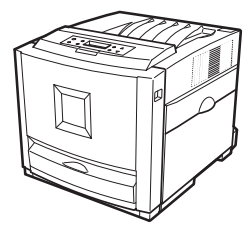
RICOH

Aficio™ CL3000/CL3000DN

Operating Instructions
Maintenance Guide



1 Getting Started
2 Paper and Other Media
3 Replacing Consumables and Maintenance Kit
4 Cleaning and Adjusting the Printer
5 Troubleshooting
6 Appendix

For safety, please read this manual carefully before you use this product and keep it handy for future reference.

Introduction

This manual contains detailed instructions on the operation and maintenance of this machine. To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual. Please keep this manual in a handy place near the machine.

Please read “Safety Information” in this manual before using this machine. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

Power Source

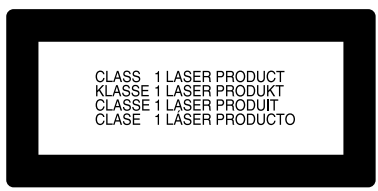
220-240V, 50/60 Hz, 4A or more

Please be sure to connect the power cable to a power source as above.

Operator Safety:

This printer is considered a class 1 laser device, safe for office/ EDP use. The printer contains 7 milliwat, 645 - 660 nanometer wavelength, AlGaInP Laser Diode. Direct (or indirect reflected) eye contact with the laser beam might cause serious eye damage. Safety precautions and interlock mechanisms have been designed to prevent any possible laser beam exposure to the operator.

The following label is attached on the back of the printer.



Laser Safety:

The optical housing unit can only be repaired in a factory or at a location with the requisite equipment. The laser subsystem is replaceable in the field by a qualified Customer Engineer. The laser chassis is not repairable in the field. Customer engineers are therefore directed to return all chassis and laser subsystems to the factory or service depot when replacement of the optical subsystem is required.

Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

Caution:

Use of controls or adjustment or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.

Do not attempt any maintenance or troubleshooting other than that mentioned in this manual. This printer contains a laser beam generator and direct exposure to laser beams can cause permanent eye damage.

Two kinds of size notation are employed in this manual. With this machine refer to the metric version.

For good print quality, the supplier recommends that you use genuine toner from the supplier.

The supplier shall not be responsible for any damage or expense that might result from the use of parts other than genuine parts from the supplier with your office products.

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Trademarks

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

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The proper names of the Windows operating systems are as follows:

- Microsoft® Windows® 95 operating system
- Microsoft® Windows® 98 operating system
- Microsoft® Windows® Millennium Edition (Windows Me)
- The product names of Windows® 2000 are as follows:
  Microsoft® Windows® 2000 Advanced Server
  Microsoft® Windows® 2000 Server
  Microsoft® Windows® 2000 Professional
- The product names of Windows® XP are as follows:
  Microsoft® Windows® XP Professional
  Microsoft® Windows® XP Home Edition
- The product names of Windows NT® 4.0 are as follows:
  Microsoft® Windows NT® Server 4.0
  Microsoft® Windows NT® Workstation 4.0

Notes:

Some illustrations in this manual might be slightly different from the machine.

Certain options might not be available in some countries. For details, please contact your local dealer.

Safety Information

When using your printer, the following safety precautions should always be followed.

Safety During Operation

In this manual, the following important symbols are used:

⚠ ***WARNING:***
Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

⚠ ***CAUTION:***
Indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

⚠ ***WARNING:***

- ***It is dangerous to handle the plug with wet hands. Doing this may result in receiving an electric shock.***
- ***Connect the power cord directly into a wall outlet and never use an extension cord.***
- ***Disconnect the power plug (by pulling the plug, not the cable) if the power cable or plug becomes frayed or otherwise damaged.***
- ***Confirm that the wall outlet is near the machine and freely accessible, so that in event of an emergency, it can be unplugged easily.***
- ***Only connect the machine to the power source described in the manual.***
- ***Avoid multi-wiring.***
- ***Do not damage, break or make any modifications to the power cord. Do not place heavy objects on it, pull it hard or bend it more than necessary. These actions could cause an electric shock or fire.***
- ***To avoid hazardous electric shock or laser radiation exposure, do not remove any covers or screws other than those specified in this manual.***
- ***Turn off the power and disconnect the power plug (by pulling the plug, not the cable) if any of the following conditions exists:***
  - ***You spill something into the equipment.***
  - ***You suspect that your equipment needs service or repair.***
  - ***Your equipment's cover has been damaged.***
- ***Do not incinerate spilled toner or used toner. Toner dust might ignite when exposed to an open flame.***
- ***Disposal should take place at our authorized dealer or at appropriate collection sites.***
- ***Dispose of the used toner cartridge in accordance with the local regulation.***
- ***Do not take apart or attempt any modifications to this machine. There is a risk of fire, electric shock, explosion or loss of sight. If the machine has laser systems, there is a risk of serious eye damage.***
- ***Do not place the IC2 lithium battery near or into fire, or it will explode and cause a burn.***
- ***The User Account Enhance Unit installed on the controller board has a IC2 lithium battery which can explode if replaced incorrectly. Replace the User Account Enhance Unit only with the indicated one.***

⚠ *CAUTION:*

- *Do not eat or swallow toner.*
- *Keep toner (used or unused) and toner cartridge out of reach of children.*
- *Protect the equipment from dampness or wet weather, such as rain, snow, and so on.*
- *Unplug the power cord from the wall outlet before you move the equipment. While moving the equipment, you should take care that the power cord will not be damaged under the equipment.*
- *When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).*
- *Do not allow paper clips, staples, or other small metallic objects to fall inside the equipment.*
- *For environmental reasons, do not dispose of the equipment or expended supply waste at household waste collection points. Disposal can take place at an authorized dealer or at appropriate collection sites.*
- *The inside of the machine becomes very hot. Do not touch the parts with a "⚠" label (means hot surface). Touching a part with a "⚠" label (means hot surface) could result in a burn.*
- *The fusing unit becomes very hot. When installing the new fusing unit, turn off the printer and wait about 30 minutes. After that, install the new fusing unit. Not waiting for the unit to cool down can result in a burn.*
- *Do not pull out the fusing unit forcefully. It may cause the unit to fall and result in an injury.*
- *When touching the fusing unit, do not touch any areas other than the handle as it may cause a burn.*
- *Do not put an object on the right cover when it is open.*

⚠ *CAUTION:*

- *When removing misfed paper, do not touch the fusing unit because it could be very hot.*
- *To prevent an injury, this printer should be lifted by at least two people.*
- *When moving the machine, each person should hold the handles that are located on opposite sides, and then lift it slowly. Lifting it carelessly or dropping it may cause an injury.*
- *Before installing options, the machine should be turned off and unplugged for at least half an hour. Components inside the machine become very hot, and can cause a burn if touched.*
- *When moving the Paper Feed Unit, hold the handles that are located on the top of the unit, and then lift it slowly. Lifting it carelessly or dropping it may cause an injury.*
- *Do not touch the inside of the controller board compartment. It may cause a machine malfunction or a burn.*
- *Keep the machine away from humidity and dust. A fire or an electric shock might occur.*
- *Place the machine on a strong and level surface. Otherwise, the machine might fall and result in an injury.*
- *If you use the machine in a confined space, confirm that there is a continuous flow of air.*
- *When pulling the paper tray out, be careful not to pull it strongly. If you do, the tray might fall and cause an injury.*
- *This product uses low frequency electromagnetic fields and may cause harmful interference to sensitive medical implant devices. If you have a cardiac pacemaker or implantable defibrillator, please consult your doctor for additional suggestion or advice.*

ENERGY STAR Program

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

The ENERGY STAR Guidelines intend to establish an international energy-saving system for developing and introducing energy-efficient office equipment to deal with environmental issues, such as global warming.

When a product meets the ENERGY STAR Guidelines for energy efficiency, the Partner shall place the ENERGY STAR logo onto the machine model.

This product was designed to reduce the environmental impact associated with office equipment by means of energy-saving features, such as Low-power mode.

❖ Low-power Mode (Energy Saver mode)

This printer automatically lowers its power consumption 60 minutes after the last operation has been completed. To exit Low-power (Energy Saver) mode, press any key on the control panel. For more information about how to configure Energy Saver mode, see "*Making Printer Settings with Control Panel*" in the Administrator Reference on the CD-ROM labeled "Operating Instructions".

❖ Specifications

Energy Saver mode	Power Consumption	15 W or less
	Default Time	60 minutes
	Recovery Time	3 seconds or less

How to Read This Manual

Symbols

In this manual, the following symbols are used:

⚠ ***WARNING:***
This symbol indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

⚠ ***CAUTION:***
This symbol indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

* The statements above are notes for your safety.

Important
If this instruction is not followed, paper might be misfed or data might be lost. Be sure to read this.

Preparation
This symbol indicates the prior knowledge or preparations required before operating.

Note
This symbol indicates precautions for operation, or actions to take after misoperation.

Limitation
This symbol indicates numerical limits, functions that cannot be used together, or conditions in which a particular function cannot be used.

Reference
This symbol indicates a reference.

[ ]
Keys that appear on the machine's panel display.

Keys and buttons that appear on the computer's display.

【 】
Keys built into the machine's control panel.

Keys on the computer's keyboard.

Features of this Printer

❖ **High Image Quality**

True 1200 x 1200 dpi resolution provides high resolution. You can print various business documents in fine detail from presentations and newsletters containing illustrations or graphics to catalogues, ads, and pictures. In addition, the built-in automatic color registration function assures high image quality at all times.

❖ **High Performance**

By using an intermediate transfer belt with the single path method, we've achieved short paper path architecture equivalent to the single drum method. This printer is as compact as a monochrome printer but offers high performance output of 20 pages per minute (ppm) in black and white and 16 ppm in full color. The printer performs duplex printing at the same speed as simplex printing with the Interleave function installed. Also, by using induction-heating technology in the fusing unit, a short warm-up time after turning the printer on has been achieved and also the recovery time from the Energy Saver mode has been reduced for fast printout when you want to print immediately. The printer also comes with our advanced-technology high-speed controller that allows fast printing and time saving on the total printing time for large-volume data.

❖ **Ease of Use**

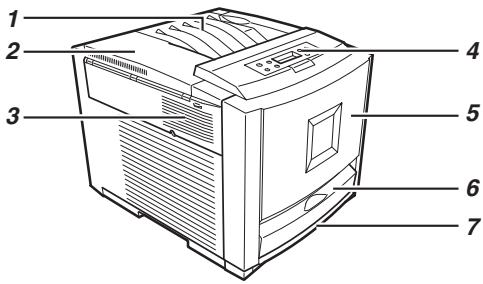
With a compact body like our other A4 20-ppm monochrome printer, it takes up minimum space. Also, the optional duplex unit is installed on the front cover so you don't need extra space or cover opening space. Replacing consumables is easy so you don't need to spend time on maintenance.

By using induction-heating technology in the fusing unit, we've reduced the time to reach the fusing temperature. And, the printer can reduce power consumption to the lowest level possible when idle.

Many different interface options such as a USB 2.0 interface or wireless LAN can be installed in the printer according to your requirements.

Guide to the Printer

Exterior: Front View



ZHBH020E

1. Standard Tray

Output is stacked here with the print side down.

2. Upper Left Cover

Open this cover when replacing toner cartridges.

3. Ventilator

The ventilator helps to keep the components inside the printer from overheating. Do not block the ventilator as it may cause a printer malfunction due to overheating.

4. Control Panel

Contains keys for printer control and a panel display that shows the printer status.

5. Front Cover

Open this cover when replacing the fusing unit or transfer roller, installing the Duplex Unit, or removing misfed paper.

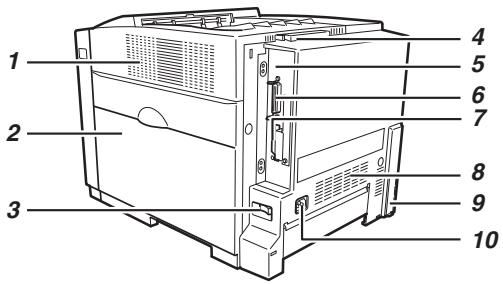
6. Bypass Tray

Use to print onto thick paper, OHP transparencies, custom size paper, and envelopes as well as plain paper. When printing on custom size paper , printer driver settings are required.

7. Tray 1

Up to 530 sheets of plain paper can be loaded.

Basic Model Printer Exterior: Rear View



ZHBH031E

1. Ventilator

The ventilator helps to keep the components inside the printer from overheating. Do not block the ventilator as it may cause a printer malfunction due to overheating.

2. Right Cover

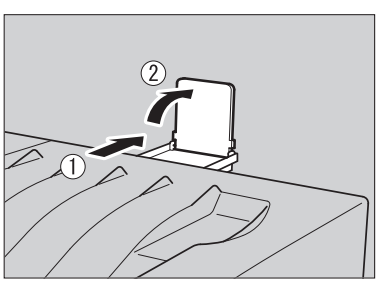
Open this cover when replacing photo conductor units, the transfer belt or waste toner bottle.

3. Power Switch

Use this switch to turn the power on and off.

4. Standard Tray Extension

Pull out this extension when printing on paper of its length is longer than that of A4 or 8 $^1/_2$″ × 11″.



ZHBH700E

5. Controller Board

Slide this out when installing options such as Memory Unit, Printer Hard Disk, 1394 Interface Unit, 802.11b Interface Unit, USB2.0 Interface Unit or User Account Enhance Unit.

6. Parallel Port

Use a parallel cable to connect the printer to the computer.

7. USB Port

Use a USB cable to connect the printer to the host computer.

8. Ventilator

The ventilator helps to keep the components inside the printer from overheating. Do not block the ventilator as it may cause a printer malfunction due to overheating

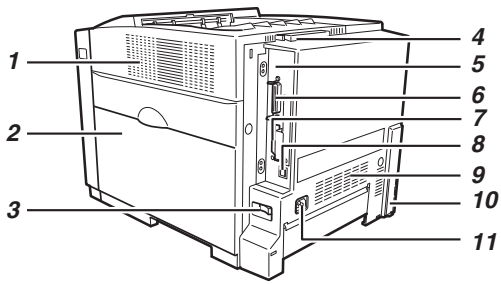
9. Optional Paper Feed Unit Connector

Use the Paper Feed Unit connector to connect the printer to the Paper Feed Unit.

10. Power Port

Connect the power cable to this port and the other end of the cable to the outlet.

Network Standard Model Exterior: Rear View



ZHBH030E

1. Ventilator

The ventilator helps to keep the components inside the printer from overheating. Do not block the ventilator as it may cause a printer malfunction due to overheating.

2. Right Cover

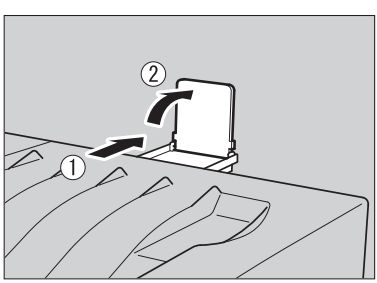
Open this cover when replacing photo conductor units, the transfer belt or waste toner bottle.

3. Power Switch

Use this switch to turn the power on and off.

4. Standard Tray Extension

Pull out this extension when printing on paper of its length is longer than that of A4 or 8 $^1/_2$" × 11".



ZHBH700E

5. Controller Board

Slide this out when installing options such as Memory Unit, Printer Hard Disk, 1394 Interface Unit, 802.11b Interface Unit, USB2.0 Interface Unit or User Account Enhance Unit.

6. Parallel Port

Use a parallel cable to connect the printer to the computer.

