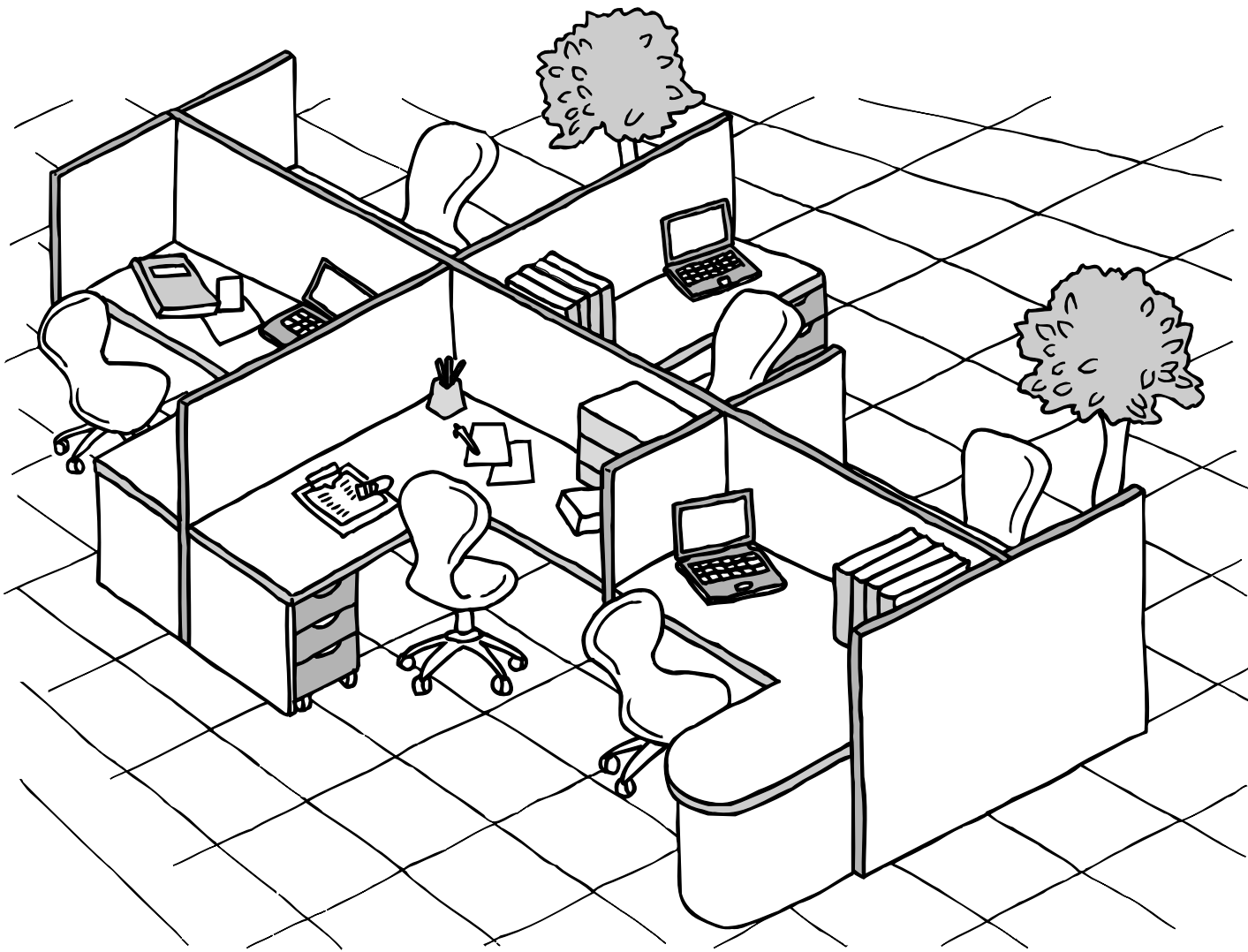


Panasonic®

Digital Imaging System Operating Instructions (For Copy Function)

Model No. DP-1515P



Before Starting

Making Copies

Function

Problem Solving

Appendix

WORKIO™

Before operating this equipment, please read these instructions completely and keep this operating instructions for future reference.

