 17 L/C) (For Metric) A4 L/C, A3 L (Densely printed paper: 2 to 20 sheets)
"Punch" setting	Paper sizes: (For Inch) 3-hole: Letter C (8-1/2 × 11 C), Ledger L (11 × 17 L), 2-hole: Letter L/C (8-1/2 × 11 L/C), Legal L (8-1/2 × 14 L), Ledger L (11 × 17 L) Number of punched holes: 2/3 (For Metric) A4 C, A3 L Number of punched holes: 4
Power requirements	Supplied by printer (Punch kit: supplied by finisher)
Power consumption	Less than 65 W
Dimensions	W: 23-3/4 in. (601 mm) D: 23-3/4 in. (603 mm) H: 36-3/4 in. (933 mm)
Weight	About 91-3/4 lbs. (41.6 kg) (including the horizontal transport unit)
Accessories	1 staple cartridge (5,000 staples for 50 sheets)

Finisher FN-116

Specification	
No. of bins	Non-sort tray, Elevated tray
Settings	"Non-sort", "Sort", "Group" and "Staple" settings
Paper type	Non-sort tray: "Non-sort" setting: Plain paper (17 to 24 lbs. or 64 to 90 g/m²), Thick 1 (24-1/4 to 40 lbs. or 91 to 150 g/m²), Thick 2 (40-1/4 to 55-1/2 lbs. or 151 to 209 g/m²), Thick 3 (55-3/4 to 68 lbs. or 210 to 256 g/m²), overhead projector transparencies, postcards, envelopes, and label sheets Elevated tray "Sort"/"Group" settings: Plain paper (17 to 24 lbs. or 64 to 90 g/m²) "Staple" setting: Plain paper (17 to 24 lbs. or 64 to 90 g/m²)
Paper size	(For Inch) Non-sort tray: Invoice L/C (5-1/2 × 8-1/2 L/C), Letter L/C (8-1/2 × 11 L), Legal L (8-1/2 × 14 L), Ledger L (11 × 17 L), Executive L/C (7-1/4 × 10-1/2 L/C) Elevated tray: Invoice L/C (5-1/2 × 8-1/2 L/C), Letter L/C (8-1/2 × 11 L/C), Legal L (8-1/2 × 14 L), Ledger L (11 × 17 L), Executive L/C (7-1/4 × 10-1/2 L/C), 12-1/4 × 18 L (12 × 18 L) (For Metric) Non-sort tray: A4 L/C, A3 L, A3 Wide L Elevated tray: A4 L/C, A3 L
Paper capacity	Non-sort tray: Plain paper (21-1/4 lbs. or 80 g/m²): Maximum 250 sheets Thick paper: Maximum 20 sheets Overhead projector transparencies: postcards, envelope, label sheets: Maximum 20 sheets Elevated tray: Plain paper (21-1/4 lbs. or 80 g/m²): Maximum 1,000 sheets Letter L-size (A4 L-size) paper or smaller: Maximum 500 sheets Legal L-size (B4 L-size) paper or larger
"Staple" setting	Paper size: (For Inch) Letter L/C (8-1/2 × 11 L/C), Executive L/C (7-1/4 × 10-1/2 L/C), Legal L (8-1/2 × 14 L), Ledger L (11 × 17 L) (For Metric) A3 L, A4 L/C Number of sheets bound: 2 to 30 sheets (2 to 20 sheets with densely printed paper)
Power requirements	Supplied by printer
Power consumption	Less than 63 W
Dimensions	W: 21-1/4 in. (538 mm) D: 25 in. (637 mm) H: 38-1/2 in. (978 mm)
Weight	About 84 lbs. (38.1 kg) (including the horizontal transport unit)
Accessories	1 staple cartridge (3,000 staples)

Option Tray JS-100

Specification	
Setting	Option Tray
Paper type	Plain paper (17 to 24 lbs. or 64 to 90 g/m ²)
Paper size	(For Inch) Invoice L (5-1/2 × 8-1/2 L), Letter L/C (8-1/2 × 11 L/C), Executive L/C, 7-1/4 × 10-1/2 L/C, Legal L (8-1/2 × 14 L), Ledger L (11 × 17 L) (For Metric) A4 L/C, A3 L
Paper capacity	Letter C (A4 C): 100 sheets, Except Letter C (A4 C): 50 sheets
Dimensions	W: 13-1/2 in. (341 mm) D: 20-3/4 in. (527 mm) H: 5-3/4 in. (149 mm)
Weight	About 3-3/4 lbs. (1.75 kg)

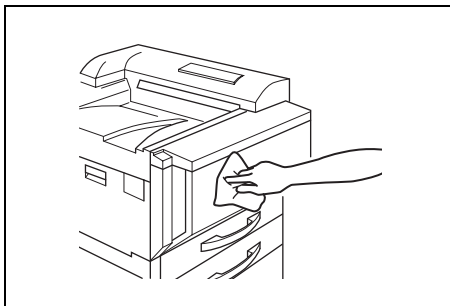
7.2 Care of the Printer

Cleaning

Set the power switch of the printer to "O" before cleaning it.

Housing cover

- Clean the surface of the housing cover by wiping it with a soft cloth dampened with a mild household detergent.