7. USB Port

Use a USB cable to connect the printer to the host computer.

8. Ethernet Port

Use a network interface cable to connect the printer to the network.

9. Ventilator

The ventilator helps to keep the components inside the printer from overheating. Do not block the ventilator as it may cause a printer malfunction due to overheating

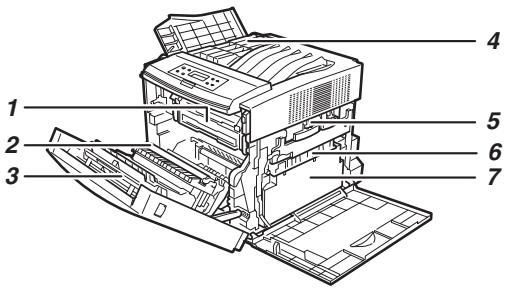
10. Optional Paper Feed Unit Connector

Use the Paper Feed Unit connector to connect the printer to the Paper Feed Unit.

11. Power Port

Connect the power cable to this port and the other end of the cable to the outlet.

Inside



ZHBH040E

1. Fusing Unit

Fuses the image on paper.

When "Replace Fusing Unit" appears on the panel display, replace this unit.

2. Transfer Roller

When "Replace Fusing Unit" appears on the panel display, replace this roller.

3. Duplex Unit (optional for Basic Model Printer)

Use to print on both sides of paper.

4. Toner Cartridges

When "Add Toner (color)" appears on the panel display, replace the indicated color of the toner cartridge.

5. Photo Conductor Unit Color/Black

When "Replace Color PCU" or "Replace Black PCU" appears on the panel display, replace the indicated Photo Conductor Unit.

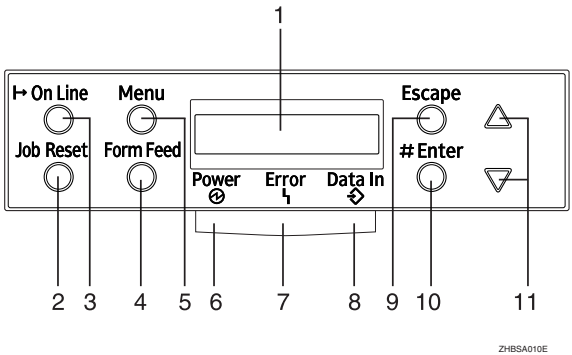
6. Transfer Belt

When "Replace Transfer Belt" appears on the panel display, replace this unit.

7. Waste Toner Bottle

Collects waste toner. When "Replace Waste Toner" appears on the panel display, replace this bottle.

Control Panel



1. Panel Display

Shows the current status of the printer and error messages.

2. 【Job Reset】 Key

When the printer is online, press this key to cancel any ongoing print job.

3. 【On Line】 Key

Indicates whether the printer is online or offline.

Press this key to switch between online and offline.

When the lamp is lit, the printer is online, enabling data reception from the host computer.

When the lamp is off, the printer is offline, disabling data reception from the host computer.

Press this key to return to the ready condition.

4. 【Form Feed】 Key

When the printer is offline, press this key to print all the data left in the printer's input buffer.

You can use this to force the printer to print the data received in the online status when the paper size or type does not match with the actual set size or type.

5. 【Menu】 Key

Press this key to make and check the current printer settings.

6. Power Indicator

Power indicator is on while the power switch is on. Power indicator is off when the power is turned off or while the printer is in Energy Saver mode.

7. Error Indicator

Lights when a printer error occurs. Goes off when the printer goes in Energy Saver mode.

8. Data In Indicator

Blinks while the printer is receiving data from a computer. Stays on when there is data to be printed.

9. 【Escape】 Key

Press this key to return to the previous condition on the panel display.

10. 【Enter #】 Key

Press this key to execute menu items selected on the panel display.

11. 【▲】【▼】 Keys

Use these keys to increase or decrease values on the panel display when making settings. Keep pressing the key to quicken scrolling, and increase or decrease values on the panel display in units of 10.

Paper and Other Media Supported by This Printer

Paper Sizes

This section describes the paper size, feed direction, and the maximum amount of paper that can be loaded into each paper tray in this printer.

Note

❒ The following symbols and terminology are used to represent the feed direction.

In this manual	On the panel display	Paper feed direction
↑ (Feed direction)	A4 (210 × 297) 8 1/2 × 11	Short-edge feed direction

❒ Be careful of the paper feed direction. The direction is determined for each paper size.

❖ **Input Paper Sizes (Metric version)**

	Feed direction	Size (mm)	Bypass Tray	Tray 1	Paper Feed Unit (Tray 2/3)
A4		210 × 297	☆	◎	◎
B5 JIS		182 × 257	☆	◎	◎
A5		148 × 210	☆	×	×
A6		105 × 148	☆	×	×
Legal (LG, $8^1/_2 \times 14$ inches)		216 × 356	☆	◎	◎
Letter (LT, $8^1/_2 \times 11$ inches)		216 × 279	☆	◎	◎
$5^1/_2 \times 8^1/_2$ inches		140 × 216	☆	×	×
Executive (Exec., $7^1/_4 \times 10^1/_2$ inches)		184 × 276	☆	×	×
Folio ($8^1/_4 \times 13$ inches)		210 × 330	☆	×	×
Foolscap (F4, $8^1/_2 \times 13$ inches)		216 × 330	☆	×	×
F/GL (8 × 13 inches)		203 × 330	☆	×	×
Com#10 Env ($4\ ^1/_8 \times 9\ ^1/_2$ inches)		104.8 × 241.3	☆	×	×

	Feed direction	Size (mm)	Bypass Tray	Tray 1	Paper Feed Unit (Tray 2/3)
C5 Env (6.38 × 9.02 inches)	▯	162 × 229	☆	×	×
C6 Env (4.49 × 6.38 inches)	▯	114 × 162	☆	×	×
DL Env (4.33 × 8.66 inches)	▯	110 × 220	☆	×	×
Monarch Env ($3\,^7/_8 \times 7\,^1/_2$ inches)	▯	98.4 × 190.5	☆	×	×
Custom Size	-	-	★	×	×
16K ($7.68 \times 10^1/_2$ inches)	▯	195 × 267	☆	×	×

- ◎
  Means that the size is supported and the printer selects the paper size automatically.
- ☆
  Means that the size is supported. See p.24 “Loading Paper in the Bypass Tray”.
- ★
  Means that the size is supported but the paper size should be set with the control panel as a custom size. The supported size is approximately 90 - 216 mm in width and 148 - 356 mm in length.
- ×
  Means that the size is not supported.

❖ Input Paper Sizes (Inch version)

	Feed direction	Size (inch)	Bypass Tray	Tray 1	Paper Feed Unit (Tray 2/3)
Legal (LG)	▯	$8^1/_2 \times 14$	☆	◎	◎
Letter (LT)	▯	$8^1/_2 \times 11$	☆	◎	◎
$5\,^1/_2 \times 8\,^1/_2$ inches	▯	$5^1/_2 \times 8^1/_2$	☆	×	×
Executive (Exec.)	▯	$7^1/_4 \times 10^1/_2$	☆	×	×
A4	▯	8.26 × 5.83	☆	◎	◎
B5 JIS	▯	7.17 × 10.12	☆	◎	◎
A5	▯	5.83 × 8.26	☆	×	×
A6	▯	4.13 × 5.63	☆	×	×

	Feed direction	Size (inch)	Bypass Tray	Tray 1	Paper Feed Unit (Tray 2/3)
Folio	▯	$8^1/_4 \times 13$	☆	×	×
Foolscap F4	▯	$8^1/_2 \times 13$	☆	×	×
F/GL	▯	8×13	☆	×	×
Com#10 Env	▯	$4\ ^1/_8 \times 9\ ^1/_2$	☆	×	×
C5 Env	▯	6.38×9.02	☆	×	×
C6 Env	▯	4.49×6.38	☆	×	×
DL Env	▯	4.33×8.66	☆	×	×
Monarch Env	▯	$3\ ^7/_8 \times 7\ ^1/_2$	☆	×	×
Custom Size	-	-	★	×	×
16K	▯	$7.68 \times 10^1/_2$	☆	×	×

- ◎
  Means that the size is supported and the printer selects the paper size automatically.
- ☆
  Means that the size is supported. See p.24 “Loading Paper in the Bypass Tray”
- ★
  Means that the size is supported but the paper size should be set with the control panel as a custom size. The supported size is approximately 3.5 - 8.5 inches in width and 5.8 - 14 inches in length.
- ×
  Means that the size is not supported.

❖ Paper weight and number of sheets to be set

	Supported paper weight	Maximum number of sheets (plain paper) *1
Tray 1	60 - 105 g/m^2 (16 - 28 lb. Bond)	530 (80 g/m^2, 20 lb. Bond)
Bypass Tray	60 - 165 g/m^2 (16 - 90 lb. Index)	100 (80 g/m^2, 20 lb. Bond)
PAPER FEED UNIT Type 3000	60 - 105 g/m^2 (16 - 28 lb. Bond)	530 (80 g/m^2, 20 lb. Bond)

*1 Confirm that the top of the stack is not higher than the limit mark inside the tray.

Paper Recommendations

Loading Paper

Important

❒ Do not use paper that is meant for an ink-jet printer, or it may stick to the fusing unit and cause a paper misfeed.

❒ Set the paper as described below
- Tray 1: Print side facing up
- Paper Feed Unit: Print side facing up
- Bypass Tray: Print side facing down

❒ Print quality cannot be guaranteed if paper other than the ones recommended is used. For more information about recommended paper, contact your sales or service representative.

Storing Paper

- Paper should always be stored properly. Improperly stored paper might result in poor print quality, paper misfeeds, or printer damage. Recommendations are as follows:
  - Avoid storing paper in humid areas.
  - Avoid exposing paper to direct sunlight.
  - Store on a flat surface.
- Keep paper in the package in which the paper came.

Types of Paper and Other Media

❖ Plain Paper

- Plain paper refers to paper up to 105 g/m^2 (28 lb. Bond). If you print on paper heavier than 105 g/m^2 (28 lb. Bond), use the Bypass Tray.
- Any input tray can be used.
- Tray 1 can hold up to 530 sheets.
  PAPER FEED UNIT Type 3000 can hold up to 530 sheets.
  (Up to two units can be installed to the printer.)
  The Bypass Tray can hold up to 100 sheets.
  Confirm that the top of the stack is not higher than the limit mark inside the tray.
- The Bypass Tray supports custom size paper approximately 90 to 216 mm (3.5 to 8.5 inches) in width, and approximately 148 to 356 mm (5.8 to 14 inches) in length.

- When printing on the reverse side of plain paper that has been already printed on, load it on the Bypass Tray with print side down, and then select **[Plain:Dup. Back]** with the control panel or the printer driver. Only the Bypass Tray supports this function.

❖ Thick Paper

- Thick paper refers to paper between 106 g/m^2 (28.2 lb. Bond) to 165 g/m^2 (90 lb. Index).
- Use the Bypass Tray and select the thick paper mode with the control panel or printer driver. Tray 1 or Paper Feed Unit cannot be used.
- Confirm that the top of the stack is not higher than the limit mark inside the tray.
- When printing on the reverse side of thick paper that has been already printed on, load it on the Bypass Tray with print side down, and then select **[Thick:Dup. Back]** with the control panel or the printer driver. Only the Bypass Tray supports this function.

Note

❒ The number of sheets to be set may vary depending on the paper thickness and paper type.

❒ There may be noise when printing on thick paper. This is not a malfunction.

❖ Thin Paper

- Thin paper refers to paper between 60g/m^2 (16 lb.Bond) to 70g/m^2 (19 lb.Bond).
- Set the printer to Thin Paper mode using the control panel.

Reference

See “Specifying a paper type” or p.27 “Specifying a paper type for the Bypass Tray”.

❖ Glossy Paper

- Glossy paper refers to paper 130 g/m2 (100 lb Text).
- Use the Bypass Tray and select glossy paper mode with the printer driver. Tray 1 or Paper Feed Unit cannot be used.

❖ OHP transparencies

When printing on an OHP transparency that has a print side, be sure to print on the print side. Otherwise, it may stick to the fusing unit and cause a paper misfeed.

Print quality cannot be guaranteed if OHP transparencies other than the ones recommended is used. For more information about recommended OHP transparency, contact your sales or service representative.

- Use the Bypass Tray. Tray 1 or Paper Feed Unit cannot be used.
- The Bypass Tray can hold up to 50 sheets.

- Separate stuck OHP transparencies every time before printing.
- If OHP transparencies stick together when they feed, set them on the tray one by one or select "Slip sheet" in the printer driver. For more information about using "Slip sheet", see the printer driver's Help.
- Confirm that the top of the stack is not higher than the limit mark inside the tray.
- When printing on OHP transparencies, select the Transparency mode with the control panel or the printer driver.
- Remove OHP transparencies from the tray after use to prevent them from sticking to each other.

❖ Envelopes

- Use the Bypass Tray. Tray 1 and the Paper Feed Unit cannot be used.
- The Bypass Tray can hold up to 10 envelopes.
- Load envelopes in the Bypass Tray with the print side down.
- Load only one size and type of envelope at a time.
- Do not forcibly push envelopes when loading.
- Confirm that the top of the stack is not higher than the limit mark inside the tray.
- Use flat envelopes with no curl. If they have a curl, flatten them.
- Use completely flat envelopes that contain no air inside.
- Do not print on both sides of envelopes.
- Do not use the following envelopes:
  Envelopes with multiple flaps
  Envelopes with a peel-off adhesive strip
  Envelopes with windows or clasps
  Envelopes made of paper that is not supported by this printer (See p.20 “Paper not supported by this printer”)
- We recommend setting the margins to at least 15 mm (0.6 inch) for all four directions.
- Envelopes may wrinkle or print quality may be poor depending on the characteristics of the envelope such as weight and stiffness.
- See p.15 “Paper Sizes” for the supported sizes of envelopes.

❖ Paper not supported by this printer

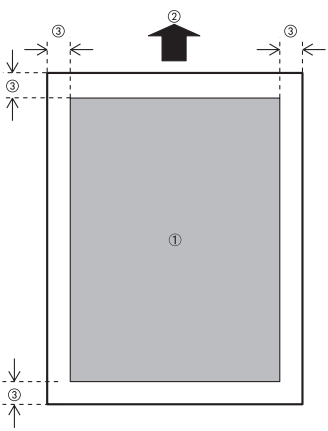
Avoid using the following paper as they are not supported by this printer.

- Paper meant for an ink-jet printer
- Bent, folded, or creased paper
- Curled or twisted paper
- Torn paper
- Wrinkled paper

- Damp paper
- Paper that is dry enough to emit static electricity
- Paper that has already been printed onto, except a preprinted letterhead
- Special paper, such as thermal paper, aluminum foil, carbon paper and conductive paper
- Paper whose weight is heavier or lighter than the limitation.
- Paper with windows, holes, perforations, cutouts, or embossing
- Adhesive label paper on which glue or base paper is exposed
- Paper with clips or staples

Print Area

The following shows the print area for this printer. Be sure to set the print margins correctly by the application.



① : Print area

② : Feed direction

③ : Approx. 5 mm (0.2 inch)

Note

❒ The print area may vary depending on the paper size, printer language and printer driver settings.