English

Before Starting

Table of Contents

Before Starting

Safety Information.....	3
Precautions.....	6
Control Panel.....	8

Making Copies

Basic Copies	■ Copying with the Same Size Original (1:1)	10
	■ Reduction/Enlargement	
	Copying with Preset or Variable Zoom Ratios	12
Creative Features	■ Sort.....	14
	■ Skyshot	16
	■ Job Build and SADF	17
Other Feature	■ Energy Saver (Power Saver Mode, Sleep/Shutdown Mode)	18

Function

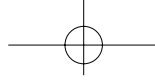
	■ Using Function Modes to Change the Initial Machine Modes	19
	■ Procedure	19
	■ General Settings	20
	■ General Settings (For Key Operator)	20
	■ Copier Settings.....	21
	■ Copier Settings (For Key Operator)	21
For Example	■ Changing the Paper Size (Paper Tray)	22

Problem Solving

Troubleshooting	24	
	■ User Error Codes (U Code)	25
	■ Jam Error Codes (J Code)	25
Maintenance	■ Adding Paper	
	● Paper Tray	26
	● Sheet Bypass	27
	■ Replacing Toner Bottle/Toner Waste Container	28
	■ Removing Misfed Paper (Paper Exit Area) (J46)	30
	■ Removing Misfed Paper (Paper Transport/Fusing Area) (J01, J30, J31, J33, J45, J48, J95)	31
	■ Removing Misfed Paper (Optional ADF: J70, J71, J79, J92, J93)	32
Machine Care	33	

Appendix

Specifications	■ Main Unit	34
	■ Printer Unit (Standard)	35
	■ ADF (Option)	35





Safety Information

For Your Safety




To prevent severe injury and loss of life, read this section carefully before using the Panasonic DP-1515P to ensure proper and safe operation of your machine.



■ This section explains the Warnings and Cautions used in this Operating Instructions manual.

 **WARNING** Denotes a potential hazard that could result in serious injury or death.

 **CAUTION** Denotes hazards that could result in minor injury or damage to the machine.


■ This section also explains the graphic symbols used in this Operating Instructions manual.


   These symbols are used to alert operators to a specific operating procedure that must not be performed.


  These symbols are used to alert operators to a specific operating procedure that must be emphasized in order to operate the machine safely.


WARNING


Power and Ground Connection Cautions


 Ensure that the plug connection is free of dust. In a damp environment, a contaminated connector can draw a significant amount of current that can generate heat and eventually cause fire if left unattended over an extended period of time.


 Always use the power cord provided with your machine. When an extension power cord is required, always use a properly rated cord.
● 220-240 V AC / 6.5 A
If you use a cord with an unspecified current rating, the machine or plug may emit smoke or become hot to the touch.


 Do not attempt to repair, pull, bend, chafe or otherwise damage the power cord. Do not place a heavy object on the cord. A damaged cord can cause fire or electric shocks.


 Never touch a power cord with wet hands. Danger of electric shock exists.


 If the power cord is damaged or insulated wires are exposed, contact the authorized Panasonic dealer for a replacement. Using a damaged cord can cause fire or electric shocks.


 When disconnecting the machine, grasp the plug instead of the cord. Pulling on a cord forcibly can damage it and cause fire or electric shock.

 Stop operation immediately if your machine emits smoke, excessive heat, unusual noise, or abnormal smell, or if water is spilt onto the machine. These conditions can cause fire. Immediately switch Off and unplug the machine, and contact the authorized Panasonic dealer.

 Do not disconnect or reconnect the machine while the power switch is in the On position. Disconnecting a live connector can cause arcing, consequently deforming the plug and cause fire.

 When the machine is not used over an extended period of time, switch it Off and unplug it. If an unused machine is left connected to a power source for a long period, degraded insulation can cause electric shocks, current leakage or fire.





 Be sure to switch Off and unplug the machine before accessing the interior of the machine for cleaning, maintenance or fault clearance. Access to a live machine's interior can cause electric shock.


 Once a month, unplug the machine and check the power cord for the following. If you notice any unusual condition, contact the authorized Panasonic dealer.
● The power cord is plugged firmly into the receptacle.
● The plug is not excessively heated, rusted, or bent.
● The plug and receptacle are free of dust.
● The cord is not cracked or frayed.