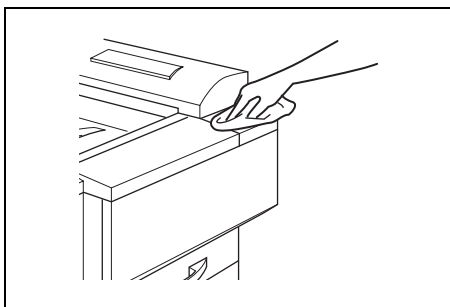
Printer panel

- Clean the printer panel by wiping it with a soft, dry cloth.



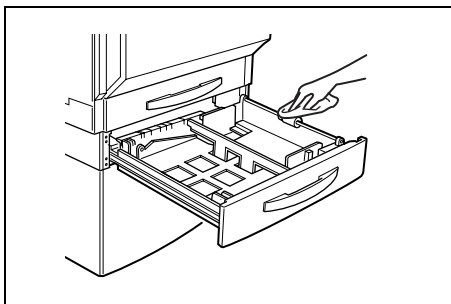
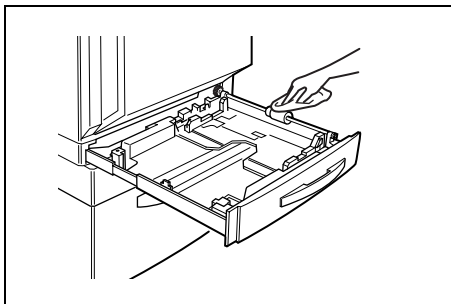
Note

Pressing too hard on the printer panel may damage them. In addition, never use mild household detergent or glass cleaner to clean the printer panel.



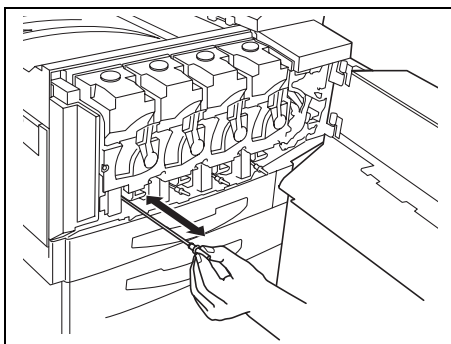
Paper take-up roller

- Clean the paper take-up roller by wiping it with a soft, dry cloth.

**Electrostatic charger**

If the electrostatic charger is dirty, streaks will appear though the prints. If this occurs, clean the charger according to the following procedure.

- 1 Open the front door.
- 2 Slowly pull out the charger-cleaning tool as far as possible, and then slowly push in the charger-cleaning tool as much as possible.
Repeat this step three times.
Perform this operation with each charger-cleaning tool.



- 3 Securely insert each charger-cleaning tool, and then close the front door.

7.3 Consumables

In order to maintain the condition of this machine, the following consumables are needed.

For best print quality, we recommend that the specified supplies be used.

For information on or for purchasing supplies, contact your nearest technical representative.

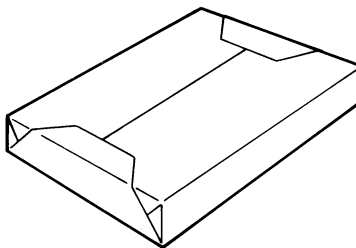
Paper

In addition to plain paper, thick paper, 12.25 × 18L (A3 Wide) paper and overhead projector transparencies are also available.



Note

In order to protect unwrapped paper from humidity, keep it in a plastic bag and stored in a cool, dark location.



Toner Cartridges

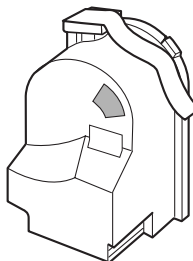
Cartridges for cyan, magenta, yellow and black toner are available.



Note

Only use toner that has been manufactured specifically for this printer.

Do not throw away the used toner cartridges. Instead, keep them in their boxes to be collected by your service representative.



Staple Cartridges**FN-116**

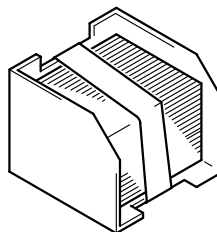
Staples for staple binding

3,000 staples are provided in the staple cartridge.

FN-8

Staples for staple binding

5,000 staples are provided in the staple cartridge.



8 Using PageScope Light

PageScope Light is a device control utility program provided by the HTTP server built into the printer controller. This utility can be used with a Web browser as an interface for remotely controlling the printer.

8.1 System Requirements

The following items are required to use this utility.

Computer

Software

Operating System	Web Browser
Windows 98/NT 4.0	Internet Explorer 4 or higher, Netscape Navigator 4 or higher
Windows Me	Internet Explorer 5.5 or higher, Netscape Navigator 4 or higher
Windows 2000	Internet Explorer 5 or higher, Netscape Navigator 4 or higher
Windows XP	Internet Explorer 6 or higher, Netscape Navigator 4 or higher
MacOS 9.x	Internet Explorer 4.5 or higher Netscape Navigator 4 or higher
MacOS X	Internet Explorer 5.1 or higher Netscape Navigator 4 or higher

Ethernet

TCP/IP protocol

8.2 Access

PageScope Light can be accessed directly from a Web browser.

1. Start the Web browser.
2. In the Address bar, enter the IP address of the printer controller as shown below. Then, press [Enter].
`http://<IP address of the printer controller>/`
(Example) When the IP address of the printer controller is 192.168.0.10:
`http://192.168.0.10/`
3. The PageScope Light screen appears.

Operation

PageScope Light operation is identical to that for Internet Web pages. You can click a link on the Web page to jump to the link destination or click the [Back] or [Forward] button to display the previous or next page.