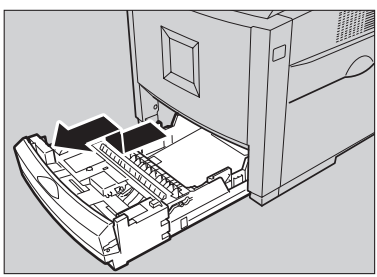
Loading Paper

⚠ ***CAUTION:***

- *When pulling the paper tray out, be careful not to pull it strongly. If you do, the tray might fall and cause an injury.*

Loading Paper in Tray 1/Optional Paper Feed Unit

1 **Pull the paper tray out of the printer until it stops. After that, lift it slightly, and then pull it out completely. Place it on a flat surface.**

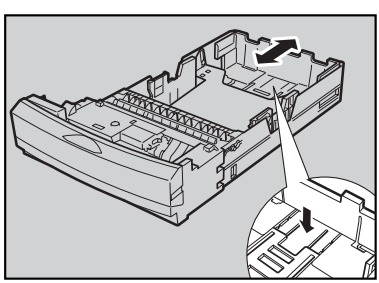


ZHBY010E

Note

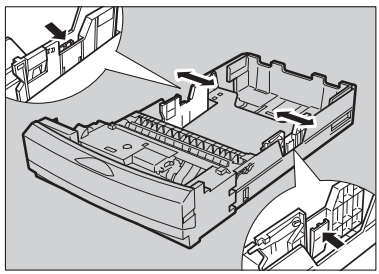
❒ You can not pull Tray 1 out if the Bypass Tray is open.

2 **Press "Push", and then adjust the rear guide to the paper size you want to load.**



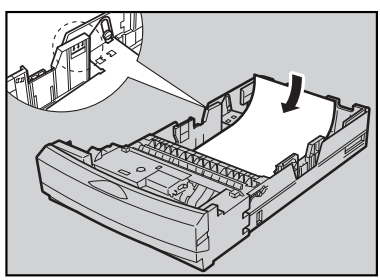
ZHBY040E

3 **Adjust the side guides to the paper size you want to load.**



ZHBY060E

4 **Load paper into the paper tray with the print side up.**



ZHBY020E

Important

❒ Make sure that the top of the stack is not higher than the limit mark inside the tray.

❒ The side guides should be set exactly to the paper size to avoid paper misfeeds.

❒ Do not load different kinds of paper in the tray.

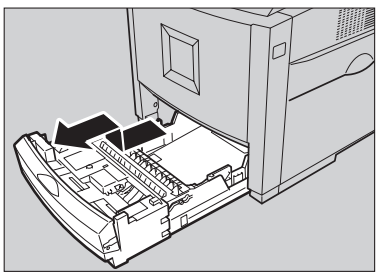
5 **Slide the paper tray completely into the printer.**

Important

❒ Be sure to insert the paper tray completely. Otherwise, misfeeds might occur.

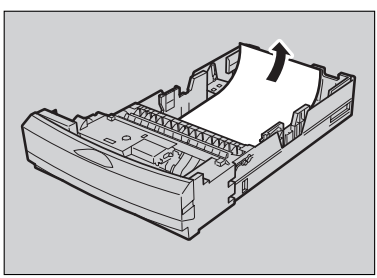
Changing paper size of the paper tray

1 **Pull the paper tray out of the printer until it stops. After that, lift it slightly, and then pull it out completely. Place it on a flat surface**



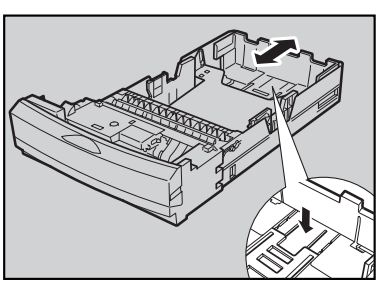
ZHBY010E

2 **Remove the paper.**



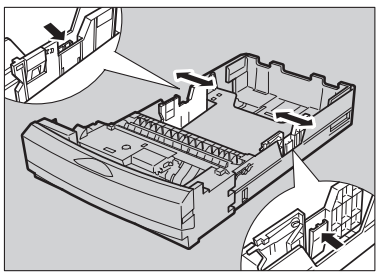
ZHBY030E

3 **Press "Push", and then adjust the rear guide to the paper size you are using.**



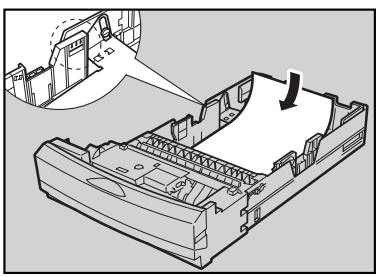
ZHBY040E

4 **Adjust the side guides to the paper size you want to load.**



ZHBY060E

5 **Load paper into the paper tray, with the print side up.**



ZHBY020E

Important

❒ Confirm that the top of the stack is not higher than the limit mark inside the tray.

6 **Slide the paper tray completely into the printer.**

Specifying a paper type

By selecting the paper type you want to load, the printer can perform printing better.

You can select from the following paper types:

- Plain Paper, Recycled Paper, Special Paper, Color Paper, Letterhead, Preprinted, Prepunched, Bond Paper, Cardstock

Note

❒ When selecting "Plain Paper", select either "Thin" or "Normal" for "PlainPaper Type" in the "Maintenance" menu.

1 **Press the [Menu] key.**

"Menu" appears on the panel display.

2 **Press the [▲] or [▼] key to display "Paper Input", and then press the [Enter #] key.**

```
Menu:
 Paper Input
```

3 **Press the [▲] or [▼] key to display "Paper Type", and then press the [Enter #] key.**

```
Paper Input:
 Paper Type
```

4 **Press the [▲] or [▼] key to display "Tray 1", and then press the [Enter #] key.**

```
Paper Type:
 Tray 1
```

5 **Press the [▲] or [▼] key to display the loaded paper type, and then press the [Enter #] key.**

```
Tray 1:
 Recycled Paper
```

In about two seconds, “Menu” appears on the panel display.

6 **Press the [On Line] key.**

"Ready" appears on the panel display.

Loading Paper in the Bypass Tray

In addition to plain paper, you can load thick paper, envelopes, glossy paper and OHP transparencies onto the Bypass Tray.

Note

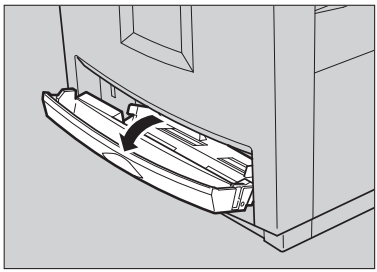
❒ Paper sizes supported by the Bypass Tray can be 90 - 216 mm (3.5 - 8.5 inches) in width, and 148 - 356 mm (5.8 - 14 inches) in length.

❒ The paper size selected with the printer driver overrides the one selected with the control panel. You do not have to make settings with the control panel if you have already made them with the printer driver. However, when using a printer driver other than the RPCS printer driver, you must make the settings using the control panel. For more information about the printer driver, see the printer driver's Help. Also, see p.27 “Specifying a paper type for the Bypass Tray”.

❒ If you load thick paper, or plain or thick paper that has been already printed on one side, make the settings for the paper type with the control panel or the printer driver. See p.26 “Specifying a custom paper size for the Bypass Tray”.

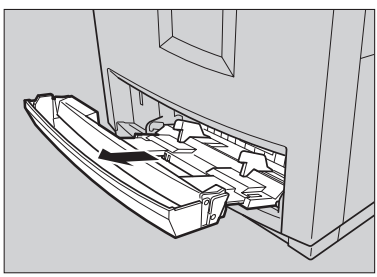
❒ The number of pages that can be loaded in the Bypass Tray differs depending on the paper type.

1 **Open the Bypass Tray.**



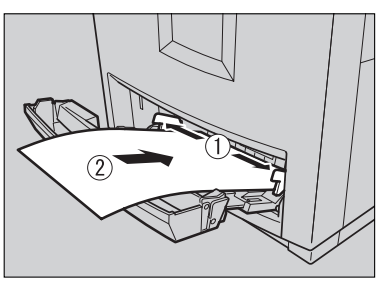
ZHBY070E

2 **Extend the Bypass Tray.**



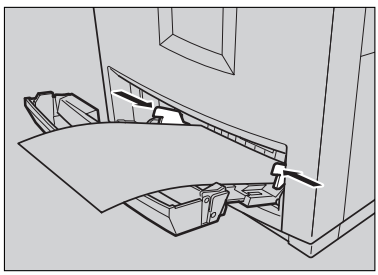
ZHBY080E

3 **Slide the side guides outward①, and then load paper until it stops with the print side down ②.**



ZHBY090E

4 **Adjust the side guides to the paper width.**



ZHBY100E

Important

- ❒ Confirm that the top of the stack is not higher than the limit mark inside the tray.
- ❒ Shuffle the paper before loading the stack onto the tray so multiple sheets are not fed in at the same time.

5 **Set the paper size using the control panel as follows:**

❶ **Press the 【Menu】 key.**

"Menu" appears on the panel display.

❷ **Press the 【▲】 or 【▼】 key to display "Paper Input", and then press the 【Enter #】 key.**

```
Menu:
  Paper Input
```

❸ **Confirm that "Bypass Size" is displayed, and then press the 【Enter #】 key.**

```
Paper Input:
  Bypass Size
```

❹ **Press the [▲] or [▼] key to display the size and direction of the paper in the Bypass Tray.**

```
Bypass Size:
 8 1/2 × 13
```

In about two seconds, “Menu” appears on the panel display.

❺ **Press the [On Line] key.**

"Ready" appears on the panel display.

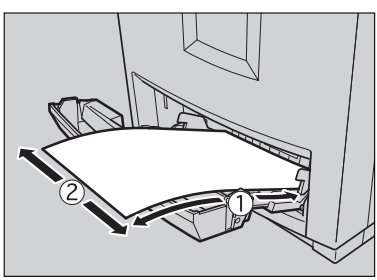
Specifying a custom paper size for the Bypass Tray

Specify the paper size with the control panel when you load custom size paper.

Note

❒ The printer cannot print from applications that do not support custom paper size.

❒ Set the vertical value for ①, and set the horizontal value for ②.



ZHBY110E

1 **Press the [Menu] key.**

"Menu" appears on the panel display.

2 **Press the [▲] or [▼] key to display "Paper Input", and then press the [Enter #] key.**

```
Menu:
 Paper Input
```

3 **Confirm that "Bypass Size" is displayed, and then press the [Enter #] key.**

```
Paper Input:
 Bypass Size
```

4 **Press the [▲] or [▼] key to display "Custom size", and then press the [Enter #] key.**

```
Bypass Size:
 Custom Size
```

5 **Press the [▲] or [▼] key to set the vertical value, and then press the [Enter #] key.**

```
Custom Size:
 Vert.    150mm
```

The unit on the panel display can be changed to inches with the control panel.

6 **Press the [▲] or [▼] key to set the horizontal value, and then press the [Enter #] key.**

```
Custom Size:
 Horiz.   200mm
```

In about two seconds, "Menu" appears on the display panel.

7 **Press the [On Line] key.**

"Ready" appears on the panel display.

Specifying a paper type for the Bypass Tray

By selecting the paper type you want to load, the printer can perform printing better.

You can select from the following paper types:

- Plain Paper, Recycled Paper, Special Paper, Color Paper, Letterhead, Preprinted, Prepunched, Labels (adhesive label paper), Bond Paper, Cardstock, Transparency (OHP transparency), Thick Paper, Plain:Dup.Back (reverse side of plain paper), Thick:Dup.Back (reverse side of thick paper), Glossy Paper

Note

❒ When selecting "Plain Paper", select either "Thin" or "Normal" for "PlainPaper Type" in the "Maintenance" menu.

Important

❒ You must specify the paper type when using thick paper, adhesive label paper, OHP transparencies, or when printing on plain or thick paper that has already been printed on one side.

1 **Press the [Menu] key.**

"Menu" appears on the panel display.

2 **Press the [▲] or [▼] key to display "Paper Input", and then press the [Enter #] key.**

```
Menu:
 Paper Input
```

3 **Press the [▲] or [▼] key to display "Paper Type", and then press the [Enter #] key.**

```
Paper Input:
 Paper Type
```

4 **Press the [▲] or [▼] key to display "Bypass Tray", and then press the [Enter #] key.**

```
Paper Type:
 Bypass Tray
```

5 **Press the [▲] or [▼] key to display the loaded paper type, and then press the [Enter #] key.**

```
Bypass Tray:
 Thick Paper
```

6 **Press the [On Line] key.**

"Ready" appears on the panel display.

3. Replacing Consumables and Maintenance Kit

Toner Cartridge

⚠ ***WARNING:***

- ***Do not incinerate spilled toner or used toner. Toner dust is flammable and might ignite when exposed to an open flame. Disposal should take place at an authorized dealer or an appropriate collection site. If you dispose of the used toner cartridges yourself, dispose of them according to local regulations.***

⚠ ***CAUTION:***

- *Keep toner (used or unused) and the toner cartridge out of reach of children.*

Note

❒ The actual printable numbers vary depending on the image volume and density, number of pages to be printed at a time, paper type and paper size used, and environmental conditions such as temperature and humidity. The quality of toner lowers in time. Because of this, the toner cartridge may require replacement earlier than expected. We recommend that you prepare a new toner cartridge beforehand.

Replace the toner cartridge of the indicated color when the following message appears on the panel display.

```
Add Toner
 XXX/XXX
```

or

```
Toner is Almost
Empty:XXX
```

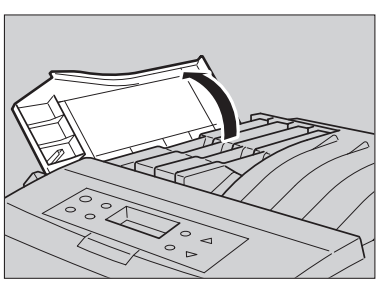
Note

❒ The color is displayed for XXX.

❒ If cyan, magenta or yellow toner runs out, you can print in black and white using the black toner. Change the color mode setting to "Black and White" with the printer driver.

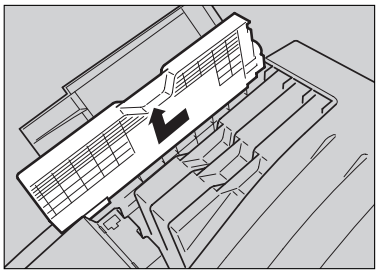
❒ If black toner runs out, printing is not possible until the black toner cartridge is replaced.

1 Open the upper left cover of the printer.



ZHBH440E

2 Remove the toner cartridge for the color you want to replace.



ZHBH900E

You can remove all four cartridges in the same way.

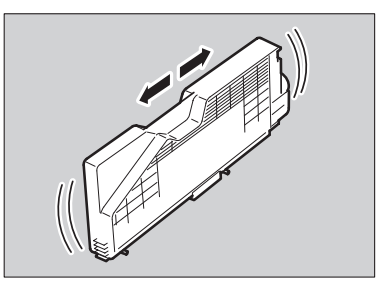
In the illustration, yellow cartridge is used as an example.

Important

❒ Do not shake the removed toner cartridge. The remaining toner may spill.

3 Take out a new toner cartridge from the package.

4 Shake the toner cartridge back and forth about 10 times.

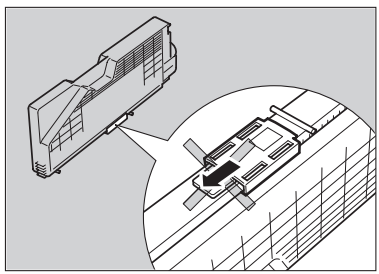


ZHBH460E

In the illustration, black cartridge is used as an example.