Before Starting

Safety Information


Operating Safeguards

-  Do not touch areas where these caution labels are attached to, the surface may be very hot and may cause severe burns.
-  Do not place any liquid container such as a vase or coffee cup on the machine. Spilt water can cause fire or shock hazard.
-  Do not place any metal parts such as staples or clips on the machine. If metal and flammable parts get into the machine, they can short-circuit internal components, and cause fire or electric shocks.
-  If debris (metal or liquid) gets into the machine, switch Off and unplug the machine immediately. Contact the authorized Panasonic dealer. Operating a debris-contaminated machine can cause fire or electric shock.

 Never open or remove machine covers that are secured with screws unless specifically instructed in the "Operating Instructions". A high-voltage component can cause electric shocks.

 Do not try to alter the machine configuration or modify any parts. An unauthorized modification can cause smoke or fire.

Consumable Safeguards






 Never dispose of toner, toner cartridge or a toner waste container into an open flame. Toner remaining in the cartridge can cause an explosion, burns and/or injuries.






CAUTION

Installation and Relocation

Cautions

-  Do not place the machine near heaters or volatile, flammable, or combustible materials such as curtains that may catch fire.
-  Do not place the machine in a hot, humid, dusty or poorly ventilated environment. Prolonged exposure to these adverse conditions can cause fire or electric shocks.
-  Place the machine on a level and sturdy surface that can withstand a weight of the machine. (The machine weight without optional unit : 43.6 kg) If tilted, the machine may tip-over and cause injuries.
-  When relocating the machine, contact the authorized Panasonic dealer.
-  When moving the machine, be sure to unplug the power cord from the outlet. If the machine is moved with the power cord attached, it can cause damage to the cord which could result in fire or electric shock.

Operating Safeguards

-  Do not place a magnet near the safety switch of the machine. A magnet can activate the machine accidentally, resulting in injuries.
-  Do not use a highly flammable spray or solvent near the machine. It can cause fire.
-  When copying a thick document, do not use excessive force to press it against the platen glass. The glass may break and cause injuries.



This symbol is used to alert operators to a heated surface that may cause burns and requires close attention.



Never touch a labelled area. You can get burnt. If a sheet of paper is wrapped around the heat roller, do not try to remove it yourself to avoid injuries or burns. Switch Off the machine immediately, and contact the authorized Panasonic dealer.



Do not use conductive paper, ex: folding paper, carbon paper and coated paper. When a misfed paper occurs, they can cause a short circuit and fire.



Do not place any heavy object on the machine. An off-balance machine can tip-over or the heavy object can fall, causing damage and/or injuries.



Keep the room ventilated when using the machine for an extended period of time to minimize the ozone density in the air.



When copying with the ADF open, do not look directly at the exposure lamp. Direct eye exposure can cause eye fatigue or eye injury.



When removing misfed paper, make sure that no pieces of torn paper are left in the machine. A piece of paper remaining in the machine can cause fire. If a sheet of paper is wrapped around the heat roller or when clearing a misfed paper that is difficult or impossible to see, do not try to remove it by yourself. Doing so can cause injuries or burns. Switch Off the machine immediately, and contact the authorized Panasonic dealer.

Consumable Safeguards



Be sure to use the specified type of batteries only.



Ensure that batteries are installed with correct polarity. Incorrectly installed batteries can burst or leak, resulting in spillage or injuries.

Others

- The machine has a built-in circuit for protection against lightning-induced surge current. If lightning strikes in your neighborhood, switch Off the machine. Disconnect the power cord from the machine and reconnect only when the lightning has stopped.

Others

- If you notice flickering or distorted images or noises on your audio-visual units, your machine may be causing radio interference. Switch it Off and if the interference disappears, the machine is the cause of the radio interference. Perform the following procedure until the interference is corrected.
 - Move the machine and the TV and/or radio away from each other.
 - Reposition or reorient the machine and the TV and/or radio.
 - Unplug the machine, TV and/or radio, and replug them into outlets operating on different circuits.
 - Reorient the TV and/or radio antennas and cables until the interference stops. For an outdoor antenna, ask your local electrician for support.
 - Use a coaxial cable antenna.

