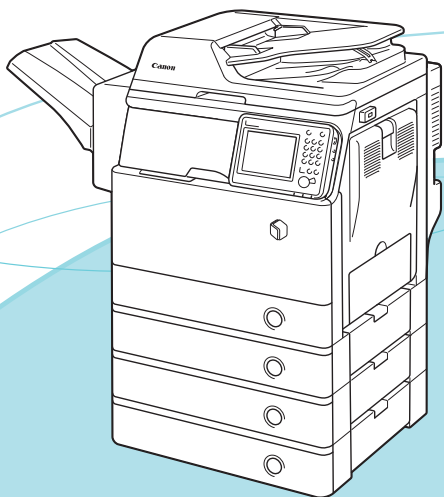


Canon

imageRUNNER ADVANCE

400iF / 500iF

Starter Guide



Chapter 1
Installation of the Machine

Chapter 2
Setting and Registering the Machine

Chapter 3
Before Using This Machine

Chapter 4
Routine Maintenance

Chapter 5
Specifications

Appendix

This guide explains the procedures from unpacking the machine through power cord connection.

Be sure to read the manual before using the machine. The remarks for important safety instructions are described in "User's Guide." Read the manual also. Keep the manual for future reference.

ENG

Manuals for the Machine

The manuals for this machine are divided as follows. Please refer to them for detailed information.



Guides with this symbol are printed manuals.



Guides with this symbol are included on the accompanying CD-ROM.



Starter Guide (This Manual)

- Describes how to install the machine.
- Describes the initial settings configured by the [Setup Guide].
- Describes the maintenance and troubleshooting procedures for the machine.



Quick Operation Guide

- Describes useful functions and the basic operations of each function.



e-Manual (HTML manual)

- Describes all the functions of the machine. Also provided with a search function that is useful for finding and checking information.
- Includes "Practical Workflows," which introduces flows of practical operations using functions of the machine.



Driver Installation Guide

- Provides instructions on installing the printer, fax, and other drivers.
 - Printer Driver Installation Guide
 - Mac Printer Driver Installation Guide
 - Fax Driver Installation Guide
 - Network ScanGear Installation Guide
- Included on the same CD-ROM as each driver.

To view the manual in PDF format, Adobe Reader/Acrobat Reader/Acrobat is required. If Adobe Reader/Acrobat Reader/Acrobat is not installed on your system, please download it from the Adobe Systems Incorporated website (<http://www.adobe.com>).

How to Use This Manual (e-Manual)

How to Install the e-Manual

This section describes how to install the e-Manual.

● Windows

1. Insert the e-Manual CD-ROM in your computer.
2. Select the language for the e-Manual.
3. Select [Install].
If you select [Display Manuals], the e-Manual is displayed without installation.
4. Read the License Agreement, and then click [Yes].
The e-Manual is saved in the [Documents]* folder on your computer. If the shortcut icon created on the Desktop or if the [index.html] file is double-clicked, the e-Manual is displayed.

*The folder name differs depending on the OS you are using. For Windows Vista/7, the folder name is [Documents]. For Windows XP, the folder name is [My Documents].

If the e-Manual (CD-ROM) Does Not Start

The CD-ROM auto run function may be disabled. In this case, you must perform the following procedure.

● Windows 7

1. Click [Start] on the task bar → click [Computer].
2. Double-click the e-Manual icon.
3. Double-click [Maninst.exe].

● Macintosh

1. Insert the e-Manual CD-ROM into your computer.
 2. Drag-and-drop the [iRADV_500iF_Manual] folder to the location you want to save the e-Manual.
 3. Double-click the [index.html] file inside the [iRADV_500iF_Manual] folder to display the e-Manual.
- Depending on the operating system you are using, a security protection message may appear. In this case, allow the content to be displayed.

● Windows XP/Vista

1. Click [Start] on the taskbar → click [My Computer].
2. Double-click the e-Manual icon.
3. Double-click [Maninst.exe].

Top Page of the e-Manual



1 Select from functions

The instructions for each function and operation method are described.

2 [Top], [Site map], [Help]

Click to refer to the contents, glossary, and how to use the e-Manual.

3 [Glossary]

The glossary is displayed.

4 First of all...

This section contains required information needed to use the machine, and information on optional products and software.

5 Select from purpose

This section includes an introduction for each function of the machine and their purpose.

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Preface

Thank you for purchasing the Canon imageRUNNER ADVANCE 500iF/400iF. Please read this manual thoroughly before operating the machine to familiarize yourself with its capabilities, and to make the most of its many functions. For information on the detailed settings for the functions described in this manual, see the e-Manual. After reading this manual, store it in a safe place for future reference.

How To Use This Manual

Symbols Used in This Manual

The following symbols are used in this manual to explain procedures, restrictions, handling precautions, and instructions that should be observed for safety.



WARNING

Indicates a warning concerning operations that may lead to death or injury to persons if not performed correctly. To use the machine safely, always pay attention to these warnings.



CAUTION

Indicates a caution concerning operations that may lead to injury to persons if not performed correctly. To use the machine safely, always pay attention to these cautions.



IMPORTANT

Indicates operational requirements and restrictions. Be sure to read these items carefully to operate the machine correctly, and avoid damage to the machine or property.



NOTE

Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.



Indicates an operation that must not be performed. Read these items carefully, and make sure not to perform the described operations.

Keys and Buttons Used in This Manual

The following symbols and key/button names are a few examples of how keys and buttons to be clicked or pressed are expressed in this manual:


- Touch Panel Display Keys: [Key Name]

Example: [Cancel]

[Close]

- Control Panel Keys: Key Icon (Key Name)

Example:  (Start)

 (Stop)

- Buttons on Computer Operation Screens: [Button Name]

Example: [OK]


[Add]

Displays Used in This Manual

Screen shots of the touch panel display used in this manual are those taken when the imageRUNNER ADVANCE 500iF has the following optional equipment attached to it:

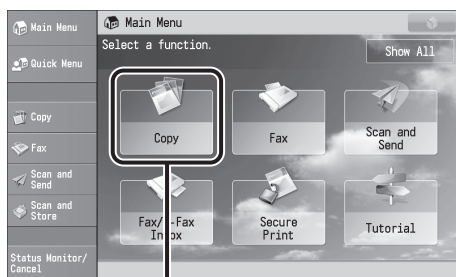
- Staple Finisher-R1
- Cassette Module-AA1
- Web Access Software

Note that functions that cannot be used depending on the model or options do not appear on the touch panel display.

The keys which you should press are marked with a , as shown below. When multiple keys can be pressed on the touch panel display, all keys are marked. Select the keys, which suit your needs.

Screen shots used in this manual may differ from the ones you actually see.

01 Press [Copy].

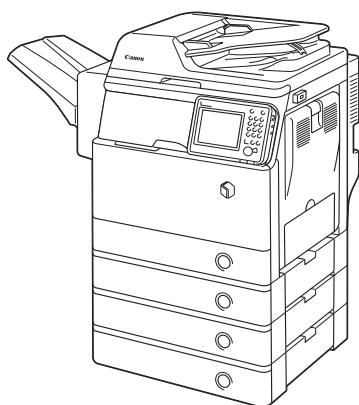


Press this key for operation.

Illustrations Used in This Manual

Illustrations used in this manual are those displayed when the imageRUNNER ADVANCE 500iF has the following optional equipment attached to it:

- Staple Finisher-R1
- Cassette Module-AA1



Abbreviations Used in This Manual

In this manual, product names and model names are abbreviated as follows:

- Microsoft Windows Server 2003 operating system: Windows Server 2003
- Microsoft Windows Server 2003 R2 operating system: Windows Server 2003 R2
- Microsoft Windows XP operating system: Windows XP
- Microsoft Windows Vista operating system: Windows Vista
- Microsoft Windows Server 2008 operating system: Windows Server 2008
- Microsoft Windows Server 2008 R2 operating system: Windows Server 2008 R2

- Microsoft Windows 7 operating system: Windows 7
- Microsoft Windows 8 operating system: Windows 8
- Microsoft Windows operating system: Windows
- Microsoft Internet Explorer: Internet Explorer
- Microsoft Windows Internet Explorer: Internet Explorer
- Novell NetWare: NetWare
- Apple Macintosh: Macintosh
- Apple Mac: Mac

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Protected by U.S. Patents 5,737,599; 5,781,785; 5,819,301; 5,929,866; 5,943,063; 6,073,148; 6,515,763; 6,639,593; 6,754,382; 7,046,403; 7,213,269; 7,242,415; Patents pending in the U.S. and other countries.

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Protected by U.S. Patents 6,185,684; 6,205,549; 7,213,269; 7,272,628; 7,278,168; Patents pending in the U.S. and other countries.

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Installation Location and Handling

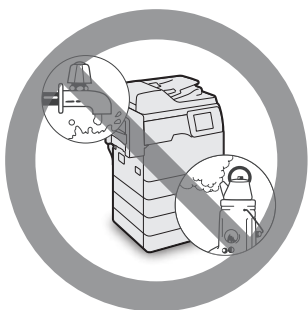
This section describes precautions for installation location and handling. We recommend that you read this section prior to using this machine.

Installation Precautions

Avoid Installing the Machine in the Following Locations

- **Avoid locations subject to temperature and humidity extremes, whether low or high.**

For example, avoid installing the machine near water faucets, hot water heaters, humidifiers, air conditioners, heaters, or stoves.



- **Avoid installing the machine in direct sunlight.**
If this is unavoidable, use curtains to shade the machine. Be sure that the curtains do not block the machine's ventilation slots or louvers, or interfere with the electrical cord or power supply.



- **Avoid poorly ventilated locations.**

This machine generates a slight amount of ozone etc. during normal use. Although sensitivity to ozone etc. may vary, this amount is not harmful. Ozone etc. may be more noticeable during extended use or long production runs, especially in poorly ventilated rooms. It is recommended that the room be appropriately ventilated, sufficient to maintain a comfortable working environment, in areas of machine operation.



- **Avoid locations where a considerable amount of dust accumulates.**
- **Avoid locations where ammonia gas is emitted.**



- **Avoid locations near volatile or flammable materials, such as alcohol or paint thinner.**

- **Avoid locations that are subject to vibration.**
For example, avoid installing the machine on unstable floors or stands.



- **Avoid exposing the machine to rapid changes in temperature.**
If the room in which the machine is installed is cold but rapidly heated, water droplets (condensation) may form inside the machine. This may result in a noticeable degradation in the quality of the copied image, the inability to properly scan an original, or the copies having no printed image at all.



- **Avoid installing the machine near computers or other precision electronic equipment.**
Electrical interference and vibrations generated by the machine during printing can adversely affect the operation of such equipment.
- **Avoid installing the machine near televisions, radios, or similar electronic equipment.**
The machine might interfere with sound and picture signal reception.
Insert the power plug into a dedicated power outlet, and maintain as much space as possible between the machine and other electronic equipment.
- **Contact an authorized Canon dealer if communication is unavailable.**
Depending on your locale or your telephone connection, you may be unable to perform data communication. In this case, contact your local authorized Canon dealer.

- **Do not remove the machine's leveling feet.**
Do not remove the machine's leveling feet after the machine has been installed.
If you put weight on the front of the machine while the drawers or units within the machine are pulled out, the machine may fall forward. To prevent this from happening, make sure that the machine's leveling feet are in place.

Select a Safe Power Supply

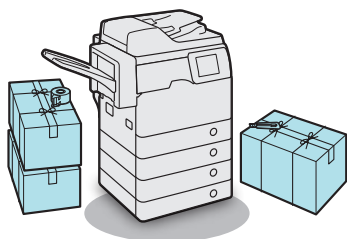
- **Plug the machine into a 120 V AC outlet.**
- **Make sure that the power supply for the machine is safe, and has a steady voltage.**
- **Do not connect other electrical equipment to the same power outlet to which the machine is connected.**
- **Do not connect the power cord to a multiplug power strip, as this may cause a fire or electrical shock.**
- **The power cord may become damaged if it is stepped on, affixed with staples, or if heavy objects are placed on it. Continued use of a damaged power cord can lead to an accident, such as a fire or electrical shock.**



- **The power cord should not be taut, as this may lead to a loose connection and cause overheating, which could result in a fire.**
- **If excessive stress is applied to the connection part of the power cord, it may damage the power cord or the wires inside the machine may disconnect. This could result in a fire. Avoid the following situations:**
 - Connecting and disconnecting the power cord frequently.
 - Tripping over the power cord.
 - The power cord is bent near the connection part, and continuous stress is being applied to the power outlet or the connection part.
 - Applying excessive force on the power plug.

Moving the Machine

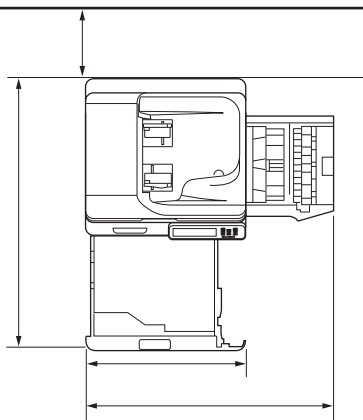
- If you intend to move the machine, even to a location on the same floor of your building, contact your local authorized Canon dealer beforehand. Do not attempt to move the machine yourself.



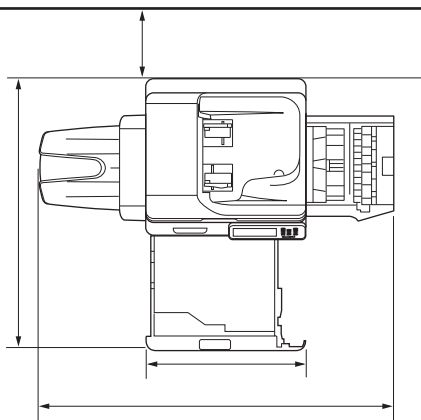
Provide Adequate Installation Space

Provide enough space on each side of the machine for unrestricted operation.

- When no optional products are attached:



- When the Staple Finisher-R1 is attached:



Handling Precautions

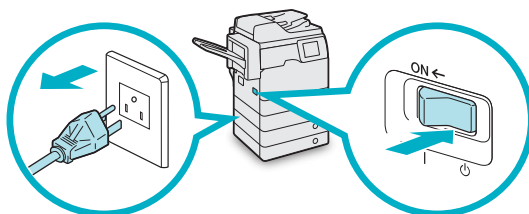
- Do not attempt to disassemble or modify the machine.



- Some parts inside the machine are subject to high-voltages and temperatures. Take adequate precautions when inspecting the inside of the machine. Do not carry out any inspections that are not described in the manuals for this machine.
- Be careful not to spill liquid or drop any foreign objects, such as paper clips or staples inside the machine. If a foreign object comes into contact with electrical parts inside the machine, it might cause a short circuit and result in a fire or electrical shock.




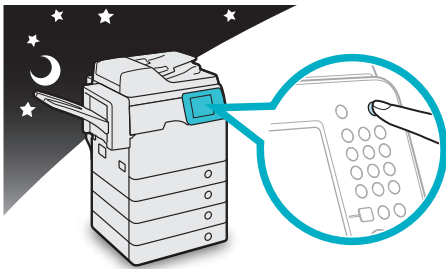
- If there is smoke, or unusual noise, immediately turn the main power switch OFF, disconnect the power cord from the power outlet, and then call your local authorized Canon dealer. Using the machine in this state may cause a fire or electrical shock. Also, avoid placing objects around the power plug so that the machine can be disconnected whenever necessary.



- Do not turn the main power switch OFF or open the front covers while the machine is in operation. This may result in paper jams.
- Do not use flammable sprays, such as spray glue, near the machine. There is a danger of ignition.



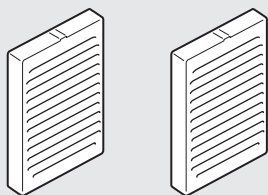
- This machine generates a slight amount of ozone etc. during normal use. Although sensitivity to ozone etc. may vary, this amount is not harmful. Ozone etc. may be more noticeable during extended use or long production runs, especially in poorly ventilated rooms. It is recommended that the room be appropriately ventilated, sufficient to maintain a comfortable working environment, in areas of machine operation.
- For safety reasons, Press  (Energy Saver) when it will not be used for a long period of time, such as overnight. As an added safety measure, turn OFF the main power switch, and disconnect the power cord when the machine will not be used for an extended period of time, such as during consecutive holidays.



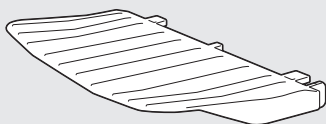
- Use a modular cable that is shorter than 9' 10" (3 meters).
- Use a USB cable that is shorter than 9' 10" (3 meters).

Items Included with the Machine

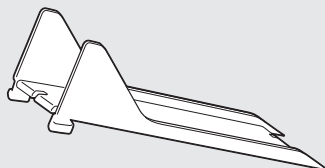
In the next section "Unpacking the Machine," check each item against this list as you remove each item from the accessories box (except for the drum unit).



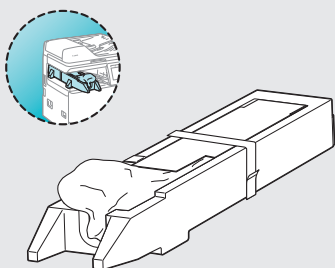
Filters



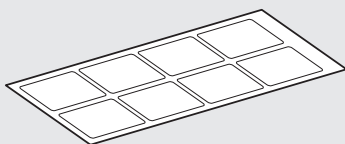
Duplex Tray



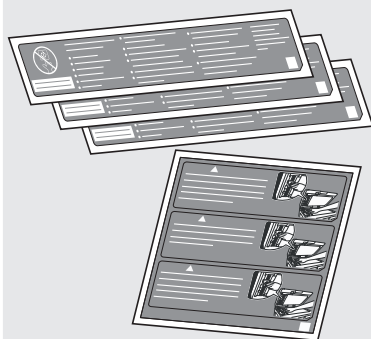
Tray Rib



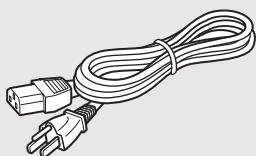
Drum Unit



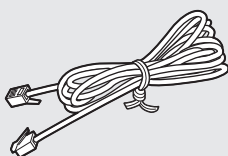
Paper Size Labels



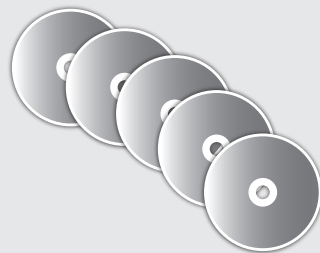
Precaution Labels



Power Cord



Telephone Line



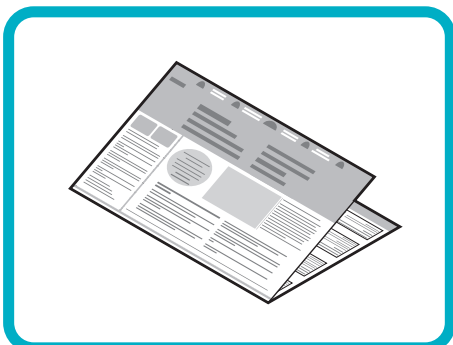
CD-ROM × 5



Paper Manual × 3

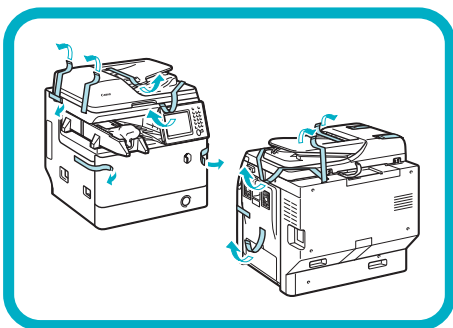
Carrying the Machine to the Installation Site and Removing the Packing Materials

01



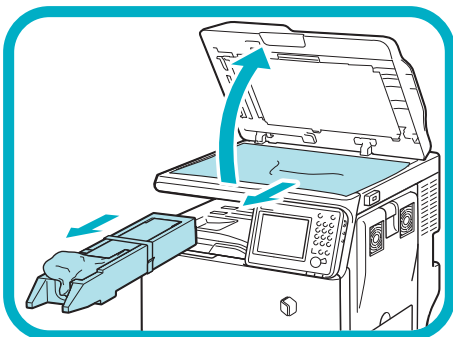
See the included "READ THIS SHEET FIRST!" before carrying the machine to the installation site.

02



Remove all shipping tape from the flap side edges.

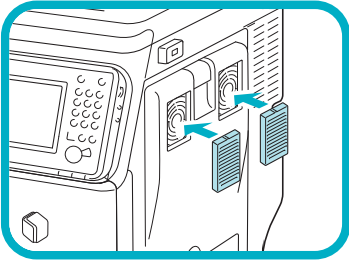
03



Open the feeder, remove the protective sheet, and take out the drum unit.

Installing the Filters

01

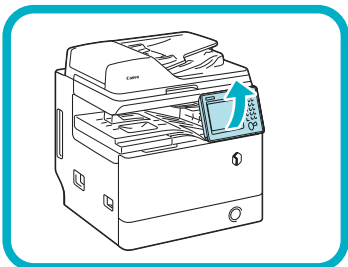


Install the filters on the right side of the machine.

Attaching the Duplex Tray and the Tray Rib

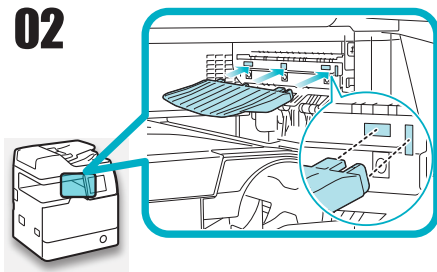
If you are attaching the optional Staple Finisher-R1 to the machine, the following steps are not necessary. Go to the next section, "Installing the Drum Unit."

01

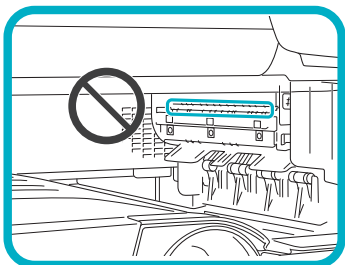


Lift the control panel.