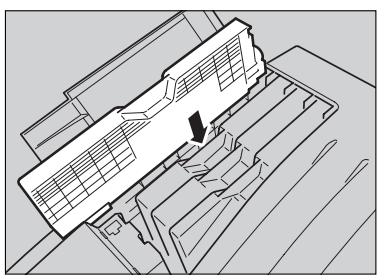
Important

❒ Do not open the shutter at the bottom of the toner cartridge. The toner may spill.



ZHBH470E

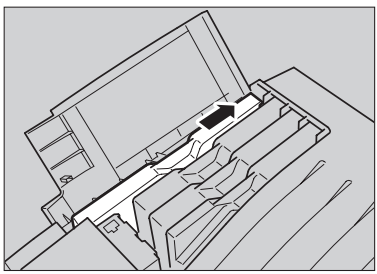
5 Check that the toner color and location are correct, and then insert the toner cartridge vertically and slowly.



ZHBH480E

6 **Insert the toner cartridge in the direction of the arrow.**

You can install all four cartridges in the same way.

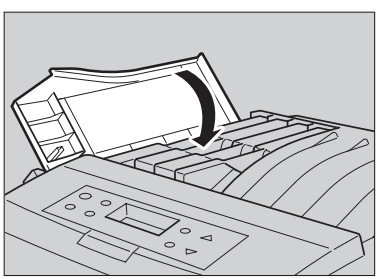


ZHBH490E

Important

❒ Do not repeatedly install and remove the toner cartridges. This could result in a toner leak.

7 **Close the upper left cover of the printer.**



ZHBH500E

Note

❒ If the toner cartridge is not installed properly, you cannot close the upper left cover of the printer.

Waste Toner Bottle Type 125

⚠ ***WARNING:***

- ***Do not incinerate spilled toner or used toner. Toner dust is flammable and might ignite when exposed to an open flame. Disposal should take place at an authorized dealer or an appropriate collection site. If you dispose of the used toner containers yourself, dispose of them according to local regulations.***

⚠ ***CAUTION:***

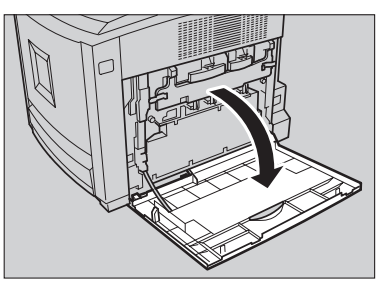
- *Keep toner (used or unused) and the toner cartridge out of reach of children.*
- *Do not put an object on the right cover when it is open.*

Replace the waste toner bottle when the following message appears on the panel display.

```
Replace
Waste Toner
```

1 **Turn off the power.**

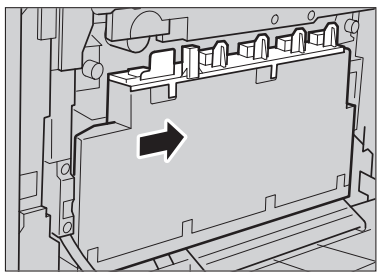
2 **Open the right cover.**



ZHBH290E

3 **Take out a new waste toner bottle from the bag.**

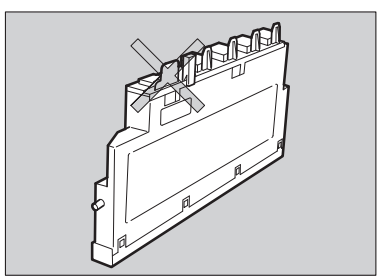
4 **Unlock the waste toner bottle.**



ZHBH630E

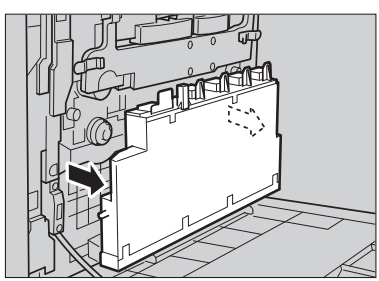
Important

❒ Do not lock the waste toner bottle that has been removed. Toner may spill.



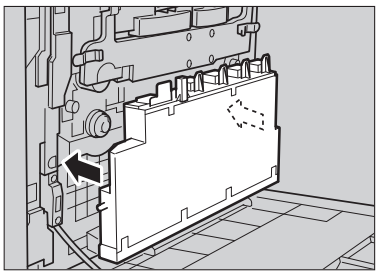
ZHBH640E

5 **Remove the used waste toner bottle slowly.**



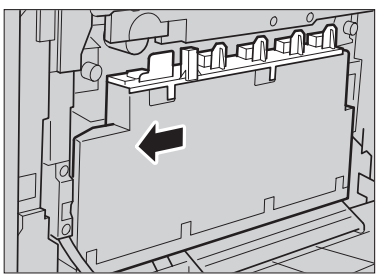
ZHBH650E

6 **Place the new waste toner bottle in the position as shown in the illustration.**



ZHBH660E

7 **Lock the waste toner bottle.**

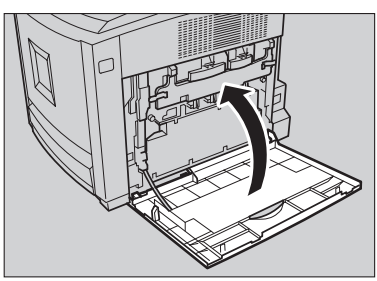


ZHBH670E

Important

❒ Be sure to lock the waste toner bottle to prevent toner from leaking inside the printer.

8 **Close the right cover slowly.**



ZHBH430E

9 **Turn on the power.**

Photo Conductor Unit Type 125 Black/Color

⚠ ***WARNING:***

- ***Do not incinerate spilled toner or used toner. Toner dust is flammable and might ignite when exposed to an open flame. Disposal should take place at an authorized dealer or an appropriate collection site. If you dispose of the used toner containers yourself, dispose of them according to local regulations.***

⚠ ***CAUTION:***

- *Keep toner (used or unused) and the toner cartridge out of reach of children.*
- *Do not put an object on the right cover when it is open.*

Replace the black or color photo conductor unit when the following message appears on the panel display.

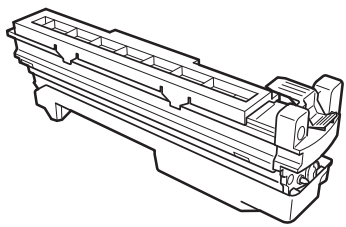
```
Replace
Black PCU
```

or

```
Replace
Color PCU
```

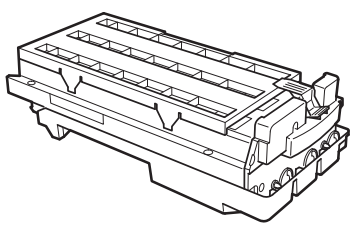
Check the contents of the box for the following items:

❖ **Photo Conductor Unit Type 125 Black**



ZHBH680E

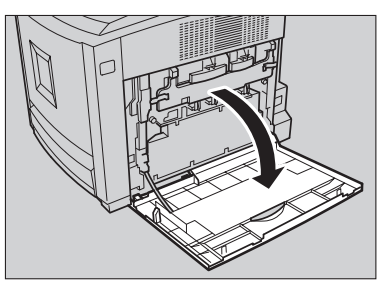
❖ **Photo Conductor Unit Type 125 Color**



ZHBH690E

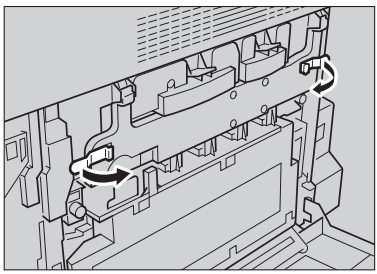
1 **Turn off the power.**

2 **Open the right cover.**



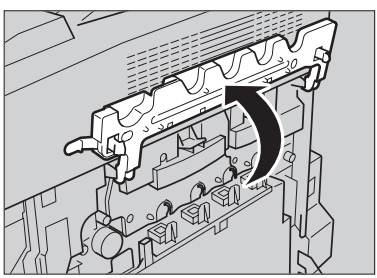
ZHBH290E

3 **Pull out the green levers on the left and right that are fastening the inner cover to unlock the levers.**



ZHBH300E

4 **Lift the inner cover until it stays up.**

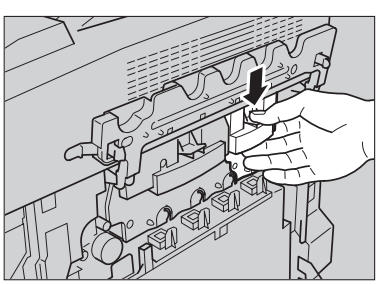


ZHBH310E

5 **Remove the photo conductor unit.**

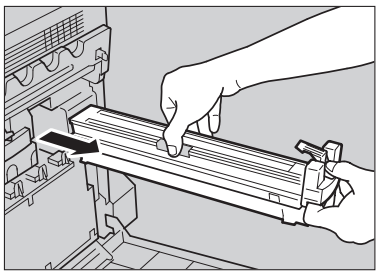
Photo Conductor Unit Type 125 Black

❶ **Pinch the green lever to unlock the unit.**



ZHBH320E

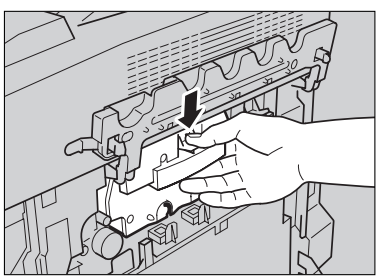
❷ **Pull out the photo conductor unit slowly.**



ZHBH330E

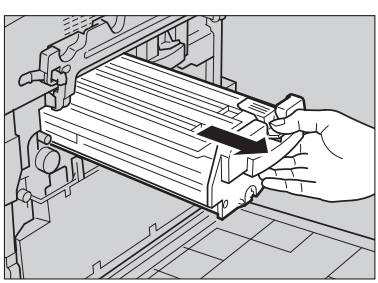
Photo Conductor Unit Type 125 Color

❶ **Pinch the green lever to unlock the unit.**



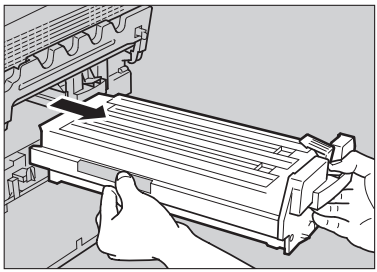
ZHBH340E

❷ **Pull out the photo conductor unit slowly until it stops.**



ZHBH350E

❸ **Pinch the green part to unlock.**



ZHBHa910E

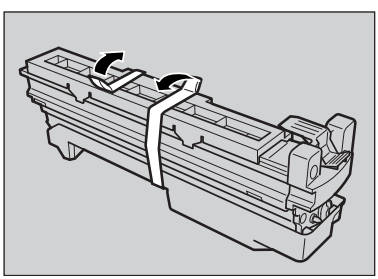
❹ **Pull out the photo conductor unit slowly.**

Important

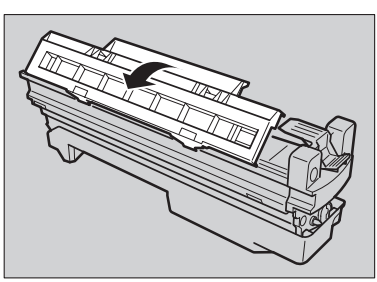
❒ Be sure to hold the unit with both hands, and then pull it out slowly.

6 **Take out the new photo conductor unit.**

7 **Peel off the tape, which is around Photo Conductor Unit by peeling it downward, and remove the cover on top of the Unit.**



ZHBH681E



ZHBHA680E

Important

❒ Do not remove the cover attached to the bottom of the photo conductor unit yet.

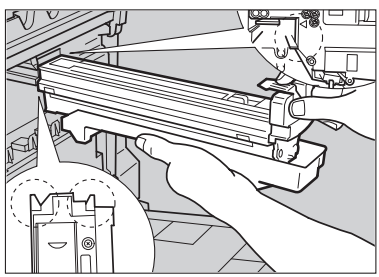
❒ After you take the new Photo Conductor Unit out of the bag, quickly install it.

8 **Align the green arrow at the tip of the photo conductor unit to the rail inside the printer.**

Important

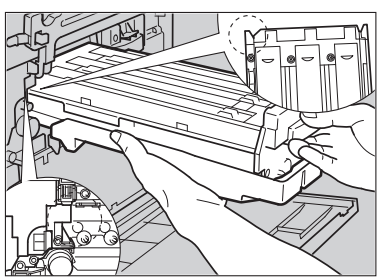
❒ Make sure the green arrow fits securely on the rail before proceeding to the next step.

❖ **Photo Conductor Unit Type 125 Black**



ZHBH370E

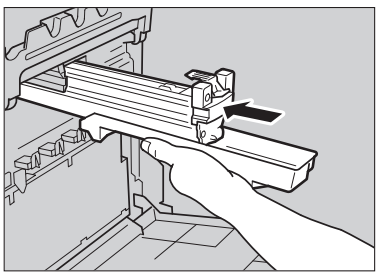
❖ **Photo Conductor Unit Type 125 Color**



ZHBH380E

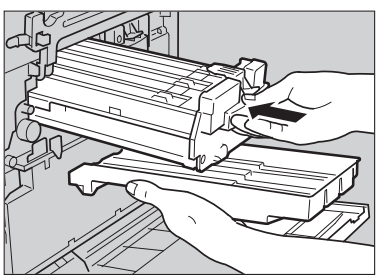
9 **Push the front of the photo conductor unit slowly, sliding the unit on the cover and into the machine until it stops.**

❖ **Photo Conductor Unit Type 125 Black**



ZHBH390E

❖ **Photo Conductor Unit Type 125 Color**

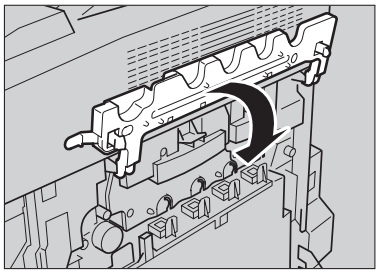


ZHBH400E

Important

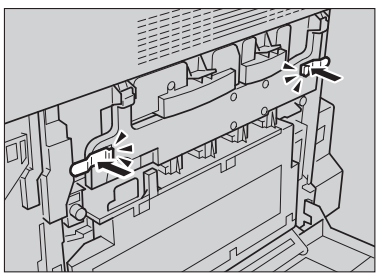
❒ If you do not attach the green arrow of the photo conductor unit securely to the rail, you may damage the photo conductor unit.

10 **Lower the inner cover slowly.**



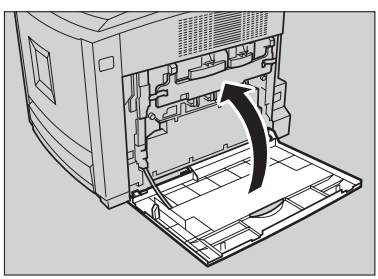
ZHBH410E

11 **Push the green lever to fasten the inner cover.**



ZHBH420E

12 **Close the right cover slowly.**



ZHBH430E

13 **Turn on the power.**

Fusing Unit Type 125

⚠ ***CAUTION:***

- *The inside of the machine becomes very hot. Do not touch the parts with a "⚠" label (means hot surface). Touching a part with a "⚠" label (means hot surface) could result in a burn.*
- *The fusing unit becomes very hot. When installing the new fusing unit, turn off the printer and wait about 30 minutes. After that, install the new fusing unit. Not waiting for the unit to cool down can result in a burn.*
- *Do not pull out the fusing unit forcefully. It may cause the unit to fall and result in an injury.*
- *When touching the fusing unit, do not touch any areas other than the handle as it may cause a burn.*

Replace the fusing unit when the following message appears on the panel display.

