KYOCERA

FS-9130DN
FS-9530DN

Operation Guide



Contents

1 **Machine Parts** **1-1**
Components at the Front of the Printer 1-2
Components at the Left and the Rear of the Printer 1-3
Components at the Right of the Printer 1-4

2 **Printing Operation** **2-1**
Loading Printer Driver 2-2
Printing from Application Software 2-3

3 **Maintenance** **3-1**
General Information 3-2
Toner Container Replacement 3-3
Cleaning the Printer 3-11

4 **Troubleshooting** **4-1**
General Guideline 4-2
Print Quality Problems 4-4
Indicators and Messages 4-7
Correcting a Paper Jam 4-14

5 **Specifications** **5-1**

Legal and Safety Information

CAUTION: NO LIABILITY IS ASSUMED FOR ANY DAMAGE CAUSED BY IMPROPER INSTALLATION.

Notice on Software

SOFTWARE USED WITH THIS PRINTER MUST SUPPORT THE PRINTER'S EMULATION MODE. The printer is factory-set to emulate the PCL. The emulation mode can be changed.

Notice

The information in this guide is subject to change without notification. Additional pages may be inserted in future editions. The user is asked to excuse any technical inaccuracies or typographical errors in the present edition.

No responsibility is assumed if accidents occur while the user is following the instructions in this guide. No responsibility is assumed for defects in the printer's firmware (contents of its read-only memory).

This guide, any copyrightable subject matter sold or provided with or in connection with the sale of the page printer, are protected by copyright. All rights are reserved. Copying or other reproduction of all or part of this guide, any copyrightable subject matter without the prior written consent of Kyocera Mita Corporation is prohibited. Any copies made of all or part of this guide, any copyrightable subject must contain the same copyright notice as the material from which the copying is done.

Regarding Tradenames

PRESCRIBE is a registered trademark of Kyocera Corporation. KPDL and KIR (Kyocera Image Refinement) are trademarks of Kyocera Corporation.

Hewlett-Packard, PCL, and PJL are registered trademarks of Hewlett-Packard Company. Centronics is a trade name of Centronics Data Computer Inc. PostScript is a registered trademark of Adobe Systems Incorporated. Macintosh is a registered trademark of Apple Computer, Inc. Microsoft, Windows, and Windows NT are registered trademarks of Microsoft Corporation. Microsoft Windows Server is a trademark of Microsoft Corporation. PowerPC is a trademark of International Business Machines Corporation. Microdrive is a registered trademark of Hitachi Global Storage Technologies Netherlands B.V. in the US and other countries. CompactFlash is a trademark of SanDisk Corporation. ENERGY STAR is a U.S. registered mark. All other brand and product names are registered trademarks or trademarks of their respective companies.

This product uses PeerlessPrintXL to provide the HP LaserJet compatible PCL 6 language emulation. PeerlessPrintXL is a trademark of Peerless Systems Corporation, 2381 Rosecrans Ave. El Segundo, CA 90245, U.S.A.

This product was developed using the Tornado™ Real Time Operating System and Tools from Wind River Systems.

This product contains UFST™ and MicroType® from Monotype Imaging Inc.

USB



This product has been certified by the USB Implementers Forum, Inc.

License Agreements

IBM Program License Agreement

THE DEVICE YOU HAVE PURCHASED CONTAINS ONE OR MORE SOFTWARE PROGRAMS (“PROGRAMS”) WHICH BELONG TO INTERNATIONAL BUSINESS MACHINES CORPORATION (“IBM”). THIS DOCUMENT DEFINES THE TERMS AND CONDITIONS UNDER WHICH THE SOFTWARE IS BEING LICENSED TO YOU BY IBM. IF YOU DO NOT AGREE WITH THE TERMS AND CONDITIONS OF THIS LICENSE, THEN WITHIN 14 DAYS AFTER YOUR ACQUISITION OF THE DEVICE YOU MAY RETURN THE DEVICE FOR A FULL REFUND. IF YOU DO NOT SO RETURN THE DEVICE WITHIN THE 14 DAYS, THEN YOU WILL BE ASSUMED TO HAVE AGREED TO THESE TERMS AND CONDITIONS.

The Programs are licensed not sold. IBM, or the applicable IBM country organization, grants you a license for the Programs only in the country where you acquired the Programs. You obtain no rights other than those granted you under this license.

The term “Programs” means the original and all whole or partial copies of it, including modified copies or portions merged into other programs. IBM retains title to the Programs. IBM owns, or has licensed from the owner, copyrights in the Programs.

1. License

Under this license, you may use the Programs only with the device on which they are installed and transfer possession of the Programs and the device to another party.

If you transfer the Programs, you must transfer a copy of this license and any other documentation to the other party. Your license is then terminated. The other party agrees to these terms and conditions by its first use of the Program.

You may not:

1 use, copy, modify, merge, or transfer copies of the Program except as provided in this license;

2 reverse assemble or reverse compile the Program; or

3 sublicense, rent, lease, or assign the Program.

2. Limited Warranty

The Programs are provided “AS IS.”

THERE ARE NO OTHER WARRANTIES COVERING THE PROGRAMS (OR CONDITIONS), EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Some jurisdictions do not allow the exclusion of implied warranties, so the above exclusion may not apply to you.

3. Limitation of Remedies

IBM's entire liability under this license is the following;

For any claim (including fundamental breach), in any form, related in any way to this license, IBM's liability will be for actual damages only and will be limited to the greater of:

1 the equivalent of U.S. $25,000 in your local currency; or

2 IBM's then generally available license fee for the Program

This limitation will not apply to claims for bodily injury or damages to real or tangible personal property for which IBM is legally liable.

IBM will not be liable for any lost profits, lost savings, or any incidental damages or other economic consequential damages, even if IBM, or its authorized supplier, has been advised of the possibility of such damages. IBM will not be liable for any damages claimed by you based on any third party claim. This limitation of remedies also applies to any developer of Programs supplied to IBM. IBM's and the developer's limitations of remedies are not cumulative. Such developer is an intended beneficiary of this Section. Some jurisdictions do not allow these limitations or exclusions, so they may not apply to you.

4. General

You may terminate your license at any time. IBM may terminate your license if you fail to comply with the terms and conditions of this license. In either event, you must destroy all your copies of the Program. You are responsible for payment of any taxes, including personal property taxes, resulting from this license. Neither party may bring an action, regardless of form, more than two years after the cause of action arose. If you acquired the Program in the United States, this license is governed by the laws of the State of New York. If you acquired the Program in Canada, this license is governed by the laws of the Province of Ontario. Otherwise, this license is governed by the laws of the country in which you acquired the Program.

Typeface Trademark Acknowledgement

All resident fonts in this printer are licensed from Monotype Imaging Inc.

Helvetica, Palatino and Times are registered trademarks of Linotype-Hell AG. ITC Avant Garde Gothic, ITC Bookman, ITC ZapfChancery and ITC Zapf Dingbats are registered trademarks of International Typeface Corporation.

Monotype Imaging License Agreement

1 "Software" shall mean the digitally encoded, machine readable, scalable outline data as encoded in a special format as well as the UFST Software.

2 You agree to accept a non-exclusive license to use the Software to reproduce and display weights, styles and versions of letters, numerals, characters and symbols ("Typefaces") solely for your own customary business or personal purposes at the address stated on the registration card you return to Monotype Imaging. Under the terms of this License Agreement, you have the right to use the Fonts on up to three printers. If you need to have access to the fonts on more than three printers, you need to acquire a multi-user license agreement which can be obtained from Monotype Imaging. Monotype Imaging retains all rights, title and interest to the Software and Typefaces and no rights are granted to you other than a License to use the Software on the terms expressly set forth in this Agreement.

3 To protect proprietary rights of Monotype Imaging, you agree to maintain the Software and other proprietary information concerning the Typefaces in strict confidence and to establish reasonable procedures regulating access to and use of the Software and Typefaces.

4 You agree not to duplicate or copy the Software or Typefaces, except that you may make one backup copy. You agree that any such copy shall contain the same proprietary notices as those appearing on the original.

5 This License shall continue until the last use of the Software and Typefaces, unless sooner terminated. This License may be terminated by Monotype Imaging if you fail to comply with the terms of this License and such failure is not remedied within thirty (30) days after notice from Monotype Imaging. When this License expires or is terminated, you shall either return to Monotype Imaging or destroy all copies of the Software and Typefaces and documentation as requested.

6 You agree that you will not modify, alter, disassemble, decrypt, reverse engineer or decompile the Software.

7 Monotype Imaging warrants that for ninety (90) days after delivery, the Software will perform in accordance with Monotype Imaging-published specifications, and the diskette will be free from defects in material and workmanship. Monotype Imaging does not warrant that the Software is free from all bugs, errors and omissions.

8 THE PARTIES AGREE THAT ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY, ARE EXCLUDED.

9 Your exclusive remedy and the sole liability of Monotype Imaging in connection with the Software and Typefaces is repair or replacement of defective parts, upon their return to Monotype Imaging.

10 IN NO EVENT WILL MONOTYPE IMAGING BE LIABLE FOR LOST PROFITS, LOST DATA, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES CAUSED BY ABUSE OR MISAPPLICATION OF THE SOFTWARE AND TYPEFACES.

11 Massachusetts U.S.A. law governs this Agreement.

12 You shall not sublicense, sell, lease, or otherwise transfer the Software and/or Typefaces without the prior written consent of Monotype Imaging.

13 Use, duplication or disclosure by the Government is subject to restrictions as set forth in the Rights in Technical Data and Computer Software clause at FAR 252-227-7013, subdivision (b)(3)(ii) or subparagraph (c)(1)(ii), as appropriate. Further use, duplication or disclosure is subject to restrictions applicable to restricted rights software as set forth in FAR 52.227-19 (c)(2).

14 YOU ACKNOWLEDGE THAT YOU HAVE READ THIS AGREEMENT, UNDERSTAND IT, AND AGREE TO BE BOUND BY ITS TERMS AND CONDITIONS. NEITHER PARTY SHALL BE BOUND BY ANY STATEMENT OR REPRESENTATION NOT CONTAINED IN THIS AGREEMENT. NO CHANGE IN THIS AGREEMENT IS EFFECTIVE UNLESS WRITTEN AND SIGNED BY PROPERLY AUTHORIZED REPRESENTATIVES OF EACH PARTY. BY OPENING THIS DISKETTE PACKAGE, YOU AGREE TO ACCEPT THE TERMS AND CONDITIONS OF THIS AGREEMENT.

Compliance and Conformity

FCC Statement (for users in the United States)

This device complies with Part 15 of FCC Rules and RSS-Gen of IC Rules.

Operation is subject to the following two conditions; (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no

guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that used for the receiver.
- Consult your service technician or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment. Shielded circular cables should be used for interfacing with the computer.

Precautions for Use

Any modifications without prior permission of Kyocera may cause harmful interference.

If any modifications or changes are made to this equipment without prior permission of Kyocera, Kyocera as the manufacturer does not guarantee the compliance with the FCC Rules. The use of equipment that does not comply with the FCC Rules is prohibited.

Safety Information

Laser Safety

This printer is certified as a Class 1 laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to Radiation Control for Health and Safety Act of 1968. This means that the printer does not produce hazardous laser radiation. Since radiation emitted inside the printer is completely confined within protective housings and external covers, the laser beam cannot escape from the printer during any phase of user operation.

Laser Notice

This printer is certified in the U.S. to conform to the requirements of DHHS 21 CFR Subchapter for Class I (1) laser products, and elsewhere is certified as a Class I laser product conforming to the requirements of IEC 825.

DANGER:CLASS 3B LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Radio Frequency Transmitter

This machine contains the transmitter module. We, the manufacturer (Kyocera Mita Corporation) hereby declare that this equipment (page printer), model FS-9130DN and FS-9530DN are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Radio Tag Technology

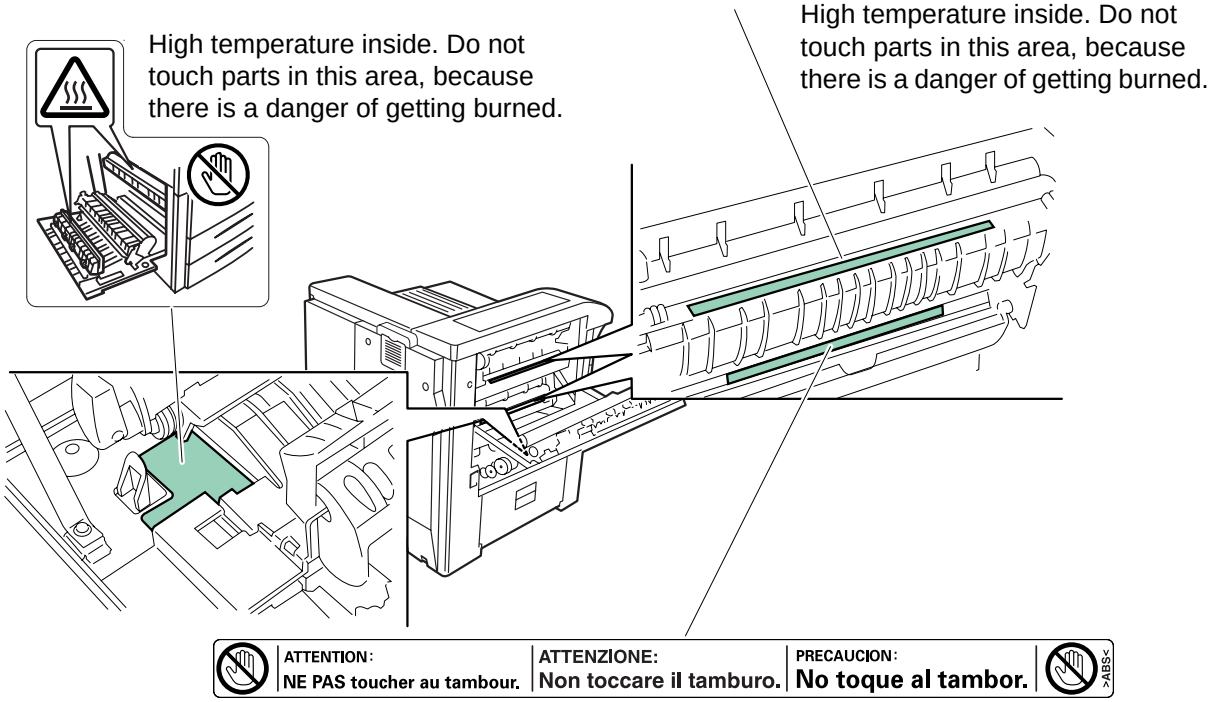
In some countries the radio tag technology used in this equipment to identify the toner container may be subject to authorization and the use of this equipment may consequently be restricted.