Before Starting

Precautions

■ Laser Safety

LASER SAFETY

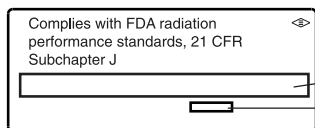
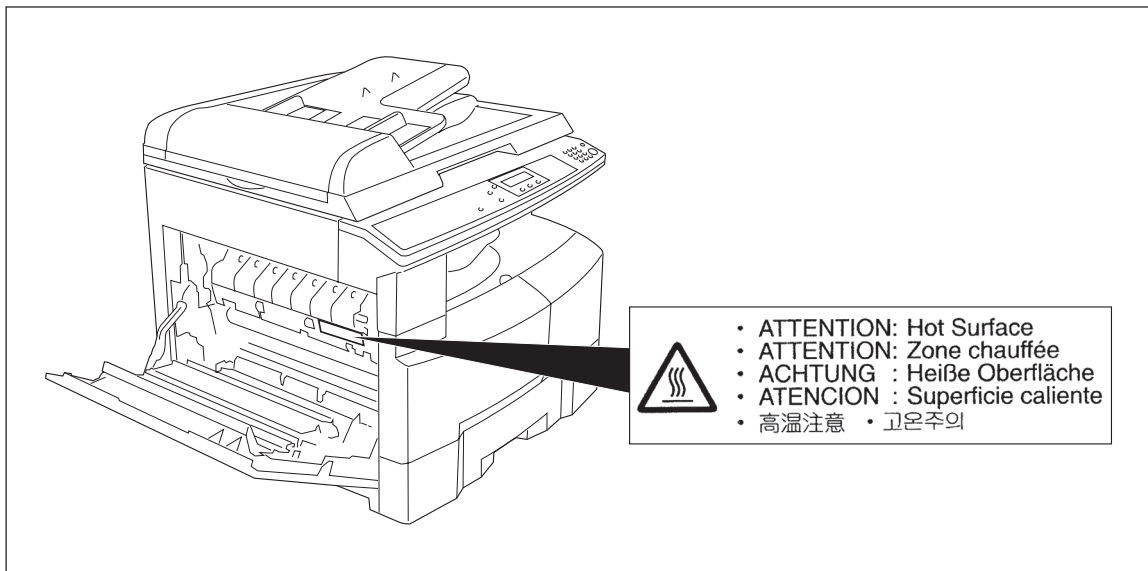
This unit employs a laser. Only qualified service personnel should attempt to service this device due to possible eye injury.

CAUTION:

USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.



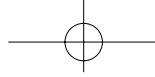
■ Caution Label



Manufacturer's Name and Address

Factory ID

(Rear Cover of the Machine)



Installation

- The maximum power consumption is 1.3 kW.
A properly wired (grounded), dedicated, 6.5 A, 220-240 V AC outlet is required. Do not use an extension cord. The power cord on this machine must be used to disconnect the main power.
Please ensure that the machine is installed near a wall outlet and is easily accessible.

Caution Note: Unplug the power cord from the wall outlet before removing covers.

- The machine should not be installed in areas with the following conditions:
 - Extremely high or low temperature and humidity.
Ambient conditions Temperature: 10-30 °C
Relative humidity: 30-80 %
 - In areas with chemical fume concentration.
 - With unstable or uneven conditions (floors, etc.).
 - Direct exposure to sunlight.
 - In areas of high dust concentration.
 - Directly in the air conditioning flow.
 - In areas of poor ventilation.
 - In areas with extreme vibration.

Supplies

- Store the toner and paper in a cool area with low humidity.
- Use of other than genuine Panasonic supplies can damage the printer. This may void the warranty of the printer and supplies. Be sure to use only genuine Panasonic Toner designed for the machine.
- Dispose of Toner Cartridge and OPC Drum Unit(s) according to your local regulations.

Illegal Copies

It is unlawful to make copies of certain documents.

Copying certain documents may be illegal in your country. Penalties of fines and/or imprisonment may be imposed on those found guilty. The following are examples of items that may be illegal to copy in your country.

- Currency
- Bank notes and checks
- Bank and government bonds and securities
- Passports and identification cards
- Copyright material or trademarks without the consent of the owner
- Postage stamps and other negotiable instruments

This list is not inclusive and no liability is assumed for either its completeness or accuracy. In case of doubt, contact your legal counsel.

Notice:

Install your machine near a supervised area to prevent illegal copies from being made.

Handling

- Dept. (Department) Code
When the Department Counter function is set up, the Dept. (Department) Code input screen is displayed on the LCD. A registered Department Code (1 to 8 digits) is required to gain access to each secured function, or the secured Copy function cannot be used. Please consult with the Key Operator regarding the Department Code(s) for the desired function.