8.3 Screen Configuration

The screen shown below is called the User Mode screen; all users can view this screen. By entering an appropriate password in the “Admin Password” box on the User Mode screen, you can enter the Administrator Mode screen. (See p. 8-5.)

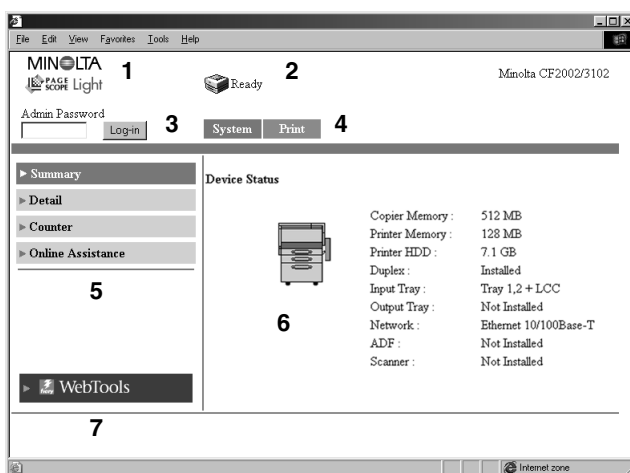
The configuration of the PageScope Light screen is shown below.



Note

Screen images shown in this manual may differ slightly from actual ones. In addition, specifications are subject to change without prior notice.

If you wish to change the display language of PageScope Light, log into the Administrator Mode, and change the setting using the “Preference” menu.



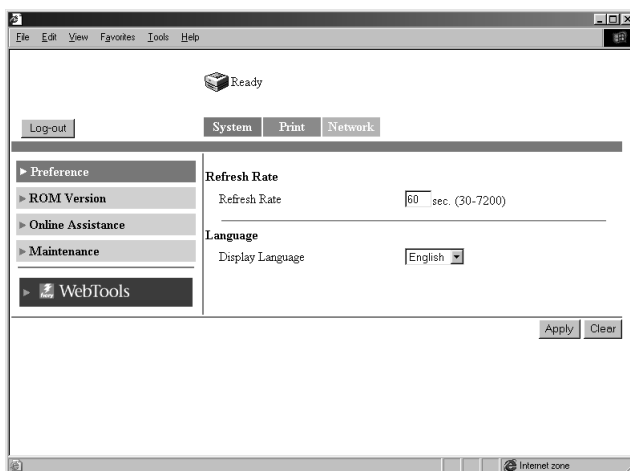
- 1 **Minolta PageScope Light Logo**
Click the Minolta logo to jump to the following Web site.
www.minolta.com
Click the PageScope Light logo to jump to the following Web site.
www.pagescope.minolta.com
- 2 **Status Display**
The current status of the printer and the printer controller is indicated by icons and text. The message “Ready” appears when the printer and the printer controller are operating normally.
- 3 **Admin Password**
Logs in using the Administrator Mode. (For details on the login procedure in the Administrator Mode, see “Logging in Using the Administrator Mode” on page 8-5.)

- 4 **Tabs**
Selects the category of items to be displayed.
 - System
 - Print
 - Network (Administrator Mode only)For details on each tab, see the following sections.
- 5 **Menus**
Selects the information or setup item to be displayed. The menus that appear vary depending on the tab selection.
For details on each menu, see the following sections.
- 6 **Information and Setting Details**
Displays the details of the selected menu.
- 7 **WebTools**
Moves to the Fiery WebTools screen.

Logging in Using the Administrator Mode

By logging into PageScope Light in the Administrator Mode, you can configure or confirm the printer controller system.

- 1 Enter the administrator password into the “Admin Password” box at the upper left corner of the screen.
- 2 Click [Log-in] to log in using the Administrator Mode.



- 3 To log out, click [Log-out].



Note

Contact the printer administrator for the password.

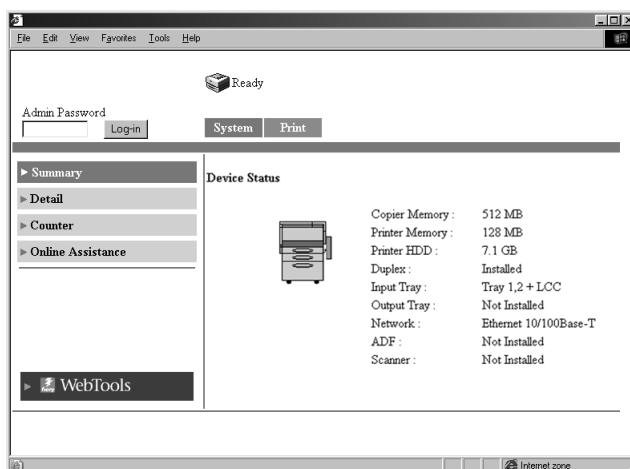
8.4 User Mode

System Tab

On the [System] tab, information concerning the system configuration of the printer and settings are displayed.

Summary

This screen is the initial screen that appears when you access <http://<IP address of the remote controller>/> with your Web browser. You can also display the Summary screen by clicking the [Summary] menu on the [System] tab. The Summary screen shows the current printer system configuration and status.



Device Status: Shows the configuration of options installed on the printer using graphics.