Caution Labels

Caution labels have been attached to the copier at the following locations for safety purposes. Be sufficiently careful to avoid fire or electric shock when removing a paper jam or when replacing toner.

NOTE: Do not remove these labels.



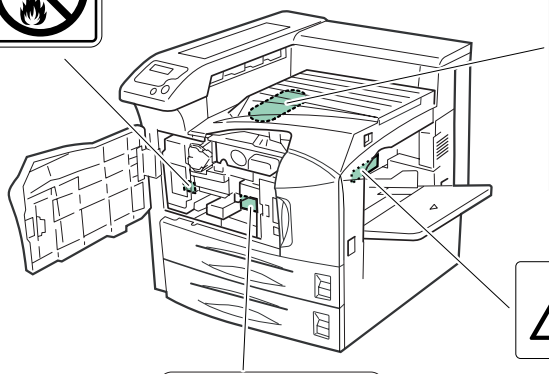


Do not incinerate toner and toner container. Dangerous sparks may cause burn.



Label inside the printer (Laser radiation warning)







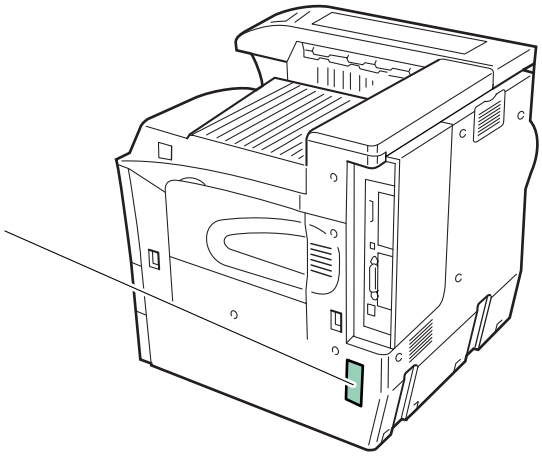
Moving parts inside. May cause personal injury. Do not touch moving parts.

For U.S.A.
and Canada



For Europe, Asia,
and other countries





CDRH Regulations

The Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration implemented regulations for laser products on August 2, 1976. These regulations apply to laser products manufactured after August 1, 1976. Compliance is mandatory for products marketed in the United States. A label indicating compliance with the CDRH regulations must be attached to laser products marketed in the United States. On this machine, the label is on the right.

Ozone Concentration

The printers generate ozone gas (O_3) which may concentrate in the place of installation and cause an unpleasant smell. To minimize the concentration of ozone gas to less than 0.1ppm, we recommend you not to install the printer in a confined area where ventilation is blocked.

Declaration of Conformity for U.S.A.

Model name: Page Printer FS-9130DN/FS-9530DN
Trade name: Kyocera Mita
Responsible party: Kyocera Mita America, Inc.
Address: 225 Sand Road PO Box 40008 Fairfield, New Jersey 07004-0008, U.S.A.
Telephone: (973) 808-8444
Fax: (973) 882-6000

Manufacturer: Kyocera Mita Corporation
Manufacturer's address: 2-28, 1-Chome, Tamatsukuri, Chuo-ku, Osaka, 540-8585, Japan

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

The manufacturer and its merchandising companies retain the following technical documentation in anticipation of the inspection that may be conducted by the authorities concerned.

User's instruction that conforms to the applicable specifications.
Technical drawings.
Descriptions of the procedures that guarantee the conformity.
Other technical information.

Kyocera Mita America Inc.

CE Marking Directive

According to Council Directive 89/336/EEC, 73/23/EEC, and 1999/5/EC

Manufacturer: Kyocera Mita Corporation
Manufacturer's address: 2-28, 1-Chome, Tamatsukuri, Chuo-ku, Osaka, 540-8585, Japan

Declares that the product

Product name: Page Printer

Model number: FS-9130DN/FS-9530DN (as tested with enhancement optional unit; Dual Paper Feeder PF-700, Large Capacity Paper Feeder PF-750, Document Finisher DF-710/DF-730, Booklet Unit BF-710, Mail Bin MT-710, and Punch Unit PH-5A)

Conforms to the following product specifications:

EN 55 022:1998+A1:2000+A2:2003 Class B
EN 61 000-3-2:2000
EN 61 000-3-3:1995+A1:2001
EN 55 024:1998+A1:2001+A2:2003
EN 60 950-1:2001+A11
EN 60 825-1:1994+A1+A2
EN 300330-1
EN 300330-2

The manufacturer and its merchandising companies retain the following technical documentation in anticipation of the inspection that may be conducted by the authorities concerned.

User's instruction that conforms to the applicable specifications.
Technical drawings.
Descriptions of procedures that guarantee conformity.
Other technical information.

Declaration of Conformity (Australia)

Manufacturer: Kyocera Mita Corporation
Manufacturer's address: 2-28, 1-Chome, Tamatsukuri, Chuo-ku, Osaka, 540-8585, Japan

declares that the product

Product name: Page Printer
Model name: FS-9130DN/FS-9530DN

Description of devices: This Page Printer Model FS-9530DN is the 51ppm (FS-9130DN is the 40ppm); A4 size and utilized plain paper; dry toner; etc. The printer can be equipped with several enhancement optional unit as a dual paper feeder as PF-700, large capacity paper feeder as PF-750, DF-710/DF-730 as document finisher, booklet unit as BF-710m mail bin as MT-710, and punch unit as PH-5A.

conforms to the following product specifications:

AS/NZS 3548: 1995 (EN 55 022: 1998 Class B)
AS/NZS 4268: 2003
IEC60950: 1999 (EN 60 950: 2000)

The manufacturer and its merchandising companies retain the following technical documentation in anticipation of the inspection that may be conducted by the authorities concerned.

User's instruction that conforms to the applicable specifications
Technical drawings
Descriptions of procedures that guarantee conformity
Other technical information

The manufacturer has been employed with ISO9001 scheme. JQA and BS have attested the manufacturer.

Kyocera Mita Australia Pty., Ltd.
6-10 Talavera Road, North Ryde, NSW 2113, Australia
Telephone: +61 2-9888-9999
Fax: +61 2-9888-9588

Canadian Department of Communications Compliance Statement

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

Avis de conformité aux normes du ministere des Communications du Canada

Cet appareil numérique de la classe B est conforme a la norme NMB-003 du Canada.

EN ISO 7779

Maschinenlärminformations-Verordnung 3. GPSGV, der höchste Schalldruckpegel beträgt 70 dB (A) oder weniger gemäß EN ISO 7779.

Disclaimer

Kyocera Mita will not be liable to customers or any other person or entity for any loss or damage caused or alleged to be caused directly or indirectly by equipment sold or furnished by us, including but not limited to, any interruption of service, loss of business or anticipatory profits, or consequential damages resulting from the use or operation of the equipment or software.

Energy Saving Control Function

This printer comes equipped with a Low Power Mode where printer function remains in a waiting state but energy consumption is still reduced after a certain amount of time elapses since the printer was last used, as well as a Sleep Mode where printer function remains in a waiting state but power consumption is still reduced to a minimum when there is no activity with the printer within a set amount of time.

Low Power Mode

This printer automatically enters Low Power Mode when approximately 9 minutes have passed since the printer was last used.

Sleep Mode

This printer automatically enters Sleep Mode when approximately 15 minutes (in U.S.A./Canada) or 20 minutes (in European countries) have passed since the printer was last used. The amount of time of no activity that must pass before Sleep Mode is activated may be lengthened.

Duplex Printing

This printer includes duplex printing as a standard function. For example, by printing two single-sided originals onto a single sheet of paper as a duplex printing, it is possible to lower the amount of paper used.

Recycled Paper

This printer supports recycled paper which reduces the load on the environment. Your sales or service representative can provide information about recommended paper types.

Energy Star (ENERGY STAR®) Program



We have determined as a participating company in the International Energy Star Program that this product is compliant with the standards laid out in the International Energy Star Program.

Please read this Operation Guide before using the machine. Keep it close to the machine for easy reference.

The sections of this guide and parts of the machine marked with symbols are safety warnings meant to protect the user, other individuals and surrounding objects, and ensure correct and safe usage of the machine. The symbols and their meanings are indicated below.



DANGER: Indicates that serious injury or even death will very possibly result from insufficient attention to or incorrect compliance with the related points.



WARNING: Indicates that serious injury or even death may result from insufficient attention to or incorrect compliance with the related points.



CAUTION: Indicates that personal injury or mechanical damage may result from insufficient attention to or incorrect compliance with the related points.

Symbols

The following symbols indicate that the related section includes safety warnings. Specific points of attention are indicated inside the symbol.

 .... [General warning]

 .... [Warning of danger of electrical shock]

 .... [Warning of high temperature]

The following symbols indicate that the related section includes information on prohibited actions. Specifics of the prohibited action are indicated inside the symbol.

 .... [Warning of prohibited action]

 .... [Disassembly prohibited]

The following symbols indicate that the related section includes information on actions which must be performed. Specifics of the required action are indicated inside the symbol.

 .... [Alert of required action]

 .... [Remove the power plug from the outlet]

 .... [Always connect the machine to an outlet with a ground connection]

Please contact your service representative to order a replacement if the safety warnings in this Operation Guide are illegible or if the guide itself is missing. (fee required)

Installation Precautions

Environment

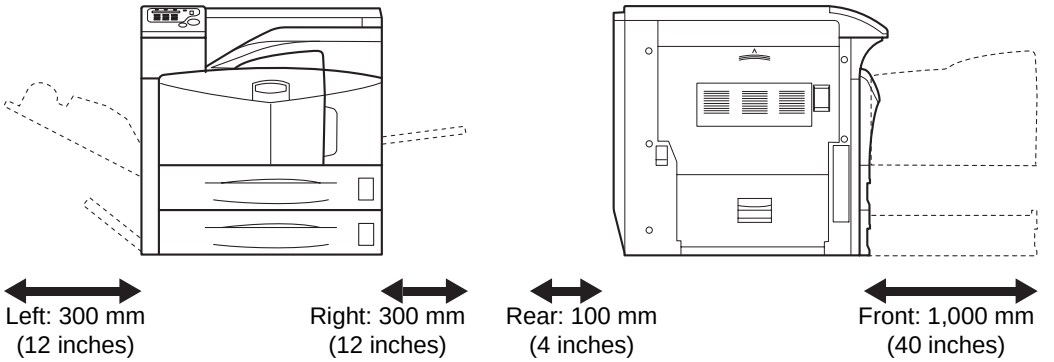
CAUTION:

Avoid placing the machine on or in locations which are unstable or not level. Such locations may cause the machine to fall down or fall over. This type of situation presents a danger of personal injury or damage to the machine.

Avoid locations with humidity or dust and dirt. If dust or dirt become attached to the power plug, clean the plug to avoid the danger of fire or electrical shock.

Avoid locations near radiators, heaters, or other heat sources, or locations near flammable items, to avoid the danger of fire.

To keep the machine cool and facilitate changing of parts and maintenance, allow access space as shown below. Leave adequate space, especially around the vents, to allow air to be properly ventilated out of the printer.



Always use the caster stoppers to stabilize the printer once it is in place to keep it from moving and/or falling over and causing injury.

Other Precautions

Adverse environmental conditions may affect the safe operation and performance of the machine. Install in an air-conditioned room (recommended room temperature: around 23°C, humidity: around 60% RH), and avoid the following locations when selecting a site for the machine.

- Avoid locations near a window or with exposure to direct sunlight.

- Avoid locations with vibrations.
- Avoid locations with drastic temperature fluctuations.
- Avoid locations with direct exposure to hot or cold air.
- Avoid poorly ventilated locations.
- When casters are installed on the printer, moving the printer can cause damage to certain floor surfaces.

During printing, some ozone is released, but the amount does not cause any ill effect to one's health. If, however, the printer is used over a long period of time in a poorly ventilated room or when printing an extremely large number of copies, the smell may become unpleasant. To maintain the appropriate environment for print work, it is suggested that the room be properly ventilated.

Power Supply/Grounding the Machine

WARNING:

Do not use a power supply with a voltage other than that specified. Avoid multiple connections in the same outlet. These types of situations present a danger of fire or electrical shock.



Plug the power cord securely into the outlet. If metallic objects come in contact with the prongs on the plug, it may cause a fire or electric shock.



Always connect the machine to an outlet with a ground connection to avoid the danger of fire or electrical shock in case of an electric short. If an earth connection is not possible, contact your service representative.



Other Precautions

Connect the power plug to the closest outlet possible to the machine.

The power supply cord is used as the main disconnect device. Ensure that the socket/outlet is located/installed near the equipment and is easily accessible.

Handling of Plastic Bags

WARNING:

Keep the plastic bags that are used with the machine away from children. The plastic may cling to their nose and mouth causing suffocation.



Precautions for Use

Cautions when Using the Machine

WARNING:

Do not place metallic objects or containers with water (flower vases, flower pots, cups, etc.) on or near the machine. This situation presents a danger of fire or electrical shock should they fall inside.



Do not remove any of the covers from the machine as there is a danger of electrical shock from high voltage parts inside the machine.



Do not damage, break or attempt to repair the power cord. Do not place heavy objects on the cord, pull it, bend it unnecessarily or cause any other type of damage.
These types of situations present a danger of fire or electrical shock.



Never attempt to repair or disassemble the machine or its parts as there is a danger of fire, electrical shock or damage to the laser. If the laser beam escapes, there is a danger of it causing blindness.



If the machine becomes excessively hot, smoke appears from the machine, there is an odd smell, or any other abnormal situation occurs, there is a danger of fire or electrical shock. Turn the power switch off (O) immediately, be absolutely certain to remove the power plug from the outlet and then contact your service representative.



If anything harmful (paper clips, water, other fluids, etc.) falls into the machine, turn the power switch off (O) immediately. Next, be absolutely certain to remove the power plug from the outlet to avoid the danger of fire or electrical shock. Then contact your service representative.



Do not remove or connect the power plug with wet hands, as there is a danger of electrical shock.



Always contact your service representative for maintenance or repair of internal parts.