02



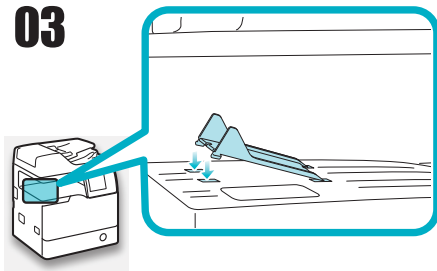
Attach the duplex tray by inserting its tabs into the slots on the machine.



IMPORTANT

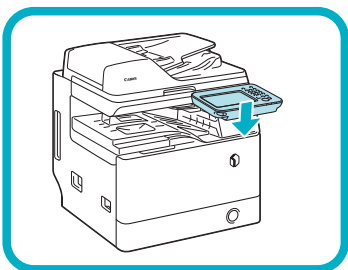
Be careful not to accidentally insert the tabs into the slot circled in the illustration.

03



Insert the front tabs of the tray rib into the slots first and then press down on its left end so that the rear tabs snap into the slots.

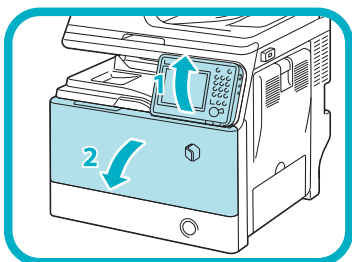
04



Lower the control panel back in place.

Installing the Drum Unit

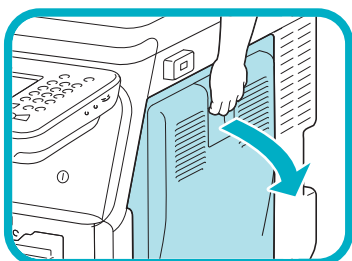
01



Open the front cover.

1. Lift the control panel.
2. Open the front cover.

02



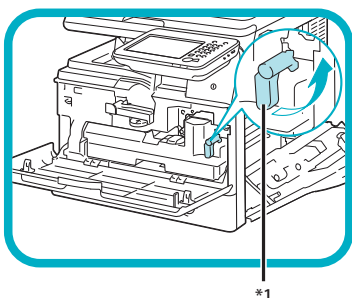
Open the right cover.



IMPORTANT

Always open the right cover during installation to prevent damage to the drum unit.

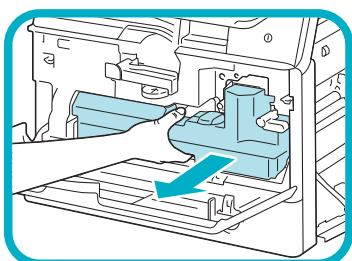
03



Turn the **toner container lock lever** counterclockwise 90 degrees.

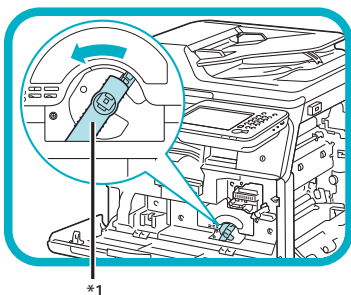
*1: Toner Container Lock Lever

04



Remove the waste toner container.

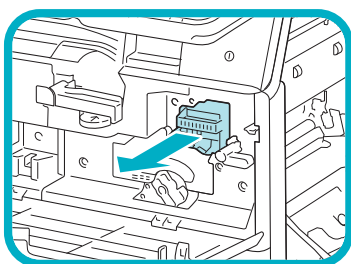
05



*1: Drum Unit Lock Lever

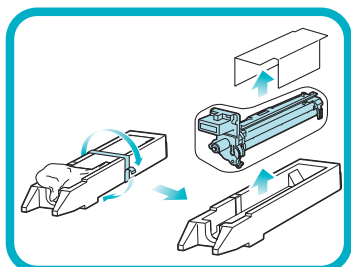
Turn the **drum unit lock lever** counterclockwise as far as it will go.

06

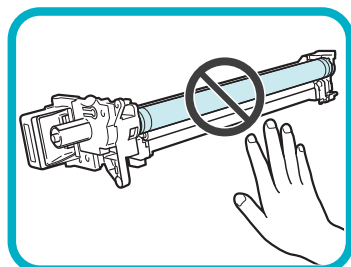


Remove the cover attached to the drum insertion slot.
The removed cover is not used later on.

07

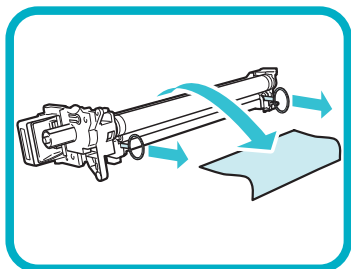


Remove the drum unit from its protective bag.

**IMPORTANT**

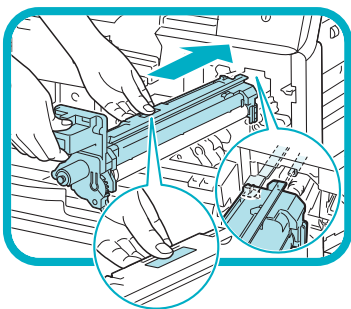
- Do not touch or expose the cylindrical, blue-green part to light for a long time, as the print quality may deteriorate.
- Do not expose the drum unit to direct sunlight or strong light.
- Condensation (water droplets on the inside or outside) may form on the drum unit when it is brought into an environment with a sudden change in temperature or humidity.
- When moving a new drum unit to a location with change in temperature, leave the drum unit in the protective bag at the new location for two or more hours to allow it to adjust to the new temperature.

08



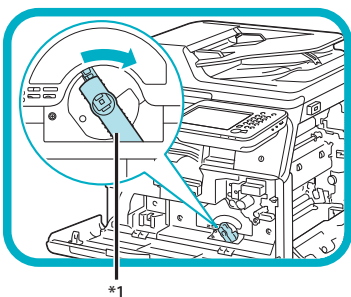
Pull the two orange rings out and remove the protective cover.

09



Holding the tab and the part with the blue marking, slowly insert the drum unit until it stops.
Make sure that the drum unit slides properly along the rails on the machine.

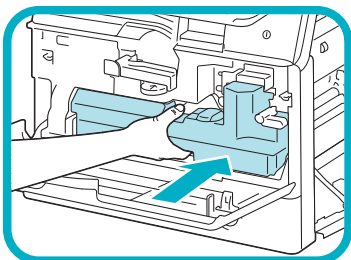
10



Turn the **drum unit lock lever** clockwise to its original position.

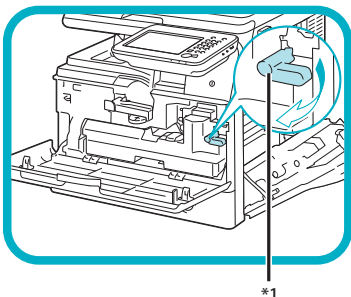
*1: Drum Unit Lock Lever

11



Reinsert the removed waste toner container.

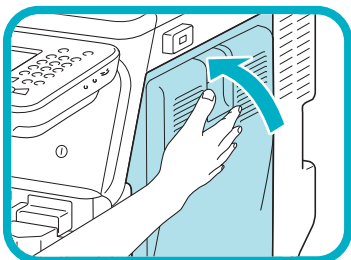
12



Turn the **toner container lock lever** clockwise to its original position.

*1: Toner Container Lock Lever

13



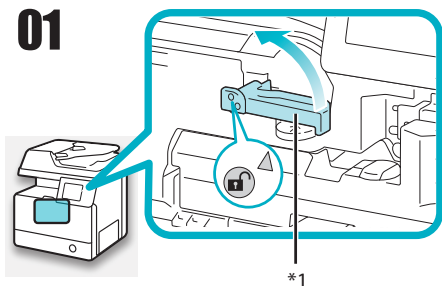
Close the right cover.

CAUTION

Be careful not to get your fingers caught, as this may result in personal injury.

Installing the Toner Cartridge

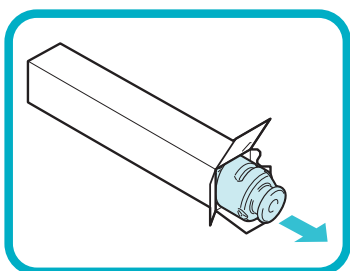
01



*1: Toner Cartridge Lock Lever

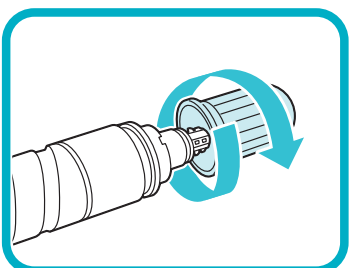
Turn the **toner cartridge lock lever** counterclockwise so that the arrow marks on the lever and its axis face each other.

02

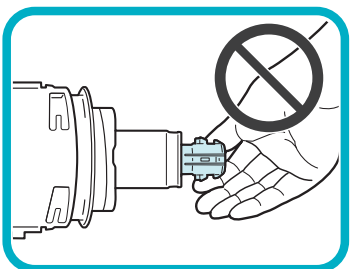


Remove the toner cartridge from its protective bag.

03



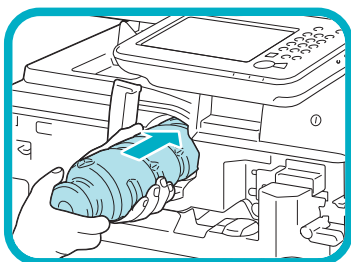
Remove the protective cap.



IMPORTANT

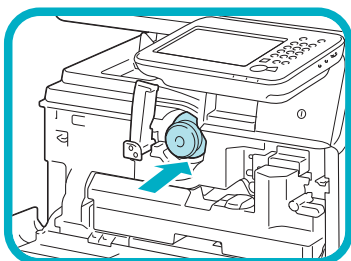
Do not touch the tip of the toner cartridge or subject it to shock by hitting it. Doing so may cause the toner cartridge to leak.

04

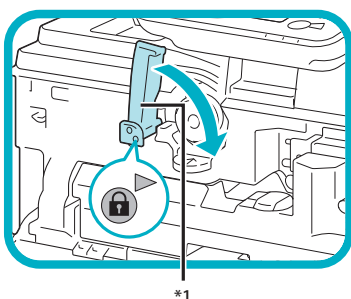


Insert the toner cartridge into the machine as far as it will go.

Support the new toner cartridge with your hand from underneath while pushing it into the machine with your other hand.



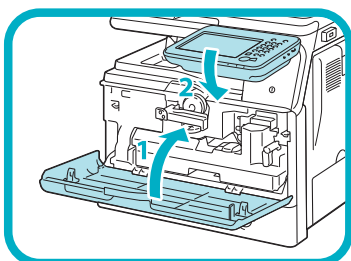
05



Turn the **toner cartridge lock lever** clockwise so that the arrow marks on the lever and its axis face each other.

*1: Toner Cartridge Lock Lever

06



Close the front cover.

1. Close the front cover of the main unit.
2. Lower the control panel back in place.



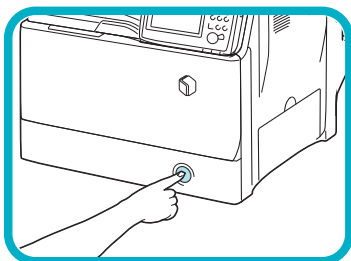
CAUTION

Be careful not to get your fingers caught, as this may result in personal injury.

Loading Paper into the Paper Drawer

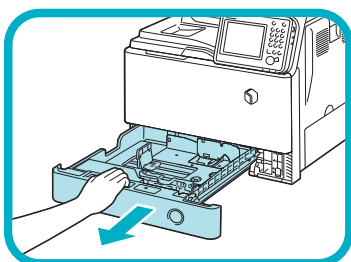
This section describes how to load plain paper in the paper drawer. If you load paper other than plain paper such as recycled paper, specify the type of paper loaded in the paper drawer. (See e-Manual > Settings/Registration.)

01



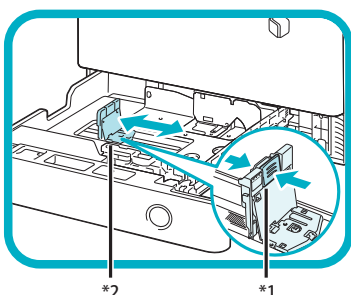
Press the open button on the paper drawer.

02



Grip the handle, and pull out the paper drawer until it stops.

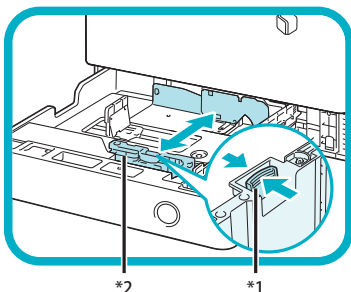
03



Squeeze the **lever** on the **side guide**. Without releasing the **lever**, slide the **side guide** leftward or rightward to align it with the mark for the desired paper size.

*1: Lever
*2: Side Guide

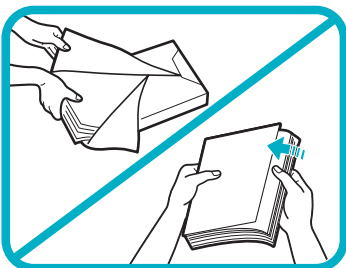
04



Squeeze the **lever** on the **front guide**. Without releasing the **lever**, slide the **front guide** backward or forward to align it with the mark for the desired paper size.

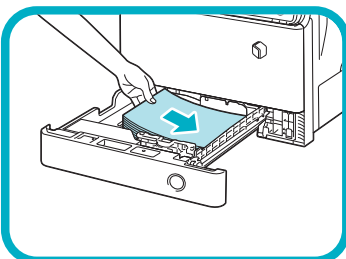
*1: Lever
*2: Front Guide

05



Before loading paper, always fan the sheets several times, and align the edges to facilitate feeding.

06



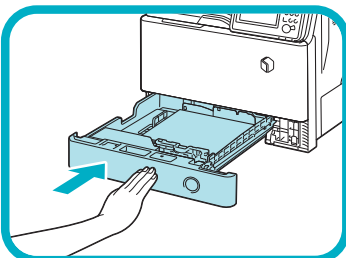
Load the paper stack into the paper drawer.



CAUTION

When handling paper, take care not to cut your hands on the edges of the paper.

07



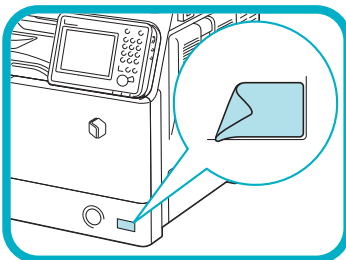
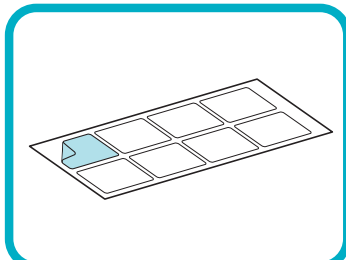
Gently push the paper drawer back into the machine until it clicks into place in the closed position.



CAUTION

When returning the paper drawer to its original position, be careful not to get your fingers caught, as this may result in personal injury.

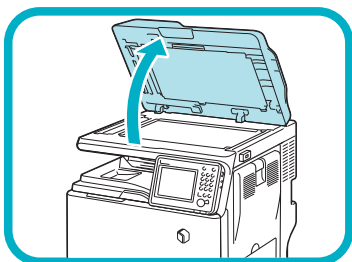
08



Peel off the paper drawer label and affix the label to the part of the paper drawer indicated in the illustration.

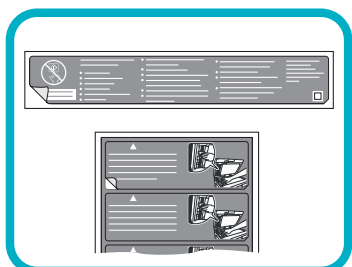
Attaching the Precaution Label

01

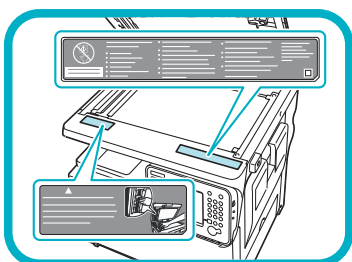


Open the feeder.

02

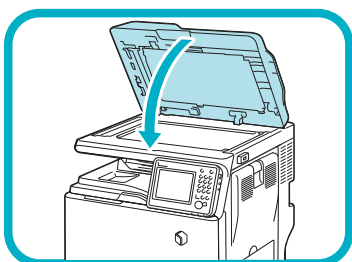


Select the desired language label among the supplied precaution labels, peel off the label, then affix the label to the part indicated in the illustration.



On this part, the English label is already affixed. Affix your selected label over the existing label. If the desired language is English, you do not need to affix a new label.

03



Gently close the feeder.

CAUTION

Close the feeder gently to avoid catching your hands, as this may result in personal injury.

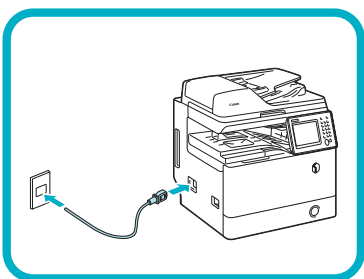
Connecting the Power Cord



For Users with the Optional Finisher:

See the installation manual supplied with the optional finisher to attach the finisher to the machine, then connect the power cord.

01



Connect the power cord to the socket on the left side of the machine and to the wall outlet.

Setting and Registering the Machine

2

Main Power and Energy Saver Key.....	26
How to Turn ON the Main Power.....	26
Energy Saver Key	27
Shutting Down the Machine	27
Using the Setup Guide to Configure the Machine.....	28
Changing Specified Settings	32

Main Power and Energy Saver Key

The machine is provided with, a main power switch and the Energy Saver key.

How to Turn ON the Main Power

This section explains how to turn ON the main power.

IMPORTANT

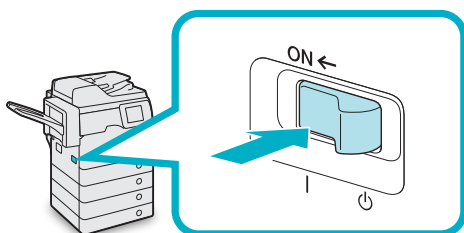
If you want to turn OFF the main power and then back ON again, wait for at least 10 seconds after the main power indicator is turned OFF before turning ON the main power.

- 01 Make sure that the power plug is firmly inserted into the power outlet.

WARNING

Do not connect or disconnect the power cord with wet hands, as this may result in electrical shock.

- 02 Press the main power switch (located on the left side of the machine) to the "I" side.



The Main Power indicator on the control panel lights when you turn ON the main power switch.

Various screens appear when system software is loading.

If you are using a login service, log in using the procedure for the login service you are using.


NOTE

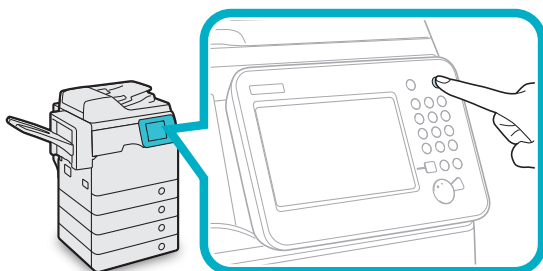
- You can change the default display that appears after the machine is turned ON from [Default Screen after Startup/Restoration] on the Settings/Registration screen. (See e-Manual > Settings/Registration.)
- If this machine is connected to a powered off Macintosh computer by USB cable, the computer may turn on automatically when this machine does. In this case, disconnect the USB cable from the machine. You may also be able to solve this problem by using a USB hub between the machine and the Macintosh.
- The response of the buttons and keys may not be optimal immediately after you turn ON the main power of the machine.
- If you set [Quick Startup Settings for Main Power] to 'On' in [Preferences] (Settings/Registration), the tone sounds when turning ON the main power of the machine. (Depending on the situations, the machine does not startup quickly and the tone does not sound.)
- If the machine takes longer to startup than usual, see e-Manual > Settings/Registration.
- If you are using Department ID Management with the Copy Card Reader-F1, see e-Manual > Optional Products/Software.
- If you are using Department ID Management, see e-Manual > Basic Operations.
- If you are using SSO-H, see e-Manual > Basic Operations.

Energy Saver Key

You can press  (Energy Saver) to make the machine enter the Sleep mode and reduce power consumption.

If the machine is idle for a certain period of time, the machine will enter the Auto Sleep mode to minimize energy consumption.

Press  (Energy Saver) to cancel the Sleep mode and resume normal machine operations.




NOTE

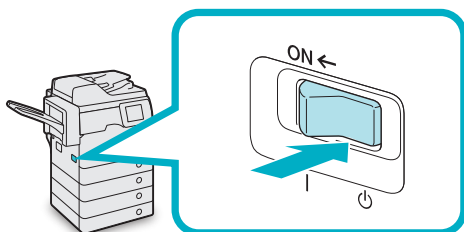
The machine can receive and print documents from a personal computer when it is in the Sleep mode. I-fax and fax documents can also be received while the machine is in the Sleep mode.

Shutting Down the Machine

This machine performs a procedure to protect the memory when the machine is shut down.

This enables the machine to be shut down safely, even if there are any jobs being processed, or a MEAP application is running while the machine is shutting down.

- 01** To safely turn OFF the machine's main power, press the main power switch (located on the left side of the machine) to the " " side.



IMPORTANT

- Do not turn the main power OFF while using the Fax/I-Fax function. Sending or receiving I-fax or fax documents cannot be done when the main power is turned OFF.
- The machine may take some time to completely shutdown. Do not unplug the power cord until the main power indicator of the machine is OFF.
- If the main power is turned OFF during scanning or printing, a paper jam may occur.



NOTE

- You can shut down the machine from the Remote UI using the Remote Shutdown mode. For more information, see e-Manual > Remote UI.
- If you set [Quick Startup Settings for Main Power] to 'On' in [Preferences] (Settings/Registration), the tone sounds when turning OFF the main power of the machine. (Depending on the situations, the machine does not startup quickly and the tone does not sound.)

Using the Setup Guide to Configure the Machine

When the power is turned ON for the first time after installing the machine, the Setup Guide screen is displayed.

It is recommended that you follow the instructions that appear on the touch panel display to configure the machine.