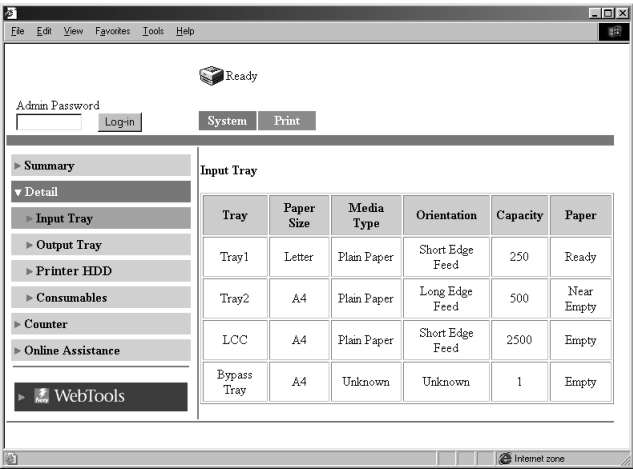
Installation Status of Options: Shows the overview of the system configuration of the printer.

Detail

This screen appears when you click the [Detail] menu on the [System] tab. Clicking a sub-menu under the [Detail] menu displays information about the applicable unit.

Input Tray

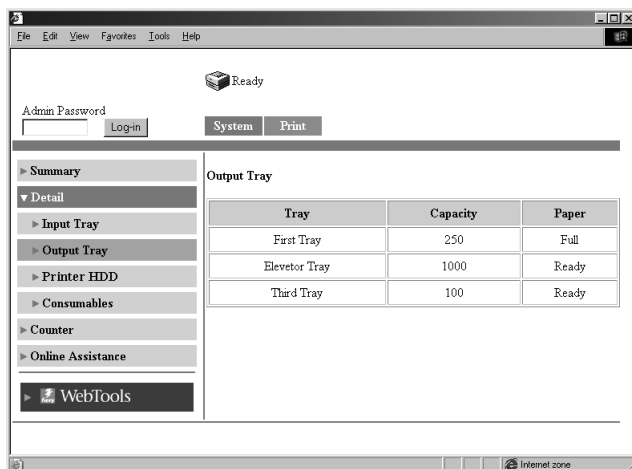
This screen appears when you click the [Input Tray]]sub-menu under the [Detail] menu. It shows the configuration of all the paper feed trays installed on the printer.



Tray:	Tray name
Paper Size:	Size of paper loaded in the tray
Media Type:	Type of media loaded in the tray
Orientation:	Orientation of paper loaded in the tray
Capacity:	Maximum number of sheets that can be loaded in the tray
Paper:	Amount of paper remaining in the tray

Output Tray

This screen appears when you click the [Output Tray] sub-menu under the [Detail] menu. It shows the configuration of all the output trays installed on the printer.



Tray:

Option tray name
(When FN-116 is installed)
First Tray, Elevator Tray, Third Tray
(When FN-8 is installed)
Elevator Tray, Saddle Tray

Capacity:

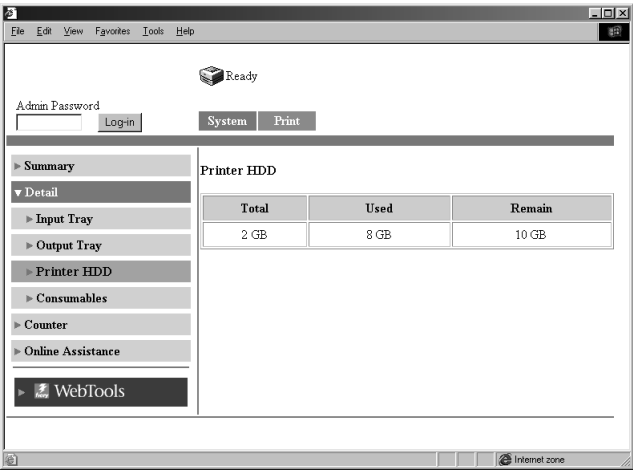
Maximum number of A4/Letter-size sheets the tray can hold

Paper:

Tray status

Printer Hard Disk

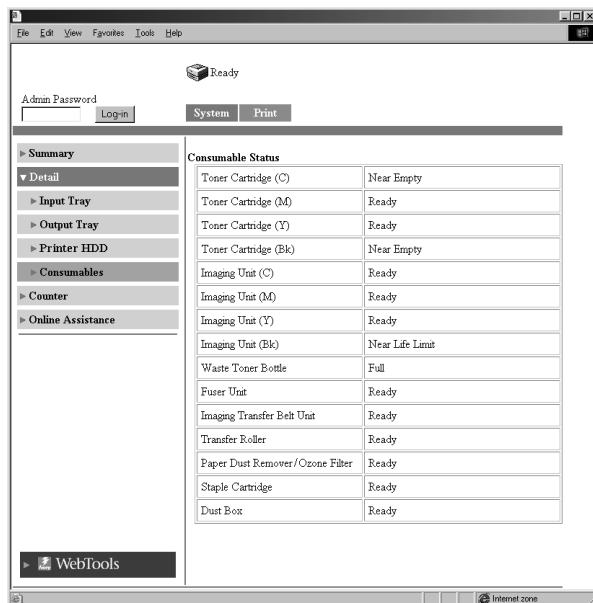
This screen appears when you click the [Printer HDD] sub-menu under the [Detail] menu. It shows the status of the hard disk installed on the printer controller.