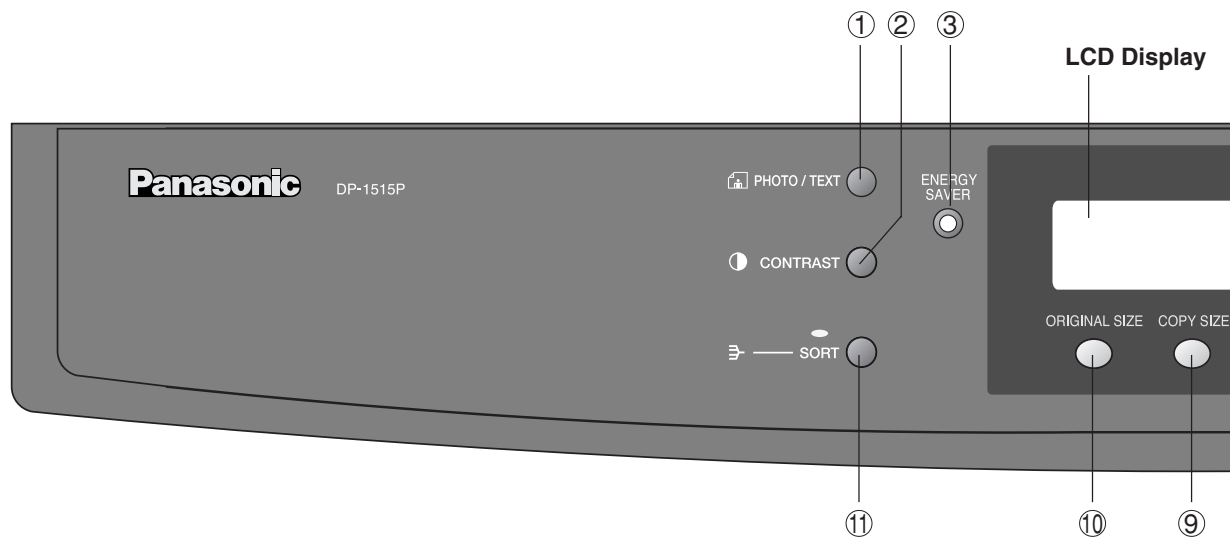
How to enter the Dept. Code :

- ① Input a registered department code (1 to 8 digits).
- ② Press the **START** key.

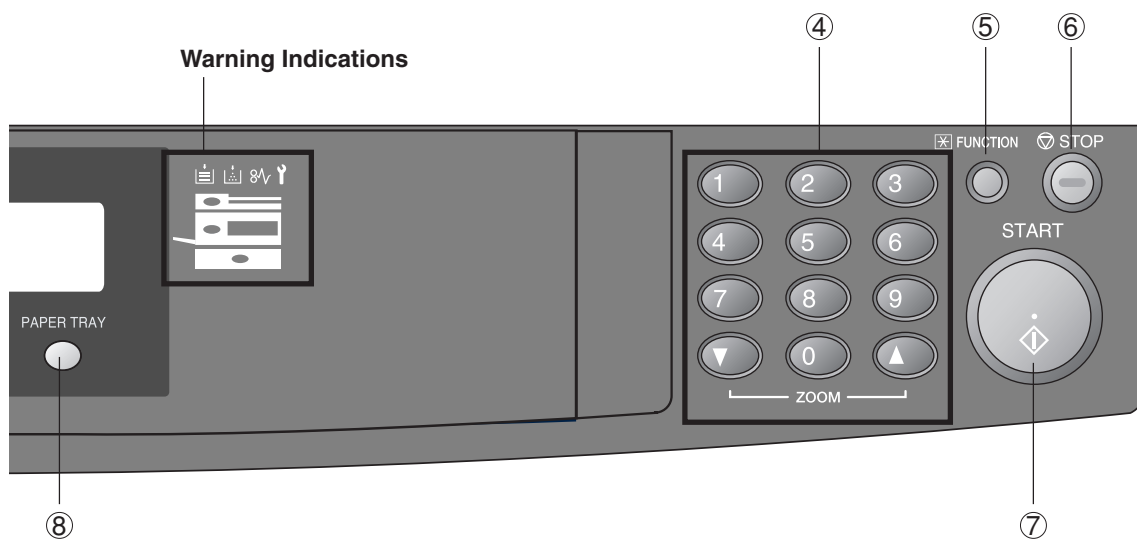
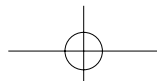
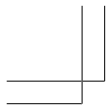
- Maximum Copies Limitation
After setting the maximum allowed number of copies for each department, consult with your Key Operator when the total copy count reaches the designated limit and the message appears on the LCD.