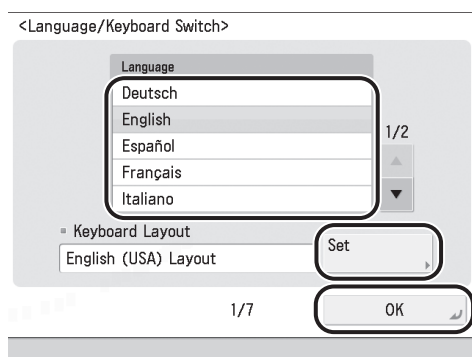
You must restart the machine after configuring the settings with the Setup Guide.

01 Starting the Setup Guide

The screen displayed after installing the machine and turning it ON for the first time is the Setup Guide screen.

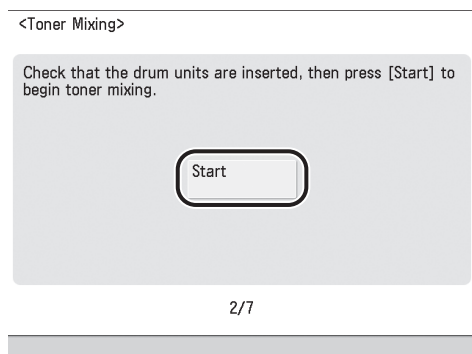
02 Configuring the Touch Panel Display's Language and Keyboard Layout

Set the language and keyboard layout → press [OK].



03 Mixing the Toner

Press [Start].



After the toner finishes mixing, press [OK].

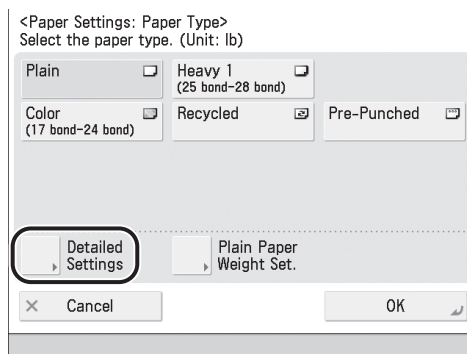
04 Registering the Paper That You Are Going to Load

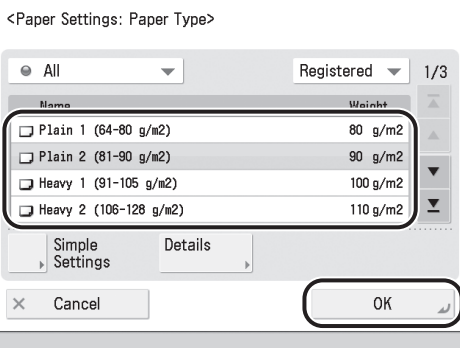
1. Select the paper source that you want to load the paper type for → press [Set].
 - You can select the desired envelope type by pressing [Envelope].
 - In addition, you can enter the paper size by pressing [Custom Size].
 - Instead of entering values, you can also select a button ([S1] to [S4]) containing a stored paper size setting.

2. Select the paper type → press [OK].

If you select [Plain], you can select the paper weight from [Plain Paper Weight Set.].

You can select the paper type from the simple or detailed setting screen. For paper types that are not displayed on the simple setting screen, press [Detailed Settings] → select the paper type from the detailed setting screen.



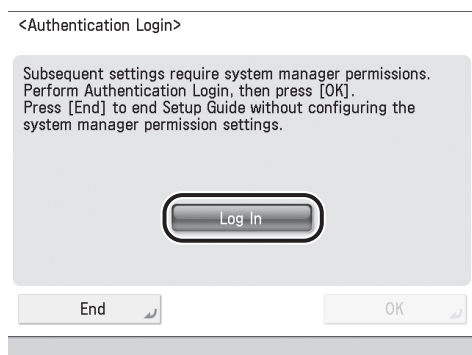


05 Logging In

In order to perform the following settings, it is necessary to log in as an administrator.

- Date/time (See step 6 "Setting the Date and Time.")
- Network (See step 7 "Network Settings.")
- Country/region (See step 8 "Setting Country/Region.")
- The machine's fax number (See step 9 "Registering Your Machine's Fax Number.")
- Unit name (See step 10 "Registering the Unit Name.")
- Line type (See step 11 "Setting the Line Type.")
- System manager information (See step 12 "Specifying the System Manager Settings.")

Press [Log In] → enter the authentication information → press [Log In] → [OK].



06 Setting the Date and Time

You can set the current date and time. The current date and time settings are used as standard timer settings for functions that require them.

- Time Zone:

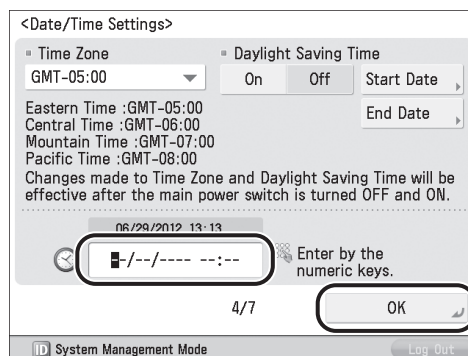
The standard time zones of the world are expressed globally in terms of the difference in hours (\pm up to 12 hours) from GMT (\pm 0 hours). A time zone is a region throughout which this time difference is the same.

- Daylight Saving Time:

In some countries, time is temporarily advanced throughout the summer season.

This practice is called "Daylight Saving Time."

Enter the current date and time using 0 - 9 (numeric keys) → press [OK].



Enter the day and the month using four digits (including zeros). The time is displayed in 24-hour notation.

Examples:

May 6 → 0506

7:05 a.m. → 0705

11:18 p.m. → 2318

NOTE

If you make a mistake when entering values, press (C) (Clear) → enter the values again, starting with the month.

● Setting the Time Zone:

1. Select the time zone from the <Time Zone> drop-down list.

● Using Daylight Saving Time:

1. Press [On] → [Start Date].
2. Select the month and day from the <Month> and <Day> drop-down lists.
3. Adjust the time using [-] or [+] → press [OK].
4. Press [End Date] → select the month, day, and time at which Daylight Saving Time ends → press [OK].

NOTE

If you set Daylight Saving Time, the machine automatically sets the standard time of the machine one hour forward at the specified date and time.

07 Network Settings

You can perform the following IPv4 settings in order to connect to and use a TCP/IP network with the machine.

1. Set [Use IPv4] to 'On' → set [Use IPv6] to 'Off' → press [Next].

<Use IP Address>

■ Use IPv4 ☒ On ☐ Off

■ Use IPv6 ☐ On ☒ Off

Link-Local Address Prefix Length

Could not obtain.

(If On, address will be acquired next time main power is ON.)

5/7

System Management Mode Log Out

2. Specify each setting → press [OK].

<IPv4: IP Address Settings>

Enter by the numeric keys.

☐ DHCP ☐ Auto IP

IP Address 192.168.92.128

Subnet Mask 255.255.255.0

Gateway Address 192.168.92.2

5/7

System Management Mode Log Out

If the Fax function is available, follow the steps in "Setting Country/Region."

If the Fax function is not available, follow the steps in "Specifying the System Manager Settings."

08 Setting Country/Region

Select the country/region where the machine is

located → press [Next].

<Country/Region>

Select Country/Region

United States (US)

Canada (CA)

Brazil (BR)

Mexico (MX)

Other

1/1

6/7

System Management Mode Log Out

09 Registering Your Machine's Fax Number

You can register the fax number your machine uses when sending faxes. This number is printed on the document that you fax to the receiving party.

Enter the fax number using ① – ⑨ (numeric keys) → press [Next].

<Register Unit Telephone Number>

Enter by numeric keys. (Max 20 digits.)

0123000000

Space +

6/7

System Management Mode Log Out

10 Registering the Unit Name

You can register the unit name for fax documents.

Your name or company name must be registered as the unit name (a department name is optional).

The unit's name appears on the receiving party's fax machine, or is printed on the received document as the Sender Name.

Press [Set] → enter the unit name → press [Next].

11

Setting the Line Type

You can set the phone line type to use for sending.

You must check the type of telephone line that you are using, and make the correct setting. If you set the machine incorrectly, the phone line cannot be used for communication.

Select the line type → press [OK].

12

Specifying the System Manager Settings

You can register the System Manager Information settings.

Confirm or change the authentication information → press [Next] → enter information if necessary → press [OK].



13

Closing the Setup Guide


You can close the Setup Guide, and then restart the machine.

After confirming that there are no jobs currently in progress, press [OK].

NOTE

You can also configure the machine's settings using the Setup Guide from [Start Setup Guide] (Settings/Registration). (See e-Manual > Security.)

Changing Specified Settings

You can change settings registered in the Setup Guide from the items in  (Settings/Registration). From [Start Setup Guide] (Settings/Registration), you can start the Setup Guide and redo all the settings from the beginning. (See e-Manual > Security.)

For more information on changing the settings, see the following.

Setting Description	Location in e-Manual
Language, keyboard layout	Settings/Registration > Preferences > Display Settings > Changing the Display Language/Keyboard on the Touch Panel Display
Information on the paper loaded in the paper source	Settings/Registration > Preferences > Paper Settings > Registering the Paper Size and Type for a Paper Source
Date/time	Settings/Registration > Preferences > Timer/Energy Settings > Current Date and Time
Network settings	Network > TCP/IP Network Setup Procedures > Protocol Settings
Fax number of the machine	Settings/Registration > Function Settings > Send > Specifying the Fax Settings > Fax Line Settings
Unit name of the machine	
Telephone line type	
System Manager Settings	Security > Restricting Access by Authentication > Specifying the System Manager Settings



NOTE

To change [Country/Region], you must change it from [Setup Guide] (Settings/Registration).

Before Using This Machine

Parts and Their Functions	34
External View	34
Internal View	35
Feeder	35
Control Panel Parts and Functions	36
Backing Up/Exporting Data	38

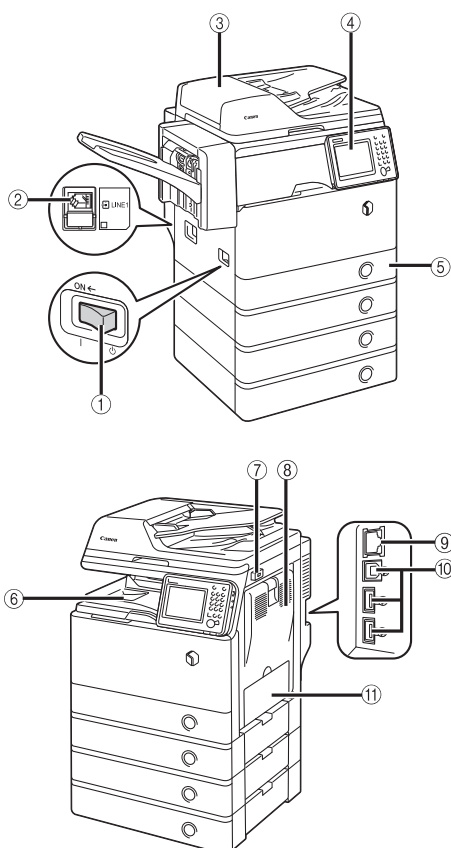
Parts and Their Functions

This section provides you with the names and functions of all the parts of the machine. For more information on optional products, parts and their functions, see e-Manual > Optional Products/Software.

External View

This section contains an external view of the imageRUNNER ADVANCE 500iF.

When the Cassette Module-AA1 and Staple Finisher-R1 Are Attached:



1 Main Power Switch

Press to the "I" side to turn ON the machine.

2 LINE 1

Use this port to connect a fax line to the machine.

3 Feeder

Originals placed in the feeder are automatically fed sheet by sheet to the scanning area. The feeder also automatically turns over two-sided originals to make one- or two-sided copies.

4 Control Panel

The control panel includes the keys, touch panel display, and indicators required for operating the machine. (See "Control Panel Parts and Functions," on p.36.)

5 Paper Drawer 1

Paper Drawer 1 holds up to 550 sheets of paper (21 lb bond (80 g/m²)).

6 Output Tray

Prints are output to this tray if the optional Staple Finisher-R1 is not attached.

7 USB Port (1)

Use the USB port to connect USB memory, external hard disks, and other devices to the machine.

8 Right Cover of the Main Unit

Open this cover when clearing a paper jam inside the main unit. (See e-Manual > Problem Solving.)

9 LAN Port

Use an Ethernet cable to connect the machine to a network.

10 USB Port (2)

Use the USB port to connect external hard disks and other devices to the machine. You can also connect the machine to a computer using a USB cable.

11 Multi-Purpose Tray

Use the multi-purpose tray to feed paper manually, and for loading nonstandard paper stock, such as envelopes. (See e-Manual > Basic Operations.)

11 Paper Drawer's Upper Right Cover

Open this cover when clearing a paper jam inside the main unit. (See e-Manual > Problem Solving.)

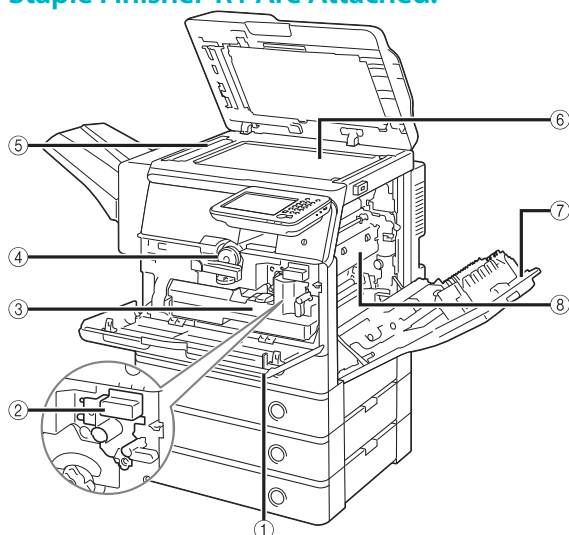
12 LINE 2

Use this port to connect the Super G3 2nd Line Fax Board to the machine.

Internal View

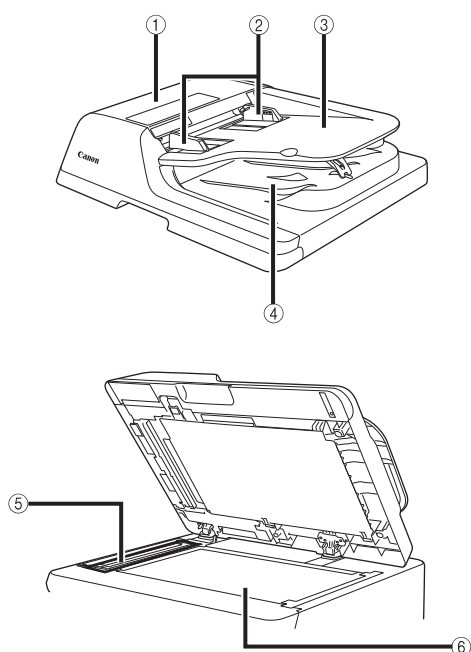
This section contains an external view of the imageRUNNER ADVANCE 500iF.

When the Cassette Module-AA1 and Staple Finisher-R1 Are Attached:



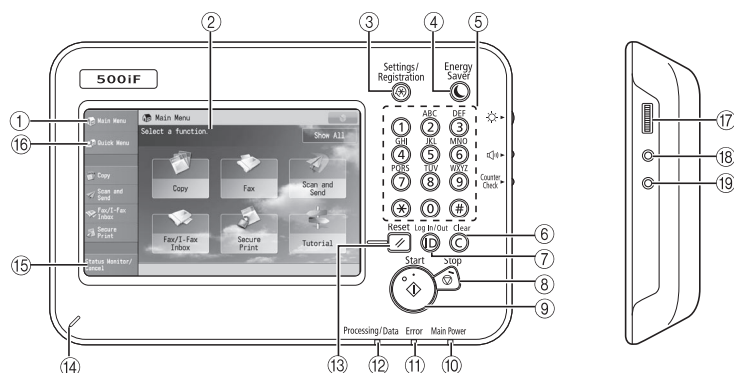
- 1 Front Cover of the Main Unit**
Open this cover to replace the toner cartridge, the waste toner container, and the drum unit.
- 2 Drum Unit**
The unit that applies toner to paper during printing. For more information on handling the drum unit, see the "Drum Unit Replacing Guide."
- 3 Waste Toner Container**
When the waste toner container becomes full, replace it with a new one. (See "Replacing the Waste Toner Container," on p.45.)
- 4 Toner Cartridge**
When toner runs out, pull out the toner cartridge and replace it with a new one. (See "Consumables," on p.71.)
- 5 Scanning Area**
Originals placed in the feeder are scanned here.
- 6 Platen Glass**
Place originals here when scanning books, heavyweight originals, transparencies, etc.
- 7 Right Cover of the Main Unit**
Open this cover when clearing a paper jam inside the main unit.
- 8 Fixing Unit**
If paper is jammed in the fixing unit, remove the jammed paper carefully.

Feeder



- 1 Feeder Cover**
Open this cover to remove jammed paper.
- 2 Slide Guides**
Adjust these guides to match the width of the original.
- 3 Original Supply Tray**
Originals placed here are automatically fed sheet by sheet into the feeder. Place originals into this tray with the surface that you want to scan face up.
- 4 Original Output Area**
Originals that have been scanned from the original supply tray are output into the original output area.
- 5 Document Feed Scanning Area**
Scans documents sent from the feeder.
- 6 Platen Glass**
Use the platen glass when scanning books, thick originals, thin originals, transparencies, etc.

Control Panel Parts and Functions



1 [Main Menu]

Press to display the Main Menu screen. If the Main Menu screen is not displayed when using a function, it is necessary to press [Main Menu] before using the function.

2 Touch Panel Display

The settings screen for each function is shown on this display. Six function keys are displayed by default.

3 Settings/Registration key

Press to specify settings/registration.

4 Energy Saver key

Press to set or cancel the Sleep mode. Lights when the machine enters the Sleep mode.

5 Numeric keys

Press to enter numerical values.

6 Clear key

Press to clear entered values or characters.

7 ID (Log In/Out) key

Press to log in/out when a login service such as Department ID Management or SSO-H has been set.

8 Stop key

Press to stop a job in progress, such as a scan, copy, or fax (scanning only) job.

9 Start key

Press to start an operation.

10 Main Power Indicator

Lights when the main power is turned ON.

11 Error Indicator

Flashes or lights if there is an error in the machine. When the Error indicator flashes, follow the instructions that appear on the touch panel display. When the Error indicator maintains a steady red light, contact your local authorized Canon dealer.

12 Processing/Data Indicator

Flashes or blinks green when the machine is performing operations, and maintains a steady green light when fax data is stored in memory.

13 Reset key

Press to restore the standard settings of the machine.

14 Edit Pen

Use when operating the touch panel display, such as to enter characters.

15 [Status Monitor/Cancel]

Press to check the status of jobs or to cancel print jobs. Also, you can check the status of the machine such as the amount of paper remaining in the paper source.

16 [Quick Menu]

Press to display functions registered in the Quick Menu.

17 Brightness Adjustment Dial

Use to adjust the brightness of the touch panel display.

18 Volume Settings key

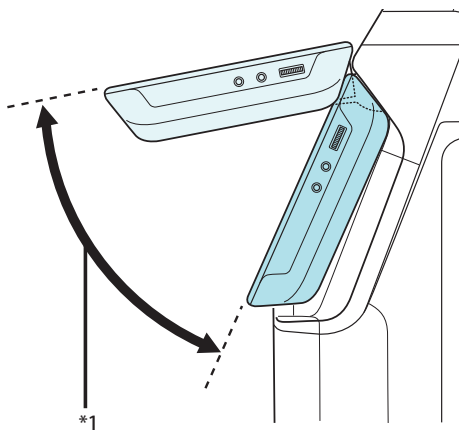
Press to display the screen for adjusting settings, such as the transmission volume and fax sending/receiving alarm volume.

19 Counter Check key

Press to display the copy and print count totals on the touch panel display.

Adjusting the Angle of the Control Panel

The angle of the control panel is adjustable as shown below.



***: Adjustable Range**



IMPORTANT

Do not apply excess force to the control panel when adjusting its angle.

Backing Up/Exporting Data

Various data such as the received data, address book, and Settings/Registration settings are stored on the internal memory of the machine.

A malfunction in the memory may cause these data to be lost. Please regularly back up/export your important data.

Please note that Canon will not be held responsible for any damages caused by the loss of data.

You can backup/export data in the following ways:

- Import/Export All
- Import/Export Individually

You can back up/export the following data:

Data You Can Import/Export All

You can save/load multiple items at once. In addition, you can exchange data with this machine and other machines which support the Import/Export All function.



IMPORTANT

You cannot use the Import All function, depending on the recipient's machine model. For more information, contact your local authorized Canon dealer.

Data	References
Settings/Registration Basic Information	e-Manual > Remote UI
Paper Type Management Settings	
Forwarding Settings	
Box Settings	
Department ID Management Settings	
Main Menu Settings	
Web Access Settings	
Favorite Settings	
Address Book	
Quick Menu Settings	
MEAP Application Setting Information	
User Setting Information	

Data You Can Import/Export Individually

You can save/load data individually. In addition, you can exchange data with this machine and other machines which do not support the Import/Export All function.

Data	References
Address Lists	e-Manual > Remote UI
Device Settings (Forwarding Settings, Address Book, Send Function Favorite Settings)	
Printer Settings	
Paper Information	
Web Access Favorites	e-Manual > Web Access

Other Data You Can Import/Export

You can exchange data with this machine and other machines which do not support the Import/Export All function.

Data		References
Quick Menu Information		e-Manual > Quick Menu
Data Relating to MEAP	License files for MEAP applications	e-Manual > MEAP
	Data saved from MEAP applications* ¹	Instruction manuals for each MEAP application.
	User authentication information registered for the Local Device Authentication system of SSO-H (Single Sign-On H)	e-Manual > MEAP

*1 You may be able to back up data stored by MEAP applications, depending on the application.



NOTE

- The passwords and PIN are backed up at the same time. However, some of the passwords may not be backed up, depending on the type of the password.
- If your machine is not connected to a network, it is recommended that you print and store important information such as the Address Book. (See e-Manual > Basic Operations.)

Routine Maintenance

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Loading Paper

This section describes how to load paper.

Loading Paper into a Paper Drawer

If the selected paper runs out, or the selected paper drawer runs out of paper during printing, a screen prompting you to load paper appears on the touch panel display.