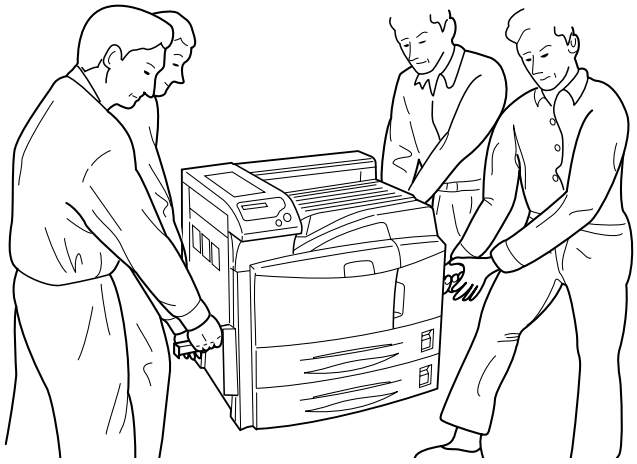
CAUTION

Do not pull the power cord when removing it from the outlet. If the power cord is pulled, the wires may become broken and there is a danger of fire or electrical shock. (Always grasp the power plug when removing the power cord from the outlet.)

Always remove the power plug from the outlet when moving the machine. If the power cord is damaged, there is a danger of fire or electrical shock.

If the machine will not be used for a short period of time (overnight, etc.), turn the power switch off (O). If it will not be used for an extended period of time (vacations, etc.), remove the power plug from the outlet for safety purposes during the time the machine is not in use.

When lifting or moving the printer, pull up the 4 handles on both sides of the printer, then ALWAYS carry the printer by the designated 4 handles with at least 4 people, one person to a handle.



For safety purposes, always remove the power plug from the outlet when performing cleaning operations.

If dust accumulates within the machine, there is a danger of fire or other trouble. It is therefore recommended that you consult with your service representative in regard to cleaning of internal parts. This is particularly effective if accomplished prior to seasons of high humidity. Consult with your service representative in regard to the cost of cleaning the internal parts of the machine.

Other Precautions

Do not place heavy objects on the machine or cause other damage to the machine.

Do not open the upper front cover, turn off the power switch, or pull out the power plug during printing.

When lifting or moving the machine, contact your service representative.

Do not touch electrical parts, such as connectors or printed circuit boards. They could be damaged by static electricity.

Do not attempt to perform any operations not explained in this handbook.

Use shielded interface cables.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Cautions when Handling Consumables

CAUTION

Do not attempt to incinerate the Toner Container. Dangerous sparks may cause burns.



Never open the toner container or waste toner box.



Keep the Toner Container out of the reach of children.



If toner happens to spill from the Toner Container, avoid inhalation and ingestion, as well as contact with your eyes and skin.



- If you do happen to inhale toner, move to a place with fresh air and gargle thoroughly with a large amount of water. If coughing develops, contact a physician.
- If you do happen to ingest toner, rinse your mouth out with water and drink 1 or 2 cups of water to dilute the contents of your stomach. If necessary, contact a physician.
- If you do happen to get toner in your eyes, flush them thoroughly with water. If there is any remaining tenderness, contact a physician.

- If toner does happen to get on your skin, wash with soap and water.

Do not attempt to force open or destroy the Toner Container.



Other Precautions

After use, always dispose of the Toner Container in accordance with Federal, State and Local rules and regulations.

Store all consumables in a cool, dark location.

If the machine will not be used for an extended period of time, remove the paper from the cassette, return it to its original package and reseal it.

Guide to the Operation Guide

This Operation Guide has the following chapters:

1 Machine Parts

This chapter explains the names of parts.

2 Printing Operation

This chapter explains how to print from your workstation.

3 Maintenance

This chapter explains how to replace the toner container, waste toner box, and how to care for your printer.

4 Troubleshooting

This chapter explains how to handle printer problems that may occur, such as paper jams.

5 Specifications

Conventions

This manual uses the following conventions:

Convention	Description	Example
Italic Typeface	Used to emphasize a key word, phrase or references to additional information.	Close the *top cover*. Refer to *Toner Container Replacement on page 3-3*.
Courier Typeface	Used to denote messages or names displayed on the operation panel.	Replace the waste toner box when the `Check waste toner box` message is displayed.
Bracket Bold Text Typeface	Used to denote operation panel keys.	Press **[Go]**.
Bold Typeface	Used to emphasize button or items to be selected in dialog boxes, and titles displaying in dialog boxes.	Click **Next**.
Notes	Used to provide additional or useful information about a function or feature.	**NOTE:** For information about storing the pin, refer to step 10.
Important	Used to provide important information.	**IMPORTANT:** Ensure paper is not folded, curled, or damaged.
Caution	Cautions are statements that suggest *mechanical* damage as a result of an action.	**CAUTION:** Do not pull the cassette out when holding the front of the machine.
Warning	Used to alert users to the possibility of *personal* injury.	**WARNING:** High voltage is present in the charger section.

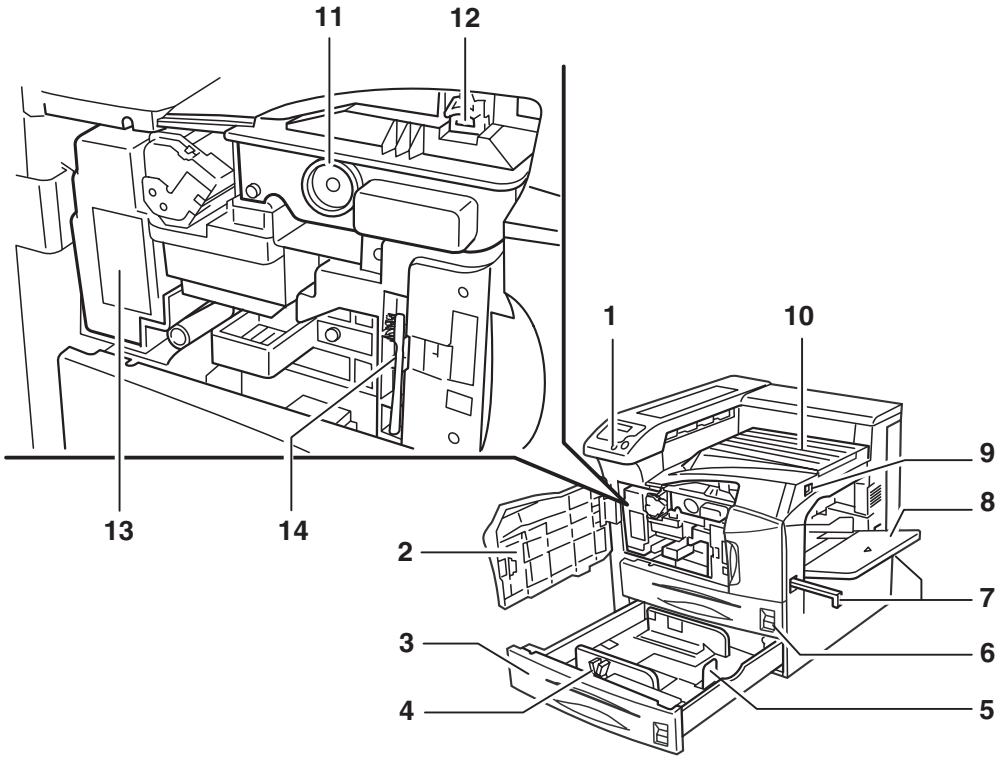
1 Machine Parts

This section provides explanations and illustrations for you to determine the parts and their functions. Try to be familiar with the names and functions of these parts for correct use and optimal performance.

This chapter contains explanations on the following topics:

- Components at the Front of the Printer 1-2
- Components at the Left and the Rear of the Printer.... 1-3
- Components at the Right of the Printer 1-4

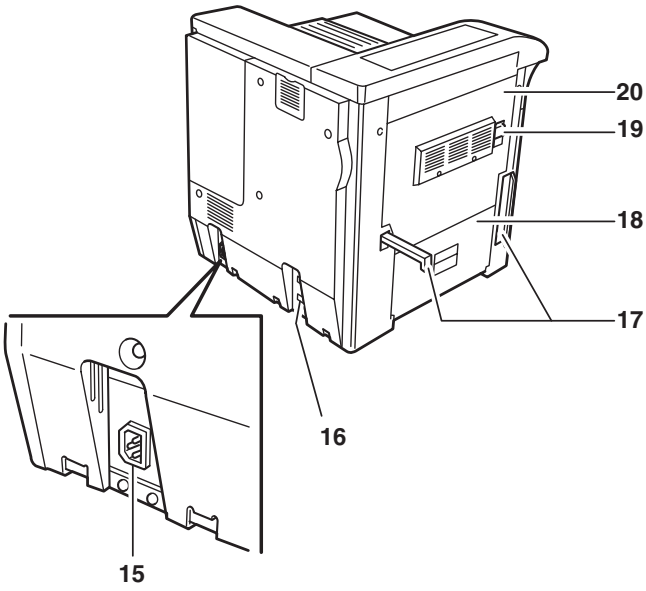
Components at the Front of the Printer



1 Operation Panel
2 Front Cover
3 Paper Cassette 2
4 Paper Guide
5 Paper Stopper
6 Paper Cassette 1
7 Handles for Transport
8 MP (Multi-Purpose) Tray
9 Main Switch
10 Top Tray
11 Toner Container
12 Toner Container Release Lever
13 Waste Toner Box
14 Cleaning Brush

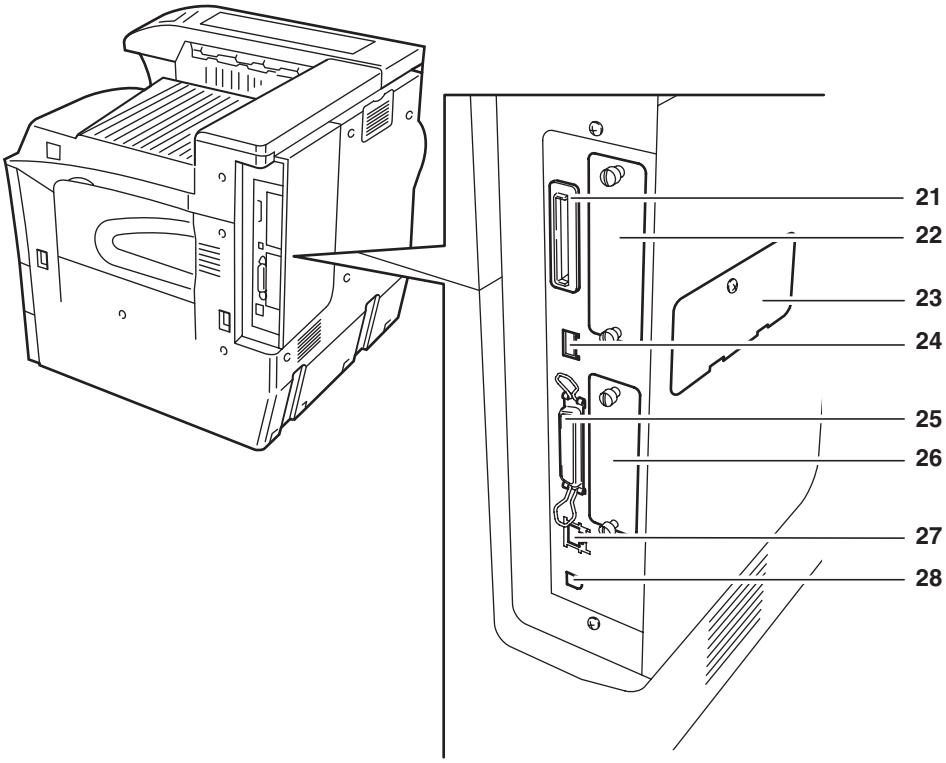
IMPORTANT: After turning the printer off, please wait at least five seconds before turning it on again.

Components at the Left and the Rear of the Printer



15 Power Cord Connector
16 Option Unit Connector
17 Handles for Transport
18 Left Cover 2
19 Lock Lever
20 Left Cover 1

Components at the Right of the Printer



21 Memory Card Slot
22 Option Interface Slot (OPT)
23 Option Memory Slot Cover
24 USB Memory Slot (A1)
25 Parallel Interface Connector
26 Option Hard Disk Unit Slot (HDD)
27 Network Interface Connector
28 USB Interface Connector (B1)

2 Printing Operation

This chapter contains explanations on the following topics:

- Loading Printer Driver 2-2
- Printing from Application Software 2-3

Loading Printer Driver

Ensure the printer is plugged in and connected to the PC before installing the printer driver from the CD-ROM.

1 Switch on the PC and activate Windows.

NOTE: If the **Welcome to the Found New Hardware Wizard** dialog box displays, select Cancel.

2 Insert the CD-ROM supplied with the printer into the optical drive of the PC.

3 The installation program launches.

NOTE: If the installation program fails to launch, use Windows Explorer to access the CD-ROM and select Setup.exe.

4 Perform the procedures displayed on the installation program to install the KX DRIVER.

Printing from Application Software

The steps required to print a document created with an application are explained below. You can select the printing *Paper Size* and *Output Destination*.

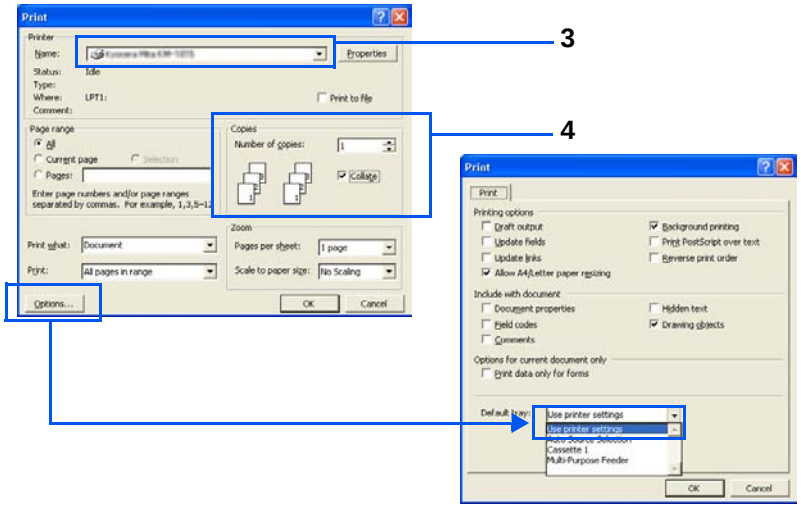
1 Load the paper required into the paper cassette.

2 From the application *File* menu, select **Print**. The **Print** dialog box displays.

3 Click the drop down list of printer names. All the printers installed in Windows are listed. Click the name of the machine.