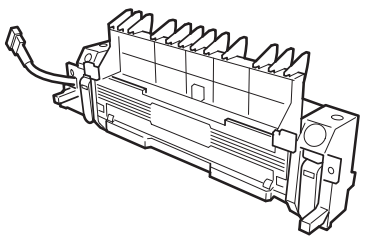
```
Replace Fusing
Unit Soon
```

or

```
Replace
Fusing Unit
```

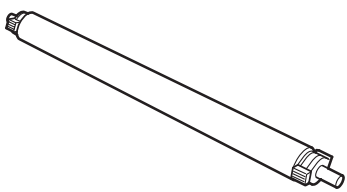
Check the contents of the box for the following items:

❖ **Fusing Unit**



ZHBH200E

❖ **Transfer Roller**



ZHBH590E

Important

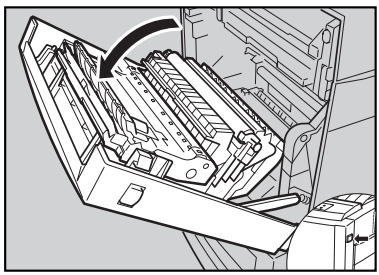
❒ Be sure to make the setting from the control panel after replacing the fusing unit. Without it, the procedure is incomplete.

1 **Turn off the power.**

Important

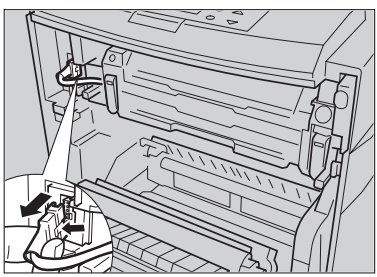
❒ To prevent a burn, after the power is turned off, be sure to wait about 30 minutes until the fusing unit cools down before touching the fusing unit.

2 **Open the front cover by pushing the front cover release button.**



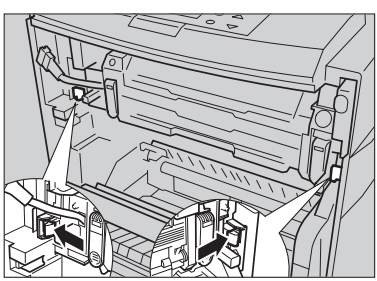
ZHBP281E

3 **Pinch the connector lever, and then pull out the connector.**



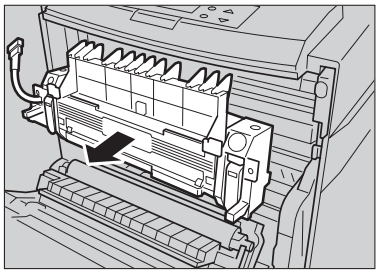
ZHBH210E

4 **Push the green release buttons on the left and right outwards to unlock the fusing unit.**



ZHBH220E

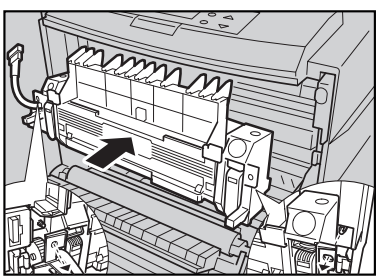
5 **Remove the fusing unit slowly.**



ZHBH230E

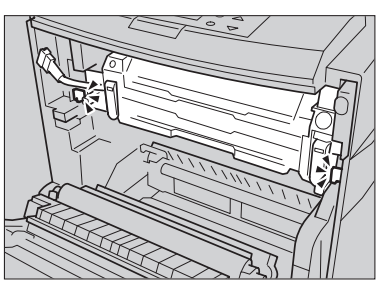
6 **Take out the new fusing unit from the box.**

7 **Place the unit as shown, and then insert the new fusing unit slowly.**



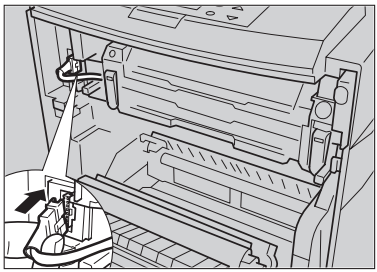
ZHBH240E

8 **Insert the fusing unit until it clicks, and then check that the unit is locked.**



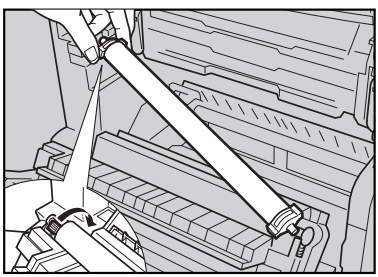
ZHBH250E

9 **Push in the connector.**



ZHBH260E

10 **Turn the green part in the direction of the arrow, and then remove the transfer roller.**

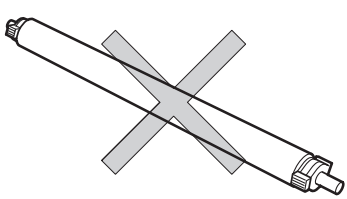


ZHBH600E

11 **Take out the new transfer roller.**

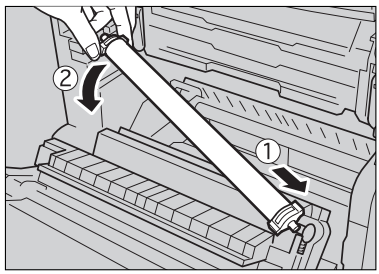
Important

❒ Do not touch the roller part.



ZHBH610E

12 **Hold the green part as shown, and then insert the transfer roller into the printer.**



ZHBH620E

Important

❒ The end with a longer shaft must be on the left.

13 **Close the front cover slowly.**

14 **Turn on the power.**

15 **Make the setting from the control panel.**

When "Replace Fusing Unit" Appears on the Panel Display

❶ **If the following message is on the control panel, press the【Escape】key for more than five seconds. The message disappears and a maintenance reset is performed automatically.**

```
Replace
Fusing Unit
```

When "Replace Fusing Unit Soon" Appears on the Panel Display

❶ **Press the【Menu】key.**

"Menu" appears on the panel display.

❷ **Press the 【▲】 or 【▼】 key to display "Maintenance", and then press the 【Enter #】 key.**

```
Menu:
 Maintenance
```

❸ **Press the 【▲】 or 【▼】 key to display "Maint. Reset", and then press the 【Enter #】 key.**

```
Maintenance:
 Maint. Reset
```

❹ **Press the 【▲】 or 【▼】 key to display "Fusing Unit", and then press the 【Enter #】 key.**

```
Maint. Reset
 Fusing Unit
```

The following message appears.

```
Fusing Unit:
 Press # to Reset
```

❺ **Press the 【Enter #】 key. Wait for a few seconds.**

❻ **Press the 【On Line】 key.**

"Ready" appears on the panel display.

Intermediate Transfer Unit Type 125

⚠ ***CAUTION:***

- *The inside of the machine becomes very hot. Do not touch the parts with a "⚠" label (means hot surface). Touching a part with a "⚠" label (means hot surface) could result in a burn.*

Replace the transfer belt when the following message appears on the panel display.

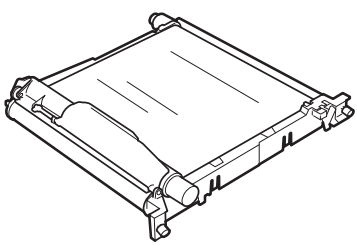
```
Replace Transfer
Belt soon
```

or

```
Replace
Transfer Belt
```

Check the contents of the box for the following items:

❖ **Transfer Belt**



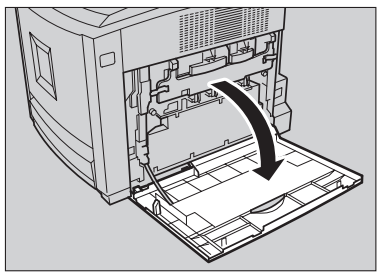
ZHBH510E

Important

❒ Be sure to make the setting from the control panel after replacing the transfer belt. Without it, the procedure is incomplete.

1 **Turn off the power.**

2 **Open the right cover of the printer.**



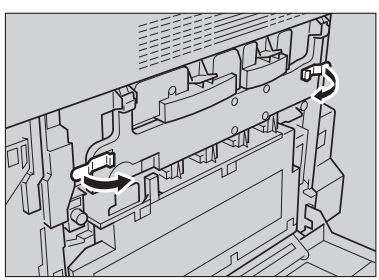
ZHBH290E

3 **Remove the Waste Toner Bottle.**

Reference

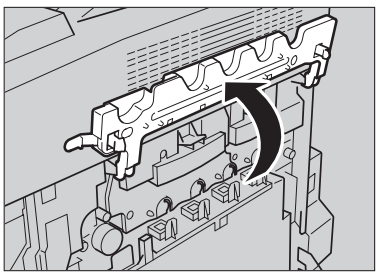
See p.32 “Waste Toner Bottle Type 125”.

4 **Pull out the green levers on the left and right that are fastening the inner cover to unlock the levers.**



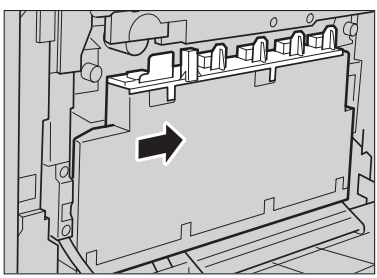
ZHBH300E

5 **Lift the inner cover until it stays up.**



ZHBH310E

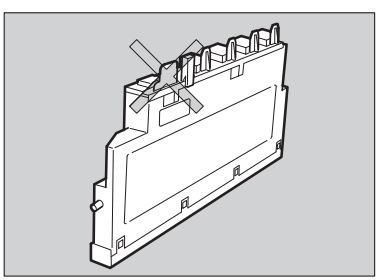
6 **Unlock the waste toner bottle.**



ZHBH630E

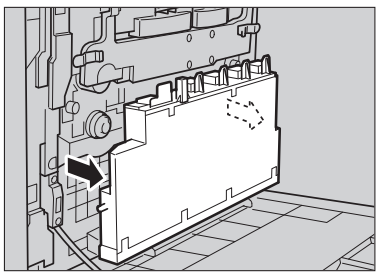
Important

❒ Do not lock the waste toner bottle that has been removed. Toner may spill.



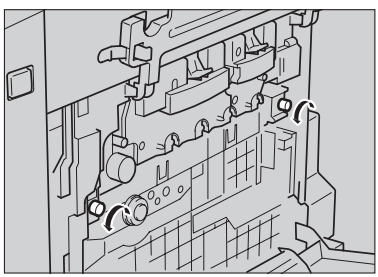
ZHBH640E

7 **Remove the waste toner bottle slowly.**



ZHBH650E

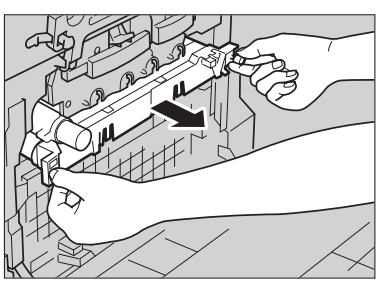
8 **Turn the green screws on the left and right in the direction of the arrows to loosen them.**



ZHBH520E

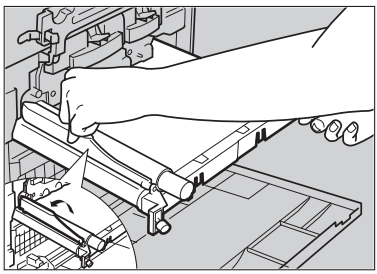
The screws are not removed.

9 **Pinch the both screws and remove the transfer belt slowly until it stops.**



ZHBH530E

10 **Raise the green cover, hold the transfer belt as shown, and then remove the transfer belt.**



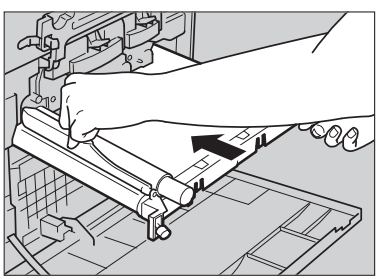
ZHBH540E

Important

- ❒ Be sure to hold the unit with both hands, and then pull it out slowly.
- ❒ Do not touch the belt part.

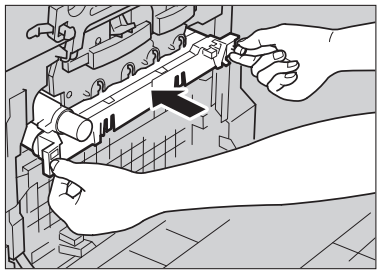
11 **Take out the new transfer belt.**

12 **Holding the transfer belt as shown, insert the transfer belt in the printer.**



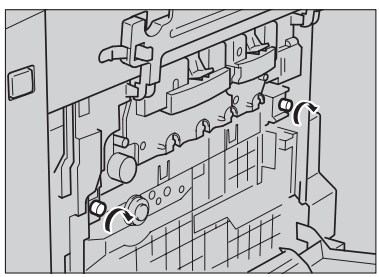
ZHBH560E

13 **Close the green cover, and then insert it until it stops.**



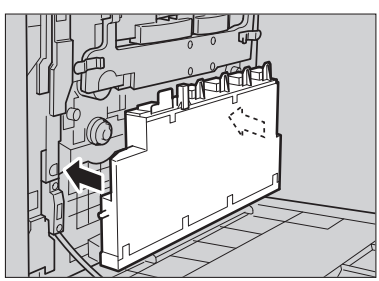
ZHBH920E

14 **Turn the green screws on the left and right in the direction of the arrows to tighten them.**



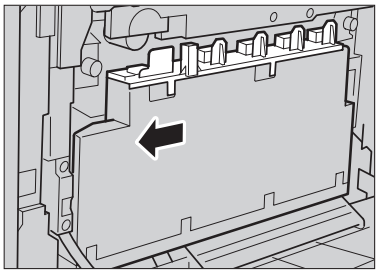
ZHBH580E

15 **Place the waste toner bottle in the position as shown in the illustration.**



ZHBH660E

16 **Lock the waste toner bottle.**

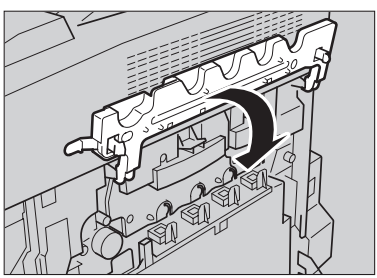


ZHBH670E

Important

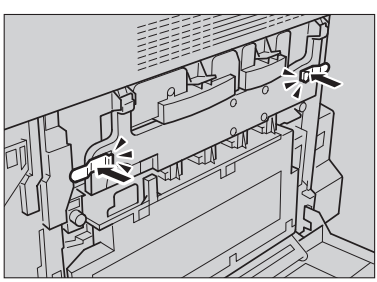
❒ Be sure to lock the waste toner bottle to prevent toner from leaking inside the printer.

17 **Lower the inner cover slowly.**



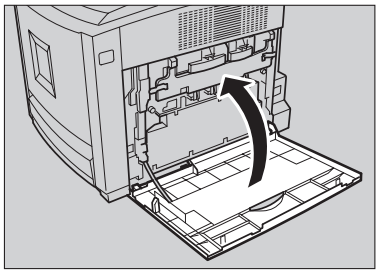
ZHBH410E

18 **Push the green levers to fasten the inner cover.**



ZHBH420E

19 **Close the right cover.**



ZHBH430E

20 **Turn on the power.**

21 **Make the setting from the control panel.**

When "Replace Transfer Belt" Appears on the Panel Display

❶ **If the following message is on the control panel, press the 【Escape】 key for more than five seconds. The message disappears and a maintenance reset is performed automatically.**

When "Replace Transfer Belt Soon" Appears on the Panel Display

❶ **Press the 【Menu】 key.**

"Menu" appears on the panel display.