You can follow the procedure below to load paper into the paper drawers.

CAUTION

When handling paper, take care not to cut your hands on the edges of the paper.

IMPORTANT

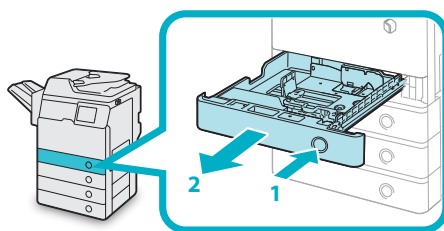
- A screen pro you to load paper also appears if the selected paper drawer is not fully inserted into the machine. Make sure that the paper drawer is properly in place.
- Do not load the following types of paper into the paper drawers. Doing so may cause a paper jam.
 - Severely curled or wrinkled paper
 - Thin straw paper
 - Paper which has been printed on using a thermal transfer printer
 - The reverse side of paper which has been printed on using a thermal transfer printer
- Fan the stack of paper well before loading it. Paper such as recycled paper, pre-punched paper, and heavy paper should be fanned particularly well before loading it.
- Never place paper or any other items in the empty part of the drawer next to the paper stack. Doing so may cause paper jams.
- When you are printing in the Staple mode, do not remove the output sheets that are waiting to be stapled. (Printing and stapling resume after you clear the paper jam.)

NOTE

- The following paper sizes can be loaded into Paper Drawers 1, 2, 3, and 4:
 - Paper Drawers 1, 3, and 4: LGL, LTR, STMT, and EXEC
 - Paper Drawer 2: LGL, LTR, STMT, EXEC, and envelopes
- Envelopes can be loaded into Paper Drawer 2 only if the Envelope Cassette-E1 is attached.

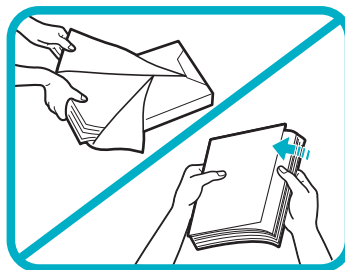
- Paper drawers 2, 3, and 4 can be used when the optional Cassette Module-AA1 is attached to the machine.
- If a message prompting you to load paper appears during printing, the remaining prints are automatically made after you load the correct paper. If you select a different paper drawer, the remaining prints are made after you press [OK].
- Press [Cancel] to cancel printing.

01 Open the paper drawer.



1. Press the open button on the paper drawer in which you want to load paper.
2. Grip the handle, and pull out the paper drawer until it stops.

02 Prepare the paper to load.

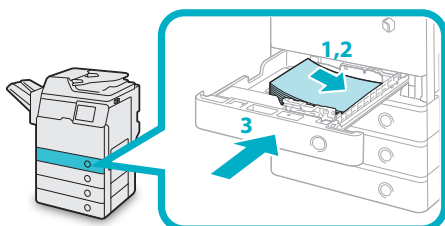


Open the packaging for the paper and remove the paper stack.

NOTE

- For high-quality printouts, use paper recommended by Canon.
- Before loading paper, always fan the sheets several times, and align the edges to facilitate feeding.

03 Load the paper stack into the paper drawer.



1. Make sure that the paper size setting of the paper drawer matches the size of the paper to load in the paper drawer.
2. Load the paper stack against the right wall of the paper drawer.
3. Gently push the paper drawer back into the machine until it clicks into place in the closed position.

CAUTION

When returning the paper drawer to its original position, be careful not to get your fingers caught, as this may result in personal injury.

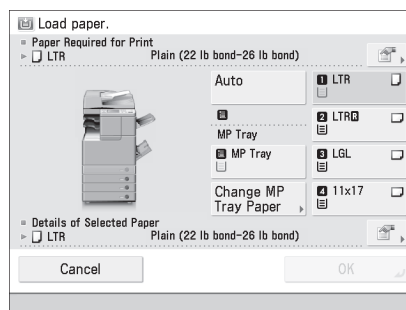
IMPORTANT

- Paper which is curled must be straightened out before loading it into the paper drawer.
- You will not be able to make copies or print if you load paper that exceeds the loading limit mark (▽▽▽), or if the paper drawer is not completely pushed into the machine.
- Make sure that the height of the paper stack does not exceed the loading limit mark (▽▽▽).
- Always check that the paper drawers are in place.

NOTE

- When loading paper into the paper drawer for the first time, set the paper size label to match the paper size being loaded. (See "Adjusting a Paper Drawer to Hold a Different Paper Size," on p.41.)
- Up to 550 sheets of paper 21 lb bond (80 g/m²) can be loaded in Paper Drawers 1 and 2.
- If there are instructions on the paper package about which side of the paper to load, follow those instructions.
- When the paper is loaded into the paper drawer, the side facing up is the one printed on.

- If problems, such as poor print quality or paper jams occur, try turning the paper stack over and reloading it.
- For more information on the print direction of preprinted paper (paper which has logos or patterns already printed on it), see e-Manual > Copy.
- Rewrap any remaining paper in its original package, and store it in a dry place, away from direct sunlight.
- If paper runs out and printing is stopped, load a new paper stack. Printing restarts after the new paper stack is loaded.



- If you print on the paper which has absorbed moisture, steam may come out from the output area of the machine. This is because the moist on the paper evaporates when the high temperature is applied when a toner is fixed to the paper. It is not a malfunction. (This especially happens in low room temperature.)

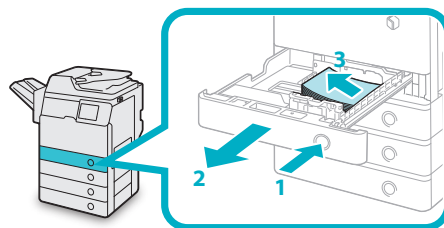
Adjusting a Paper Drawer to Hold a Different Paper Size

If you want to load a different size paper into a paper drawer, you can follow the procedure described below to adjust the paper drawer guides.

CAUTION

When handling paper, take care not to cut your hands on the edges of the paper.

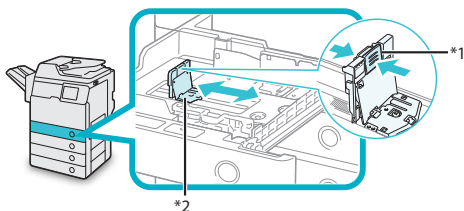
01 Remove the paper loaded in the paper drawer.



1. Press and release the button on the paper drawer in which you want to adjust.

2. Grip the handle, and pull out the paper drawer until it stops.
3. Remove all of the remaining paper.

02 Adjust the position of the Side Guide.



***1: Lever**

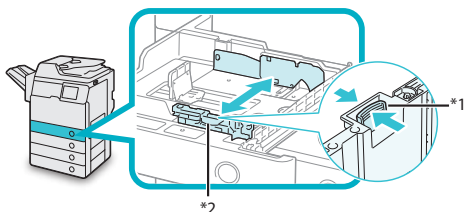
***2: Side Guide**

1. Squeeze the **lever** on the **side guide**.
2. Without releasing the **lever**, slide the **side guide** leftward or rightward to align it with the mark for the desired paper size.

IMPORTANT

Slide the guides until they click into place. If the left guide and front guide are not aligned correctly, the paper size will not correctly appear on the touch panel display. It is also necessary to adjust the guides correctly to avoid causing a paper jam, dirty prints, or making the inside of the machine dirty.

03 Adjust the position of the Front Guide.



***1: Lever**

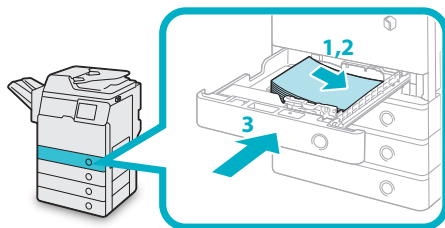
***2: Front Guide**

1. Squeeze the **lever** on the **front guide**.
2. Without releasing the **lever**, slide the **front guide** backward or forward to align it with the mark for the desired paper size.

IMPORTANT

Adjust the guides correctly. Failure to do so may cause paper jams or dirty prints, or make the inside of the machine dirty.

04 Load the appropriate size paper into the paper drawer.



1. Make sure that the paper size setting of the paper drawer matches the size of the paper to load in the paper drawer.
2. Load the paper stack against the right wall of the paper drawer.
3. Gently push the paper drawer back into the machine until it clicks into place in the closed position.

CAUTION

When returning the paper drawer to its original position, be careful not to get your fingers caught, as this may result in personal injury.

05 Specify the paper type as required.

For more information on registering the paper size and type, see e-Manual > Settings/Registration > Preferences > Paper Settings > Registering the Paper Size and Type for a Paper Source.

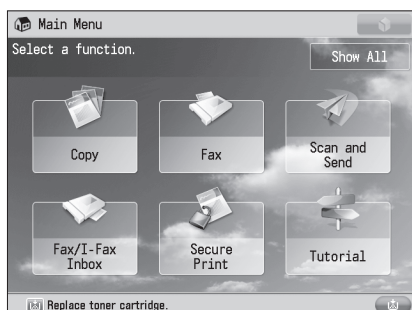
IMPORTANT

Make sure that the paper type setting of the paper drawer matches the type of the paper that is being loaded.

Replacing the Toner Cartridge/Waste Toner Container

Replacing the Toner Cartridge

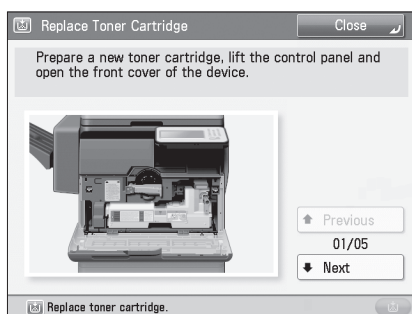
When there is only a small amount of toner remaining inside the machine, a message appears on the touch panel display. You can continue printing, but at this time you should purchase a new toner cartridge to have it available when needed.



When toner has run out completely and prints can no longer be made, a screen with instructions on how to replace the toner cartridge appears on the touch panel display.

You can follow the procedure described below to replace the toner cartridge.

If you press [Close], you can continue operations, such as setting modes and scanning originals, even if you do not replace the toner cartridge immediately.



! WARNING

- **Do not burn or throw used toner cartridges into open flames, as this may cause the toner to ignite, resulting in burns or a fire.**
- **If you accidentally spill or scatter toner, carefully gather the toner particles together or wipe them up with a soft, damp cloth in a way that prevents inhalation. Never use a vacuum cleaner that does not have safeguards against dust explosions to clean up spilled toner. Doing so may cause a malfunction in the vacuum cleaner, or result in a dust explosion due to static discharge.**

! CAUTION

- **Keep toner out of the reach of small children.**
- **If toner is ingested, consult a physician immediately.**
- **If toner gets onto your hands or clothing, wash it off immediately with cold water. Washing it off with warm water will set the toner, and make it impossible to remove the toner stains.**

! IMPORTANT

- Use only toner cartridges intended for use with this machine.
- For information on the supported Canon genuine toner, see "Consumables," on p.55.
- Do not replace toner cartridge until the message prompting you to do so appears.
- Do not attempt to replace the toner cartridge while the machine is printing.
- You can set the machine to display a message indicating that the remaining toner is low. (See e-Manual > Settings/Registration.)

NOTE

- When a message that the toner is low appears, approximately 1,000 pages can still be printed. It is recommended that you get a new toner cartridge ready for replacement before the toner runs out.
- Complete instructions on how to replace the toner cartridge can be accessed by pressing [Previous] or [Next] on the touch panel display.
- If toner runs out during a print job, the remaining prints are made after you replace the toner cartridge.

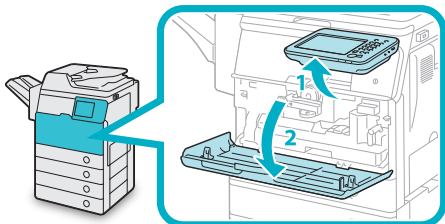
01 Press [].



NOTE

If the toner run out, this step is not necessary.

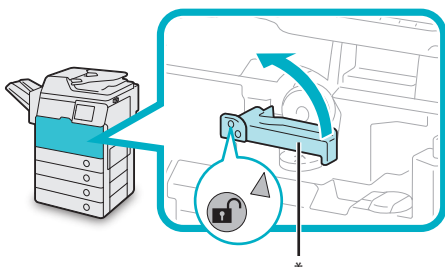
02 Open the front cover.



1. Lift the control panel.
2. Open the front cover.

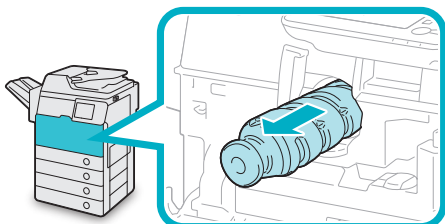
03 Remove the displayed toner cartridge.

1. Turn the **toner cartridge lock lever** counterclockwise so that the arrow marks on the lever and its axis face each other.



*: Toner Cartridge Lock Lever

2. Pull the toner cartridge out of the toner supply port.



Pull the toner cartridge out halfway with one hand, support it with the other hand from underneath, and then remove it completely while keeping it level.



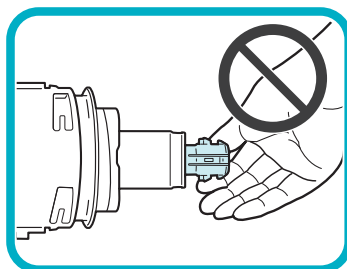
WARNING

Do not burn or throw used toner cartridge into open flames, as this may cause the toner remaining inside the cartridges to ignite resulting in burns or a fire.



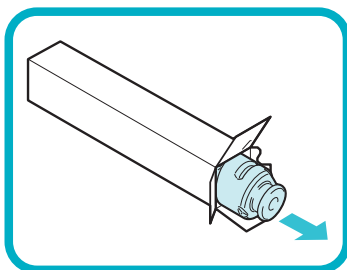
IMPORTANT

- If the toner cartridge cannot be pulled out, check that the knob is turned all the way to the appropriate position.
- Do not touch the tip of the toner cartridge or subject it to shock by hitting it. Doing so may cause the toner cartridge to leak.

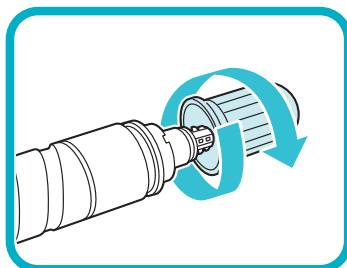


04 Prepare the new toner cartridge.

1. Open a package of toner cartridge, and then remove the toner cartridge.



2. Remove the protective cap from the new toner cartridge.

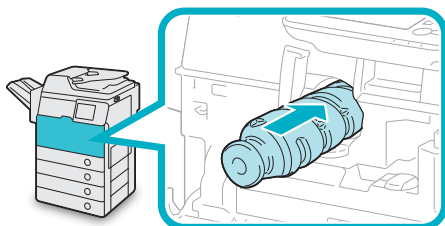


Twist the protective cap of the new toner cartridge in the direction of the arrow to remove it.

IMPORTANT

- Use only toner cartridges intended for use with the machine. (See "Consumables," on p.55.)
- Do not touch the opening of the toner cartridge or subject it to shock by hitting it. Doing so may cause the toner to leak out of the cartridge.

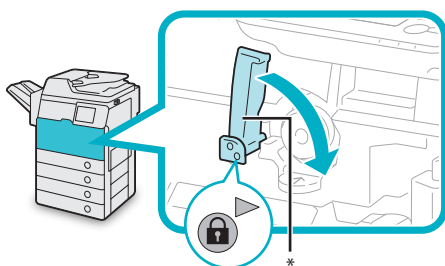
05 Insert the new toner cartridge in the toner supply port as far as it will go.



NOTE

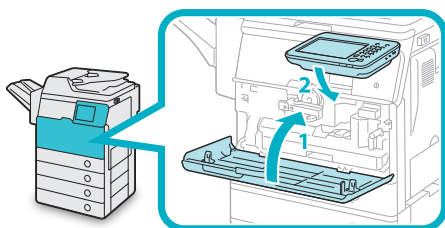
Support the new toner cartridge with your hand from underneath while pushing it into the machine with your other hand.

06 Turn the **toner cartridge lock lever** clockwise so that the arrow marks on the lever and its axis face each other.



*: Toner Cartridge Lock Lever

07 Close the front cover.



1. Close the front cover of the main unit.
2. Lower the control panel back in place.

CAUTION

When closing the covers, be careful not to get your fingers caught, as this may result in personal injury.

Replacing the Waste Toner Container

When the waste toner container nears capacity, a message appears on the touch panel display. In this case, you should prepare a new waste toner container.

When the waste toner container is full, a screen with instructions on how to replace the waste toner container appears on the touch panel display. You can follow the procedure described below to replace the waste toner container.

Even if you do not replace the waste toner container immediately, you can perform printing for a while. The number of prints you can make depends on the content you print.

However, if you continue printing, an error will occur and you will become unable to print.

WARNING

- Do not burn or throw used waste toner containers into open flames. Also, do not store waste toner containers in places exposed to open flames, as this may cause the toner to ignite, resulting in burns or a fire.
- If you accidentally spill or scatter toner, carefully gather the toner particles together or wipe them up with a soft, damp cloth in a way that prevents inhalation. Never use a vacuum cleaner that does not have safeguards against dust explosions to clean up spilled toner. Doing so may cause a malfunction in the vacuum cleaner, or result in a dust explosion due to static discharge.

CAUTION

- If toner is ingested, consult a physician immediately.
- If toner gets onto your hands or clothing, wash it off immediately with cold water. Washing it off with warm water will set the toner, and make it impossible to remove the toner stains.

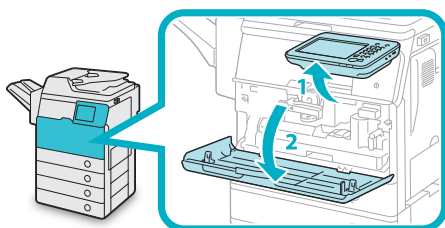
IMPORTANT

- Your local authorized Canon dealer will dispose of used waste toner containers. Use the provided cover to cover up the opening of the used waste toner container.
- Used toner cannot be reused. Do not mix new and used toner together.
- Use only waste toner containers intended for use with this machine.
- Do not replace the waste toner container before the message prompting you to replace it appears on the touch panel display.

NOTE

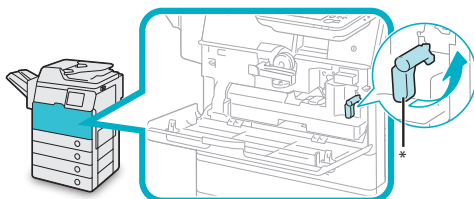
Complete instructions on how to replace the waste toner container can be accessed by pressing [Previous] or [Next] on the touch panel display.

- 01** Pull out the waste toner container from the front of the machine.



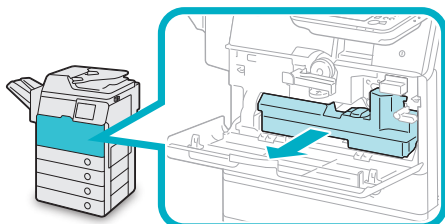
1. Lift the control panel.
2. Open the front cover.

- 02** Turn the **toner container lock lever** counterclockwise 90 degrees to unlock the waste toner container.



*: Toner Container Lock Lever

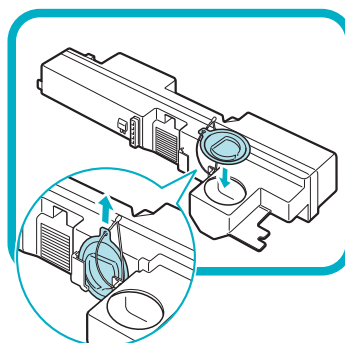
- 03** Remove the waste toner container.



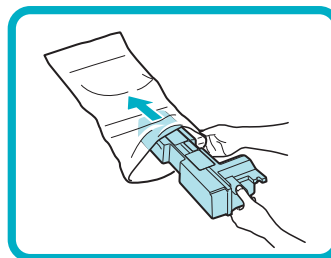
CAUTION

When removing the waste toner container, be careful not to tilt it, as the toner may spill and get onto your hands or clothing.

- 04** Detach the cap mounted on the side of the container, and use it to seal the opening so that the waste toner does not spill out.



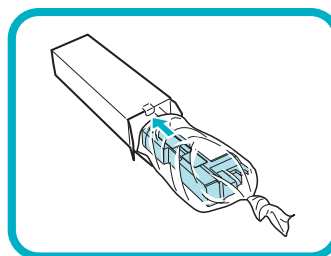
- 05** Put the removed waste toner container into a bag, and then tie it up at the top to prevent the toner remaining inside the cartridge from scattering.



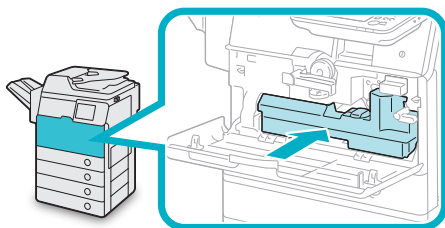
NOTE

Use a bag in the box in which the new waste toner container is stored.

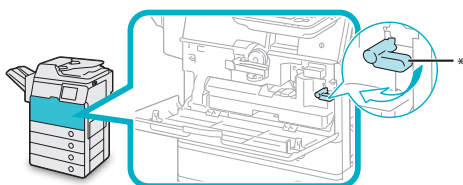
- 06** Put the bag containing the used waste toner container into the box.



07 Insert the new container in place.

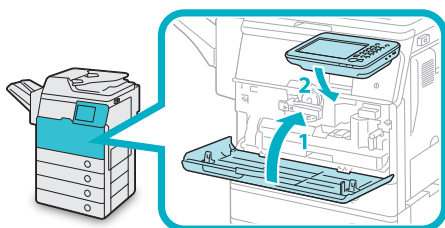


08 Turn the **toner container lock lever** clockwise 90 degrees to lock the container.



*: Toner Container Lock Lever

09 Close the front cover.



1. Close the front cover of the main unit.
2. Lower the control panel back in place.



CAUTION

When closing the cover for the waste toner container, be careful not to get your fingers caught, as this may result in personal injury.