4 Use **Number of copies** to enter the number of prints required. Up to 999 copies can be entered.

For Microsoft Word, we recommend that you click **Options** and specify **Use printer settings** for the **Default tray**.



5 To start printing, click **OK**.

3 Maintenance

This chapter contains explanations on the following topics:

- General Information..... 3-2
- Toner Container Replacement..... 3-3
- Cleaning the Printer..... 3-11

General Information

This chapter describes basic maintenance tasks you can perform on the printer. You can replace the following component according to the printer's display:

- Toner Container
- Waste Toner Box

Also, the internal parts need periodic cleaning.

Toner Container Replacement

The toner container in the printer should be replaced as soon as the message display shows `Toner low` or soon after. If you continue to use the printer, eventually the toner supply will be exhausted at which point the printer will stop printing and the `Replace toner Clean printer` message will be shown instructing you to install a new toner kit.

Frequency of toner container replacement

Assuming an average toner coverage of 5 % and EcoPrint mode turned off, the toner container will need replacing approximately once every 40,000 pages.

Starter Toner Container

The toner container packed with the new printer is a starter toner container. The starter toner container lasts an average of 20,000 pages.

Toner Kits

For best results, we recommend that you only use genuine Kyocera Parts and Supplies.

A new toner kit contains the following items:

- Toner Container
- Cleaning cloth
- Plastic waste bags for old toner container and old waste toner box
- Waste toner box

NOTE: Be sure to clean the inside of the printer when replacing the toner container.

Understanding Messages Requesting Toner Container Replacement

The printer displays messages at two stages of toner usage. This message is automatically alternated with the other printer message (such as `Ready`):

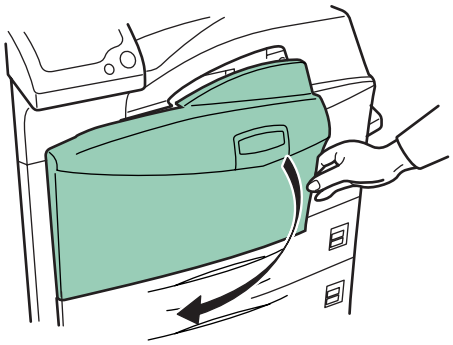
- When the printer becomes low on toner, the printer displays the message `Toner low` as the first caution. Note the replacement is not always necessary at this stage.
- If you ignore the above message and continue printing, the printer displays the message `Replace toner` - just before the toner is used up. The toner container must be replaced immediately. After the cleaning is finished, however, the message does not automaticallychange to `Ready`. To restart printing, you must press **[GO]** and make the printer ready.

Replenishing Toner

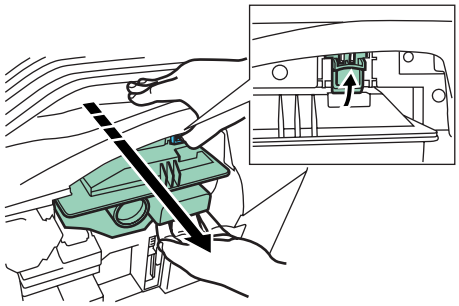
This section explains how to replace the toner container. When replacing the toner container, always replace the waste toner box at the same time. If this box is full, the printer may be damaged or contaminated by the waste toner that may spill over the box.

NOTE: During toner container replacement, temporarily put storage media and computer supplies (such as floppy disks) away from around the toner container. This is to avoid damaging media by the magnetism of toner.
You do not have to turn printer power off before starting the replacement. Any data that may be under printing process in the printer will be deleted if you turn printer power off.

1 Open the printer front cover all the way.

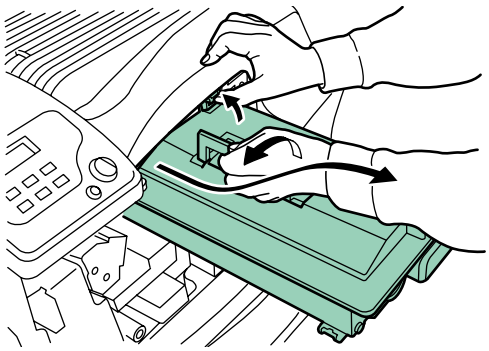


2 Push the lock lever up and gently remove the toner container until its handle appears.

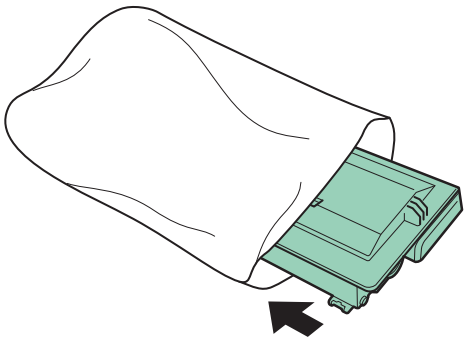


NOTE: Do not pull the toner container all the way as it can fall off and the toner spots the floor.

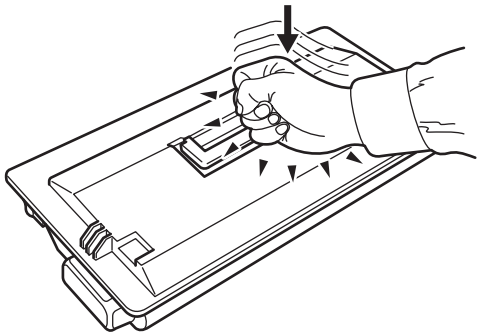
3 Grasp the handle on the toner container, push the lock lever up again and gently lift the toner container.



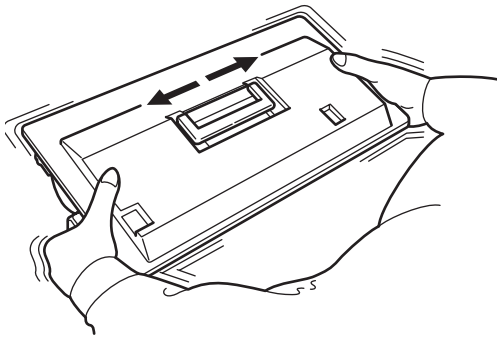
4 Seal up the old toner container with the supplied plastic bag and dispose of it.



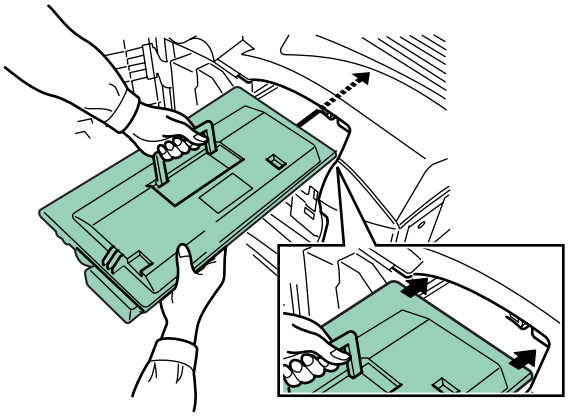
5 Lightly tap the new toner on the top 5 to 6 times.



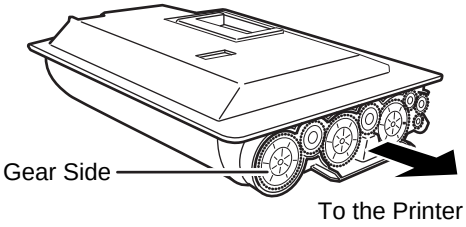
6 Thoroughly shake the toner container (in the direction of the arrows) ten times or more to loosen and mix the toner inside.



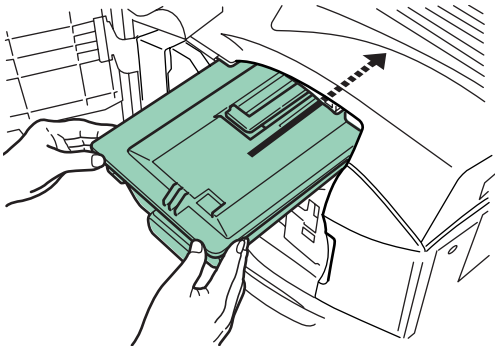
7 Grasp the handle on the toner container and insert the toner container along the rail of the printer.



When inserting, be sure that the gear side of the toner container faces the printer. Leave the front cover open to allow insertion of the waste toner box.



8 Hold the toner container using both hands and fully insert it into the printer.



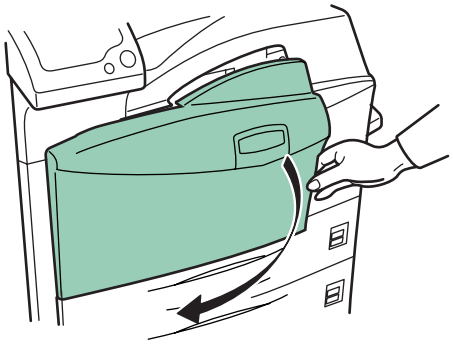
9 Close the front cover.

Replacing the Waste Toner Box

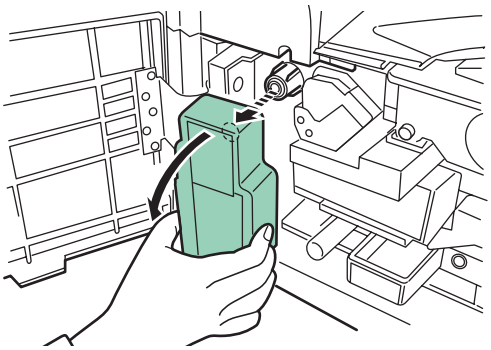
When replacing the toner container, the used waste toner box in the printer should also be replaced with the new one from the new toner kit. The printer will not operate without replacing the waste toner box.

The old waste toner box has two stickers (explained as A and B) at the front. These stickers are used to seal the opening to prevent the waste toner from spilling out.

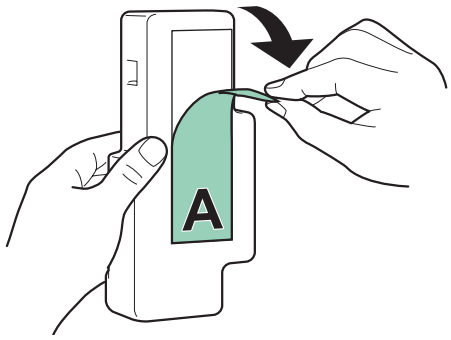
1 Open the printer front cover all the way.



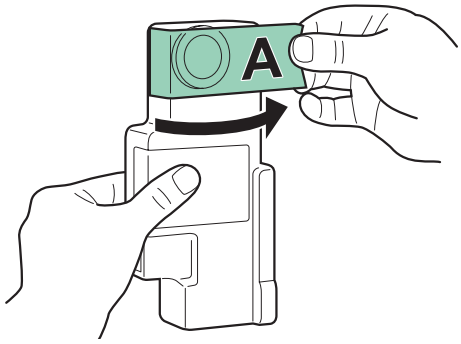
2 Remove the old waste toner box as shown in the figure.



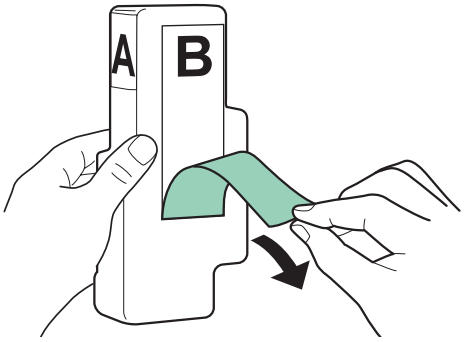
3 Peel sticker A off the waste toner box.



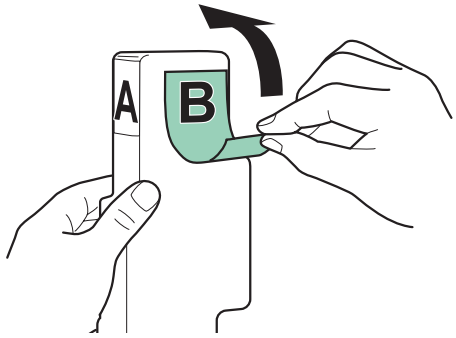
4 Turn around the waste toner box. Stick sticker A over the opening at the back.



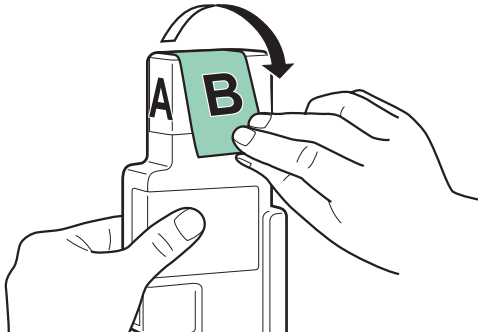
5 Peel off the backing paper to gain access to sticker B.



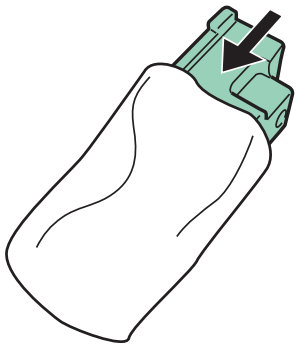
6 Peel sticker B off the waste toner box.



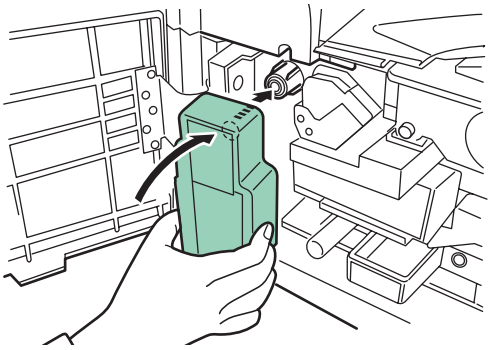
7 Stick sticker B down over top of sticker A at the back.



8 Seal up the old waste toner box with the supplied plastic bag and dispose of it.



9 Fit the new waste toner box to the printer.



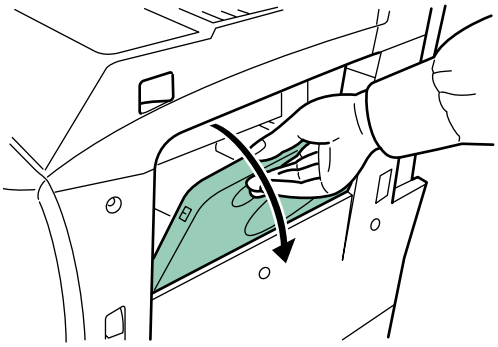
10 Close the front cover.