❷ **Press the 【▲】 or 【▼】 key to display "Maintenance", and then press the 【Enter #】 key.**

```
Menu:
 Maintenance
```

❸ **Press the [▲] or [▼] key to display "Maint. Reset", and then press the [Enter #] key.**

```
Maintenance:
 Maint. Reset
```

❹ **Press the [▲] or [▼] key to display "Transfer Belt", and then press the [Enter #] key.**

```
Maint. Reset:
 Transfer Belt
```

The following message appears.

```
Transfer Belt:
Press # to Reset
```

❺ **Press the [Enter #] key.**

Wait for a few seconds.

❻ **Press the [On Line] key.**

"Ready" appears on the panel display.

4. Cleaning and Adjusting the Printer

Cautions to Take When Cleaning

⚠ ***WARNING:***

- ***Do not remove any covers or screws other than those specified in this manual. Some parts of the machine are at a high voltage and could give you an electric shock. Also, if the machine has laser systems, direct (or indirect) reflected eye contact with the laser beam may cause serious eye damage. When the machine needs to be checked, adjusted, or repaired, contact your service representative.***
- ***Do not take apart or attempt any modifications to this machine. There is a risk of fire, electric shock, explosion or loss of sight. If the machine has laser systems, there is a risk of serious eye damage.***

⚠ ***CAUTION:***

- *When removing misfed paper, do not touch the fusing unit because it could be very hot.*

Clean the printer periodically to maintain fine printing.

Dry wipe the exterior with a soft cloth. If dry wiping is not enough, wipe with a soft, wet cloth that is wrung out well. If you still cannot remove the stain or grime, use a neutral detergent, and then wipe over with a well-wrung wet cloth, dry wipe, and let it dry.

Important

❒ To avoid deformation, discoloration, or cracking, do not use volatile chemicals, such as benzine and thinner, or spray insecticide on the printer.

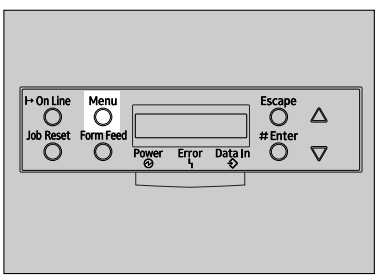
❒ If there is dust or grime inside the printer, wipe with a clean, dry cloth.

Adjusting the Color Registration

When the printer is moved, when the Fusing Unit is replaced, or after printing repeatedly for some time, registration shifting might occur. By performing color registration adjustment, you can maintain optimum print results.

If the color documents show registration shifting, perform automatic color adjustment.

1 **Press the [Menu] key.**



"Menu" appears on the panel display.

2 **Press the [▲] or [▼] key to display "Maintenance", and then press the [Enter #] key.**

```
Menu:
 Maintenance
```

3 **Press the [▲] or [▼] key to display "Color Regist.", and then press the [Enter #] key.**

```
Maintenance:
 Color Regist.
```

The following message appears.

```
Press #
To Adjust
```

4 **Press the [Enter #] key.**

Automatic color adjustment begins, and the following message is displayed.

```
Adjusting...
```

Important

❒ Do not turn off the power switch while "Adjusting..." appears on the panel display to avoid printer malfunction.

Automatic color adjustment takes about two minutes. When it is complete, the following message appears.

```
Completed
```

```
Maintenance:
 Color Regist.
```

Adjusting the Image Density

Adjust the image density when the print side of the page is shaded or the print image looks patchy.

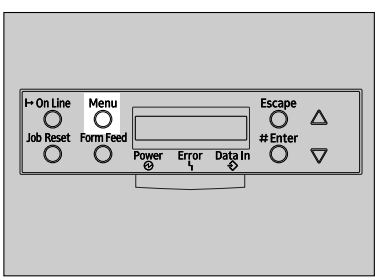
Important

- ❒ Extreme settings may create output that appears dirty.
- ❒ Image density settings should be made from the application or the printer driver whenever possible.

Note

- ❒ Changing the image density setting might cause a deterioration of color balance. We recommend that you leave the image density at its factory default setting.

1 **Press the [Menu] key.**



"Menu" appears on the panel display.

2 **Press the [▲] or [▼] key to display "Maintenance", and then press the [Enter #] key.**

```
Menu:
 Maintenance
```

3 **Press the [▲] or [▼] key to display "Image Density", and then press the [Enter #] key.**

```
Maintenance:
 Image Density
```

The following message appears on the panel display.

```
Image Density:
Prt. Test Sheet
```

4 **Press the [Enter #] key.**

The following message appears on the panel display, and then press the [Enter #] key.

```
Prt.Test Sheet:
Press # to Start
```

```
Printing
```

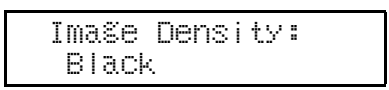
5 **Compare the colors on the printed image density test sheet with those on the Image Density Adjusting Card.**

Note

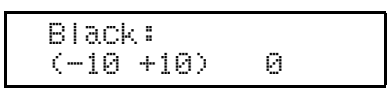
- ❒ If the image density of the Image Density Adjusting Card is equal to the framed part of the test sheet, you do not need to adjust the image density value.

❒ If the image density of the Image Density Adjusting Card is equal to the density shown above the frame, select "-" for the image density setting. If the image density of the Image Density Adjusting Card is equal to the density shown below the frame, select "+" for the image density setting.

6 Press the [▲] or [▼] key to select the color you want to adjust, and then press the [Enter #] key.



7 Press the [▲] or [▼] key to set the image density value, and then press the [Enter #] key.



Note

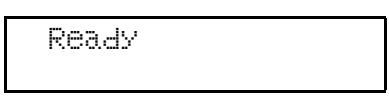
❒ You can adjust the image density in 21 steps from -10 to +10. Increasing the value makes the printouts darker and decreasing the value makes the printouts lighter.

❒ Pressing the [▲] or [▼] key makes the value increase or decrease by one.

To adjust another color, repeat the steps 6 and 7.

8 Press the [On Line] key.

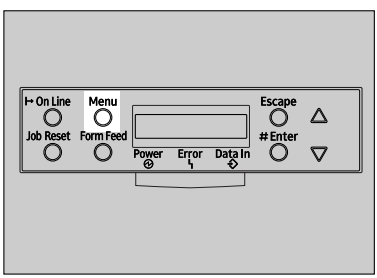
"Ready" appears on the panel display.



Adjusting the Tray Registration

You can adjust the registration of Tray 2 and Tray 3 (optional Paper Feed Unit). The vertical adjustment is used for all trays. Normally, you need not update the registration. But when the optional Paper Feed Unit or the Duplex Unit is installed, updating the registration is useful in some cases. The following procedure describes how to adjust the registration of Tray 2. You can use the same procedure to adjust the other tray as well.

1 **Press the [Menu] key.**



"Menu" appears on the panel display.

2 **Press the [▲] or [▼] key to display "Maintenance", and then press the [Enter #] key.**

```
Menu:
 Maintenance
```

3 **Press the [▲] or [▼] key to display "Registration", and then press the [Enter #] key.**

```
Maintenance:
 Registration
```

4 **Print the test sheet to preview the settings.**

❶ **Confirm that "Prt. Test Sheet" is displayed, and then press the [Enter #] key.**

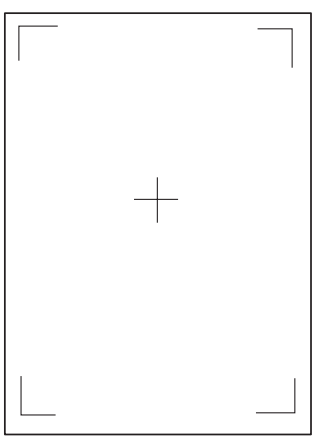
```
Registration:
 Prt. Test Sheet
```

❷ **Press the [▲] or [▼] key to display the tray to adjust, and then press the [Enter #] key.**

```
Prt. Test Sheet:
 Tray 2
```

The test sheet is printed, and then the printer returns to the previous menu.

5 **Confirm the position of the image on the test sheet, and then adjust the registration value.**



The following steps show how to adjust the registration value to make the margins equal.

❶ **Press the 【Escape】 key.**

❷ **Press the 【▲】 or 【▼】 key to display "Adjustment", and then press the 【Enter #】 key.**

```
Registration:
 Adjustment
```

❸ **Press the 【▲】 or 【▼】 key to display the tray to adjust, and then press the 【Enter #】 key.**

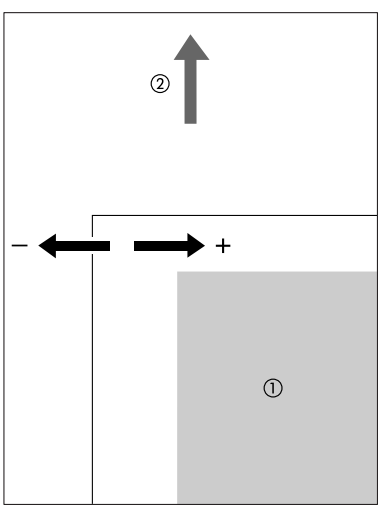
```
Adjustment:
 Horiz.: Tray 2
```

❹ **Press the 【▲】 or 【▼】 key to set the registration value (mm).**

```
Horiz.: Tray 2:
(-15 +15) 0
```

Note

❒ Increase the value to shift the print area in the positive direction, and decrease to shift in the negative direction.



ZDJX900J

① : Print Area

② : Feed Direction

❒ Pressing the 【▲】 or 【▼】 key makes the value increase or decrease by 0.5 mm steps.

❺ **Press the 【Enter #】 key.**

❻ **Press the 【Escape】 key.**

6 Print the test sheet to check the settings you have made.

7 Press the 【On Line】 key.

"Ready" appears on the panel display.

```
Ready
```

Error & Status Messages on the Control Panel

❖ Status Messages

Messages/Second messages	Status
Calibrating…	The printer is calibrating the color. Wait until "Ready" appears on the panel display.
Energy Save Mode	The printer is in Energy Saver (low-power) mode. No action is required.
Hex Dump Mode	The printer receives data in hexadecimal numbers in Hex Dump mode. Turn off the printer after printing, and then turn it back on.
Offline	The printer is offline. Make the printer online by pressing the 【On Line】 key to start printing.
Please Wait	The printer is initializing the development unit or HDD. Wait for a while. This message may appear when printing with small size paper continuously. Wait for a while.
Processing…	The printer is processing the print job. Wait for a while.
Ready	The default ready message. The printer is ready for use. No action is required.
Resetting Job…	The printer is resetting the print job. Wait until "Ready" appears on the panel display.
Waiting…	The printer is waiting for the next data to print. Wait for a while.
Warming Up…	The printer is warming up and not ready. Wait until "Ready" appears on the panel display.

❖ Alert Messages

Messages/Second messages	Description	Solution
Add Toner: XXX	The printer is out of the indicated toner(s). XXX: Yellow/Magenta/Cyan/Black	Replace with a new toner cartridge of the indicated color(s). Even when yellow, magenta or cyan toner runs out, you can print in black and white using the black toner. See p.29 "Replacing Consumables and Maintenance Kit".

Messages/Second messages	Description	Solution
Call Service: EC Power Off On	A communication error sent from the engine to the controller.	Turn the power switch off and on. If the message appears again, contact your sales or service representative.
Cannot check Signal in Ad hoc	The signal strength for the wireless LAN cannot be checked because "Ad hoc" is selected in "Comm. Mode" for "IEEE 802.11b" in the Host Interface menu.	Change the transmission mode to **[Infrastructure]** in the Host Interface menu.
Change Setting Tray # /Paper Size: Paper Type:	The paper size or paper type set in the indicated tray differs from the setting made. #: tray number	Load paper of the selected size and type in the tray, and then change the paper setting with the control panel. Or press the **【Form Feed】** key several times until the tray with the desired paper type and paper size appears on the panel display. Or press the **【Job Reset】** key to cancel the print job.
Close Front and/ or Right Cover	The front or right cover of the printer is open.	Close the front or right cover of the printer.
Close Upper Left Cover	The upper left cover of the printer is open.	Close the upper left cover of the printer.
Color Regist Error	Color registration has failed.	Turn the power switch off and on. If the message appears again, contact your sales or service representative.
Error: Tray # Form Feed /Reset The Job Then Power OffOn	There is a problem with the indicated tray. #: tray number or Bypass Tray	Press the **【Form Feed】** key to select another tray and make a print, or turn the power switch off and on. If the message appears again, contact your sales or service representative.
Hardware Problem Black PCU	An error has occurred in the black PCU (Photo Conductor Unit).	Turn the power switch off and on. If the message appears again, contact your sales or service representative.

Messages/Second messages	Description	Solution
Hardware Problem Bypass Tray	An error has occurred in the Bypass Tray.	Close the Bypass Tray and then pull out Tray 1 partially. Slide it completely into the printer. If the message appears yet, turn the power switch off and on. If the message appears again, contact your sales or service representative.
Hardware Problem Color PCU	An error has occurred in the color PCU (Photo Conductor Unit).	Turn the power switch off and on. If the message appears again, contact your sales or service representative.
Hardware Problem DIMM	The printer detected a DIMM sum value error.	Turn the power switch off and on. If the message appears again, contact your sales or service representative.
Hardware Problem Ethernet	The printer detected an Ethernet error.	Turn the power switch off and on. If the message appears again, contact your sales or service representative.
Hardware Problem HDD	The printer detected a HDD Board error.	Remove and reinstall the Printer Hard Disk correctly. If the message appears again, contact your sales or service representative. See the Option Setup Guide.
Hardware Problem IEEE1394	The printer detected an IEEE1394 Board error.	Remove and reinstall IEEE1394 Board correctly. If the message appears again, contact your sales or service representative.
Hardware Problem Wireless Board	An error has occurred in the optional 802.11b Interface Unit or Bluetooth.	Remove and reinstall the IEEE 802.11b board or Bluetooth board. If the message appears again, contact your sales or service representative.
Hardware Problem NV-RAM	The printer detected a Memory Switch error.	Remove and reinstall the optional User Account Enhance Unit. If the message appears again, contact your sales or service representative.

Messages/Second messages	Description	Solution
Hardware Problem Option RAM	There is a problem with the optional Memory Unit.	Remove and reinstall the optional Memory Unit. If the message appears again, contact your sales or service representative. See the Option Setup Guide.
Hardware Problem Parallel I/F	There is a problem with the parallel interface.	If you use the parallel interface, replace the interface cable that caused the error. If the message appears again, contact your sales or service representative.
Hardware Problem USB	There is a problem related to the Universal Serial Bus Connection and Hardware.	Remove and reinstall the USB board. If the message appears again, contact your sales or service representative.
Invalid Password Try Again	The entered password is not correct.	Enter the correct password.
Load Correct Size Paper /Press # To Continue	The paper size set in the indicated tray differs from the setting made.	Load paper of the selected size in the tray, and then press the **【Enter #】** key to resume printing. If you want to ignore the message and continue printing, press the **【Enter #】** key.
Load Paper /Paper Size: Paper Type	The paper size set in the indicated tray differs from the setting made.	Load paper of the selected size in the tray, and then change the paper size setting with the control panel. Or press the **【Form Feed】** key several times until the tray with the desired paper type and paper size appears on the panel display. Or press the **【Job Reset】** key to cancel the print job.
		Load paper of the selected type in the tray, and then change the paper size setting with the control panel. Or press the **【Form Feed】** key several times until the tray with the desired paper type and paper size appears on the panel display. Or press the **【Job Reset】** key to cancel the print job.