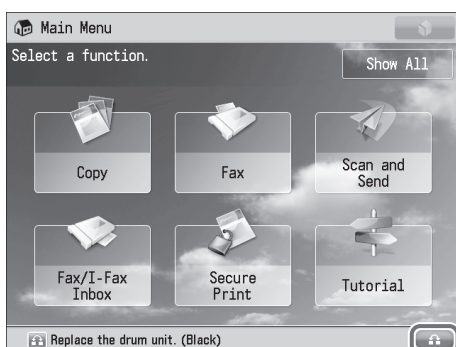
Replacing the Drum Unit

You can follow the procedure below to replace the drum unit.

IMPORTANT

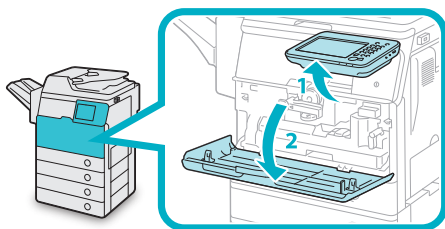
When no drum unit is installed in the machine, the message <Insert the drum.> appears on the touch panel display. If this message is displayed, follow the procedure below to install the drum unit in the machine.

01 Press .



The name of the part that needs to be replaced is displayed.

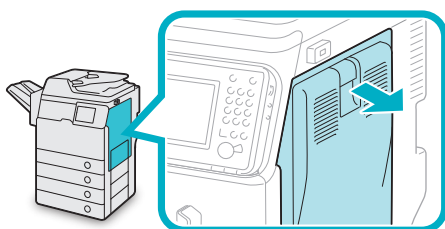
02 Open the front cover.



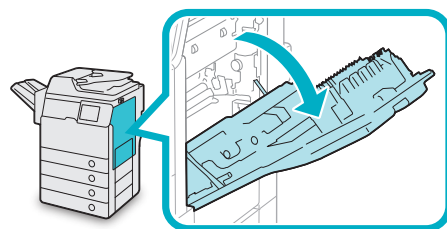
1. Lift the control panel.
2. Open the front cover.

03 Open the right cover of the main unit. If the multi-purpose tray is opened, close it before opening the right cover.

1. Pull the lever on the right cover of the main unit.



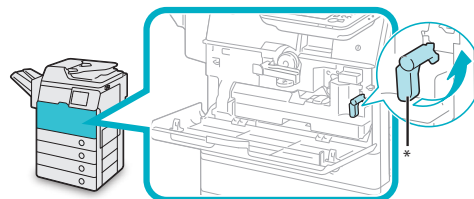
2. Gently open the cover downward until it stops.



IMPORTANT

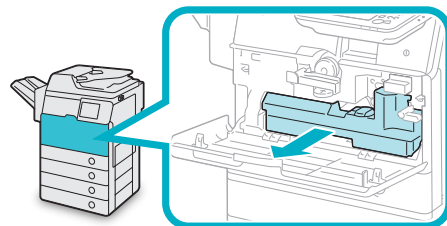
Always open the right cover as illustrated during installation to prevent damage to the drum unit.

04 Turn the **toner container lock lever** counterclockwise 90 degrees to unlock the waste toner container.



*: **Toner Container Lock Lever**

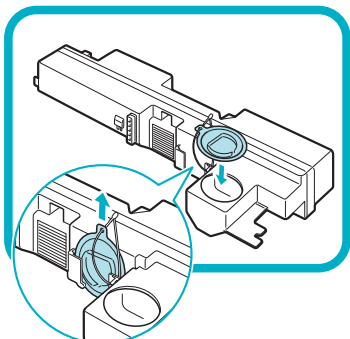
05 Remove the waste toner container.



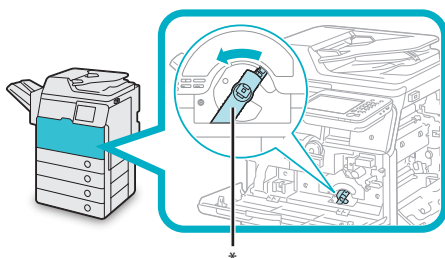
CAUTION

When removing the waste toner container, be careful not to tilt it, as the toner may spill and get onto your hands or clothing.

- 06** Detach the cap mounted on the side of the container, and use it to seal the opening so that the waste toner does not spill out.

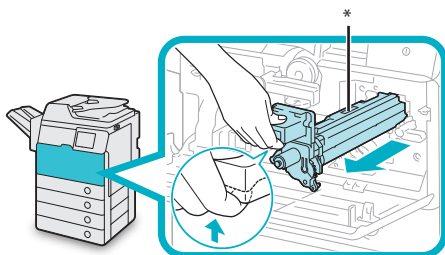


- 07** Unlock the drum unit by turning the **drum unit lock lever** counterclockwise until it stops.



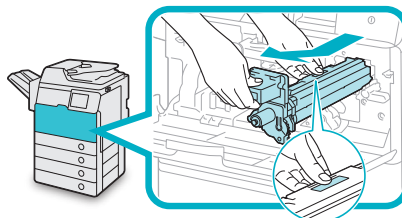
*: Drum Unit Lock Lever

- 08** While lifting the lever under the tab, slowly pull the drum unit until the **blue marking** appears.

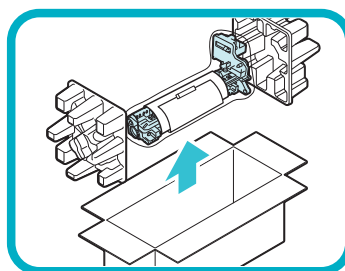


*: Blue Marking

- 09** Holding the part with the blue marking, pull the drum unit out slightly upward.

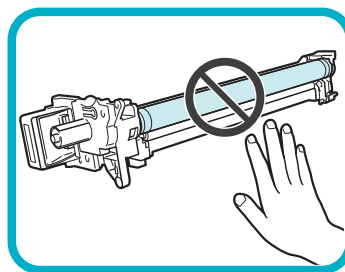


- 10** Remove the drum unit from its protective bag.

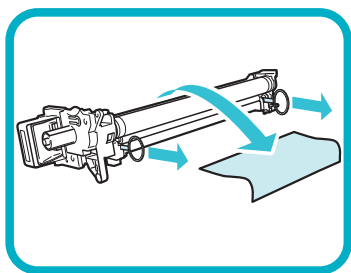


IMPORTANT

- Do not touch or expose the cylindrical, blue-green part to light for a long time, as the print quality may deteriorate.
- Do not expose the drum unit to direct sunlight or strong light.
- Condensation (water droplets on the inside or outside) may form on the drum unit when it is brought into an environment with a sudden change in temperature or humidity. When moving a new drum unit to a location with change in temperature, leave the drum unit in the protective bag at the new location for two or more hours to allow it to adjust to the new temperature.

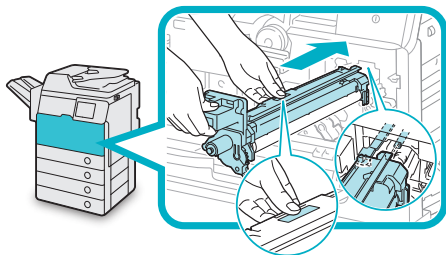


- 11** Pull the two orange rings out, and remove the protective cover.

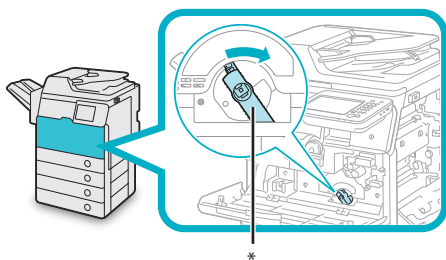


- 12** Holding the tab and the part with the blue marking, slowly insert the drum unit until it stops.

When inserting the drum unit, make sure that the drum unit slides properly along the rails on the machine.

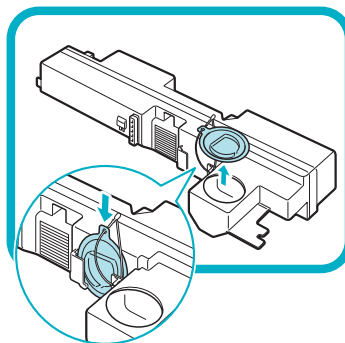


- 13** Lock the drum unit by turning the **drum unit lock lever** clockwise until it stops.



*: Drum Unit Lock Lever

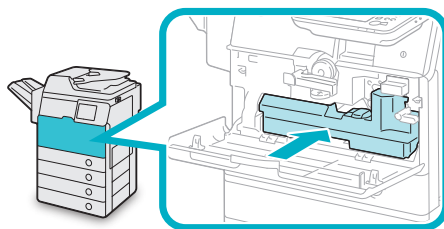
- 14** Remove the cap from the container opening and attach it to the protrusion on the side of the container.



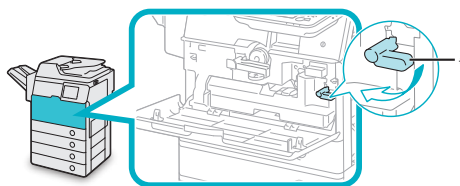
IMPORTANT

Be careful not to spill the waste toner when detaching the cap.

- 15** Insert the waste toner container.

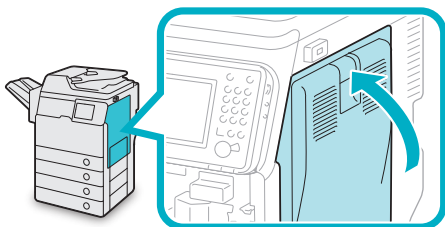


- 16** Turn the **toner container lock lever** clockwise 90 degrees to lock the container.



*: Toner Container Lock Lever

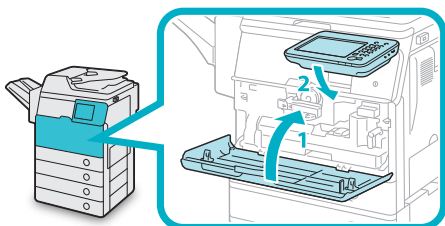
- 17** Place your hand where the hand symbol (☞) is located on the right cover of the main unit, and then gently close the right cover until it clicks into place.



CAUTION

When closing the cover, be careful not to get your fingers caught, as this may result in personal injury.

- 18** Close the front cover.

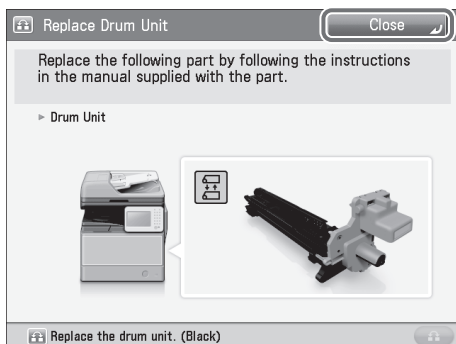


1. Close the front cover of the main unit.
2. Lower the control panel back in place.

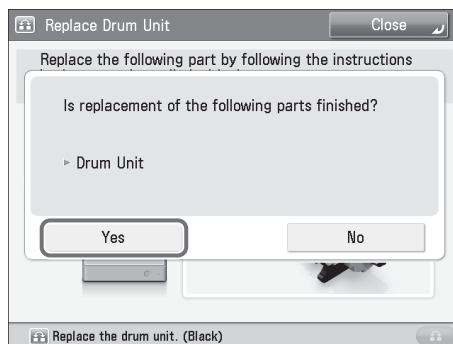
CAUTION

When closing the cover for the waste toner container, be careful not to get your fingers caught, as this may result in personal injury.

- 19** Press [Close].



- 20** Press [Yes].



Press [Yes] to start initializing the drum unit.

NOTE

- If you want to initialize the drum unit at a later time, or if you have not yet replaced the drum, press [No].
- For instructions on initializing the drum unit, see "Initializing After Replacing Parts."

Routine Cleaning

If the original is not copied clearly, clean the following parts of the machine. For high-quality printouts, we recommend cleaning these parts once or twice a month.

- Platen glass
- Underside of the feeder
- Feeder scanning area and rollers



WARNING

- When cleaning the machine, first turn OFF the main power switch, and disconnect the power cord. Failure to observe these steps may result in a fire or electrical shock.
- Disconnect the power cord from the power outlet regularly, and clean the area around the base of the power plug's metal pins and the power outlet with a dry cloth to ensure that all dust and grime is removed. If the power cord is connected for a long period of time in a damp, dusty, or smoky location, dust can build up around the power plug and become damp. This may cause a short circuit and result in a fire.



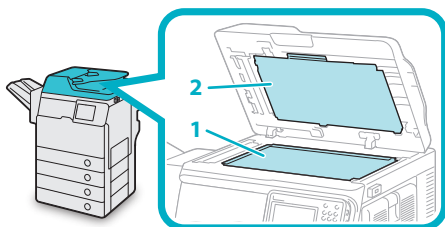
IMPORTANT

- When cleaning with a cloth, do not dampen it too much, as this may damage the original or break the machine.
- Do not use alcohol, benzene, paint thinner, or other solvents for cleaning. Doing so may result in damage to the plastic parts.

Cleaning the Platen Glass and Underside of the Feeder

If the platen glass or the underside of the feeder is dirty, the original may not be scanned clearly. Clean the platen glass and the underside of the feeder by following the procedure below.

- 01** Clean the platen glass and the underside of the feeder with a cloth which is wrung after being dampened in water or a mild detergent, and then wipe them clean with a soft, dry cloth.



1. Clean the platen glass.
Also, clean the feeder scanning area (thin glass strip).
2. Clean the underside of the feeder.

Manual Feeder Cleaning

If originals that have been fed through the feeder have streaks or appear dirty, clean the feeder's rollers.

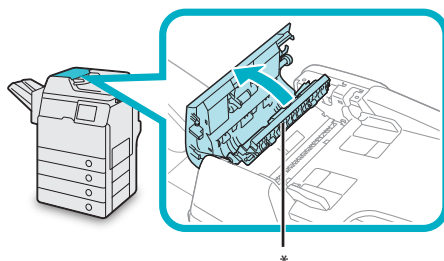
It is recommended that you clean the rollers of the feeder with a cloth which is wrung after being dampened in water, and then wipe them clean with a soft, dry cloth.



IMPORTANT

- Spin the rollers while cleaning them.
- If the document feed scanning area is dirty, documents may not be scanned clearly.
- Do not dampen the cloth too much, as excess water may damage the machine.

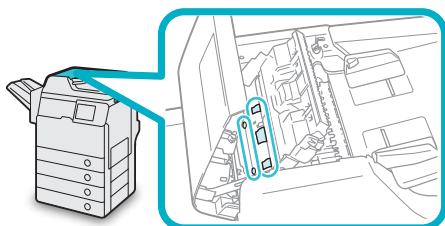
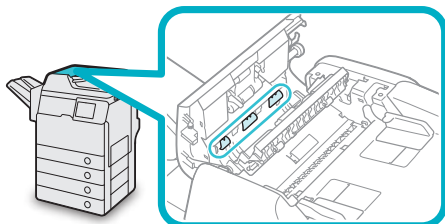
- 01** Gently open the **feeder cover**.



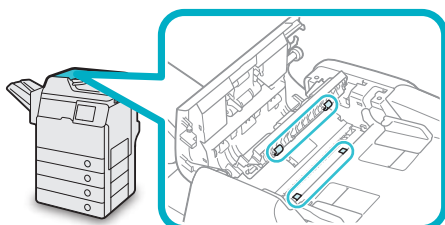
*: Feeder Cover

When the feeder cover is completely opened, the inner cover is also opened.

- 02** Clean the rollers (a total of eight places) inside the feeder cover with a water-moistened cloth. Then, wipe the area with a soft, dry cloth.

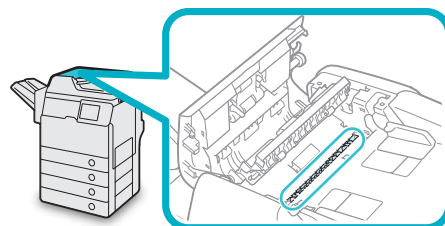
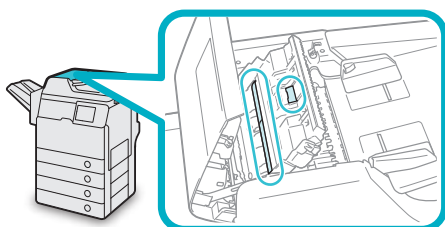


- 03** Clean the rollers (a total of four places) inside the inner cover with a water-moistened cloth. Then, wipe the area with a soft, dry cloth.

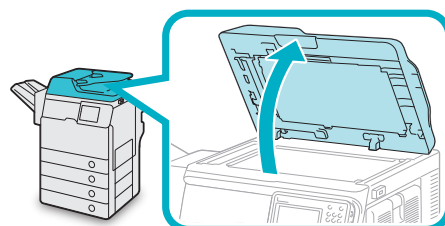


Spin the rollers with your hand while cleaning them.

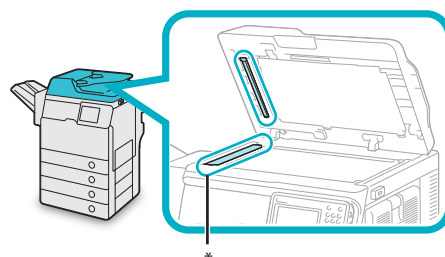
- 04** Clean the transparent plastic parts of the inner cover and inside it (a total of three places) with a water-moistened cloth. Then, wipe the area with a soft, dry cloth.



- 05** Lift the feeder.

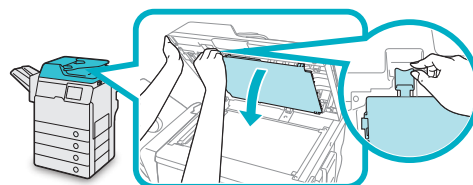


- 06** Clean the **feeder scanning area** (the left side of the platen glass) and the white strip of plate under the feeder with a water-moistened cloth. Then, wipe the area with a soft, dry cloth.

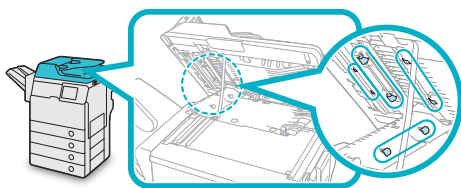


*: Feeder Scanning Area

- 07** Hold the feeder with one hand, and then open the cover under the feeder with the other.

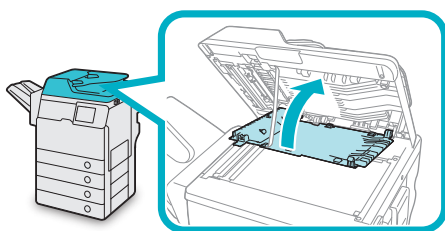


- 08** Clean the rollers (a total of eight places) inside the cover under the feeder with a water-moistened cloth. Then, wipe the area with a soft, dry cloth.



Spin the rollers with your hand while cleaning them.

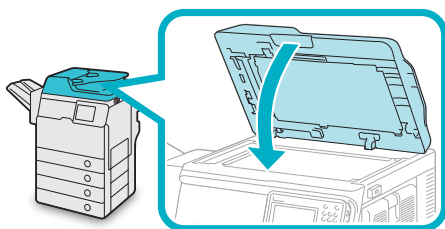
- 09** Close the cover under the feeder.



! CAUTION

When closing the cover, be careful not to get your fingers caught, as this may result in personal injury.

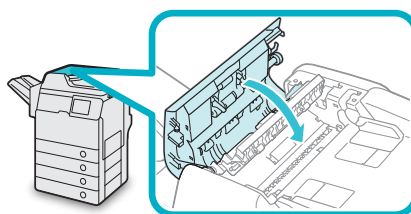
- 10** Gently lower the feeder.



! CAUTION

When lowering the feeder, be careful not to get your fingers caught, as this may result in personal injury.

- 11** Gently close the feeder cover.



! CAUTION

When closing the cover, be careful not to get your fingers caught, as this may result in personal injury.

Consumables

The following consumables are available from Canon. For more information, contact your local authorized Canon dealer. We recommend that you order paper stock and toner from your local authorized Canon dealer before your stock runs out.

● Recommended Paper

In addition to plain paper (LGL, LTR, STMT, and EXEC size), recycled paper, color paper, transparencies (recommended for this machine), tracing paper, labels, and other types of paper stock are available.

⚠ CAUTION

Do not store paper in places exposed to open flames, as this may cause the paper to ignite, resulting in burns or a fire.

👤 IMPORTANT

- Some commercially available paper types are not suited for this machine. Contact your local authorized Canon dealer when you need to purchase paper.
- To prevent moisture build-up, tightly wrap any remaining paper in its original package for storage.

📝 NOTE

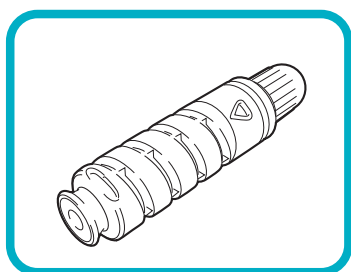
For high-quality printouts, use paper recommended by Canon.

● Toner

If a message prompting you to replace the toner cartridge appears on the touch panel display, replace the used toner cartridge with a new one. Use only toner cartridges intended for use with this machine.

For optimum print quality, using Canon genuine toner is recommended.

Product Name	Supported Canon Genuine Toner
imageRUNNER ADVANCE 500iF/400iF	GPR-48 Black Toner



⚠ WARNING

- **Do not burn or throw used toner cartridges into open flames, as this may cause the toner remaining inside the cartridges to ignite, resulting in burns or a fire.**
- **Do not store toner cartridges in places exposed to open flames, as this may cause the toner to ignite, resulting in burns or a fire.**
- **If you accidentally spill or scatter toner, carefully gather the toner particles together or wipe them up with a soft, damp cloth in a way that prevents inhalation. Never use a vacuum cleaner that does not have safeguards against dust explosions to clean up spilled toner. Doing so may cause a malfunction in the vacuum cleaner, or result in a dust explosion due to static discharge.**

⚠ CAUTION

Keep toner out of the reach of small children. If toner is ingested, consult a physician immediately.