- Total:
- Size of the installed hard disk
- Used:
- Amount of hard disk space used by the system
- Remain:
- Amount of free hard disk space

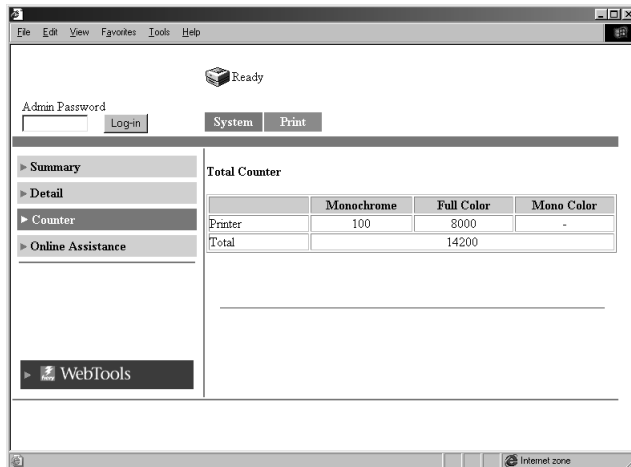
Consumables

This screen appears when you click the [Consumables] sub-menu under the [Detail] menu. It shows the current status of consumables of the printer and the option units



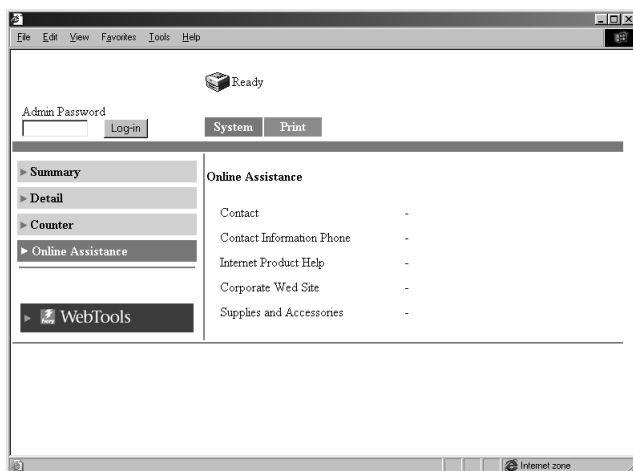
Counter

This screen appears when you click the [Counter] menu on the [System] tab. It shows various counter values that the printer manages.



Online Assistance

This screen appears when you click the [Online Assistance] menu on the [System] tab. It shows information concerning product support. The information can be edited in the Administrator Mode. (See p. 8-21.)



Print Tab

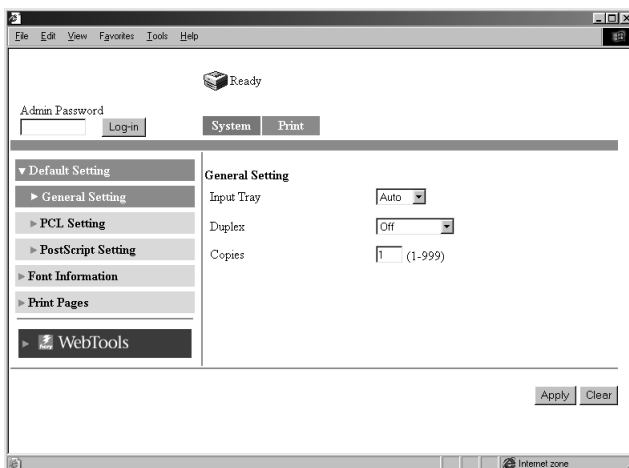
The [Print] tab is used to configure the printer controller.

Default Setting

This screen appears when you click the [Default Setting] menu on the [Print] tab. Clicking a sub-menu under the [Default Setting] menu displays various setup screens for the printer.

General Setting

This screen appears when you click the [General Setting] sub-menu under the [Default Setting] menu. The screen is used to specify the default settings of the paper feed tray, duplex printing, and the number of copies.



Input Tray:

From the drop-down list, select the default paper feed tray. If the device receives a print job that does not specify the paper feed tray, the default paper feed tray is used.
Settings: Auto, Tray1, Tray2, Tray3, Tray4, or LCC

Duplex:

From the drop-down list, select whether to perform duplex printing by default. If you select duplex printing, select whether to use long edge binding or short edge binding. If the device receives a print job that does not specify the duplex setting, the default duplex setting is used.
Settings: Off, Left Binding, or Top Binding

Copies:

Enter the default number of copies. If the device receives a print job that does not specify the number of copies, the default number of copies is used.
Settings: 1 to 999

[Apply] button:

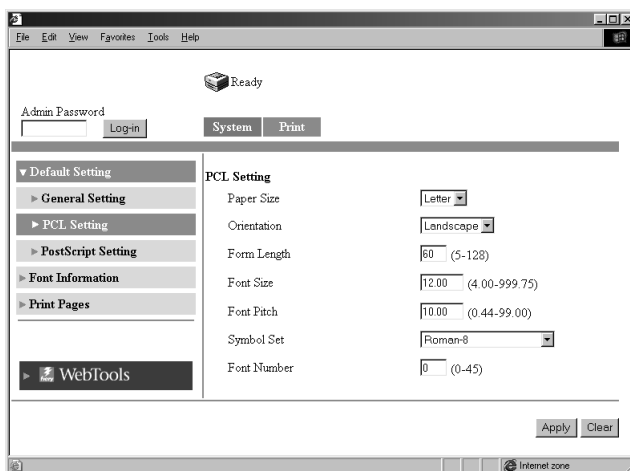
Click the button to apply the new settings.

[Clear] button:

Click the button to clear the settings that were entered or selected.