Cleaning the Printer

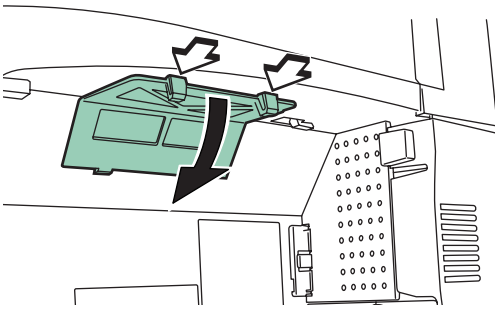
Cleaning the Filters

When replacing the toner container, also clean the filters.

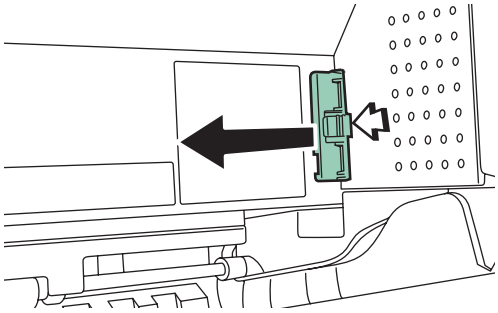
1 Open the MP tray.



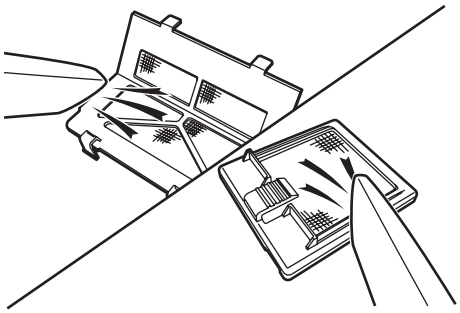
2 Remove the filters from the printer. Press in the tabs on the top filter while removing it.



3 Press in the tab on the right filter while removing it.

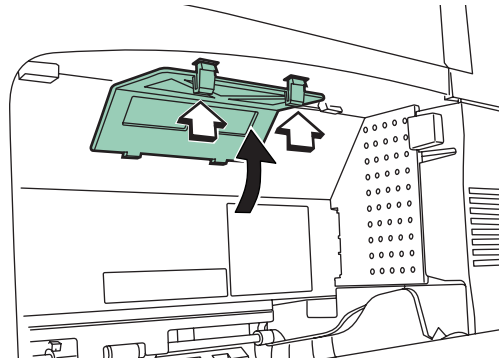


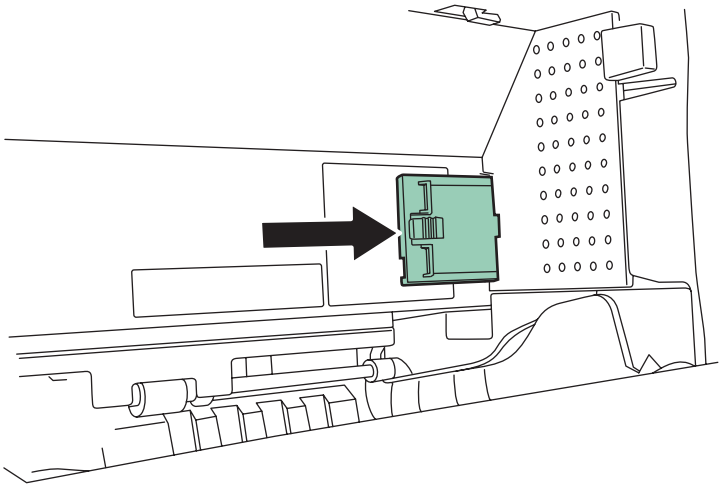
4 Clean the filters using a vacuum cleaner or a dry cloth.



Do not wash the filters nor use the cleaning brush supplied with the machine.

5 After cleaning, replace the filters in their original positions.



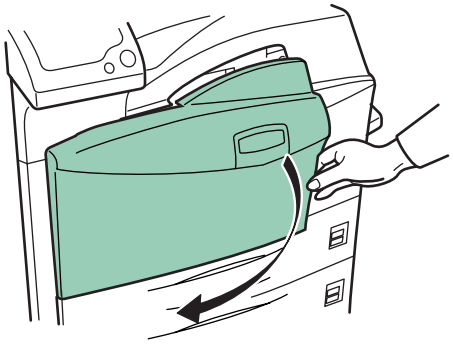


After cleaning the filters, proceed to next section.

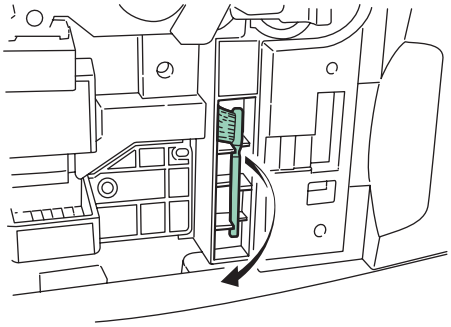
The Inside of the Printer

To avoid print quality problems, the interior of the printer must be cleaned.

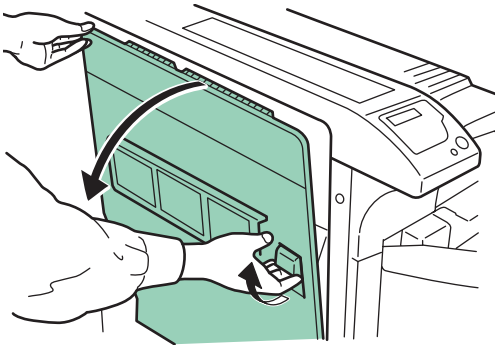
1 Open the front cover all the way.



2 Remove the blue colored cleaning brush.

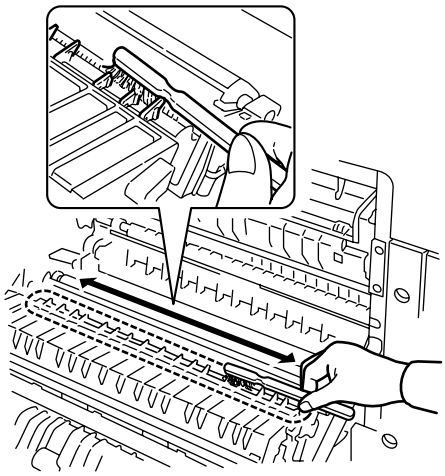


3 Pull up the lock lever on the left side of the printer, and open the left cover 1.

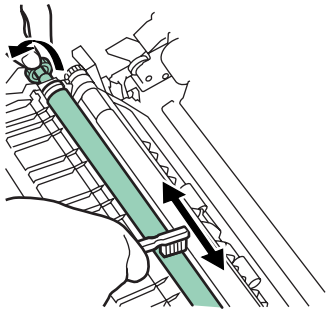


4 Clean the separator by moving the cleaning brush from left to right along with the separator.

NOTE: When removing jammed paper, be careful not to touch the printer drum. This can cause printer malfunction.



5 While rotating the transfer roller with the gear on its left, move the cleaning brush back and forth along the transfer roller to remove soiling as shown. After cleaning, return the cleaning brush to its storage space, and close the left cover 1 and the front cover.



4 Troubleshooting

This chapter explains how to handle printer problems that may occur. If a problem cannot be corrected, contact your service representative.

This chapter explains the following topics:

- General Guideline 4-2
- Print Quality Problems..... 4-4
- Indicators and Messages 4-7
- Correcting a Paper Jam 4-14

General Guideline

If some kind of problem should occur, check the following before concluding the printer is broken;

Symptom	Check Items		Corrective Action
The printer will not print from the computer.	Check the **READY** indicator.	Off	Look through the items below and check anything that seems appropriate.
		Flashing	An error has occurred. Check the message display, and then take measures referring to *Indicators and Messages on page 4-7*.
		Lit	Refer to the appropriate item below.
	Check the **ATTENTION** indicator.	Flashing	Refer to *Indicators on page 4-7*.
		Lit	
	A maintenance message appears in the message display.		Refer to *Maintenance Messages on page 4-7*.
Print quality is not good.			Clean the filters. Refer to *Print Quality Problems on page 4-4*.
Paper is jammed.			Refer to *Correcting a Paper Jam on page 4-14*.
Nothing lights on the operation panel even when power is turned on and the fan makes no noise.	Check that the power cord is properly plugged into the power outlet.		Turn off the printer's power, plug in the power cord securely, and try turning on the printer's power again.
	Check that the main switch is really in the ON (|) position.		
The printer prints a status page, but data from the computer is not being printed normally.	Check the interface cable.		Connect both ends of the interface cable securely. Try replacing the printer cable.
	Check program files and application software.		Try printing another file or using another print command. If the problem occurs only with a specific file or application, check the printer settings for that application.

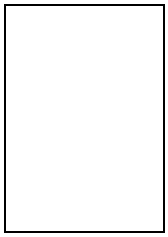
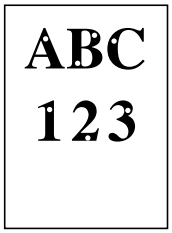
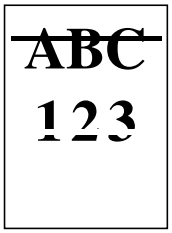
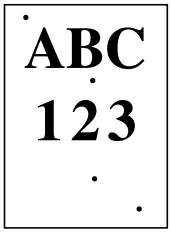
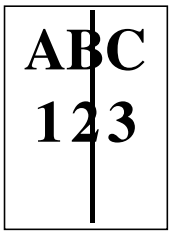
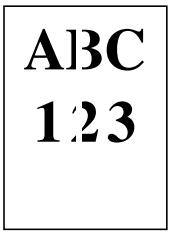
Tips

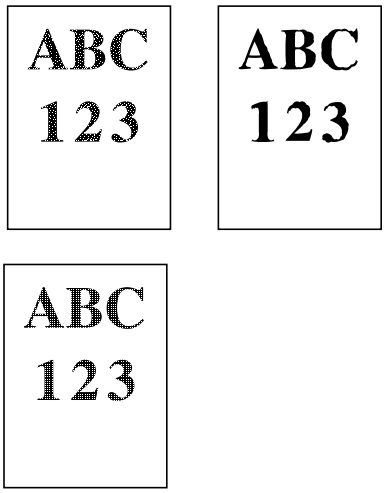
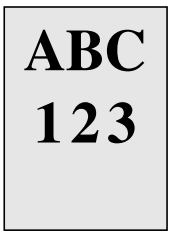
Printer problems may be solved easily by following the tips below. When you have encountered a problem that following the above guidelines will not solve, try the following:

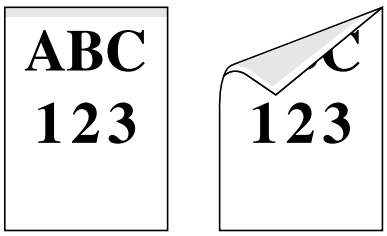
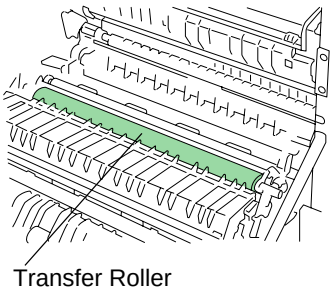
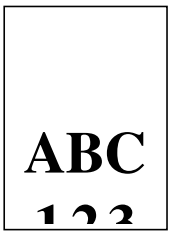
- Turn the printer power off and wait for several seconds. Then, turn on the printer.
- Reboot the computer which sends the print jobs to the printer.
- Obtain and use the latest version of the printer driver. The latest versions of printer drivers and utilities are available at: http://www.kyoceramita.com/download/.
- Make sure that the procedures for printing are correctly followed in the application software. Consult the documentation supplied with the application software.
- If the printer prints garbage characters or stalls when the computer is turned on, particularly when the printer is connected to the computer under Windows 98 via the parallel port, rename device driver file drvwppqt.vxd. This file may be located in Windows\System\Iosubsys or Arcada\System folder. For technical details, visit Microsoft web site for the device driver.

Print Quality Problems

As the following table shows, there are many possible causes of print quality problems, such as blank output. The troubleshooting procedure for each type of problem is explained below. If you still cannot solve the problem, contact your service representative.

Printed Results	Corrective Action
Completely blank printout 	**Check the toner container.** Open the printer front cover and check that the toner container is correctly installed in the printer. Refer to *Toner Container Replacement on page 3-3*.
Dropouts, horizontal streaks, stray dots   	**Refresh drum.** Refer to the following procedures in the operation panel and try cleaning the drum surface using the printer's built-in cleaning system. 1 Press **[MENU]**, and then press △ or ▽ to display `Others >`. 2 Press ▷, and then press △ or ▽ to display `>Service >`. 3 Press ▷, and then press △ or ▽ to display `>>Drum`. And then press **[OK]** twice. 4 The message display shows `Processing`, and then the drum starts turning and stops after approx.6 minutes. The printer reverts to `Ready`.
	Clean the separator. Open the printer left cover 1 and clean the separator with a cleaning brush. Refer to *Toner Container Replacement on page 3-3*.
Black or white vertical streaks  	**Clean the charger.** Refer to the following procedures in the operation panel and try cleaning the charger using the printer's built-in cleaning system. 1 Press **[MENU]**, and then press △ or ▽ to display `Others >`. 2 Press ▷, and then press △ or ▽ to display `>Service >`. 3 Press ▷, and then press △ or ▽ to display `>>Charger`. And then press **[OK]** twice. 4 The message display shows `Please wait`, and then the charger cleaning starts and stops after approx.45 seconds. The printer reverts to `Ready`.

Printed Results	Corrective Action
Faint or blurred printing  	**Check the EcoPrint setting.** When this setting is `On`, switch it to `Off` on the operation panel.
	Check the operation panel. • If the `Toner low` message is displayed and the **ATTENTION** indicator is flashing, install a new toner kit. Refer to *Toner Container Replacement on page 3-3*. • Set the print density from the operation panel to a higher level than the current setting. • Make sure the paper type setting is correct.
Grey background  	**Refresh drum.** Refer to the following procedures in the operation panel and try cleaning the drum surface using the printer's built-in cleaning system. 1 Press **[MENU]**, and then press △ or ▽ to display `Others >`. 2 Press ▷, and then press △ or ▽ to display `>Service >`. 3 Press ▷, and then press △ or ▽ to display `>>Drum`. And then press **[OK]** twice. 4 The message display shows `Processing`, and then the drum starts turning and stops after approx.6 minutes. The printer reverts to `Ready`.
	Check the operation panel. If the `Toner low` message is displayed and the **ATTENTION** indicator is flashing, install a new toner kit. Refer to *Toner Container Replacement on page 3-3*.
	Check the print density. Display the print density menu from the operation panel and select a lighter density setting.
	Check the toner container installation. Open the printer front cover and check that the toner container is correctly installed. Refer to *Toner Container Replacement on page 3-3*.