👤 IMPORTANT

- Store toner cartridges in a cool location, away from direct sunlight. (The recommended storage conditions are temperatures below 86°F, and humidity below 80%.)
- Do not store toner cartridges in an upright position.
- [Be careful of counterfeit toners]
Please be aware that there are counterfeit Canon toners in the marketplace. Use of counterfeit toner may result in poor print quality or machine performance. Canon is not responsible for any malfunction, accident or damage caused by the use of counterfeit toner.
For more information, see <http://www.canon.com/counterfeit>.

● **Drum Unit**

When you replace the drum unit with a new one, be sure to use only drum units intended for use with the machine.

Product Name	Supported Canon Drum Unit
imageRUNNER ADVANCE 500iF/400iF	Canon C-EXV 37 Drum Unit

● **Staple Cartridge**

Finisher	Staple Cartridge (name/Shape)
Staple Finisher-R1	Staple-P1 <div data-bbox="349 542 651 774" data-label="Image"> </div>

● **Genuine Supplies**

Canon has developed and manufactured Toner, Parts, and Supplies specifically for use in this machine.

For optimal print quality and for optimal machine performance and productivity, we recommend that you use Genuine Canon Toner, Parts, and Supplies. Contact your Canon Authorized Dealer or Service Provider for Genuine Canon Supplies.



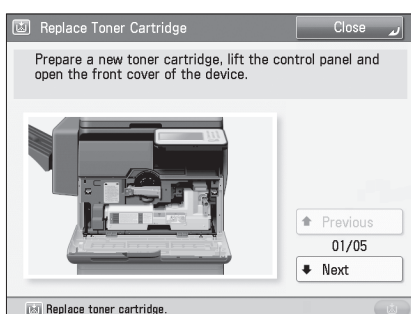
When an Error Message/Error Code Is Displayed

When an Error Message Is Displayed

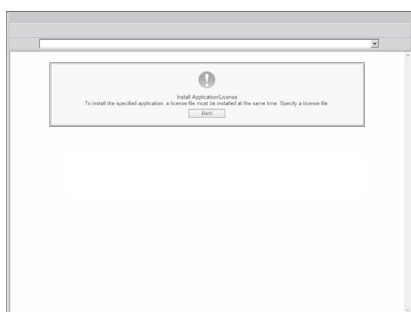
Error messages may appear on the touch panel display of the machine or the Web browser.

Self-diagnostic error messages appear in the following cases:

- When scanning or printing cannot be performed because of an operational error
- When you need to make a decision or take some action during scanning or printing
- When you need to make a decision or take some action while browsing the network



Example of an Error Message on the Touch Panel Display



Example of an Error Message on the Web Browser

For information on error messages and instructions on resolving errors, see e-Manual > Problem Solving.

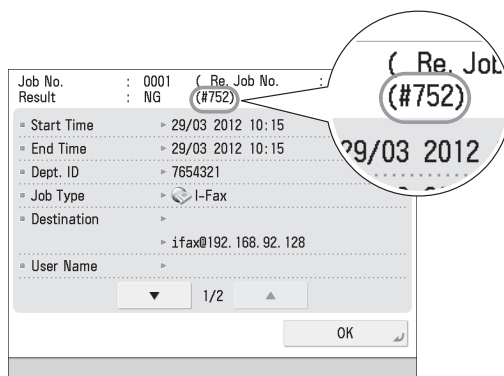
When an Error Code Is Displayed

If a job or operation does not complete successfully, the error code is displayed on the Details screen for Log on the Status Monitor/Cancel screen.

You can check the error code in the following locations:

- Details screen for Log on the Status Monitor/Cancel screen:

When a job or operation is not completed normally:



- Results row of the Communication Management Report:

If an error occurs during a send, receive, or fax job, the error code is printed.

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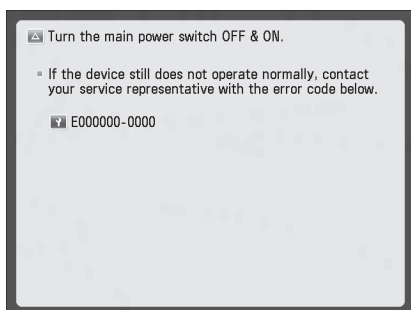
*** DEVICE INFORMATION COMMUNICATION LOG REPORT ***

START TIME	END TIME	TYPE	TO/FROM	DATA DETAILS	RESULT
04/06 16:06	04/06 16:07	DELIVER	111.111.111.1	DEPTID ADDRESS BOOK	NG #754
04/06 16:10	04/06 16:10	DELIVER	111.111.111.1	DEPTID ADDRESS BOOK	NG #754
04/06 16:10	04/06 16:10	DELIVER	222.222.222.222	DEPTID ADDRESS BOOK	NG #754
04/06 16:10	04/06 16:10	DELIVER	333.333.333.333	DEPTID ADDRESS BOOK	NG #754

For information on error codes and instructions on resolving errors, see e-Manual > Problem Solving.

Service Call Message

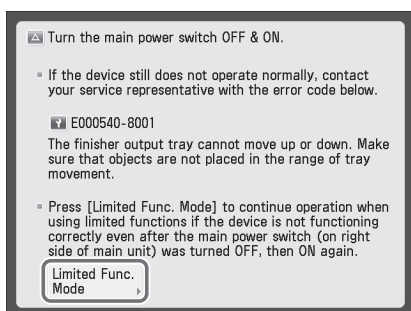
If a malfunction occurs and the machine cannot operate normally, a screen prompting you to contact your local authorized Canon dealer is displayed.



If a screen such as the one above is displayed, contact your local authorized Canon dealer. (See "Contacting Your Local Authorized Canon Dealer," on p.58.)

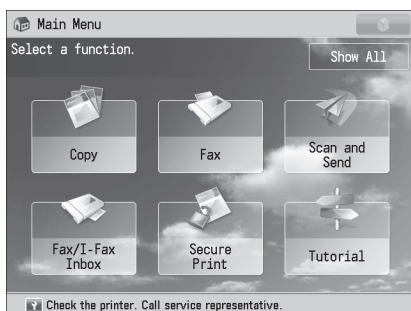
If a screen such as the one below is displayed and the print or scan function does not operate normally, some functions may still be available.

● When [Limited Func. Mode] is displayed:



If [Limited Func. Mode] is displayed, you can temporarily set the Limited Functions Mode to continue to use the machine until the cause of the malfunction is cleared. (See "Setting the Limited Functions Mode from the Service Call Message Screen," on p.59.)

● When a service call message is displayed on the bottom of the screen:



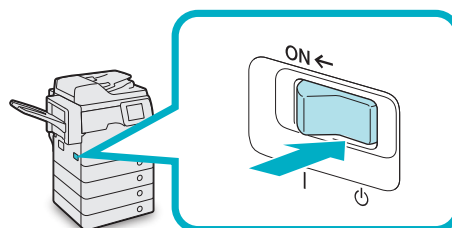
Even if a message prompting you to call your service representative appears on the bottom of the screen, some functions may still be available.

For more information on the available functions, see e-Manual > Problem Solving.

Contacting Your Local Authorized Canon Dealer

If a screen prompting you to contact your local authorized Canon dealer is displayed, follow the procedure described below.

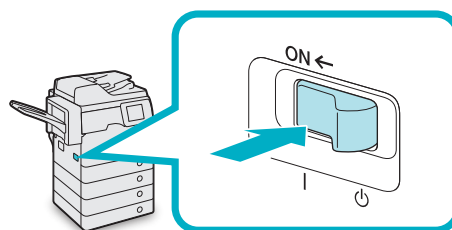
01 Press the main power switch to the "I" side.



IMPORTANT

If you turn OFF the main power switch when there is a job waiting to print, that job is erased.

02 Wait at least 10 seconds after the Main Power Indicator is turned off, and then turn the main power switch back to "I" side.



03 If the machine still does not operate normally, follow the procedure below, and then contact your local authorized Canon dealer.

1. Turn the main power switch OFF.
2. Remove the power plug from the power outlet.

WARNING

Do not connect or disconnect the power cord with wet hands, as this may result in electrical shock.

CAUTION

Always grasp the power plug when disconnecting the power cord. Pulling on the power cord may expose or snap the core wire, or otherwise damage the power cord. If the power cord is damaged, this could cause current to leak, resulting in a fire or electrical shock.

NOTE

When you contact your local authorized Canon dealer, have the following information available:

- Product name
- Details of the malfunction
- The error code displayed on the touch panel display

Setting the Limited Functions Mode from the Service Call Message Screen

When [Limited Func. Mode] is displayed, follow the procedures below.

IMPORTANT

If you turn OFF the main power switch when there is a job waiting to print, that job is erased.

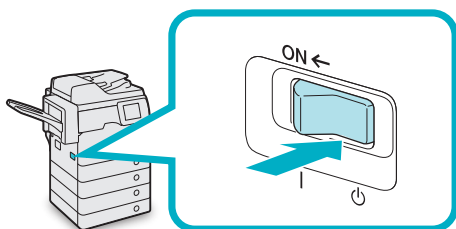
NOTE

If you set Limited Functions Mode to 'On' from the Service Call Message screen, [Limited Functions Mode] in [Management Settings] (Settings/Registration) is also set to 'On'. (See e-Manual > Security.)

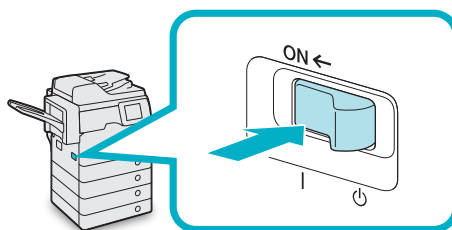
01 Press [Limited Func. Mode] → [Yes].

A message prompting you to restart the machine (turning the main power switch OFF, and then ON) appears.

02 Press the main power switch to the "⏻" side.



03 Wait at least 10 seconds after the Main Power Indicator is turned off, and then turn the main power switch back to "I" side.



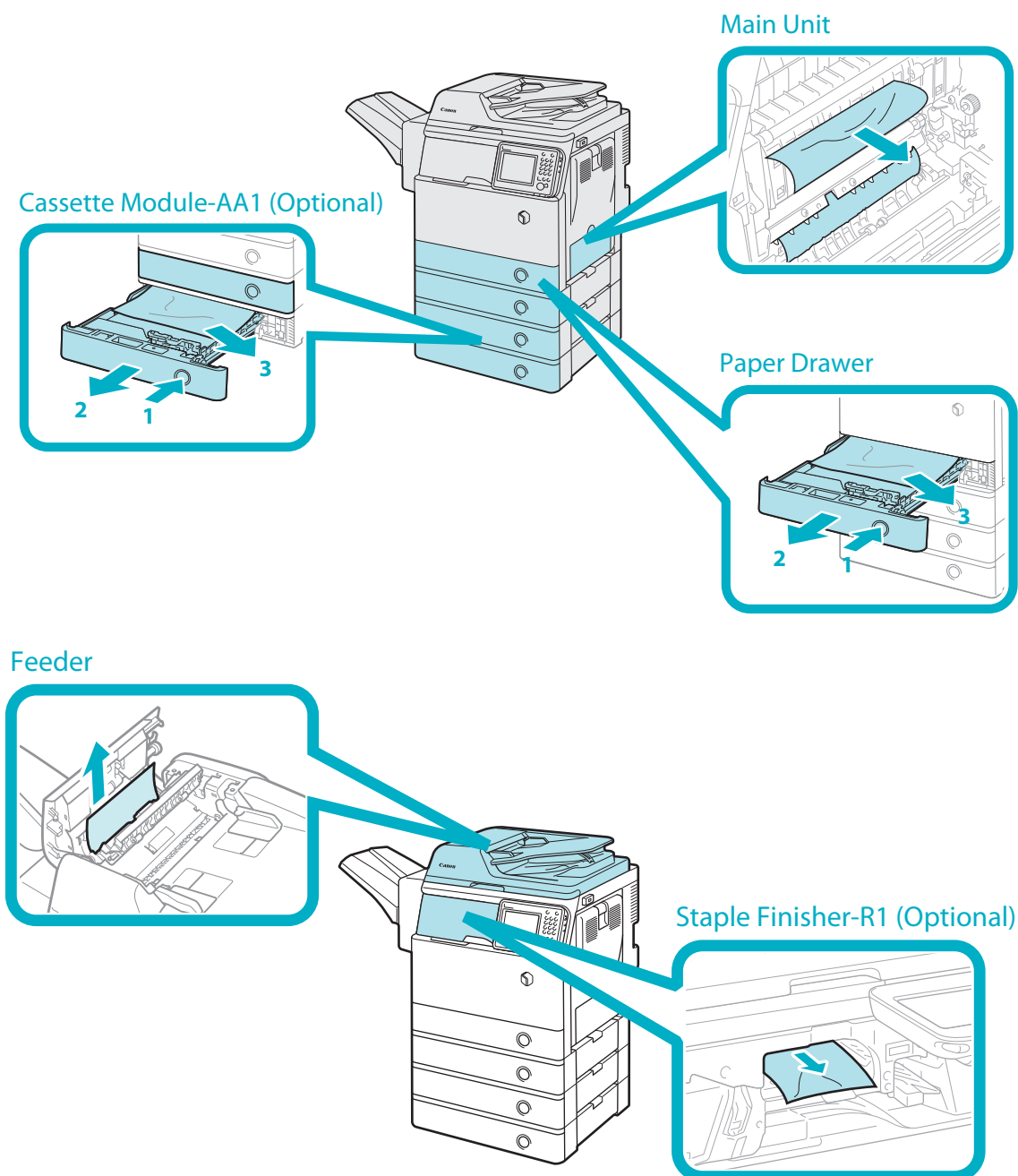
The machine starts up in the Limited Functions mode.

Locations of Staple/Paper Jams

Paper and staple jams may occur in the following parts of the machine. By following the instructions in the applicable section, you can clear staple/paper jams. For details on these procedures, see the e-Manual.

Locations of Paper Jams

→ **e-Manual** > Problem Solving > Locations of Paper Jams



Specifications

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Specifications

Specifications are subject to change without notice for product improvement or future release.

Main Unit

Item	Specifications
Name	Canon imageRUNNER ADVANCE 500iF/400iF
Type	Reader-printer combined, Console
Resolution for Reading	600 x 600 dpi (Black-and-White) 300 x 300 dpi (Full Color)
Resolution for Writing	600 x 600 dpi (Copy) 1200 x 1200 dpi (Print)
Number of Tones	256
Available Paper	<p>Paper Drawer: Weight: 17 to 28 lb bond (64 to 105 g/m²) Type: Plain 1 (17 to 21 lb bond (64 to 80 g/m²)), Plain 2 (22 to 24 lb bond (81 to 90 g/m²)), Recycled, Color, Pre-Punched, and Heavy 1 (25 to 28 lb bond (91 to 105 g/m²))</p> <p>Multi-Purpose Tray: Weight: 17 lb bond to 67 lb cover (64 to 181 g/m²) Type: Plain 1 (17 to 21 lb bond (64 to 80 g/m²)), Plain 2 (22 to 24 lb bond (81 to 90 g/m²)), Recycled, Color, Pre-Punched, Bond, Heavy 1 (25 to 28 lb bond (91 to 105 g/m²)), Heavy 2 (29 lb bond to 34 lb cover (106 to 128 g/m²)), Labels, Transparency, and Envelopes</p>
Acceptable Originals	Sheet, book, three dimensional objects (up to 2 kg)
Paper Sizes	<p>Paper Drawer: LGL, LTR, STMT, EXEC, and Custom size (xx" x xx" to xx" x xx" (139.7 mm x 210 mm to 215.9 mm x 355.6 mm))</p> <p>Multi-Purpose Tray: LGL, LTR, STMT, EXEC, Custom size (xx" x xx" to xx" x xx" (99 mm x 139.7 mm to 215.9 mm x 355.6 mm)), and Envelopes</p>

Item	Specifications															
Warm-Up Time*	After Powering ON (when [Quick Startup Settings for Main Power] is set to 'Off'): 38 seconds or less After Powering ON (when [Quick Startup Settings for Main Power] is set to 'On'): xx seconds or less The time until key operations can be performed on the touch panel display is xx seconds or less. Even if [Quick Startup Settings for Main Power] is set to 'On', the machine does not startup quickly, depending on the situations. Returning from the Sleep mode: 10 seconds or less *Activation time may vary, depending on the environment and conditions under which the machine is being used. (At a room temperature of 68°F in all above cases.)															
First Copy Time	5 seconds or less															
Copy Speed*	1:1 (sheet/minute) <table><tr><td>imageRUNNER ADVANCE 500iF</td><td>imageRUNNER ADVANCE 500iF</td><td>imageRUNNER ADVANCE 400iF</td></tr><tr><td>LGL</td><td>xx</td><td>xx</td></tr><tr><td>LTR</td><td>xx</td><td>xx</td></tr><tr><td>STMT</td><td>xx</td><td>xx</td></tr><tr><td>EXEC</td><td>xx</td><td>xx</td></tr></table> <p>* Except when paper is fed from the multi-purpose tray. The copy speed may vary, depending on the settings for paper type, paper size, and the sending method. When continuously copying, adjustments for machine temperature or image quality may cause machine operations to pause or become slow.</p>	imageRUNNER ADVANCE 500iF	imageRUNNER ADVANCE 500iF	imageRUNNER ADVANCE 400iF	LGL	xx	xx	LTR	xx	xx	STMT	xx	xx	EXEC	xx	xx
imageRUNNER ADVANCE 500iF	imageRUNNER ADVANCE 500iF	imageRUNNER ADVANCE 400iF														
LGL	xx	xx														
LTR	xx	xx														
STMT	xx	xx														
EXEC	xx	xx														
Margin	Top: xx" (5.0 mm or less) Left and Right: xx" (5.0 mm or less) Bottom: xx" (5.0 mm or less)															
Magnification	Regular paper size: <table><tr><td>Same Ratio</td></tr><tr><td>Direct</td></tr><tr><td>Reduction</td></tr><tr><td>1:0.78 (LGL → LTR)</td></tr><tr><td>1:0.64 (LTR → STMT)</td></tr><tr><td>1:0.50</td></tr><tr><td>1:0.25</td></tr><tr><td>Enlargement</td></tr><tr><td>1:1.29 (STMT → LTR)</td></tr><tr><td>1:2.00</td></tr><tr><td>1:4.00</td></tr></table> Copy Ratio: 25 to 400% (in 1% increment)	Same Ratio	Direct	Reduction	1:0.78 (LGL → LTR)	1:0.64 (LTR → STMT)	1:0.50	1:0.25	Enlargement	1:1.29 (STMT → LTR)	1:2.00	1:4.00				
Same Ratio																
Direct																
Reduction																
1:0.78 (LGL → LTR)																
1:0.64 (LTR → STMT)																
1:0.50																
1:0.25																
Enlargement																
1:1.29 (STMT → LTR)																
1:2.00																
1:4.00																
Paper Feeding System/Capacity	Paper Drawer: 550 sheets (21 lb bond (80 g/m ²)) Multi-Purpose Tray: 100 sheets (21 lb bond (80 g/m ²))															
Multiple Copies	1 to 999 sheets															
Memory Capacity	1.5 GB															
Hard Disk Capacity*1*2	160GB (Used space: xx GB)															

Item	Specifications
Power Source	120 - 127V AC, 60Hz, 10.0A
Power Consumption	<p>Maximum Power Consumption: 1.5 kW</p> <p>When the machine is in the Sleep mode*: 1 W</p> <p>When the main power switch is turned OFF: When [Quick Startup Settings for Main Power] is set to 'On': xx W When [Quick Startup Settings for Main Power] is set to 'Off': xx W</p> <p>* Depending on the system and conditions of use, these values may differ.</p>
Dimensions (H x W x D)	xx" x xx" x xx" (633 mm x 560 mm x 567 mm)
Weight	Approximately xx lb (xx kg)
Installation Space (W x D)	xx" x xx" (1180 mm x 932 mm) (when the multi-purpose tray is extended)

Feeder

Item	Specifications
Original Feeding Mechanism	Automatic Document Feeder
Size and Weight of Originals	<p>Size: LGL, LTR, and STMT*</p> <p>Weight: 1-sided/2-sided scanning: 13 lb bond to 34 lb bond (50 to 128 g/m²) Full Color Originals: xx lb bond to 34 lb bond (64 to 128 g/m²)</p> <p>* STMT originals can be placed either vertically or horizontally, when they are scanned for sending documents.</p>
Original Tray Capacity	100 sheets (21 lb bond (80 g/m ²))
Original Scanning Speed	<p>Copying: 1-sided scanning: 50 sheets/minute (LTR in Black-and-White at 600 dpi)</p> <p>Scanning: 1-sided scanning: 50 sheets/minute (LTR in Black-and-White at 600 dpi/Color at 300 dpi) 25 sheets/minute (LTR in Color at 600 dpi x 300 dpi)</p>

Cassette Module-AA1

Item	Specifications
Paper Sizes	LGL, LTR, STMT, EXEC, and Custom size (5 1/2" x 8 1/4" to 8 1/2" x 14" (139.7 mm x 210 mm to 215.9 mm x 355.6 mm))
Paper Drawers Capacity	550 sheets (21 lb bond (80 g/m ²))
Power Source/Maximum Power Consumption	From the main unit/Approximately 20 W
Dimensions (H x W x D)	4 3/4" x 21 1/4" x 19 3/4" (119 mm x 540 mm x 500 mm)
Weight	Approximately 17 lb (7.7 kg)

Envelope Cassette-E1

Item	Specifications
Acceptable Envelopes	COM10 No.10, Monarch, DL, ISO-C5
Capacity	50 sheets
Feeding Speed	Monarch, DL, ISO-C5: 12 cpm COM10 No.10: 10 cpm
Dimensions (H x W x D)	4 3/4" x 21 1/4" x 19 3/4" (119 mm x 540 mm x 500 mm)
Weight	Approximately 17 lb (7.7 kg)