Messages/Second messages	Description	Solution
Load Paper Tray #	The indicated tray is out of paper. #: tray number	Load paper into the indicated paper tray.
Menu Protected Cannot Change	The menu is protected.	The setting cannot be changed for the selected menu.
No Files Exist	There are no files available for Sample Print job or Locked Print job.	You can check the error files in the error log.
Remove Misfeed B: Fusing Unit	There is a misfeed in the fusing unit.	Remove the misfed paper. For more information, see p.70 “When "Remove Misfeed B: Fusing Unit" Appears”.
Remove Misfeed A: Internal Path	There is a misfeed in the printer.	Remove the misfed paper. For more information, see p.69 “When "Remove Misfeed A:Internal Path" Appears”.
Remove Misfeed Y: Paper Tray	There is a misfeed in the input tray, or the printer is not feeding paper.	Remove the misfed paper. For more information, see p.72 “When "Remove Misfeed Y: Paper Tray" Appears”.
Remove Paper Standard Tray	The standard output tray is full.	Remove paper from the standard output tray.
Replace Black PCU	It is time to replace the black PCU (Photo Conductor Unit).	Replace the black PCU (Photo Conductor Unit) with a new black PCU. See p.29 “Replacing Consumables and Maintenance Kit”.
Replace Color PCU	It is time to replace the color PCU (Photo Conductor Unit).	Replace the color PCU (Photo Conductor Unit) with a new color PCU. See p.29 “Replacing Consumables and Maintenance Kit”.
Replace Fusing Unit	It is time to replace the fusing unit.	Replace the fusing unit with a new one. See p.29 “Replacing Consumables and Maintenance Kit”.
Replace Fusing Unit Soon	It will be time to replace the fusing unit soon.	Prepare a new fusing unit.
Replace Transfer Belt soon	It will be time to replace the transfer belt soon.	Prepare a new transfer belt.

Messages/Second messages	Description	Solution
Replace Waste Toner	It is time to replace the waste toner bottle.	Replace the waste toner bottle with a new waste toner bottle. See p.29 “Replacing Consumables and Maintenance Kit”.
Reset PCU Correctly	The black or color PCU is not set correctly or is not set.	Set the black or color PCU correctly. See p.29 “Replacing Consumables and Maintenance Kit”.
Reset Fusing Unit Correctly	The fusing unit is not set correctly or is not set.	Set the fusing unit correctly. See p.29 “Replacing Consumables and Maintenance Kit”.
Reset Paper Bypass Tray	There is paper left in the Bypass Tray.	Remove paper from the Bypass Tray, and then reset the paper.
Reset Toner /Yellow/Magenta/Cyan/Black	The indicated toner cartridge(s) is/are not set correctly	Set the indicated toner cartridge correctly. See p.29 “Replacing Consumables and Maintenance Kit”.
Reset Tray # Correctly	The indicated tray is not set or is not set correctly. #: tray number	Set the tray correctly. Or press the 【Form Feed】 key several times until the tray with the desired paper setting appears on the panel display. Or press the 【Job Reset】 key to cancel the print job.
Reset Duplex Unit	The duplex unit is not set correctly or is not set.	Remove and reinstall the duplex unit. If the message appears again, contact your sales or service representative. See the Option Setup Guide.
Replace Transfer Belt	It is time to replace the transfer belt.	Replace the transfer belt with a new transfer belt. See p.29 “Replacing Consumables and Maintenance Kit”.
SC XXX-X Power Off On	The Service Code or SC number indicates the problem.	Turn the power switch off and on. If the message appears again, contact your sales or service representative.
Toner is Almost Empty: Black	The black toner is almost empty.	Prepare a new black toner cartridge.
Toner is Almost Empty: Cyan	The cyan toner is almost empty.	Prepare a new cyan toner cartridge.

Messages/Second messages	Description	Solution
Toner is Almost Empty: Magenta	The magenta toner is almost empty.	Prepare a new magenta toner cartridge.
Toner is Almost Empty: Yellow	The yellow toner is almost empty.	Prepare a new yellow toner cartridge.

❖ Print Error Messages ("Error Log" in Configuration Page)

Messages/Second messages	Description	Solution
Collate Cancelled	The collate feature has been cancelled.	Install the optional Printer Hard Disk or increase the memory capacity to 128MB or more.
Driver Setting Error (Memory)	There is an error in the downloaded font(s).	Reset the parameter for downloading fonts.
Duplex Cancelled	Duplex printing has been canceled.	Confirm that the paper used is supported for duplex printing. Or, increase the memory capacity.
Exceeded Max. Pages (Collate)	The maximum number of pages has been exceeded for collation.	Install the optional Printer Hard Disk or increase the memory capacity to 128MB or more.
Exceeded Max. Stored Files	The maximum number of files has been exceeded during Sample Print or Locked Print.	Delete the stored files or reduce the file size of them.
Exceeded Max. Stored Pages	The maximum number of pages has been exceeded during Sample Print or Locked Print.	Reduce the number of pages to print.
HDD Full	The maximum hard disk area size for form/font has been exceeded.	Delete unused form/font types.
	An HDD overflow error occurred during Sample Print or Locked Print.	Delete the stored files or reduce the file size of them.
HDD Not Installed	The Sample Print or Locked Print feature was tried without the Printer Hard Disk installed.	To use the Sample Print or Locked Print feature, install the optional Printer Hard Disk. If the message appears again, contact your sales or service representative.
I/O Buffer Overflow	The maximum size of the I/O buffer has been exceeded.	Increase the size of the I/O buffer.
Print Overrun	The image data has been thinned out due to image compression.	Increase the memory capacity.

Messages/Second messages	Description	Solution
RPCS Graphic Error	There is not enough graphics memory to print the data.	Specify the correct memory capacity in the **[Change Accessories...]** option in the RPCS printer driver's print settings tab. For more information, see the printer driver's Help.
		To print the image correctly, add memory to the printer, or reduce the resolution of the image.
RPCS Memory Overflow	A memory overflow occurred during the print job. After part of the data for the page was printed, the print job was suspended.	Specify the correct memory capacity in the **[Change Accessories...]** option in the RPCS printer driver's print settings tab. For more information, see the printer driver's Help.
		To print the image correctly, add memory to the printer, or reduce the resolution of the image.
RPCS Syntax Error	Bidirectional transmission may not be working properly or the RPCS printer driver settings may not be correct.	Confirm that the option settings for the printer driver match the options actually installed on the printer.
	There may not be enough memory or the memory settings for the printer driver may not match the memory actually installed on the printer.	Specify the correct memory capacity in the **[Change Accessories...]** option in the RPCS printer driver's print settings tab. For more information, see the printer driver's Help.
		To print the image correctly, add memory to the printer, or reduce the resolution of the image.
	This message may appear when the computer is connected to the printer with parallel interface.	Set the parallel interface mode of the computer to a mode other than ECP.

Printer Does Not Print

Possible Cause	Solutions
Is the power on?	Confirm that the cable is securely plugged into the power outlet and the printer. Turn on the power.
Does the **On Line** indicator stay on?	If not, press 【On Line】 to light it.
Does the **Error** indicator stay red?	If so, check the error message on the panel display and take the required action.
Is paper loaded?	Load paper into Tray 1 or on the Bypass Tray. See p.22 “Loading Paper”.
Can you print a configuration page?	If you cannot print a configuration page, it probably indicates a printer malfunction. Contact your sales or service representative. See "*Printing a Configuration Page*" in the Administrator Reference.
Is the interface cable connected securely to the printer and the computer?	Connect the interface cable securely. If it has a fastener, fasten it securely as well.
Are you using the correct interface cable?	The type of interface cable you should use depends on the computer you use. Be sure to use the correct one. If the cable is damaged or worn, replace it with a new one. See "*Specifications*" in the Administrator Reference.

Possible Cause	Solutions
Is the **Data In** indicator blinking or lit after starting the print job?	If not blinking or lit, the data is not being sent to the printer. ❖ **If the printer is connected to the computer using the interface cable** Make sure the following printer port settings are correct: • For a parallel port connection, port LPT1 or LPT2 should be set. • For a USB port connection, port USB00 (n) *1 should be set. • For a IEEE 1394 (SCSI print) port connection, port 1394_00(n) *1 should be set. *1 (n) is the number of printers connected. • **Windows 95/98/Me** ① Click **[Start]**, point to **[Settings]** and then click **[Printers]**. ② Click to select the icon of the printer. Next, on the **[File]** menu, click **[Properties]**. ③ Click the **[Details]** tab. ④ Check the **[Print to the following port]** box to confirm that the correct port is selected. • **Windows 2000** ① Click **[Start]**, point to **[Settings]** and then click **[Printers]**. ② Click to select the icon of the printer. Next, on the **[File]** menu, click **[Properties]**. ③ Click the **[Port]** tab. ④ Check the **[Print to the following port]** box to confirm that the correct port is selected. • **Windows XP** ① Access the **[Printers and Faxes]** window from **[Start]** on the taskbar. ② Click to select the icon of the printer. Next, on the **[File]** menu, click **[Properties]**. ③ Click the **[Port]** tab. ④ Check the **[Print to the following port(s).]** box to confirm that the correct port is selected. • **Windows NT 4.0** ① Click **[Start]**, point to **[Settings]** and then click **[Printers]**. ② Click to select the icon of the printer. Next, on the **[File]** menu, click **[Properties]**. ③ Click the **[Port]** tab. ④ Check the **[Print to the following port]** box to confirm that the correct port is selected.

Possible Cause	Solutions
When you use 1394 Interface Unit Type 4510	❖ **Network Connection** Contact your network administrator. ① Confirm that 1394 Interface Unit Type4510 is attached to the computer correctly. ② Confirm that IEEE1394 interface cable is connected securely. ③ Restart the computer. If the error occurs even after executing above operation, go to the following steps. ④ Unplug the IEEE 1394 interface cable which is connected to the printer. ⑤ Execute the utility tool for 1394 Interface Unit Type 4510 which is stored in the following path in the CD-ROM labeled "Printer Drivers and Utilities". `UTILITY\1394` **Important** ❒ For more information about using the utility tool for IEEE 1394, see the README file in the same directory in the CD-ROM.

Other Printing Problems

Status	Possible Causes, Descriptions, and Solutions
Toner smears appear on the print side of the page.	When “Replace PCU” appears on the panel display, replace the photo conductor unit. See p.29 “Replacing Consumables and Maintenance Kit”.
	Set the image density lighter with the control panel in the "Maintenance" menu. See p.47 “Cleaning and Adjusting the Printer”.
	Confirm that the paper is not curled or bent. Envelopes can be curled easily. Flatten paper before loading. See p.15 “Paper and Other Media”.
Paper gets wrinkles.	Paper is damp. Use paper that has been stored properly. See p.15 “Paper and Other Media”.
	Paper is too thin. See p.15 “Paper and Other Media”.
	The fusing unit is deteriorated or damaged. Replace the unit. See p.29 “Replacing Consumables and Maintenance Kit”.
The color of the printout is different from the color specified.	If a specific color is missing, turn the power switch off and on. If this does not solve the problem, contact your sales or service representative.
Color changes extremely when adjusted with the printer driver.	Do not extreme settings for the color balance under the **[Print Quality]** tab in the printer driver's dialog box. See the printer driver's Help.
Photo images are coarse.	Some applications lower the resolution for making prints.
Black gradation is not natural.	Select "CMY+K" for **[Gray Reproduction]** in the printer driver's dialog box. See the printer driver's Help.
Color documents are printed in black and white.	The printer driver is not set up for color printing. See the printer driver's Help.
	Some applications print color files in black and white.
Fine dot pattern does not print.	Change the **[Dithering]** setting in the printer driver's dialog box. See the printer driver's Help.
Images are cut off, or excess pages are printed.	If you are using paper smaller than the paper size selected in the application, use the same size paper as that selected in the application. If you cannot load paper of the correct size, use the reduction function to reduce the image, and then print. See the printer driver's Help.

Status	Possible Causes, Descriptions, and Solutions
It takes too much time to complete the print job.	Photographs and other data intensive pages take a long time for the printer to process, so simply wait when printing such data. Changing the settings with printer driver may help to speed up printing. See the printer driver's Help.
	The data is so large or complex that it takes time to process it. If the **Data In** indicator is blinking, the data is being processed. Just wait until it resumes.
	If "Warming Up..." appears on the panel display, the printer is now warming up. Wait for a while.
It takes too much time to resume printing.	The data is so large or complex that it takes time to process it. If the **Data In** indicator is blinking, the data is being processed. Just wait until it resumes.
	The printer was in the Energy Saver mode. To resume from the Energy Saver mode, the printer has to warm up, and this takes time until printing starts. To disable the Energy Saver mode, select "Off" for "Energy Saver" in the System Settings menu.
Multiple pages are fed at once.	Number of paper set in the tray exceeds the limit. Confirm that the top of the stack is not higher than the limit mark inside the tray. See p.15 “Paper and Other Media”.
	Paper is static. Use paper that has been stored properly. When loading paper, separate paper from each other. See p.15 “Paper and Other Media”.
	Paper is either too thick or too thin. See p.15 “Paper and Other Media”.
Paper is not fed from the selected tray.	When using the Bypass Tray, confirm that the paper size and the feed direction on the tray are the same as the ones set with the control panel. See p.24 “Loading Paper in the Bypass Tray”.
	When you are using a Windows operating system, the printer driver settings override those set using the control panel. Set the desired input tray using the printer driver. See the printer driver's Help.

Status	Possible Causes, Descriptions, and Solutions
Paper jams occur frequently.	The paper guide in the paper tray is not locked. Lock the paper guide. See p.22 “Loading Paper”.
	The paper size and feed direction loaded on the Bypass Tray are different from them set with the control panel. Either change the setting or load paper to meet the setting. See p.24 “Loading Paper in the Bypass Tray”.
	The end guide in the paper tray is not set correctly. Set the end guide correctly. See p.22 “Loading Paper”.
	Number of paper set in the tray exceeds the limit. Confirm that the top of the stack is not higher than the limit mark inside the tray. See p.22 “Loading Paper”.
	Paper is damp. Use paper that has been stored properly. See p.15 “Paper and Other Media”.
	Paper is either too thick or too thin. See p.15 “Paper and Other Media”.
	Paper is bent or wrinkled. Use paper that have no bents or wrinkles. See p.15 “Paper and Other Media”.
	Paper has already been printed on. See p.15 “Paper and Other Media”.
	The fusing unit is deteriorated or damaged. Replace them. See p.29 “Replacing Consumables and Maintenance Kit”.
Solid areas, lines or text are shiny or glossy when created as a mixture of cyan, magenta, yellow.	Select "K(black)" for **[Gray Reproduction]** in the printer driver's dialog box. See the printer driver's Help.
Solid lines are printed as broken lines.	Change the **[Dithering]** setting in the printer driver's dialog box. See the printer driver's Help.
The color of the printout is different from the color on the computer's display.	The colors made using color toner are different from colors displayed on the display in its production system. See "*Appendix*" in the Client Reference.
	When **[Toner Saving]** is checked under the **[Print Quality]** tab in the printer driver's dialog box, the color gradation may appear differently. See the printer driver's Help.
Images are printed in the wrong orientation.	The feed direction you selected and the feed direction selected in Option Setup of the printer driver might not be the same. Make the proper settings.