PCL Setting

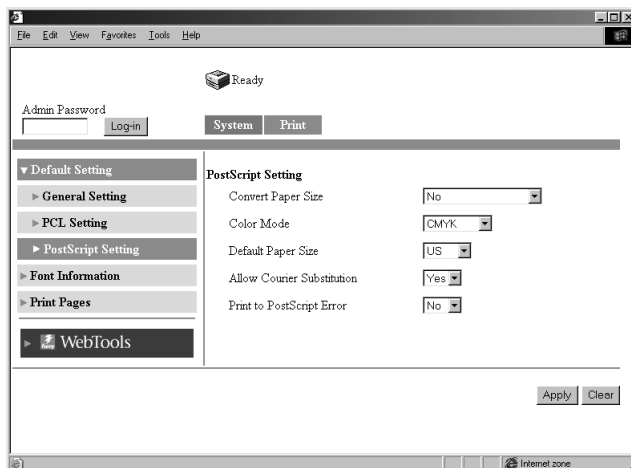
This screen appears when you click the [PCL Setting] sub-menu under the [Default Setting] menu. The screen is used to set default values for various PCL settings. If the page description language that the printer controller received is PCL, the settings of the job have precedence.



Paper Size:	From the drop-down list, select the default paper size.
Orientation:	From the drop-down list, select the default orientation of the paper. Settings: Portrait or Landscape
Form Length:	Enter the number of lines per page. Settings: 5 to 128
Font Size:	Enter the default proportional font size (points). Settings: 4.00 to 999.75 (0.25 steps)
Font Pitch:	Enter the number of characters per inch in the horizontal direction when printing fixed pitch font. Settings: 0.44 to 99.00 (0.01 steps)
Symbol Set:	Select the symbol set used by the font. If a symbol set that cannot be used currently is selected, the default symbol set is used in its place.
Font Number:	Enter the font number.
[Apply] button:	Click the button to apply the new settings.
[Clear] button:	Click the button to clear the settings that were entered or selected.

PostScript Setting

This screen appears when you click the [PostScript] Setting sub-menu under the [Default Setting] menu. The screen is used to set default values for various PostScript settings. If the page description language that the printer controller received is PostScript, the settings of the job have precedence.



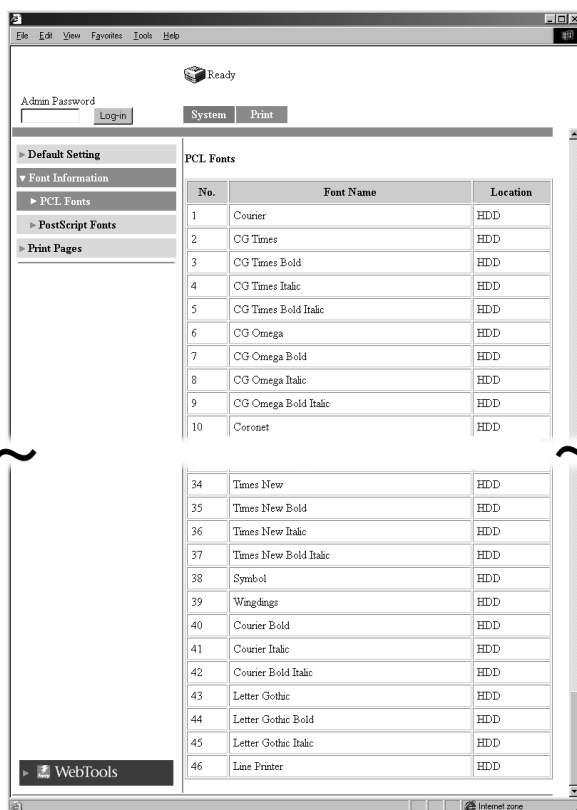
- | | |
|-----------------------------|--|
| Convert Paper Size: | Select the setting for automatically converting between paper sizes using the inch system and those using the metric system.
Settings: No, Letter/11 × 17 to A4/A3, or A4/A3 to Letter/11 × 17 |
| Color Mode: | Select the default color mode.
Settings: CMYK or Grayscale |
| Default Paper Size: | Select the default paper size system.
Settings: US or Metric |
| Allow Courier Substitution: | Select whether to automatically substitute Courier font by default when the controller receives unsupported font or unknown font.
Settings: No or Yes (If you select "No", unsupported fonts are not printed.) |
| Print to PostScript Error: | Select whether to print error information by default when a PostScript error occurs.
Settings: No or Yes |
| Print to PostScript Error: | Select whether to print the page in the RIP and the contents of the error if a PostScript error occurred while a print job is in the RIP. If "Yes" is selected, the data processed by the RIP before the error occurred and the details of the error are printed. In the event that a problem occurred while printing, set this option to "Yes" to print.
If "No" is selected, the data being processed by the RIP and the details of the error are not printed, but the pages that have been processed by the RIP is printed.
Settings: No or Yes |

Font Information

This screen appears when you click the [Font Information] menu on the [Print] tab. It shows a list of PCL fonts and PostScript fonts that are built into the printer controller.