Staple Finisher-R1

Item	Specifications
Paper Size/Weight/Type	Size: LGL, LTR, STMT, EXEC, Custom size (xx" x xx" to 8 1/2" x 14" (99 mm x 139.7 mm to 215.9 mm x 355.6 mm)), and Envelopes Weight: 17 lb bond to 67 lb cover (64 to 181 g/m ²) Type: Plain 1 (17 to 21 lb bond (64 to 80 g/m ²)), Plain 2 (22 to 24 lb bond (81 to 90 g/m ²)), Recycled, Color, Pre-Punched, Bond, Heavy 1 (25 to 28 lb bond (91 to 105 g/m ²)), Heavy 2 (29 lb bond to 34 lb cover (106 to 128 g/m ²)), Labels, Transparency, and Envelopes
Capacity Per Tray (Standard Tray)	No finishing set, Collate, Group mode: 17 to 24 lb bond (64 to 90 g/m ²): 500 sheets 25 to 28 lb bond (91 to 105 g/m ²): 200 sheets 29 lb bond to 34 lb cover (106 to 128 g/m ²): 50 sheets Collate + Offset, Group + Offset mode: Staple mode: No finishing set, Collate, Group mode with different paper sizes:

Item	Specifications
Max. Stapling capacity/Available Staple Size	Corner Staple mode: 17 to 24 lb bond (64 to 90 g/m ²): 50 sheets 25 to 28 lb bond (91 to 105 g/m ²): 50 sheets 29 lb bond to 34 lb cover (106 to 128 g/m ²): 30 sheets
Power Source/Maximum Power Consumption	From the main unit/Approximately 50 W
Dimensions (H x W x D)	10 3/8" x 31 3/8" x 15 5/8" (263 mm x 798 mm x 395 mm)
Weight	Approximately 23.1 lb (10.5 kg)
Installation Space Including the Main Unit (W x D)	46 1/2" x xx" (1,182 mm x 500 mm) (when the stack bypass is extended)

Copy Card Reader-F1

Item	Specifications
Available Cards	Magnetic
Card Readout Method	Magnetic readout
Magnetic Card Reading Direction	Face up
Store/Replay	Replay
Power Source	From the main unit
Dimensions (H x W x D)	1 5/8" x 3 1/2" x 3 3/4" (40 mm x 88 mm x 96 mm) (excluding the attachment kit and cable)
Weight	Approximately 7.1 oz (200 g) (including the attachment kit and cable)

Super G3 FAX Board-AH2

Item	Specifications
Telephone Line Used ^{*1}	Public Switched Telephone Network
Scan Line Density (Scan, Transmission)	Normal: 8 pels ² /mm x 3.85 line/mm Fine: 8 pels ² /mm x 7.7 line/mm Super-Fine: 8 pels ² /mm x 15.4 line/mm Ultra-Fine: 16 pels ² /mm x 15.4 line/mm
Transmission Speed	Super G3: 33.6 kbps, G3: 14.4 kbps
Compression Method	MH, MR, MMR, JBIG
Transmission Type	Super G3, G3
Sending Original Sizes	LGL to STMT
Receiving Paper Sizes	LGL to STMT
Transmission Times	JBIG: Approximately 2.6 seconds
Auto Dial Function	Address Book: 1,800 destinations (including destinations stored in one-touch buttons)
Image Memory	Approximately 6,000 pages

Send Function

Scan Features

Item	Specifications
Communication Protocol	FTP (TCP/IP), SMB (TCP/IP), WebDAV
Data Format	TIFF, JPEG, PDF, XPS, OOXML (Power Point)
Resolution	100 x 100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi
System Environment	Windows XP Professional SP3, Windows Server 2003 R2 SP2, Windows Vista SP2, Windows Server 2008 SP2, Windows Server 2008 R2 SP2, Windows 7, Solaris 10, Mac OS X 10.4.x/10.5.x/10.6.x, Red Hat Linux 9
Interface	1000BASE-T, 100BASE-TX, 10BASE-T
Color Mode	Automatic-Color Select (Full Color/Grayscale), Automatic-Color Select (Full Color/Black-and-White), Full Color, Grayscale, Black-and-White
Original Type	Text, Text/Photo, Photo
Other	Preview, Browse Windows (SMB) File Server
Optional PDF/XPS/OOXML Functions	<p>PDF: Compact, Trace and Smooth, Encryption, OCR, Device Signature, User Signature, Optimization for Web^{*1}, PDF/A-1b, Reader Extensions, Policy Applied</p> <p>XPS: Compact, OCR, Device Signature, User Signature</p> <p>OOXML: Power Point, OCR</p> <p>^{*1} PDF files optimized for Web viewing.</p>

E-Mail and I-Fax Features

Item	Specifications
Communication Protocol	SMTP, POP3
I-Fax Communication Mode	Simple, Full
Resolution	<p>For Sending E-mail: 100 x 100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi</p> <p>For Sending I-Fax (Black-and-White): 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi^{*1}, 300 x 300 dpi^{*1}, 400 x 400 dpi^{*1}, 600 x 600 dpi^{*1}</p> <p>For Sending I-Fax (Color) 100 x 100 dpi^{*1}, 200 x 200 dpi^{*1}, 300 x 300 dpi^{*1}, 400 x 400 dpi^{*1}, 600 x 600 dpi^{*1}</p> <p>^{*1} Available after setting RX conditions of the destination.</p>
Format	<p>E-mail: TIFF, JPEG, PDF, XPS, OOXML (Power Point)</p> <p>I-Fax (Black-and-White): TIFF (MH, MR^{*1}, MMR^{*1})</p> <p>I-Fax (Color): TIFF(Profile-C)^{*1}</p> <p>^{*1} Available after setting RX conditions of the destination.</p>
Original Size	<p>E-mail: LTR, STMT</p> <p>I-Fax: LGL^{*2}, LTR, STMT^{*2}</p> <p>^{*2} Sent as LTR</p>
Server Software	Microsoft Exchange 2003 SP2, Microsoft Exchange 2007 SP2, Sendmail 8.14.4, Lotus Domino R7.0
Other	Searches a destination via the LDAP Server, Preview
Optional PDF/XPS/OOXML Functions (E-mail only)	<p>PDF: Compact, Trace and Smooth, Encryption, OCR, Device Signature, User Signature, Optimization for Web^{*3}, PDF/A-1b, Reader Extensions, Policy Applied</p> <p>XPS: Compact, OCR, Device Signature, User Signature</p> <p>OOXML: Power Point, OCR</p> <p>^{*3} PDF files optimized for Web viewing.</p>

Network Environment

Hardware Specifications

Network Interface	10Base-T/100Base-TX/1000Base-T (RJ-45)
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Software Specifications

Protocol Supported		
TCP/IP	Frame type:	Ethernet II
	Print applications:	LPD/Raw/IPP/IPPS/FTP/WSD/SMB
IPX/SPX	Frame type:	Ethernet II/Ethernet 802.2/Ethernet 802.3/Ethernet SNAP/Auto Detect
	Print applications:	Bindery PServer/NDS PServer/RPrinter/Nprinter

Printer Settings

Software Specifications

Command Language	PCL5e, PCL6, PostScript 3	
Resident Fonts	PCL:	93 Scalable fonts, 2 OCR fonts, and 10 Bitmap fonts
	PS:	136 Scalable fonts
Printable Area	PCL5e, PCL6:	Reduced to 1/6" (4.23 mm) from the top, bottom, left, and right edges of the paper.
	PostScript 3:	Reduced to 1/6" (4 mm) from the top, bottom, left, and right edges of the paper.
	• With 12 5/8" x 17 11/16" size paper, you cannot print in the areas 1/6" (4 mm) mm from the top and bottom edges of the paper and 1/4" (7.5 mm) mm from the left and right edges of the paper.	
	• When printing in the 0" mode (apart from 12 5/8" x 17 11/16"), the upper margin becomes 1/6" (4 mm), the lower margin becomes 1/8" (2.5 mm), and the side margins both become 1/8" (2.5 mm). The printable area is enlarged.	
	• When printing in the 0" mode (12 5/8" x 17 11/16"), the upper margin becomes 1/6" (4 mm), the lower margin becomes 1/8" (2.5 mm), and the side margins both become 1/4" (7.5 mm). The printable area is enlarged.	

Legal Notices

Product Name

Safety regulations require the product's name to be registered. In some regions where this product is sold, the following name(s) in parenthesis may be registered instead.

- imageRUNNER ADVANCE 500iF/400iF (F190400)

FCC (Federal Communications Commission)

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.

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 separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of shielded cables are required to comply with Class B limits in Subpart B of Part 15 of the FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in this manual. If you make such changes or modifications, you could be required to stop operation of the equipment.

If your equipment malfunctions, please contact your local authorized Canon dealer from whom you purchased the equipment (if under warranty), or with whom you have a servicing contact. If you are not sure

who to contact, and have both purchased and are using the equipment in the U.S.A., please refer to the "SUPPORT" page on Canon U.S.A.'s Web site (<http://www.usa.canon.com>).

Canon U.S.A., Inc.

One Canon Plaza, Lake Success, NY 11042, U.S.A.

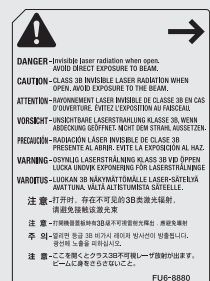
TEL No. 1-800-OK-CANON

Laser Safety

This product complies with 21 CFR Chapter 1 Subchapter J as a Class I laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. Also, this product is certified as a Class 1 laser product under IEC60825-1: 2007. This means that the product does not produce hazardous laser radiation.

Since radiation emitted inside the product is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation. Do not remove protective housings or external covers, except as directed by the equipment's manual.

The label shown below is attached to the paper drawer's right cover and toner supply port cover.



CAUTION

Use of controls, adjustments, or performance of procedures other than those specified in the manuals for this machine may result in hazardous radiation exposure.

International ENERGY STAR Program



As an ENERGY STAR® Partner, Canon USA, Inc. has determined that this machine meets the international ENERGY STAR Program for energy efficiency.

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

IPv6 Ready Logo



The protocol stack included in this machine has obtained the IPv6 Ready Logo Phase-2 established by the IPv6 Forum.

Information Security Standard (IEEE 2600)

This machine is compliant with IEEE Std 2600™ - 2008 (hereinafter referred to as IEEE 2600), a global information security standard for multifunction peripherals and printers, and is able to achieve the security requirements defined in IEEE 2600.*

For information on how this machine meets the security requirements defined in IEEE 2600, see e-Manual > Security > IEEE 2600 Security Standard.

* IEEE 2600.1 CC Authentication has not been obtained for this machine by itself.

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- Money Orders
- Food Stamps
- Certificates of Deposit
- Passports
- Postage Stamps (canceled or uncanceled)
- Immigration Papers
- Identifying Badges or Insignias
- Internal Revenue Stamps (canceled or uncanceled)
- Selective Service or Draft Papers
- Bonds or Other Certificates of Indebtedness
- Checks or Drafts Issued by Governmental Agencies
- Stock Certificates
- Motor Vehicle Licenses and Certificates of Title
- Copyrighted Works/Works of Art without Permission of Copyright Owner

Users in the U.S.A.

Preinstallation Requirements for Canon Facsimile Equipment



NOTE

The fax function is available only if the FAX Board is installed.

A. Location

Supply a suitable table, cabinet, or desk for the machine. See "Specifications" in this guide for specific dimensions and weight.

B. Order Information

1. A single telephone line (touch-tone or rotary) should be used. If the Super G3 2nd Line Fax Board is installed, a multi telephone line (touch-tone or rotary) can be used.
2. Order an RJ11-C telephone wall jack (USOC), which should be installed by the telephone company. If the RJ11-C wall jack is not present, telephone/facsimile operation is not possible.
3. Order a normal business line from your telephone company's business representative. The line should

be a regular voice grade line or an equivalent one. Use one line per unit. If the Super G3 2nd Line Fax Board is installed, you can use a multi-line.

DDD (Direct Distance Dial) line

-or-

IDDD (International Direct Distance Dial) line if you communicate overseas

NOTE

Canon recommends an individual line following industry standards, i.e., 2500 (touch-tone) or 500 (rotary/pulse dial) telephones. A dedicated extension off a PBX (Private Branch eXchange) unit without "Call Waiting" can be used with your facsimile unit. Key telephone systems are not recommended because they send nonstandard signals to individual telephones for ringing and special codes, which may cause a facsimile error.

C. Power Requirements

The machine should be connected to a standard 120 volt AC, three-wire grounded outlet only.

Do not connect this machine to an outlet or power line shared with other appliances that cause "electrical noise." Air conditioners, electric typewriters, copiers, and machines of this sort generate electrical noise that often interferes with communications equipment and the sending and receiving of documents.

Connection of the Equipment

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the rear panel of this equipment is a label that contains, among other information, a product identifier in the format of US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

The REN (Ringer Equivalence Number) is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. The REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 10 is a REN of 1.0).

An FCC compliant telephone line cable and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or premise wiring using a compatible modular jack that is Part 68 compliant.

This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs.

In Case of Equipment Malfunction

Should any malfunction occur which cannot be corrected by the procedures described in the e-Manual, disconnect the equipment from the telephone line cable and disconnect the power cord. The telephone line cable should not be reconnected or the main power switch turned ON until the problem is completely resolved. Users should contact their local authorized Canon Facsimile Service Dealer for the servicing of equipment.

If your equipment malfunctions, please contact your local authorized Canon dealer from whom you purchased the equipment (if under warranty), or with whom you have a servicing contract. If you are not sure who to contact, and have both purchased and are using the equipment in the U.S.A., please refer to the "SUPPORT" page on Canon U.S.A.'s Web site (<http://www.usa.canon.com>).

Rights of the Telephone Company

If this equipment imageRUNNER ADVANCE 500iF/400iF causes harm to the telephone network, the telephone company may temporarily disconnect service. The telephone company also retains the right to make changes in facilities and services that may affect the operation of this equipment. When such changes are necessary, the telephone company is required to give adequate prior notice to the user. However, if advance notice is not possible, the telephone company will notify the customer as soon as possible. Also, the customer will be advised of his/her right to file a complaint with the FCC if he/she believes it is necessary.

WARNING

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via a telephone facsimile machine unless such message clearly contains in a margin at the top or bottom of each transmitted page, or on the first page of the transmission, the date and time it is sent and an identification of the business or other entity, or other individual sending the message and the telephone number of the sending machine or such business, other entity, or individual. (The telephone number provided may not be a 900 number or any other number for which charges exceed local or long-distance transmission charges.)

NOTE

To program this information into your machine, complete the procedure for registering your name,

unit's telephone number, time, and date as described in Basic Operations or Settings/Registration in the e-Manual.

Users in Canada

Preinstallation Requirements for Canon Facsimile Equipment

NOTE

The fax function is available only if the FAX Board is installed.

A. Location

Supply a suitable table, cabinet, or desk for the machine. See "Specifications" in this guide for specific dimensions and weight.

B. Order Information

1. A single telephone line (touch-tone or rotary) should be used. If the Super G3 2nd Line Fax Board is installed, a multi telephone line (touch-tone or rotary) can be used.
2. Order a CA11A modular jack which should be installed by the telephone company. If the CA11A jack is not present, installation cannot occur.
3. Order a normal business line from your telephone company's business representative. The line should be a regular voice grade line or an equivalent one. Use one line per unit. If the Super G3 2nd Line Fax Board is installed, you can use a multi-line.

DDD (Direct Distance Dial) line

or

IDDD (International Direct Distance Dial) line if you communicate overseas

NOTE

Canon recommends an individual line following industry standards, i.e., 2500 (touch-tone) or 500 (rotary/pulse dial) telephones. A dedicated extension off a PBX (Private Branch eXchange) unit without "Call Waiting" can be used with your facsimile unit. Key telephone systems are not recommended because they send nonstandard signals to individual telephones for ringing and special codes, which may cause a facsimile error.

C. Power Requirements

The power outlet should be a three-prong grounded receptacle (Single or Duplex). It should be independent from copiers, heaters, air conditioners, or any electric equipment that is thermostatically controlled. The rated value is 115 volts and 15 amperes. The CA11A modular jack should be relatively close to the power outlet to facilitate installation.

Notice

- This product meets the applicable Industry Canada technical specifications.
- Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent deterioration of service in some situations.
- The Ringer Equivalence Number is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination of an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five.
- The REN of this product is 1.0.
- Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.
- Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION

Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

NOTE

This equipment complies with the Canadian ICES-003 Class A limits.

Utilisation au Canada

Conditions à Remplir Préalablement à L'installation d'un Télécopieur Canon

NOTE

La fonction de Fax est disponible uniquement lorsqu'une carte FAX est installée.

A. Emplacement

Prévoir une table, un meuble, ou un bureau suffisamment solide et de taille appropriée (voir "Spécifications" pour les indications de poids et

dimensions).

B. Installation téléphonique

1. Une seule ligne téléphonique (tonalités ou impulsions) doit être utilisée. Si le Super G3 2nd Line Fax Board en option est installé, il est possible d'utiliser une ligne téléphonique multiple (tonalités ou impulsions).
2. Il faut commander un jack modulaire CA11A qui sera installé par la compagnie téléphonique. Sans ce jack, la mise en place serait impossible.
3. Si vous vous abonnez à une nouvelle ligne, demandez une ligne d'affaires normale de qualité téléphonique courante ou équivalente. Prenez un abonnement d'une ligne par appareil. Si le Super G3 2nd Line Fax Board en option est installé, il est possible d'utiliser une ligne téléphonique multiple.

Ligne automatique interurbaine

ou

Ligne automatique international
(si vous communiquez avec les pays étrangers)

NOTE

Canon vous conseille d'utiliser une ligne individuelle conforme aux normes industrielles, à savoir: ligne téléphonique 2500 (pour appareil à clavier) ou 500 (pour appareil à cadran/impulsions). Il est également possible de raccorder ce télécopieur à un système téléphonique à pushbouts car la plupart de ces systèmes émettent des signaux d'appel non normalisés ou des codes spéciaux qui risquent de perturber le fonctionnement du télécopieur.

C. Condition d'alimentation

Raccordez le télécopieur à une prise de courant plus terre à trois branches, du type simple ou double, et qui ne sert pas à alimenter un copieur, un appareil de chauffage, un climatiseur ou tout autre appareil électrique à thermostat. L'alimentation doit être de 115 volts et 15 ampères. Pour faciliter l'installation, le jack CA11A doit être assez proche de la prise de courant.

Remarques

- Le présent matériel est conforme aux spécifications techniques applicables d'Industrie Canada.
- Avant d'installer cet appareil, l'utilisateur doit s'assurer qu'il est permis de le connecter à l'équipement de la compagnie de télécommunication locale et doit installer cet appareil en utilisant une méthode de connexion autorisée. Il se peut qu'il faille étendre la circuiterie intérieure de la ligne individuelle d'abonné, qui a été installée par la compagnie, au moyen d'un jeu de connecteurs homologués (rallonge téléphonique).
- L'attention de l'utilisateur est attirée sur le fait que le respect des conditions mentionnées ci-dessus ne

constitue pas une garantie contre les dégradations de qualité du service dans certaines circonstances.

- L'indice d'équivalence de la sonnerie (IES) sert à indiquer le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.
- Le nombre d'équivalents sonnerie (REN) de ce produit est 1.0.
- Les réparations sur un appareil certifié doivent être faites par une société d'entretien canadienne autorisée par le Gouvernement canadien et désignée par le fournisseur. Toute réparation ou modification que pourrait faire l'utilisateur de cet appareil, ou tout mauvais fonctionnement, donne à la compagnie de télécommunication le droit de débrancher l'appareil.
- Pour sa propre protection, l'utilisateur doit s'assurer que les prises de terre de l'appareil d'alimentation, les lignes téléphoniques et les tuyaux métalliques internes, s'il y en a, sont bien connectés entre eux. Cette précaution est particulièrement importante dans les zones rurales.

CAUTION

Au lieu d'essayer de faire ces branchements eux-mêmes, les utilisateurs sont invités à faire appel à un service d'inspection faisant autorité en matière d'électricité ou à un électricien, selon le cas.

NOTE

Respecte les limites de la classe A de la NMB-003 du Canada.

Super G3



Super G3 is a phrase used to describe the new generation of fax machines that use ITU-T V.34 standard 33.6 Kbps* modems. Super G3 High Speed Fax machines allow transmission times of approximately 3 seconds* per page which results in reduced telephone line charges.

* Approximately 3 seconds per page fax transmission time based on CCITT/ITU-T No.1 Chart, (JBIG, Standard Mode) at 33.6 Kbps modem speed. The PSTN (Public Switched Telephone Network) currently supports 28.8 Kbps modem speeds or slower, depending on telephone line conditions.

NOTE

The fax function is available only if the FAX Board is installed.

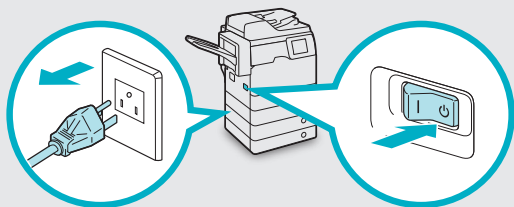
Important Safety Instructions

Please read these "Important Safety Instructions" thoroughly before operating the machine. As these instructions are intended to prevent injury to the user or other persons or destruction of property, always pay attention to these instructions. Also, since it may result in unexpected accidents or injuries, do not perform any operation unless otherwise specified in the manual. Improper operation or use of this machine could result in personal injury and/or damage requiring extensive repair that may not be covered under your Limited Warranty.

Installation

! WARNING

- **Never block the ventilation slots and louvers on the machine.** These openings are provided for proper ventilation of working parts inside the machine. Blocking these openings can cause the machine to overheat. Never place the machine on a soft surface, such as a sofa or rug.
- **Do not install the machine in the following locations:**
 - A damp or dusty location
 - A location near water faucets or water
 - A location exposed to direct sunlight
 - A location subject to high temperatures
 - A location near open flames
- **Do not install the machine near alcohol, paint thinner, or other flammable substances.** If flammable substances come into contact with electrical parts inside the machine, it may result in a fire or electrical shock.
- **Do not place the following items on the machine.** If these items come into contact with a high-voltage area inside the machine, it may result in a fire or electrical shock. If these items are dropped or spilled inside the machine, immediately turn OFF the main power switch, and disconnect the power cord from the power outlet. Then, contact your local authorized Canon dealer.
 - Necklaces and other metal objects
 - Cups, vases, flowerpots, and other containers filled with water or liquids



! CAUTION

Do not install the machine in unstable locations, such as unsteady platforms or inclined floors, or in locations subject to excessive vibrations, as this may cause the machine to fall or tip over, resulting in personal injury.