Printed Results	Corrective Action
Dirt on the top edge or back of the paper 	**Check the paper ramp.** Open the printer left cover and check for toner on the paper ramp. Clean the paper ramp using a soft, dry, lint-free cloth. Refer to *Toner Container Replacement on page 3-3*.
	Check the transfer roller. Open the printer left cover 1 and check the transfer roller. If the transfer roller is dirty with toner, try printing several pages. 
Characters out of position 	**Check the file or program.** Check whether the problem is being caused by a PRESCRIBE command error. If the problem occurs only with a specific file or program, the most likely cause is an error in a parameter to a command or command syntax.

Indicators and Messages

The tables on the following pages indicate how to respond to problems indicated by the operation panel indicators and messages.

Indicators

Indicator	Condition	Description
READY	Flashing	An error occurs that you can clear by yourself.
	Lit	The printer is on-line. The printer is ready to print.
	Off	The printer is off-line. The printer stores but does not print received data. Also indicates when printing is automatically stopped due to occurrence of an error.
DATA	Flashing	Data transfer is taking place.
	Lit	Either data is being processed, or data is being written onto the option memory card or hard disk.
ATTENTION	Flashing	The printer needs maintenance attention or the printer is warming up (`Please wait`).
	Lit	A problem or an error occurs that you can clear by yourself. (For example, a paper jam occurs.)
	Off	Operations are normal.

Maintenance Messages

The following table lists maintenance messages that you can deal with by yourself. If `Call service person` appears, turn off the printer, disconnect the power cord, and contact your Kyocera Mita dealer.

Message	Corrective Action
`Add paper (paper source)`	The paper has run out. Supply paper according to the paper source displayed (paper cassette, MP tray, or optional paper feeder). Messages indicating the printer status (`Ready, Please wait, Processing, Waiting, FormFeed TimeOut, Paper loading`*) are displayed alternately. * These messages will not appear when the number of copies is set to 2 or more.
`Add staples`	The stapler unit is not installed correctly in the document finisher. Install it correctly.
`Add staples` `Press GO`	No staples are installed in the stapler. Set it in the stapler. If you wish to continue printing without the staple function, press **[GO]**.
`Call service` `F###`	F### represents a controller error (`#=0, 1, 2, ...`). Call for service. The printer does not operate when this message is displayed.

Message	Corrective Action
`Call service ####:0123456`	#### represents a mechanical error (`#=0, 1, 2, ...`). Call for service. The printer does not operate when this message is displayed. The total number of pages printed is also indicated, e.g. `0123456.`
`Cassette # not loaded`	A cassette is not loaded properly in the printer. Properly load the cassette indicated by #. The number (#) of the cassette is from 1 to 4.
`Chad box full`	The punch unit chad box of the option document finisher is full. Discard the chads.
`Check chad box Press GO`	The punch unit waste box of the document finisher is full or is not installed correctly. Check if the box is properly installed, and then discard the chads if the box is full. Press **[GO]** to resume printing.
`Clean printer Press GO`	Clean the inside of the printer. Refer to *Toner Container Replacement on page 3-3*. This message will be displayed when replacing the toner container after the message `Replace toner Clean printer` is displayed. After cleaning the inside of the printer, press **[GO]** and the printer will be ready for printing.
`Close finisher cover`	Close the option document finisher cover.
`Close front cover`	Close the printer front cover.
`Close left cover 1(2,3)`	Close the printer left cover. If left cover of the option paper feeder is open, 2 or 3 is displayed.
`Close mailbox cover`	Close the mailbox cover.
`Duplex disabled Press GO`	Duplex printing cannot be performed due to paper size or type. Press **[GO]** and the printer will print on one side only.
`Error. Power off F###`	Turn the power switch off and then back on again. If this message still remains, turn the power switch off, and contact your service representative or authorized service center.
`Finisher tray ## paper full`	The finisher tray is full. When removing the paper, printing will be resumed. ## indicates the tray number.

Message	Corrective Action
`Finisher path error`	The option document finisher is not installed correctly. Install it correctly.
`Incorrect slot Please reinstall`	The hard disk or the network interface card has been installed in the wrong slot. Turn off the printer and reinstalled in the correct slot.
`Install MK`	The maintenance kit (MK-710 for FS-9130DN and FS-9530DN) needs to be replaced. Replace the maintenance kit since the total number of printed pages has reached 500,000. Call for service. The maintenance kit includes a drum unit, developer unit and so on.
`Folding tray paper full`	The folding tray has become full. You must remove all printed pages from the folding tray. When the printer senses that the folding tray is empty again, it will continue printing into the folding tray.
`Load cassette #` (paper size)/(paper type)* *(paper size) and (paper type) are displayed flashing alternately.	There is data for printing that matches with a paper cassette setting (paper size, paper type), but there is no paper in the paper cassette. Set paper into the paper source as indicated by # in the operation panel, and press **[GO]** to restart printing. However, the paper source numbers (3 to 4) are only displayed when there is an option paper feeder installed. Or, if you want to print from a different paper source press △ or ▽ to display `Use alternative?` (paper size)/(paper type) * and you can change the source for paper feeding. After selecting a paper source and pressing **[MENU]**, `Paper Handling >` appears. By pressing ▷, the paper size and type settings menu appears. After setting the correct paper size and type, press **[OK]** to check the paper source, and press **[GO]** to start printing.
`Load MP tray` (paper size)/(paper type) *(paper size) and (paper type) are displayed flashing alternately.	There is no paper cassette set (paper size, paper type) that matches with the data for printing, so printing is done from the MP tray. Set paper into the MP tray that matches the paper size and type shown on the display and press **[GO]** to restart printing. Or, if you want to print from a different paper source press △ or ▽ to display `Use alternative?` (paper size)/(paper type) * and you can change the source for paper feeding. After selecting a paper source and pressing **[MENU]**, `Paper Handling >` appears. By pressing △, the paper size and type settings menu appears. After setting the correct paper size and type, press **[OK]** to check the paper source, and press **[GO]** to start printing.
`Mailbox tray ## paper full`	The mailbox tray is full. When removing the paper, printing will be resumed. ## indicates the tray number.

Message	Corrective Action
`Missing chad box`	The punch unit chad box of the document finisher is not installed correctly. Install it correctly.
`Missing folding tray`	The folding tray is not installed correctly. Install it correctly.
`Missing folding unit`	The folding unit is not installed correctly. Install it correctly.
`Missing toner container`	Install the toner container. Refer to *Toner Container Replacement on page 3-3*. The printer does not operate when this message is displayed.
`Missing waste toner box`	Install the waste toner box. Refer to *Toner Container Replacement on page 3-3*. The printer does not operate when this message is displayed.
`No multi copies Press GO`	Multiple copies cannot be printed because RAM disk is disabled or the hard disk is not installed. There is no available RAM disk or hard disk space. Delete unnecessary files. Press **[GO]** to print error report.
`Paper jam ###############`	Open the front cover or left cover and correct the paper jam (or paper mis-feeding in the paper cassette). The location of the paper jam is also indicated in place of the #'s. Online help messages which are useful for correcting the paper jam will be displayed by pressing the ? key. (Refer to *Correcting a Paper Jam on page 4-14*.)
`Replace toner Clean printer`	Replace the toner container using a new toner kit. The printer does not operate when this message is displayed. Refer to *Toner Container Replacement on page 3-3*.
`Replace waste toner box`	Replace the old waste toner box with the new one which is included in the toner kit. The message will also be shown if the waste toner box has become full. The waste toner box should be replaced when the message display eventually shows `Toner low`. Refer to *Toner Container Replacement on page 3-3*.
`Set paper Press GO`	There is no paper in the MP tray when printing from the MP tray. Set paper into the MP tray, and press **[GO]** to restart printing.
`Toner low`	Replace the toner container using a new toner kit. Refer to *Toner Container Replacement on page 3-3*.
`Top tray paper full`	The top tray has become full (approx. 500 pages). You must remove all printed pages from the top tray. When the printer senses that the top tray is empty again, it will continue printing into the top tray.
`Unknown toner installed`	The installed toner container is displayed if determined not to be an original Kyocera toner container by the self-diagnostic performed after power is switched on. If a toner container which indicates `Toner low` or `Replace toner Clean printer` is installed to other printers of the same model, this message may be displayed. But, in this case, this toner container can be used.

Message	Corrective Action
Warning image adapt	Printing job cannot be done in current resolution because there is not enough internal memory. Try adding more memory or changing resolution.
Warning low memory	The printer's internal memory is running low due to the number of fonts and macros downloaded. Print a status page to see how much user memory is left, and try deleting unnecessary fonts and macros.

: Alarm buzzer sounds when an error occurs. Press **[CANCEL]** to stop the alarm buzzer.

Error Messages

The following table lists error messages that can be dealt with by the user.

Message	Corrective Action
e-MPS not stored Press GO	The e-MPS job cannot be stored because RAM disk is disabled, RAM disk size is insufficient, hard disk is not installed, or hard disk is full. Press [GO] to print error report.
File not found Press GO	VMB: A VMB tray that was specified for output does not contain any jobs, or the VMB tray is not being used. Confirm the VMB tray. If Auto Continue is set to On, printing will be automatically resumed after a preset period of time.
Format error Memory card	This message appears when the printer is in the ready state and the memory card is not formatted, and therefore cannot be read or written.
Format error Hard disk	Initialization (formatting) of the hard disk is required. Initialize the hard disk.
Hard disk err ## Press GO	Look at the error code given in place of ## and refer to the corresponding description given below. 01: Hard disk format error. If this error recurs even if the power has been turned off and then on, reformat the hard disk. 02: The disk system is not installed. Recheck the requirements for using the system and the devices. 04: There is no available hard disk space. Delete unnecessary files, etc., to free up space. 05: The specified file does not exist in the hard disk. 06: There is no memory available to the hard disk system. Increase the available memory. 10: Formatting is not possible because host data is being spooled on the hard disk.Wait until Ready is displayed, and then format. 20: The hard disk was installed in the incorrect slot (OPT). Reinstall the hard disk in a different slot (HDD). 85: VMB; Alias error (the alias setting was lost, or the VMB tray corresponding to the alias does not exist). Set the alias again. 97: Code job; The number of permanent code jobs reached the limit value, and no more can be saved. Either delete some unnecessary jobs, etc., or increase the limit. 99: A print job for the specified ID does not exist in the hard disk.

Message	Corrective Action
I/F occupied	This message is displayed when you attempt to use the printer's operation panel to change the environmental settings on the interface from which data are presently being received.
ID error	The ID entered for a private job, or a stored job is not correct. Check the ID that is set using the printer driver.
Insert the same Memory card	You have inserted the wrong memory card when the Insert again message was displayed. Remove the wrong memory card from the printer's memory card slot and insert the correct memory card. The printer again reads it from the beginning of the data.
KPDL error ## Press GO	Current print processing cannot continue. To print out an error report, display >Print KPDL Errs from the mode select menu, and select On. Press **[GO]** to resume printing. You can abandon printing by **[CANCEL]**. If Auto Continue is set to On, printing will be automatically resumed after a preset period of time.
Memory card err Insert again	The memory card is accidentally removed from the printer's memory card slot during reading. If you continue reading the memory card, insert the same memory card into the slot again. The printer again reads it from the beginning of the data. **NOTE:** We recommend that you follow the reading procedure from the beginning to ensure correct reading of the memory card.
Memory overflow Press GO	The total amount of data received by the printer exceeds the printer's internal memory. Try adding more memory (expansion DIMM). Press **[GO]** to resume printing. You can abandon printing by **[CANCEL]**. If Auto Continue is set to On, printing will be automatically resumed after a preset period of time.
MemoryCard err## Press GO	This message appears when an error occurs during access to the memory card using the PRESCRIBE RWER command or from the printer's operation panel. Look at the error code given in place of ## and refer to the corresponding description given below. 01: The memory card does not meet specifications. This memory card cannot be used by this printer. Insert a memory card which can be used by this printer. 02: The memory card is not installed. Recheck the requirements for using the memory card. 04: The capacity of the memory card is insufficient. Clean up files. 05: Specified file is not on the CompactFlash card. 06: No memory for use by memory card. Expand printer memory.

Message	Corrective Action
Print overrun Press GO	The data transferred to the printer was too complex to print on a page. Press **[GO]** to resume printing. (The page may break in some pages.) You can abandon printing by **[CANCEL]**. **NOTE:** After this message is displayed, page protect mode will be On. To maintain optimum use of memory during printing, display >Page Protect from the operation panel, and re-select Auto. If Auto Continue is set to On, printing will be automatically resumed after a preset period of time.
RAM disk error ## Press GO	Look at the error code given in place of ## and refer to the corresponding description given below. 01: Format error. Try turning the power off and on again. 02: RAM disk mode is Off. Turn RAM disk mode On. 04: No disk space. Clean up files. 05: Specified file is not on disk. 06: No memory for use by disk system. Expand printer memory.
Virtual mailbox full	The storage area for the VMB is full. Print out accumulated VMB data.
USB mem. removed Press GO	The USB flash memory is accidentally removed from the printer. To ignore the USB memory error, press **[GO]**. The message display returns to Ready.
USB memory err05 Press GO	The designated file does not exist. Check the designated file name and existence of the file in the USB memory.

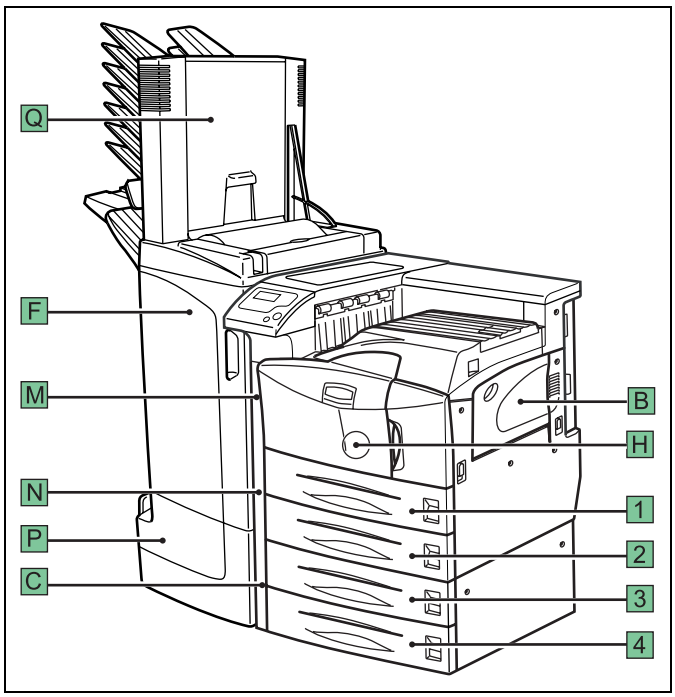
:Alarm buzzer sounds when an error occurs. Press **[CANCEL]** to stop the alarm buzzer.