Status	Possible Causes, Descriptions, and Solutions
An error message on the control panel stays on after removing the misfed paper.	Open the front cover of the printer, and then close it.
A print image is not clear.	Due to a sudden change in temperature, condensation might appear inside the printer, reducing print quality. If this occurs when you move the printer from a cold room to a warmer room, do not use the printer until it acclimatizes to the temperature.
The print side of the page is a hazy gray.	Adjust the image density. To adjust the image density, press 【Menu】, and select Image Density from the "Maintenance" menu. See p.49 "Adjusting the Image Density".
	If paper is curled, flatten it. Curled or folded paper might cause a hazy gray print. Curling often occurs on envelopes, so be sure to flatten it before printing.
A printed image is different from the image on the computer's display.	When you use some functions, such as enlargement and reduction, the layout of the image might be different from that displayed in the computer display.
	You might have selected to replace True Type fonts with printer fonts in the printing process. To print an image similar to the image on the computer, make the settings to print out True Type fonts as an image. See the printer driver's Help.

5

Note

❒ If the problem cannot be solved, contact your sales or service representative.

Removing Misfed Paper

When a paper misfeed occurs, an error message appears on the panel display. Remove the misfed paper from the location indicated.

Important

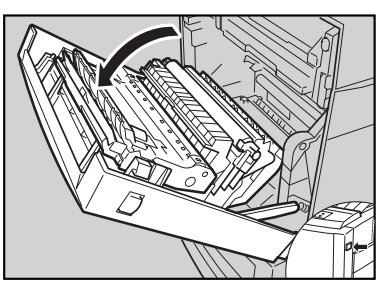
- ❒ Toner dust may be on the misfed paper after removal. Be careful not to get it on your hands or clothes.
- ❒ Toner dust may be on the paper printed after removing misfed paper. Make a few prints until smears do not appear any more.
- ❒ Forcefully removing misfed paper may cause paper to tear and leave scraps of paper in the printer. This might cause a misfeed and damage the printer.

When "Remove Misfeed A:Internal Path" Appears

⚠ CAUTION:

- *The inside of the machine becomes very hot. Do not touch the parts with a "⚠" label (means hot surface). Touching a part with a "⚠" label (means hot surface) could result in a burn.*

1 **Open the front cover by pushing the front cover release button.**

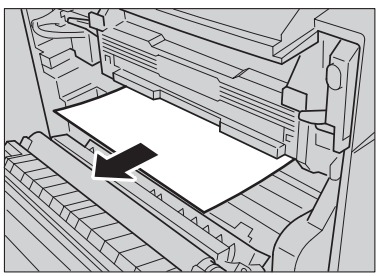


ZHBP281E

Note

- ❒ Close the Bypass Tray if it is extended. If the Bypass Tray is extended, the front cover does not open.

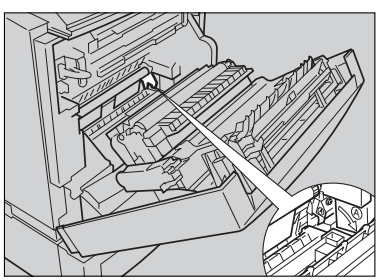
2 **If you see the misfed paper, slowly pull it out.**



ZHBH120E

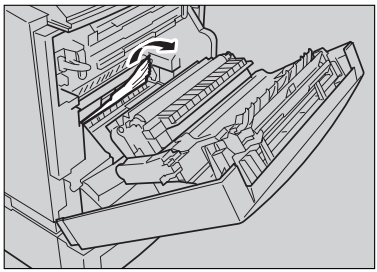
If you cannot remove paper easily, do not forcefully pull it, but go to next step.

3 **Pull part "A" in the direction of the arrow, and then open the cover.**



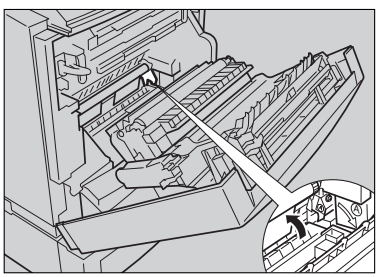
ZHBH070E

4 **Remove the misfed paper.**



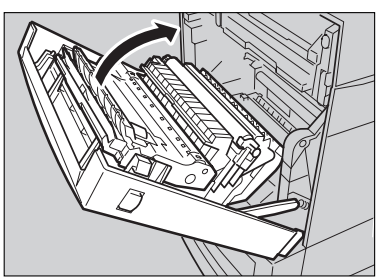
ZHBH080E

5 **Close the cover.**



ZHBH090E

6 **Close the front cover slowly.**



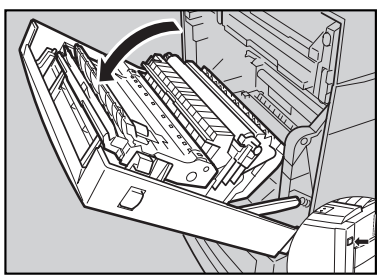
ZHBP282E

When "Remove Misfeed B: Fusing Unit" Appears

⚠ ***CAUTION:***

- *The inside of the machine becomes very hot. Do not touch the parts with a "⚠" label (means hot surface). Touching a part with a "⚠" label (means hot surface) could result in a burn.*

1 **Open the front cover by pushing the front cover release button.**

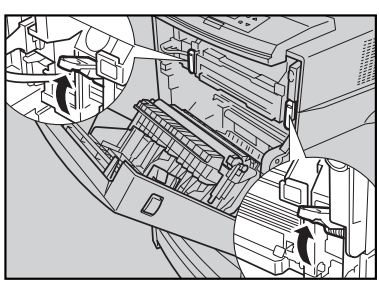


ZHBP281E

Note

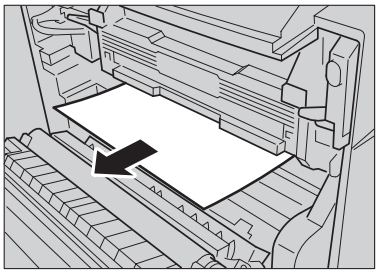
❒ Close the Bypass Tray if it is extended. If the Bypass Tray is extended, the front cover does not open.

2 **Pull out levers "B1" on the left and right.**



ZHBH110E

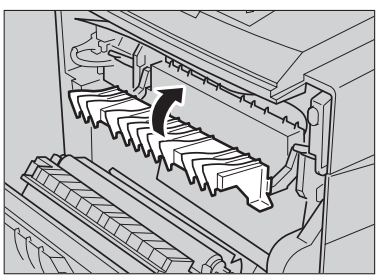
3 **Remove the misfed paper.**



ZHBH120E

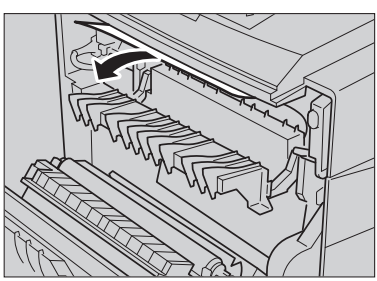
If you cannot remove the paper easily, do not forcefully pull it, but go to the next step.

4 **Pull part "B2" toward the front, and then open the guide board.**



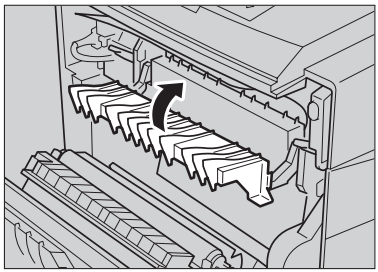
ZHBH130E

5 **Remove the misfed paper.**



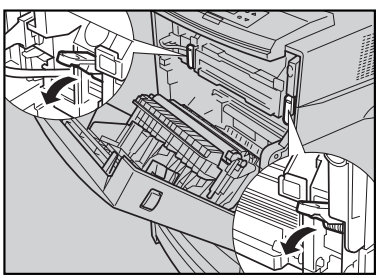
ZHBH140E

6 **Return the guide board.**



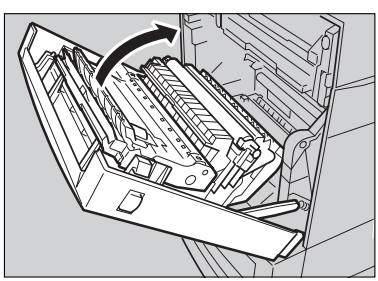
ZHBH130E

7 **Return levers "B1" on the left and right.**



ZHBH930E

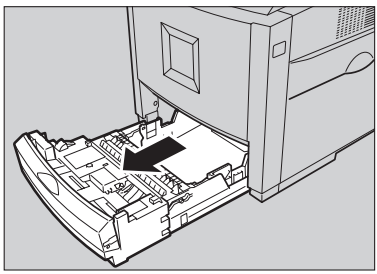
8 **Close the front cover slowly.**



ZHBP282E

When "Remove Misfeed Y: Paper Tray" Appears

1 **Pull out the tray.**



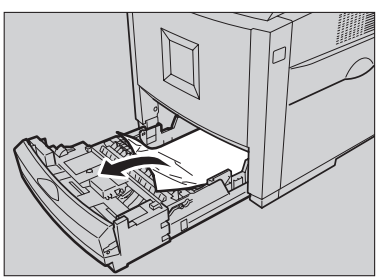
ZHBH940E

Important

❒ When pulling it out, be careful not to pull it strongly. If you do, the tray might fall and cause an injury.

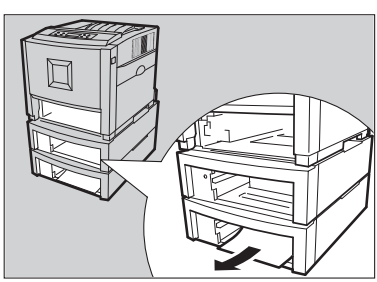
2 **Remove the misfed paper.**

❖ **Tray 1**



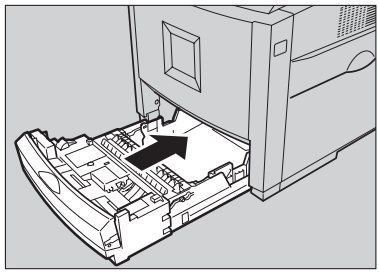
ZHBH760E

❖ **Tray 2/3**



ZHBH770E

3 **Slide the paper tray completely into the printer.**

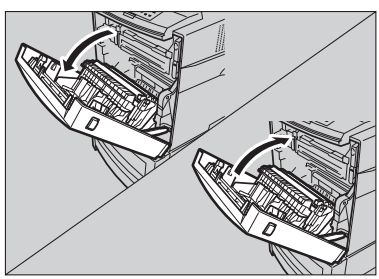


ZHBH160E

Important

❒ Be sure to insert the paper tray completely. Otherwise, misfeeds might occur.

4 **Open the front cover by pushing the front cover release button, and then close it to reset the misfeed condition.**



ZHBH170E

Note

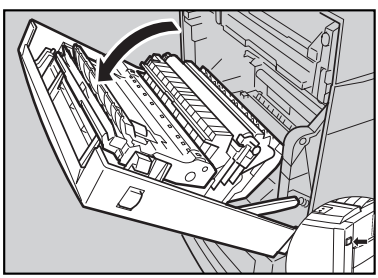
❒ You can apply this procedure for both the paper tray and the optional Paper Feed Unit.

When "Remove Misfeed Z: Duplex Unit" Appears

⚠ ***CAUTION:***

- *The inside of the machine becomes very hot. Do not touch the parts with a "⚠" label (means hot surface). Touching a part with a "⚠" label (means hot surface) could result in a burn.*

1 **Open the front cover by pushing the front cover release button.**

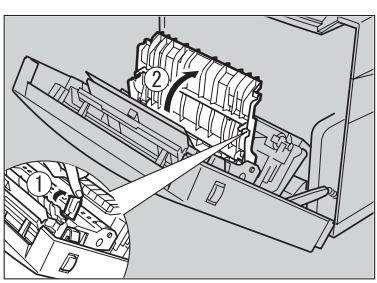


ZHBP281E

Note

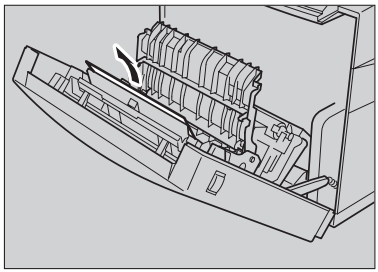
❒ Close the Bypass Tray if it is extended. If the Bypass Tray is extended, the front cover does not open.

2 **Pull lever "PULL" of the Duplex Unit ①, and then pull up the Duplex Unit until it stops ②.**



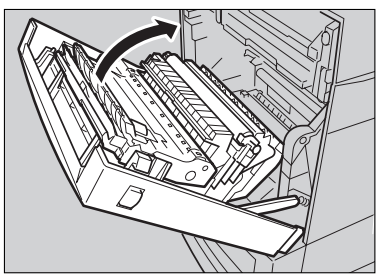
ZHBH180E

3 **Remove the misfed paper.**



ZHBH190E

4 **Close the front cover slowly.**



ZHBP282E

5

Moving and Transporting the Printer

⚠ ***CAUTION:***

- *When moving the machine, each person should hold the handles that are located on opposite sides, and then lift it slowly. Lifting it carelessly or dropping it may cause an injury.*
- *When you move the printer, remember to unplug the power cord from the wall outlet to avoid a fire or an electric shock.*
- *When you pull out the plug from the socket, grip the plug, not the cord, to avoid damaging the cord and causing a fire or an electric shock.*
- *When moving the printer after use, do not take out any of the Toners, Photo Conductor Units, nor the Waste Toner Bottle to prevent toner spill inside the machine.*

Repack the printer in its original packing materials for transporting.

Note

❒ The printer weighs approximately 29.4 kg (64.8 lb.).

Important

❒ Be sure to disconnect all cables from the printer before transporting it.

❒ The printer is a precision piece of machinery. Take care to avoid damage during shipment.

❒ If the optional Paper Feed Unit is installed, remove it from the printer, and then move them separately.

Moving the Printer

⚠ ***CAUTION:***

- *When lifting the machine, use the inset grips on both sides. Otherwise the printer could break or cause an injury if dropped.*
- *Before moving the machine, unplug the power cord from the wall outlet. If the cord is unplugged abruptly, it could become damaged. Damaged plugs or cords can cause an electrical or fire hazard.*

Moving the printer in a short distance

1 Be sure to check the following points:

- The power switch is turned off.
- The power cable is unplugged from the wall outlet.
- The interface cable is unplugged from the printer.

2 If the external options are installed, remove them.

See the Option Setup Guide and follow the steps backwards for removing options.

3 Lift the printer with two people by using the inset grips on both side of the printer, and then move it horizontally to the place where you want to install it.

4 If you removed options in step 2, reinstall them.

Note

❒ See the Option Setup Guide for installing options.

Important

❒ Be sure to move the printer horizontally. To prevent toner from scattering, move the printer slowly.

❒ If the optional Paper Feed Unit is installed, remove it from the printer, and then move them separately.

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Declaration of Conformity

"The Product complies with the requirements of the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC."

Notice to Users in EEA Countries

802.11b Interface Unit TypeA(R-WL11):

This product complies with the essential requirements and provisions of Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity.

This product is only for use in EEA or other authorized countries. Outdoor use of this product in Belgium, France, Germany, Italy, or the Netherlands is prohibited.

The CE Declaration of Conformity is available on the Internet at URL:

http://www.ricoh.co.jp/fax/ce_doc/.

In accordance with IEC 60417, this machine uses the following symbols for the main power switch:

| means POWER ON.

O means POWER OFF.

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Aficio™ CL3000/CL3000DN **Operating Instructions Maintenance Guide**

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