Power supply

! WARNING

- **Do not damage or modify the power cord.** Also, do not place heavy objects on the power cord, or pull on or excessively bend it, as this could cause electrical damage and result in a fire or electrical shock.
- **Keep the power cord away from a heat source;** failure to do this may cause the power cord coating to melt, resulting in a fire or electrical shock.
- **Do not connect or disconnect the power cord with wet hands,** as this may result in electrical shock.
- **Do not connect the power cord to a multiplug power strip,** as this may cause a fire or electrical shock.
- **Do not bundle up or tie the power cord in a knot,** as this may result in a fire or electrical shock.
- **Insert the power plug completely into the power outlet,** as failure to do so may result in a fire or electrical shock.
- **Do not use power cords other than the power cord provided,** as this may result in a fire or electrical shock.
- **As a general rule, do not use extension cords.** Using an extension cord may result in a fire or electrical shock.
- **Do not use power supplies with voltages other than those specified herein,** as this may result in a fire or electrical shock.

- Always grasp the power plug when disconnecting the power cord. Pulling on the power cord may expose or snap the core wire, or otherwise damage the power cord. If the power cord is damaged, this could cause current to leak, resulting in a fire or electrical shock.



IMPORTANT

Leave sufficient space around the power plug so that it can be unplugged easily. If objects are placed around the power plug, you will be unable to unplug it in an emergency.

Handling



WARNING

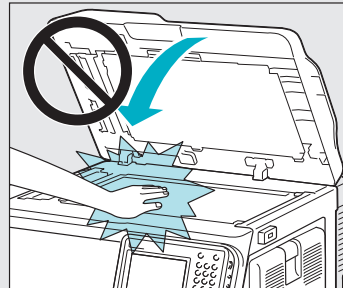
- Do not attempt to disassemble or modify the machine. There are high-temperature and high-voltage components inside the machine which may result in a fire or electrical shock.
- If the machine makes strange noises, or gives off smoke, heat, or strange smells, immediately turn OFF the main power switch, and disconnect the power cord from the power outlet. Then, contact your local authorized Canon dealer. Continued use of the machine in this condition may result in a fire or electrical shock.
- Do not use highly flammable sprays near the machine. If gas from these sprays comes into contact with the electrical components inside the machine, it may result in a fire or electrical shock.
- To avoid damage to the power cord and creating a fire hazard, always turn OFF the main power switch, and unplug the interface cable when moving the machine. Otherwise, the power cord or interface cable may be damaged, resulting in a fire or electrical shock.
- Make sure that the power plug is firmly inserted into the power outlet if the machine was moved. Do not use the machine while the connection is loose, as doing so may cause a fire.
- Do not drop paper clips, staples, or other metal objects inside the machine. Also, do not spill water, liquids, or flammable substances (alcohol, benzene, paint thinner, etc.) inside the machine. If these items come into contact with a high-voltage area inside the machine, it may result in a fire or electrical shock. If these items are dropped or spilled inside the machine, immediately turn OFF the main power switch, and disconnect the power cord from the power outlet. Then, contact your local authorized Canon dealer.

- Do not use the product for uses other than as a color digital multitasking machine.

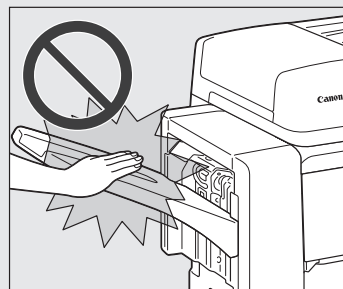


CAUTION

- Do not place heavy objects on the machine, as they may tip over or fall resulting in personal injury.
- Close the feeder gently to avoid catching your hands, as this may result in personal injury.



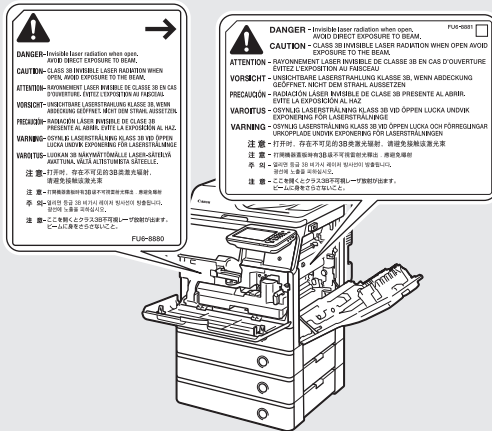
- Do not press down hard on the feeder when using the platen glass to make copies of thick books. Doing so may damage the platen glass and result in personal injury.
- Do not touch the finisher while the machine is printing, as this may result in personal injury.
- Paper that has just been output from the machine may be hot. Be careful when removing or aligning paper from the output tray. Touching paper right after it is output may result in low-temperature burns.
- Do not place your hands, hair, clothing, etc., near the exit and feed rollers. Even if the machine is not in operation, your hands, hair, or clothing may get caught in the rollers, which may result in personal injury or damage if the machine suddenly starts printing.
- Do not place your hands in the part of the tray where stapling is performed (near the rollers) when a finisher is attached, as this may result in personal injury.



Staple Finisher-R1


- Do not insert your hand into the machine while the paper drawer is removed, as this may result in personal injury.

- The laser beam can be harmful to human bodies. Since radiation emitted inside the product is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation. Read the following remarks and instructions for safety.
- Never open covers other than those instructed in the manuals for this machine.
- Do not remove the following caution label which is attached to the machine. If the label has been removed, contact your local authorized Canon dealer.



- If the laser beam escapes from the machine, exposure may cause serious damage to your eyes.
- Controlling, adjusting, or operating the machine in ways not mentioned in the manuals for this machine may cause dangerous radiation to escape from the machine.

IMPORTANT

Press  (Energy Saver) for safety when the machine will not be used for a long period of time, such as overnight. Also, turn OFF the main power switch, and disconnect the power cord for safety when the machine will not be used for an extended period of time, such as during consecutive holidays.

Maintenance and Inspections

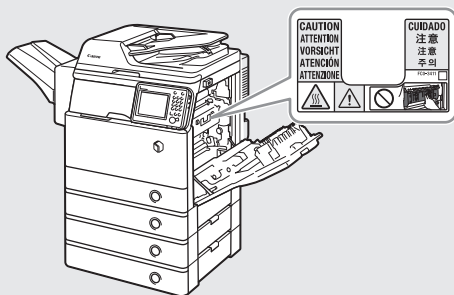
WARNING

- When cleaning the machine, first turn OFF the main power switch, then disconnect the power cord. Failure to observe these steps may result in a fire or electrical shock.
- Disconnect the power cord from the power outlet regularly, and clean the area around the base of the power plug's metal pins and the power outlet with a dry cloth to ensure that all dust and grime is removed. If the power cord is connected for a long period of time in a damp, dusty, or smoky location, dust can build up around the power plug and become damp. This may cause a short circuit and result in a fire.
- Clean the machine using a slightly dampened cloth with a mild detergent mixed with water. Do not use alcohol, benzene, paint thinner, or other flammable substances. Check detergent for flammability prior to use. If flammable substances come into contact with a high-voltage area inside the machine, it may result in a fire or electrical shock.
- There are some areas inside the machine which are subject to high-voltages. When removing jammed paper or when inspecting the inside of the machine, do not allow necklaces, bracelets, or other metal objects to touch the inside of the machine, as this may result in burns or electrical shock.
- Do not burn or throw used toner cartridges into open flames, as this may cause the toner remaining inside the cartridges to ignite, resulting in burns or a fire.
- Make sure that the power plug is firmly inserted into the power outlet after cleaning the machine. Do not use the machine while the connection is loose, as doing so may cause a fire.
- Check the power cord and power plug regularly. If the following conditions occur, contact your local authorized Canon dealer, as the condition may cause a fire:
 - There are burn marks on the power plug.
 - The blade on the power plug is deformed or broken.
 - The power goes OFF and ON when the power cord is bent.
 - There are cuts, cracks, or indentations on the power cord.
 - A part of the power cord becomes hot.
- Check the power cord and power plug regularly to make sure that they are not handled in the following manner, as this may result in a fire or electrical shock:

- The connection part of the power plug is loose.
- Stress is being applied to the power cord by a heavy object or by affixing it with staples.
- The power plug is loose.
- The power cord is tied in a bundle.
- The power cord protrudes into a walkway.
- The power cord is in front of a heater.

CAUTION

- The fixing unit and its surroundings inside the machine may become hot during use. When removing jammed paper or when inspecting the inside of the machine, do not touch the fixing unit and its surroundings, as doing so may result in burns or electrical shock.



- When removing jammed paper or when inspecting the inside of the machine, do not expose yourself to the heat emitted from the fixing unit and its surroundings for a prolonged period of time. Doing so may result in low temperature burns, even though you did not touch the fixing unit and its surroundings directly.
- If a paper jam occurs, follow the directions on the touch panel display to remove any jammed paper from inside the machine. Do not insert your fingers into any parts not indicated on the touch panel display, as doing so may result in personal injury or burns.
- When removing jammed paper or replacing the toner cartridge, take care not to allow the toner to come into contact with your hands or clothing, as this will dirty your hands or clothing. If they become dirty, wash them immediately with cold water. Washing them with warm water will set the toner, and make it impossible to remove the toner stains.

- When removing paper which has become jammed inside the machine, remove the jammed paper gently to prevent the toner on the paper from scattering and getting into your eyes or mouth. If the toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- When removing jammed originals or paper which has become jammed inside the machine, take care not to cut your hands or injure yourself on the edges of the originals or paper. If you cannot remove the paper, contact your local authorized Canon dealer.
- When removing a used toner cartridge, remove the cartridge carefully to prevent the toner from scattering and getting into your eyes or mouth. If the toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- Do not dismantle the toner cartridge, as doing so may cause toner to fly out and enter your eyes or mouth. If toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- If toner escapes from the toner cartridge, make sure not to ingest the toner or allow it to directly touch your skin. If toner touches your skin, wash it away with soap and water. If your skin still feels irritated after washing it, or you ingest toner, consult a doctor immediately.

Consumables

WARNING

- Do not burn or throw used toner cartridges into open flames, as this may cause the toner remaining inside the cartridges to ignite, resulting in burns or a fire.
- Do not store toner cartridges or copy paper in places exposed to open flames, as this may cause the toner or paper to ignite, resulting in burns or a fire.
- If you accidentally spill or scatter toner, carefully gather the toner particles together or wipe them up with a soft, damp cloth in a way that prevents inhalation. Never use a vacuum cleaner that does not have safeguards against dust explosions to clean up spilled toner. Doing so may cause a malfunction in the vacuum cleaner, or result in a dust explosion due to static discharge.

CAUTION

- Keep toner and other consumables out of the reach of small children. If these items are ingested, consult a physician immediately.
- Do not dismantle the toner cartridge, as doing so may cause toner to fly out and enter your eyes or mouth. If toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- If toner escapes from the toner cartridge, make sure not to ingest the toner or allow it to directly touch your skin. If toner touches your skin, wash it away with soap and water. If your skin still feels irritated after washing it, or you ingest toner, consult a doctor immediately.
- When discarding used toner cartridges, put the cartridges into a bag to prevent the toner remaining inside the cartridges from scattering, and dispose of them in a location away from open flames.

Telephone Equipment

WARNING

When using telephone equipment incorporated into this machine, basic safety precautions should always be followed to reduce the risk of fire, electrical shock, or injury to persons, including the following:

1. Do not use this machine where there is a potential for contact with water or other liquid.
2. Do not use the telephone equipment during an electrical storm, as there may be a remote risk of electrical shock from lightning.
3. Do not use the telephone equipment to report a gas leak in the vicinity of the leak.

Other Warnings

WARNING

For cardiac pacemaker users:

This product emits low level magnetic flux. If you use a cardiac pacemaker and feel abnormalities, please move away from the product and consult your doctor.

CANON imageRUNNER ADVANCE 500/400 SERIES LIMITED WARRANTY

Canon U.S.A., Inc. or Canon Canada Inc. (as applicable, "Canon") warrants the imageRUNNER ADVANCE 500/400 Series product and Canon brand options designed for use with the imageRUNNER ADVANCE product (collectively the "Product") to be free from defects in workmanship and materials under normal use and service for a period of 90 days after delivery to the original purchaser ("Purchaser") or 100,000 prints or copies (or a combination of both), whichever comes first. During such warranty period, Canon shall replace, without charge, any defective part with a new or comparable rebuilt part. This warranty shall not extend to consumables such as paper, chemicals, and toner as to which there shall be no warranty or replacement. Warranty replacement shall not extend the original warranty period of the Product.

This limited warranty shall only apply if the Product is used in conjunction with compatible computers, peripheral equipment and software. Canon shall have no responsibility for such items except for compatible Canon brand peripheral equipment covered by a separate warranty ("Separate Warranty"). Repairs of such Canon brand peripheral equipment shall be governed by the terms of the Separate Warranty. Non-Canon brand equipment that may be distributed with the Product is sold "AS IS" and without warranty of any kind by Canon, including any implied warranty regarding merchantability or fitness for a particular purpose, and all such warranties are disclaimed. The sole warranty, if any, with respect to such non-Canon brand items is given by the supplier or producer thereof. For further information on software, see below.

This warranty shall be void and of no force and effect if the Product is damaged as a result of (a) abuse, neglect, mishandling, alteration, electric current fluctuation or accident, (b) improper use, including failure to follow operating or maintenance instructions or environmental conditions prescribed in Canon's operator's manual or other documentation, (c) installation or repair by other than authorized service representatives qualified by Canon who are acting in accordance with Canon's service bulletins, (d) use of supplies or parts (other than those distributed by Canon) which damage the Product or cause abnormally frequent service calls or service problems, or (e) use of the Product with non-compatible computers, peripheral equipment or software, including the use of the Product in any system configuration not recommended in any manual distributed with the Product. Nor does this warranty extend to any Product on which the original identification marks or serial numbers have been defaced, removed, or altered.

ANY SOFTWARE THAT IS DISTRIBUTED WITH THE PRODUCT AND HAS AN ASSOCIATED END USER AGREEMENT IS LICENSED, WARRANTED AND PROVIDED ACCORDING TO THE TERMS OF THAT AGREEMENT, INCLUDING ANY LIMITATIONS AND DISCLAIMERS THEREIN. SUCH SOFTWARE IS SOLD WITHOUT WARRANTY OF ANY KIND BY CANON. PLEASE CONTACT CANON IMMEDIATELY IF YOU HAVE NOT RECEIVED A COPY OF THE SOFTWARE SUPPLIER'S END USER AGREEMENT. CANON RECOMMENDS THAT DATA STORED ON THE PRODUCT'S HARD DISK DRIVE BE DUPLICATED OR BACKED UP TO PREVENT ITS LOSS IN THE EVENT OF FAILURE OR OTHER MALFUNCTION OF THE HARD DISK DRIVE.

THE ABOVE WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES AND CONDITIONS REGARDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, RELATING TO THE USE OR PERFORMANCE OF A PRODUCT OR ANY ASSOCIATED COMPONENT, AND ALL SUCH OTHER WARRANTIES AND CONDITIONS ARE DISCLAIMED. NO OTHER EXPRESS WARRANTY, CONDITION OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THE PRODUCT SHALL BIND CANON ANY SUPPLIER OR ANY AUTHORIZED SERVICE PROVIDER. NO WARRANTY IS GIVEN ON ANY USED PRODUCT.

NEITHER CANON OR ITS SUPPLIERS NOR ANY AUTHORIZED SERVICE PROVIDER SHALL BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE (UNLESS CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY AUTHORIZED SERVICE PROVIDER), LOSS OF REVENUE OR PROFIT, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, EXPENDITURES FOR SUBSTITUTE EQUIPMENT OR SERVICES, LOSS OR CORRUPTION OF DATA, INCLUDING, WITHOUT LIMITATION, DATA STORED ON THE PRODUCT'S HARD DISK DRIVE, STORAGE CHARGES OR OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED AND EVEN IF CANON OR ITS SUPPLIERS OR ANY AUTHORIZED SERVICE PROVIDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST CANON OR ITS SUPPLIERS OR ANY AUTHORIZED SERVICE PROVIDER BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, THE PURCHASER ASSUMES ALL RISKS AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PERSONS AND PROPERTY OF THE PURCHASER OR OTHERS ARISING OUT OF THE POSSESSION, USE, MISUSE, OR INABILITY TO USE THE PRODUCT NOT CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY AUTHORIZED SERVICE PROVIDER. THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF

THE PRODUCT AND STATES SUCH PURCHASER'S EXCLUSIVE REMEDY.

CONDITIONS OF WARRANTY

Defective parts must be returned to Canon or an Authorized Service Provider with all necessary documentation and will become the property of Canon.

THIS WARRANTY APPLIES TO PRODUCTS SOLD AND USED IN THE U.S.A. AND CANADA ONLY.

TERMS OF imageWARE REMOTE SERVICE

If your Canon Office Imaging Product ("Product") is enabled with embedded functions for the imageWARE Remote Diagnostic Service ("IWR"), or your Product is not IWR enabled but it interacts with the IWR Plug-in program of imageWARE Enterprise Management Console ("EMC") software, then Canon USA, Canon Canada or their respective authorized independent Canon retail dealers can access Product meter readings and receive notifications of certain service errors automatically via the internet. You can read more about IWR in Canon published materials available from your dealer or on the web sites of Canon USA [www.usa.canon.com] or Canon Canada [www.canon.ca]. IWR will only collect and transmit Product specific meter readings and service data, and will not access, collect or transmit End-User image data in the Product.

Your instruction to Canon USA, Canon Canada or your dealer to activate IWR for a Product shall be considered (i) a representation that you have an internal IP network and internet access available on a generally continuous basis; (ii) authorization by you to establish, and perform during the period of IWR activation, HTTPS communications using your network bandwidth for transmissions over the internet of use and service data accumulated by the Product, and (iii) authorization by you to store, analyze and use this data for purposes related to servicing the Product and for Product and IWR improvement.

By so instructing Canon USA, Canon Canada or your dealer, you shall also be considered to acknowledge that (A) the IWR software (embedded or plug-in) is the confidential property of Canon USA and its licensor; (B) you have no rights in such IWR software (except as the Product executes the limited data collection and transmission functions for which it is configured when delivered and you obtain the benefits of IWR as outlined in Canon published materials), (C) you shall not disassemble, decompile, reverse engineer, disclose or attempt to copy such IWR software, allow any third party to do any of the foregoing or transfer your limited rights to any other party without the prior written approval of Canon USA or Canon Canada; and (D) there are many factors outside of the control of Canon USA, Canon Canada or their respective dealers that could affect the accuracy or timing of meter readings or service data harvested by IWR and, except as expressly provided in the limited warranty statement for the Product or the End-User License Agreement for EMC software, in the case of the IWR Plug-in program, neither Canon USA, Canon Canada nor their respective dealers shall be responsible for alleged deficiencies in, or your dissatisfaction with, IWR or any software used to provide IWR. A copy of the limited warranty statement can be found within this Operator's Manual.

If your dealer ceases to be an authorized Canon USA dealer, it will no longer have access to the use and service data accumulated by IWR for your Product. In that case, you may request or instruct Canon USA to recommend to you an alternative service provider who will have access to this data in order to maintain Product service utilizing IWR functionality.

TERMS OF Content Delivery System

If the Content Delivery System (CDS) Service is enabled for your Canon Office Imaging Product ("Product"), Canon USA, Canon Canada or their respective authorized independent Canon retail dealers (each a "Canon Seller") can arrange internet-based downloads for purposes of updating firmware, delivering purchased MEAP application software and activation of optional Product features. Certain related data files also may be downloaded (e.g. End-User License Agreements, conditions of export, Release Notes) to your Product. The internet communications will occur between the Product and one or more servers managed by Canon Inc. ("Canon Server"). CDS Service will not download the firmware, software or data files for purposes other than mentioned above.

You can read more about CDS Service in Canon published materials available from your dealer or on the web sites of Canon USA [www.usa.canon.com] or Canon Canada [www.canon.ca]. These materials include a Technology White Paper for the CDS Service.

Your instruction to Canon USA, Canon Canada or your dealer to use CDS Service or your use of CDS Service for a Product shall be considered

- (i) a representation that you have an internal IP network and internet access available to Products connected to that network on a generally continuous basis;
- (ii) a representation that you have an internet connection and internal network bandwidth available for the Canon Server to download files to each of the Products receiving the CDS Service. Downloaded files may vary in size; some will be on the order of several hundred MB. The CDS Service Technology White Paper contains further details.
- (iii) authorization by you for the Canon Seller to establish, and perform during the period of provision of Service, HTTPS/HTTP communications using your internet and internal network bandwidth for transmissions to and from the CDS Server;
- (iv) authorization by you for the Product itself or a Canon serviceperson to download or update firmware and purchased MEAP application software, data for internet-based activation of optional Product features and certain related data files to Product from the CDS Server, and to transmit service data (e.g. serial number, information of firmware) of Product to the CDS Server.

You acknowledge and agree that the Canon Seller and CDS Server may rely on internet addresses you assign to Products and that using the internet has benefits but also certain risks; ACCORDINGLY, YOU AGREE THAT THE CDS SERVICE IS PROVIDED WITHOUT WARRANTY OF ANY KIND, THAT ANY WARRANTIES ARE DISCLAIMED AND THAT NO CANON SELLER OR CANON AFFILIATE IS RESPONSIBLE FOR ANY INJURY TO YOUR NETWORK OR TO DATA OR DEVICES NOT SUPPLIED BY A CANON SELLER. You will be responsible for network security and any data back-up. You will timely advise the Canon Seller of any security procedures the Canon Seller will need to use to provide CDS Services as described herein.

To the extent downloads involve presenting end user license terms on your network or network-connected Products (with a Canon Seller, Canon affiliate or a third party as licensor) seeking agreement to such terms, any party that you allow to respond to presented license terms will be and is authorized by you to agree (or not agree) to the terms; if license terms are not agreed, a license purchased will not be enabled and you may apply for refund of any license fees paid.

You acknowledge and agree that the firmware provided by the CDS Service is governed by the Third Party Software terms set forth in this manual.



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