Correcting a Paper Jam

The `Paper jam` message is displayed on the message display when paper becomes stuck in the paper transport system, the paper feed timing is incorrect, or paper fails to feed at all. The jam can be corrected by removing the paper.

The printer goes off-line when the `Paper jam` message is displayed.

When a paper jam occurs, a paper jam message and the paper jam location are indicated on the message display. Details of the messages and paper jam locations are as follows:



Paper jam message	Paper jam location	Description	Reference page
`Paper jam Cassette 1`	1	Paper is jammed at the upper cassette or inside the printer.	*4-16*
`Paper jam Cassette 2`	2	Paper is jammed at the lower cassette or inside the printer.	*4-16*
`Paper jam Cassette 3`	3	Paper is jammed at an option paper feeder cassette. (PF-700 upper cassette, PF-750)	*4-16*
`Paper jam Cassette 4`	4	Paper is jammed at an option paper feeder cassette. (PF-700 lower cassette)	*4-16*
`Paper jam Finisher`	F	Paper is jammed in the paper stacker of the option finisher (F).	DF-710 or DF-730 Operation Guide
`Paper jam Folding Unit`	P	Paper is jammed in the booklet folder (P).	DF-710 Operation Guide

Paper jam message	Paper jam location	Description	Reference page
Paper jam Cassette	1, 2, 3, 4	Paper is jammed in the paper cassette.	*4-16*
Paper jam MP Tray	B	Paper is jammed at the multi purpose (MP) tray.	*4-17*
Paper jam MP Transport	H	Paper is jammed at the MP transport.	*4-17*
Paper jam Left Cover 1	M	Paper is jammed in a left cover section.	*4-21*
Paper jam Left Cover 2	N	Paper is jammed in a left cover section.	*4-22*
Paper jam Left Cover 3	C	Paper is jammed in the left cover section of an option unit. (PF-700, PF-750)	*4-23*
Paper jam Mailbox	Q	Paper is jammed at the mailbox.	DF-710 Operation Guide

When the jammed paper has been removed, open and close the printer's front cover. Then the printer automatically warms up, goes on-line, and continues printing. Depending on the point at which the jam occurred, the printer may or may not print the jammed page.

If paper jams occur frequently, try using a different type of paper, replace with paper from another ream, turn the stack of paper over, or turn the paper the other way around. Also, look for tiny pieces of paper that may have been torn off and overlooked when the jammed paper was removed.

If you cannot solve the problem by changing the paper, there may be a problem with the printer. Contact your service representative.

NOTE: When removing jammed paper, pull it out carefully so as not to tear it. Torn pieces of paper are difficult to remove and may be hand to find. Be sure to remove them all.

Online help messages

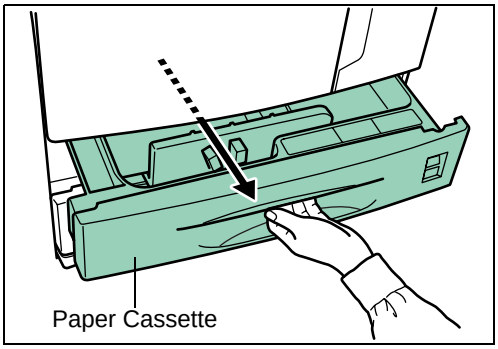
With the online help message function, this printer can display the procedure to correct a paper jam on the message display. When a paper jam message is displayed, press the ? key.

Pressing ▽ at the online help message display shows the next step; pressing △ shows the previous step. To exit the online help message display, press the ? key. The previously shown paper jam message appears.

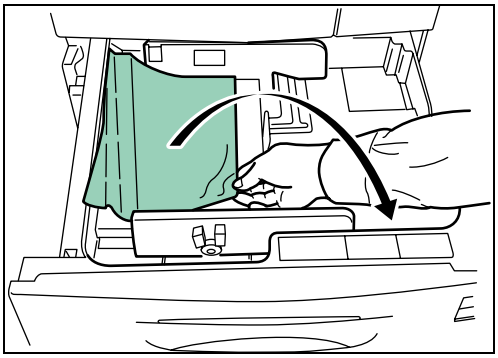
Paper Cassette

The following procedure also applies to the optional paper feeder.

1 Pull out the paper cassette.



2 Remove the jammed paper while taking care not to tear it. If the paper has been torn, remove all the scraps from the inside the printer.

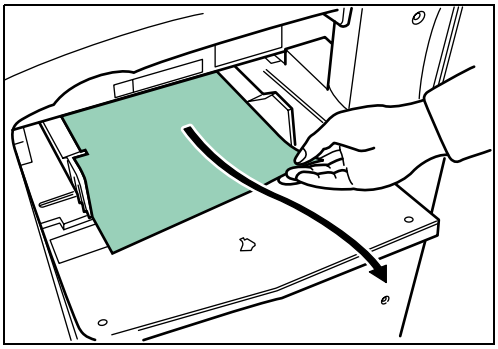


3 Close the paper cassette.

MP Tray

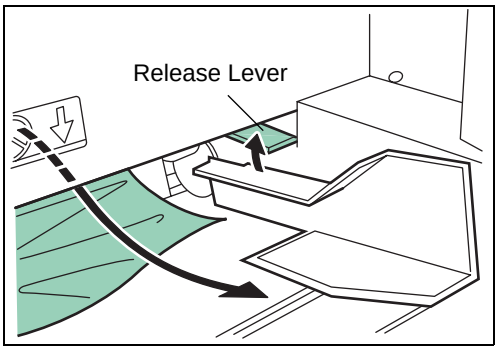
Paper is jammed at the MP tray. Remove the jammed paper using the procedure given below.

1 Remove the paper jammed at the MP tray.



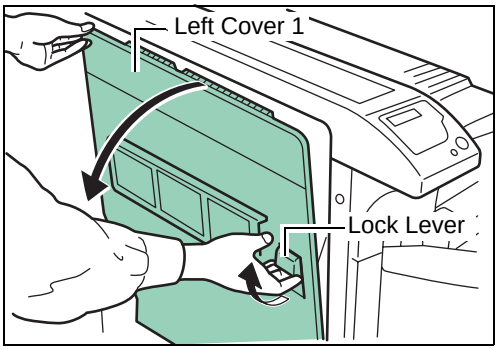
2 If the jammed paper remains at the MP tray, pull up the lever and remove the jammed paper.

If the missed paper cannot be removed, go to the next step.

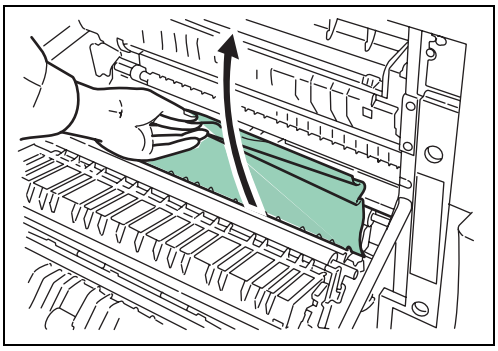


Inside the MP transport

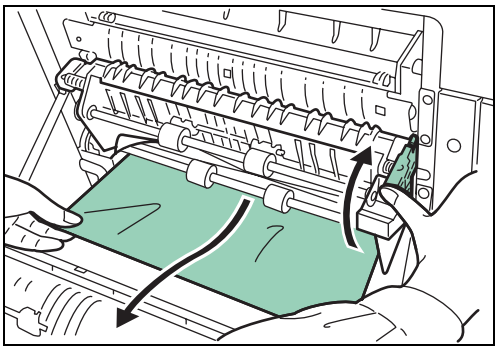
1 Pull up the lock lever and open left cover 1.



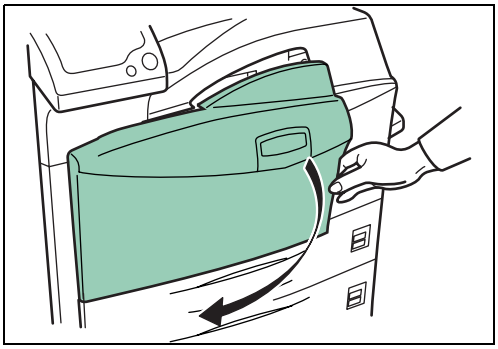
2 Remove the jammed paper.



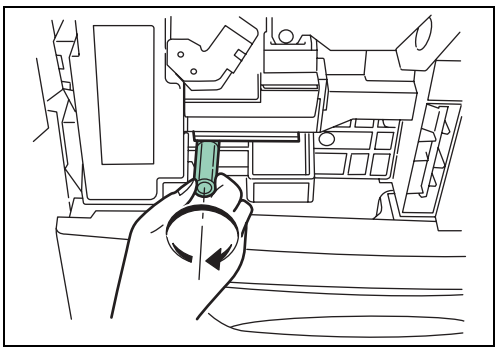
3 Push the lever (gray colored) to raise the duplex unit and remove the jammed paper.



4 Open the front cover.

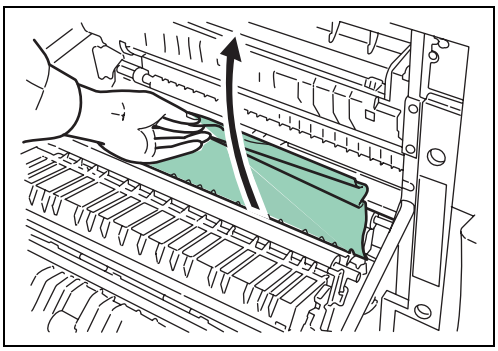


5 Turn the knob clockwise to release the jammed paper from the MP transport tray section.

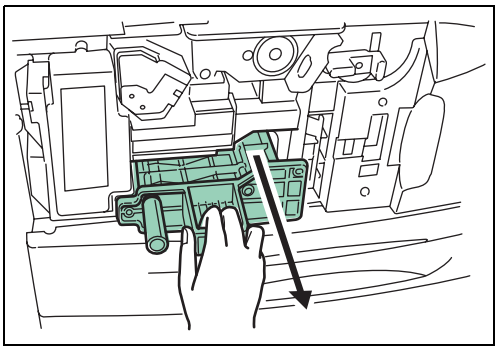


6 Open left cover 1 to remove paper jammed in the MP transport tray.

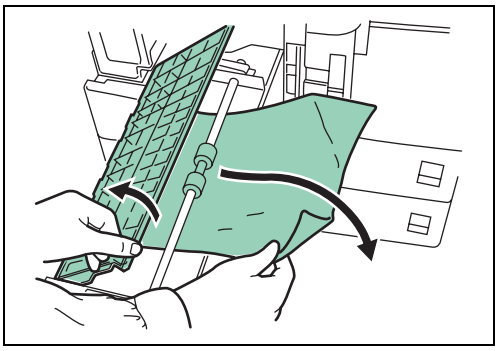
NOTE: When removing jammed paper, be careful not to touch the printer drum. This can cause printer malfunction.



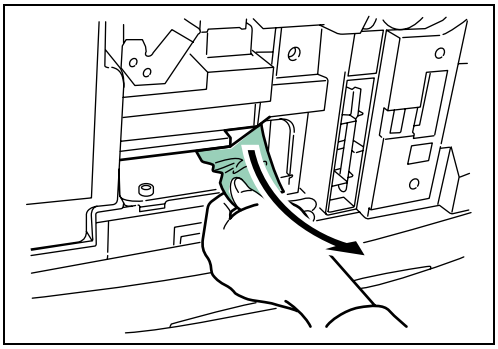
7 Pull out the MP transport tray as far as it will go.



8 Open the MP transport tray cover and remove any jammed paper.



9 If the paper has been torn, remove the jammed paper.



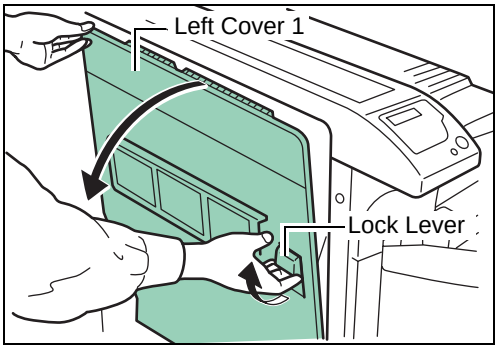
10 Replace the MP transport tray in its original position, then close the front cover.

Jam in Left Cover 1

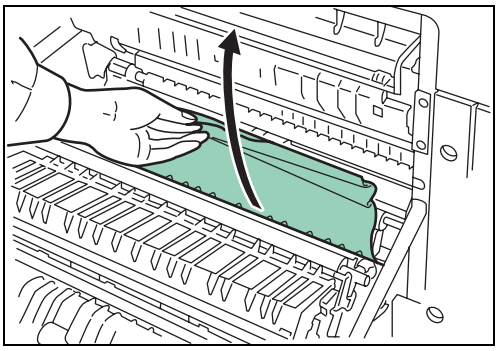
WARNING: The printer's fixing unit is extremely hot. Take sufficient care when working in this area, as there is a danger of getting burned.

CAUTION: Take care not to leave any small pieces of paper in the printer when removing paper jams as this may result in fire.

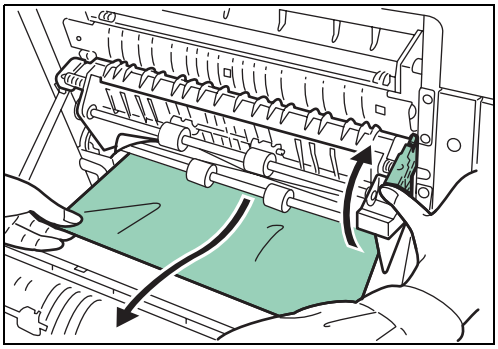
1 Pull up the lock lever and open left cover 1.