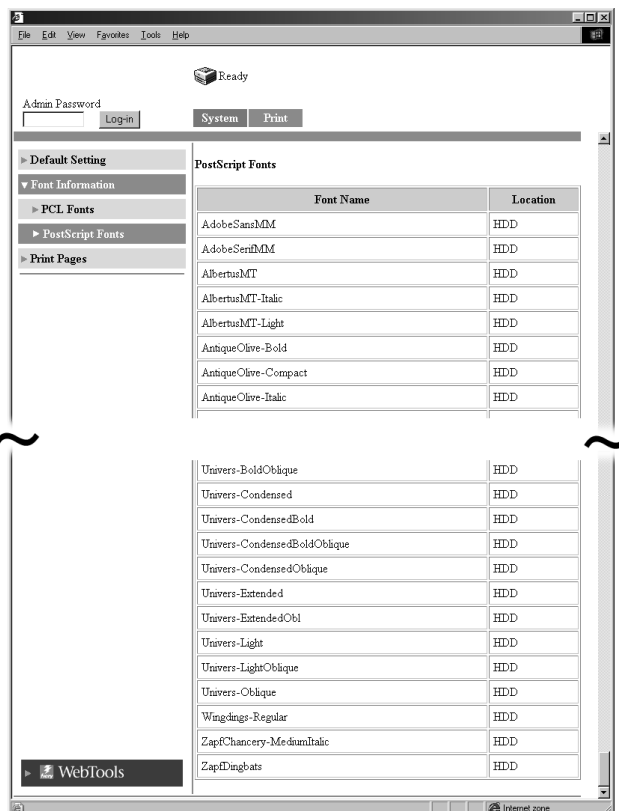
PCL Font

This screen appears when you click the [PCL Fonts] sub-menu under the [Font Information] menu. It shows a list of PCL fonts that are built into the printer controller.



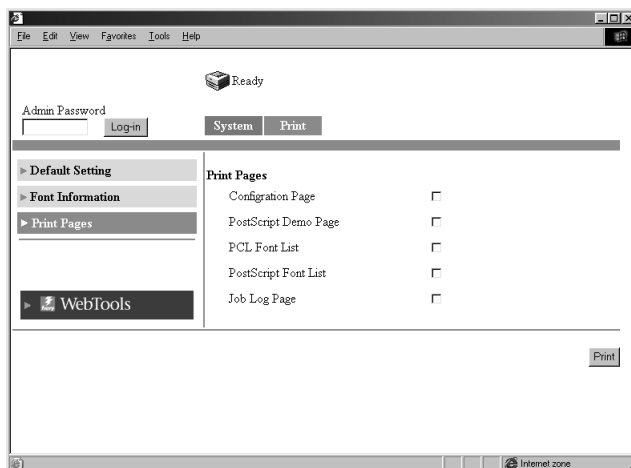
PostScript Font

This screen appears when you click the [PostScript Fonts] sub-menu under the [Font Information] menu. It shows a list of PostScript fonts that are built into the printer controller.



Print Pages

This screen appears when you click the [Print Pages] menu on the [Print] tab. The screen is used to select the test page to be printed and execute the printing.



8.5 Administrator Mode

By logging into PageScope Light in the Administrator Mode, you can configure or confirm the printer controller system.

For details on the login procedure in the Administrator Mode, see “Logging in Using the Administrator Mode” on page 8-5.

System Tab

On the [System] tab, information concerning the system configuration of the printer and settings are displayed.

Preference

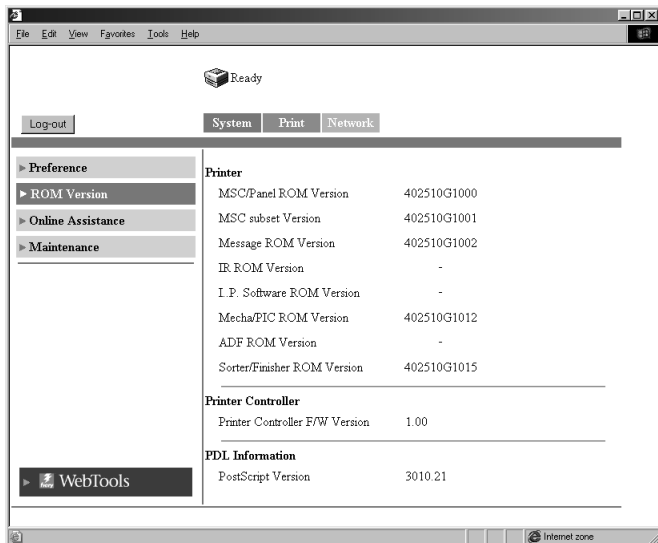
This screen appears when you click the [Preference] menu on the [System] tab. The screen is used to specify settings concerning the screen display.



- | | |
|-------------------|--|
| Refresh Rate: | Sets the refresh rate of PageScope Light.
Settings: 30 to 7200 sec. |
| Display Language: | Sets the display language of PageScope Light. |
| [Apply] button: | Click the button to apply the new settings. |
| [Clear] button: | Click the button to clear the settings that were entered or selected. |

ROM Version

This screen appears when you click the [ROM Version] menu on the [System] tab. It shows the ROM version of the printer, the firmware version of the controller, and other information.



Online Assistance

This screen appears when you click the [Online Assistance] menu on the [System] tab. You can use the screen to enter information concerning product support.