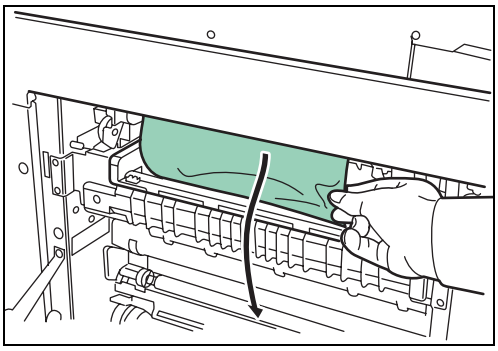
2 Remove the jammed paper.



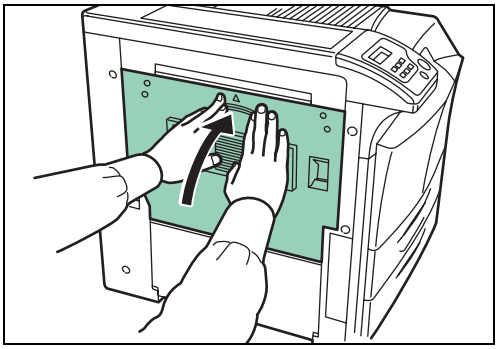
3 Push the lever (gray colored) to raise the duplex unit and remove the jammed paper.



4 If there is jammed paper in the output section, remove it.

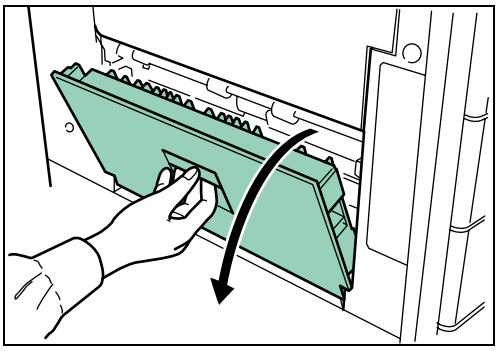


5 Close left cover 1.

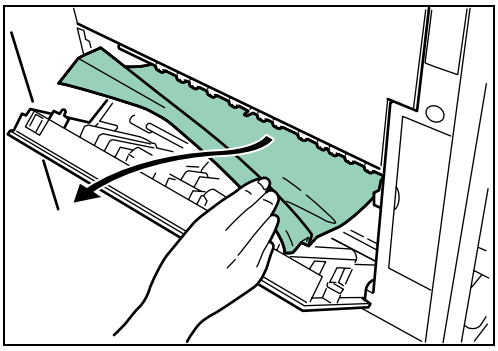


Left Cover 2

1 Open left cover 2.



2 Remove the jammed paper.



3 Close left cover 2.

Document Finisher

Paper is jammed at the option document finisher. Remove jammed paper referring to the *DF-710 Operation Guide or DF-730 Operation Guide*.

5 Specifications

NOTE: Specifications are subject to change without notice.

Item	Description	
	FS-9130DN	FS-9530DN
Printing method	Electrophotography, laser scan	
Printing speed	A4/Letter : 40 pages/minutes A3 : 23 pages/minutes B4 : 27 pages/minutes	A4/Letter : 51 pages/minutes A3 : 26 pages/minutes B4 : 31 pages/minutes
Duplex speed	A3 : 16 pages/minutes A4 : 33 pages/minutes Letter : 33 pages/minutes	A3 : 17 pages/minutes A4 : 37 pages/minutes Letter : 37 pages/minutes
Resolution	Fast 1200 mode 600 dpi with KIR (Kyocera Image Refinement) 300 dpi with KIR (Kyocera Image Refinement)	
First print (A4 or Letter size, depending on input data. From start of feed to end of output.)	Approx. 3.5 seconds or less (During printing) Approx. 60 seconds (During sleep mode)	Approx. 3.5 seconds or less (During printing) Approx. 60 seconds (During sleep mode)
Warm-up time (23°C, 120 or 230 V) -Power on -Low power -Sleep	 60 seconds or less 30 seconds or less 60 seconds or less	 60 seconds or less 30 seconds or less 60 seconds or less
Controller	PowerPC 750 FL (600 MHz)	PowerPC 750 FL (600 MHz)
Main memory	64 MB, expandable up to 576 MB	128 MB, expandable up to 640 MB
Operating Systems	Microsoft Windows 95/98/Me/2000/XP/Vista Microsoft Windows NT4.0 Microsoft Windows Server 2003 Apple Macintosh OS 9 Apple Macintosh OS X	
Interface -Standard -Option	 Parallel: IEEE1284 USB: Hi-Speed USB USB Host interface (USB 1.1) for USB Flash memory supports PDF Direct Printing Network: 10BASE-T/100BASE-TX Option: Network interface card (IB-23) or serial interface card (IB-11) and hard disk (KUIO-LV)	

Item	Description	
	FS-9130DN	FS-9530DN
Memory card slot	1: Memory card (CF)	
Self test	Performed at power-up	
Maximum duty cycle	200,000 pages/month	300,000 pages/month
Drum	Amorphous silicon drum	
Paper sizes -Cassette -MP Tray	 A3, A4, A5, B4, B5, Ledger, Letter, Legal, Folio, Oficio II, and Statement A3, A4, A5, A6, B4, B5, B6, Ledger, Letter, Legal, Envelope Monarch, Envelope DL, Envelope C4, Envelope C5, ISO B5, Executive, Envelope # 6, Envelope # 9,Envelope # 10, Hagaki, Oufuku Hagaki, Oficio II, 8 kai, 16 kai-R, Statement, Folio, Yokei 2, Yokei 4, and Custom	
Media types -Cassette -MP Tray	 Plain, Preprinted, Bond, Recycled, Rough, Letterhead, Color, Prepunched, Vellum, High quality, and Custom Plain, Transparency, Preprinted, Labels, Bond, Recycled, Vellum, Rough, Letterhead, Color, Prepunched, Envelope, Cardstock, Thick, High quality, and Custom	
Media weights -Cassette -MP Tray -Duplex mode	 60g/m^2 to 105g/m^2 45g/m^2 to 200g/m^2 60g/m^2 to 80g/m^2	
Capacity of output tray	500 sheets of thickness 0.11 mm	
Ambient conditions	Temperature : 10 to 32.5 °C (50 to 90.5 °F) Humidity : 15 to 80 % RH Optimum conditions : 23 °C (73.4 °F), 60 % RH Altitude : Max. 2,500 m (6500 feet) Illumination : Max. 1,500 lux	
Power requirements	120 V, 60 Hz, max. 11.4 A (U.S.A./ Canada) 220-240 V, 50 Hz/60 Hz, max. 6.1 A (European countries) Max. allowable voltage fluctuation: ±10 % Max. allowable frequency fluctuation: ±2 %	120 V, 60 Hz, max. 11.4 A (U.S.A./ Canada) 220-240 V, 50 Hz/60 Hz, max. 6.1 A (European countries) Max. allowable voltage fluctuation: ±10 % Max. allowable frequency fluctuation: ±2 %

Item	Description	
	FS-9130DN	FS-9530DN
Power consumption	Maximum: 900 W (U.S.A./ Canada), 800 W (European countries) During printing: 780 W or less (U.S.A./Canada), 710 W or less (European countries) During standby: 130 W or less (U.S.A./Canada), 160 W or less (European countries) During low power mode: 25 W or less (U.S.A./Canada), 45 W or less (European countries) During sleep mode: 4.5 W or less Power off: 0 W	Maximum: 1000 W During printing: 900 W or less During standby: 180 W or less During low power mode: 25 W or less (U.S.A./Canada), 45 W or less (European countries) During sleep mode: 4.5 W or less Power off: 0 W
Operating noise (in accordance with EN ISO 7779 [Bystander Position, sound pressure level at the front, and simplex printing])	During printing: LpA=70 dB(A) During standby: LpA=51 dB(A) During sleep mode: Immeasurably low	During printing: LpA=70 dB(A) During standby: LpA=51 dB(A) During sleep mode: Immeasurably low
Dimensions (W) × (D) × (H)	599 × 646 × 615 mm (23-5/8 × 25-1/8 × 24-1/2")	
Weight	68 kg (150 lb), main unit only	


QUALITY
CERTIFICATE
This machine has passed
all quality controls and
final inspection.

A1

KYOCERA MITA AMERICA, INC.

Headquarters:
225 Sand Road,
Fairfield, New Jersey 07004-0008
TEL : (973) 808-8444
FAX : (973) 882-6000

New York Branch:
1410 Broadway 23rd floor
New York, NY 10018
TEL : (917) 286-5400
FAX : (917) 286-5402

Northeastern Region:
225 Sand Road,
Fairfield, New Jersey 07004-0008
TEL : (973) 808-8444
FAX : (973) 882-4401

Midwestern Region:
201 Hansen Court Suite 119
Wood Dale, Illinois 60191
TEL : (630) 238-9982
FAX : (630) 238-9487

Western Region:
14101 Alton Parkway,
Irvine, California 92618-7006
TEL : (949) 457-9000
FAX : (949) 457-9119

Southeastern Region:
1500 Oakbrook Drive,
Norcross, Georgia 30093
TEL : (770) 729-9786
FAX : (770) 729-9873

Southwestern Region:
2825 West Story Road,
Irving, Texas 75038-5299
TEL : (972) 550-8987
FAX : (972) 252-9786

National Operation Center
& National Training Center:
2825 West Story Road,
Irving, Texas 75038-5299
TEL : (972) 659-0055
FAX : (972) 570-5816

Latin America Division:
8240 N.W. 52nd. Terrace Dawson Building,
Suite 108 Miami, Florida 33166
TEL : (305) 421-6640
FAX : (305) 421-6666

KYOCERA MITA CANADA, LTD.

6120 Kestrel Road, Mississauga,
Ontario L5T 1S8, Canada
TEL : (905) 670-4425
FAX : (905) 670-8116

KYOCERA MITA MEXICO, S.A. DE C.V.

Av. 16 de Septiembre #407
Col. Santa Inés,
Azcapotzalco México,
D.F. 02130, México
TEL : (55) 5383-2741
FAX : (55) 5383-7804

KYOCERA MITA EUROPE B.V.

Hoeksteen 40, 2132 MS Hoofddorp,
The Netherlands
Phone: +31.20.654.0000
Home page: http://www.kyoceramita-europe.com
Email: info@kyoceramita-europe.com

KYOCERA MITA NEDERLAND B.V.
Beechavenue 25, 1119RA Schiphol-Rijk
The Netherlands
Phone: +31.20.58.77.200

KYOCERA MITA (UK) LTD
8 Beacontree Plaza
Gillette Way Reading Berks RG2 0BS,
U.K.
Phone: +44.1189.311.500

KYOCERA MITA ITALIA S.p.A.
Via G. Verdi, 89 / 91, 20063 Cernusco s/N
Milano, Italy
Phone: +39.02.92179.1

S.A. KYOCERA MITA BELGIUM N.V.
Sint-Martinusweg 199-201, 1930 Zaventem,
Belgium
Phone: +32.2.720.9270

KYOCERA MITA FRANCE S.A.
Parc Les Algorithmes Saint Aubin
91194 GIF-SUR-YVETTE,
France
Phone: +33.1.6985.2600

KYOCERA MITA ESPAÑA S.A.
Edificio Kyocera, Avda de Manacor No. 2,
28290 Las Matas (Madrid),
Spain
Phone: +34.91.631.8392

KYOCERA MITA FINLAND OY
Kirvesmiehenkatu 4, 00880 Helsinki,
Finland
Phone: +358.9.4780.5200

KYOCERA MITA (SCHWEIZ)
Hohlstrasse 614, 8048 Zürich
Switzerland
Phone: +41.1.908.4949

KYOCERA MITA DEUTSCHLAND GMBH
Otto-Hahn-Str. 12 D-40670 Meerbusch,
Germany
Phone: +49.2159.918.0

KYOCERA MITA GMBH AUSTRIA
Eduard-Kittenberger-Gasse 95,
1230 Wien,
Austria
Phone: +43.1.86338.210

KYOCERA MITA SVENSKA AB
Esbogatan 16B 164 75 Kista,
Sweden
Phone: +46.8.546.55000

KYOCERA MITA NORGE
Postboks 150 Oppsal, NO 0619 Oslo
Olaf Helsetsvei 6, NO 0694 Oslo,
Norway
Phone: +47.22.62.73.00

KYOCERA MITA DANMARK A/S
Ejby Industrivej 1, DK-2600 Glostrup,
Denmark
Phone: +45.5687.1100

KYOCERA MITA PORTUGAL LDA.
Rua do Centro Cultural, 41 (Alvalade) 1700-106 Lisbon,
Portugal
Phone: +351.21.842.9100

KYOCERA MITA SOUTH AFRICA (PTY) LTD.
527 Kyalami Boulevard,
Kyalami Business Park Midrand,
South Africa
Phone: +27.(0)11.540.2600

KYOCERA MITA AMERICA, INC.

Headquarters:
225 Sand Road,
Fairfield, New Jersey 07004-0008,
U.S.A.
Phone: (973) 808-8444

KYOCERA MITA AUSTRALIA PTY. LTD.
Level 3, 6-10 Talavera Road, North Ryde,
N.S.W. 2113 Australia
Phone: (02) 9888-9999

KYOCERA MITA NEW ZEALAND LTD.
1-3 Parkhead Place, Albany
P.O. Box 302 125 NHPC, Auckland,
New Zealand
Phone: (09) 415-4517

KYOCERA MITA (THAILAND) CORP., LTD.
9/209 Ratchada-Prachachem Road,
Bang Sue, Bangkok 10800, Thailand
Phone: (02) 586-0320

KYOCERA MITA SINGAPORE PTE LTD.
121 Genting Lane, 3rd Level,
Singapore 349572
Phone: 67418733

KYOCERA MITA HONG KONG LIMITED
11/F., Mita Centre,
552-566, Castle Peak Road,
Tsuen Wan, New Territories,
Hong Kong
Phone: 24297422

KYOCERA MITA TAIWAN Corporation.
7F-1~2, No.41, Lane 221, Gangchi Rd.
Neihu District, Taipei, Taiwan, 114. R.O.C.
Phone: (02) 87511560

KYOCERA MITA Corporation

2-28, 1-chome, Tamatsukuri, Chuo-ku
Osaka 540-8585, Japan
Phone: (06) 6764-3555
http://www.kyoceramita.com

©2007 KYOCERA MITA Corporation
KYOCERA is a trademark of Kyocera Corporation