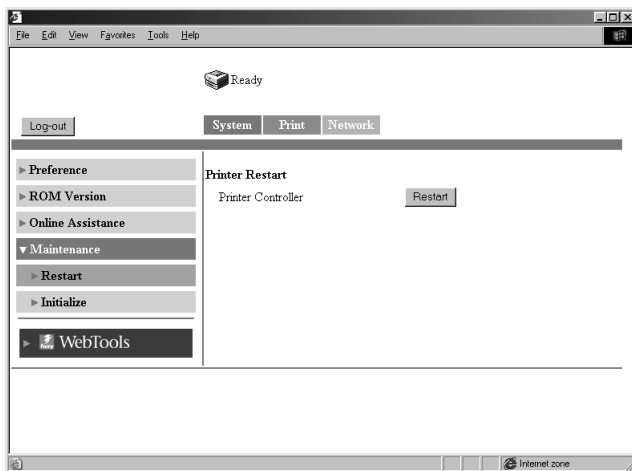
The screenshot shows a web browser window with a menu bar (File, Edit, View, Favorites, Tools, Help) and a status bar (Internet zone). The main content area is titled "Ready" and features a navigation pane on the left with the following items: "Log-out", "System" (selected), "Print", "Network", "Preference", "ROM Version", "Online Assistance" (highlighted), "Maintenance", and "WebTools". The "Online Assistance" section is active, displaying a form with the following fields: "Contact", "Contact Information Phone", "Internet Product Help", "Corporate Web Site", and "Supplies and Accessories". Each field has a corresponding text input box. At the bottom right of the form are "Apply" and "Clear" buttons.

Maintenance

This screen appears when you click the [Maintenance] menu on the [System] tab. You can use the screen to restart the printer controller or initialize the settings (reset to factory default settings).

Restart

This screen appears when you click the [Restart] sub-menu under the [Maintenance] menu. You can use the screen to restart the printer controller.

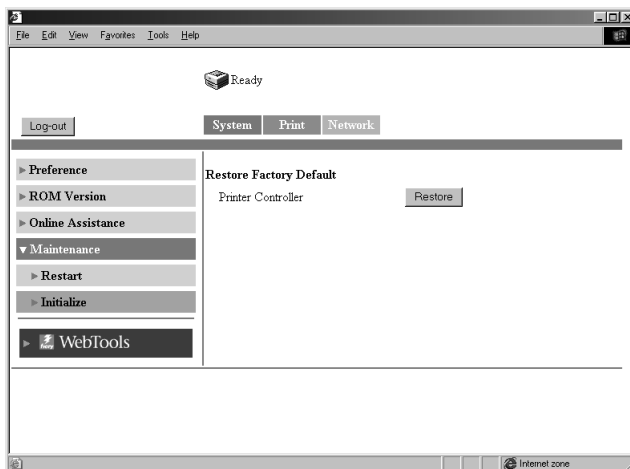


Printer Controller/[Restart]
button:

Restarts the printer controller. Click the [Restart] button to show a screen used to confirm whether to execute the restart operation. Click the [Yes] button on the confirmation screen to restart the printer controller.

Initialize

This screen appears when you click the [Initialize] sub-menu under the [Maintenance] menu. You can use the screen to initialize the printer controller settings (reset to factory default settings).



Printer Controller/[Restore]
button:

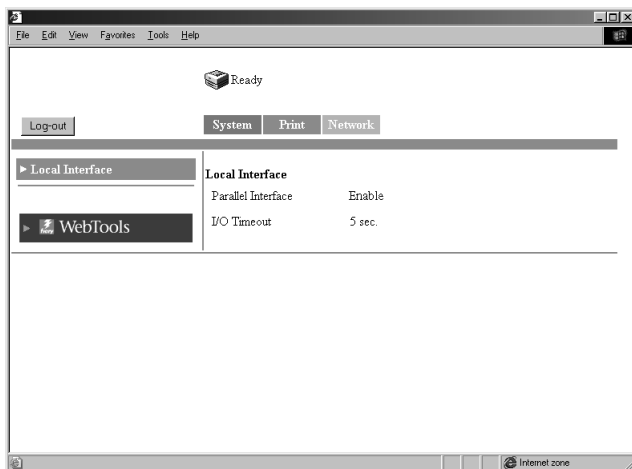
Resets the printer controller settings to factory default. Click the [Restore] button to show a screen used to confirm whether to execute the initialization. Click the [Yes] button on the confirmation screen to reset the printer controller settings to factory default.

Print Tab

The [Print] tab is used to configure the printer controller.

Local Interface

This screen appears when you click the [Local Interface] menu on the [Print] tab. The screen is used to show or set information concerning the local port.



Parallel Interface:

Displays the setting selected under "Enable Parallel Port" in the Setup mode of the printer controller.

I/O Timeout:

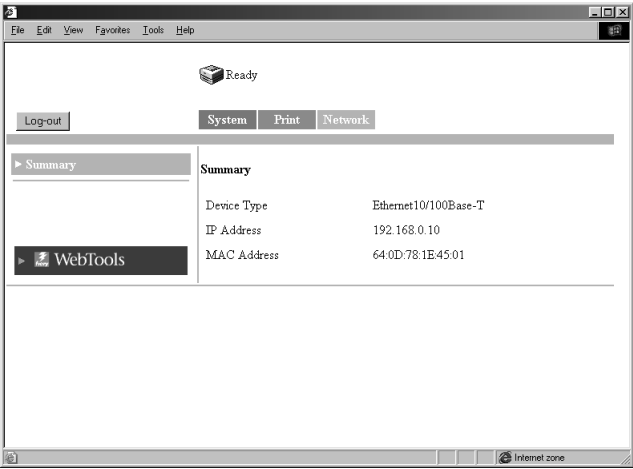
Enter the wait time (second(s)) that is used to determine the completion of the job after the data received through the parallel port stops.

Network Tab

The [Network] tab shows settings concerning the printer controller network.

Summary

This screen appears when you click the [Summary] menu on the [Network] tab. It shows a summary of the printer controller interface (TCP/IP settings).



Device Type:	Interface type
IP Address:	IP address of the printer controller
MAC Address:	MAC address of the printer controller

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