Before Starting

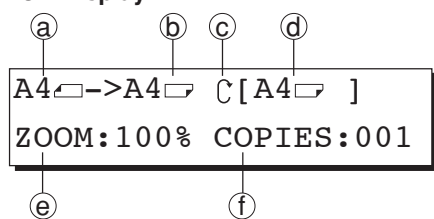
Control Panel



No.	Icon	Contents	No.	Icon	Contents
①		Original Mode Select Key Selects original mode. (See pages 10)	⑥		STOP Key Stops the copy run, clears copy settings, exits function setting mode or resets all features to the initial power-on state.
②		CONTRAST Key To adjust scanning contrast. (See page 10)	⑦		START Key Starts the copy job or sets the parameter(s) of Function settings.
③		Energy Saver Key Saves power while the machine is not in use. (See page 18)	⑧		PAPER TRAY Key Selects the paper tray.
④		Keypad Sets copy quantities, inputs the parameter(s) of Function settings or zoom ratio.	⑨		COPY SIZE Key To select a copy size.
⑤		FUNCTION Key Use when changing the paper size, initial function values (default values) and key operator settings.	⑩		ORIGINAL SIZE Key To select an original size.
			⑪		SORT Key Selects Electric Sort mode. (See pages 14-15)

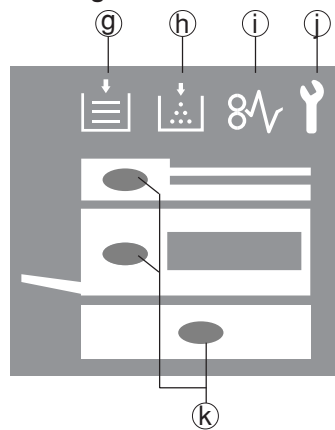


LCD Display

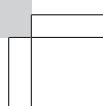
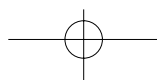
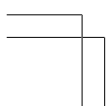
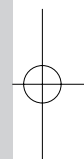
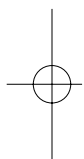


- ① Original Size
- ② Copy Size
- ③ Rotating Paper Size
- ④ Paper Size in Paper Tray
- ⑤ Zoom Ratio
- ⑥ Number of Copies

Warning Indications



- ⑦ Add Paper (See pages 26-27)
- ⑧ Replace Toner Bottle (See pages 28-29)
- ⑨ Removing misfed paper (See pages 30-32)
- ⑩ Call Service
- ⑪ Jam position (ADF/Main Unit/PaperTray area)

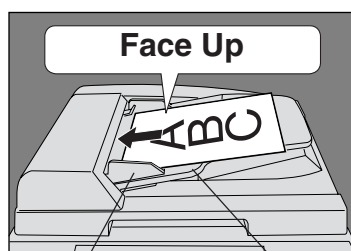


Making Copies

Basic Copies

■ Copying with the Same Size Original (1:1)

1 Place the Original(s).

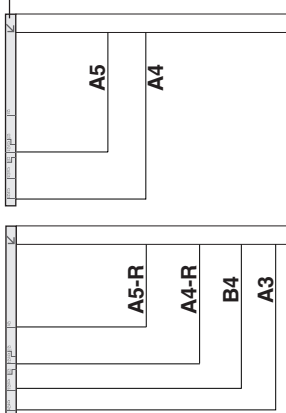


Original Guides Adjust to the original's width

Tray (Max. 50 A4 size originals)

- Hold the Guide by the center when adjusting the width.

Original Guides

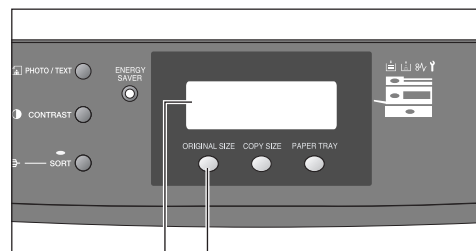


Face Down

- If the original is not positioned properly a portion of the original may not be copied.

- For originals smaller than A5 size, position the original within the A5 area and select A5.

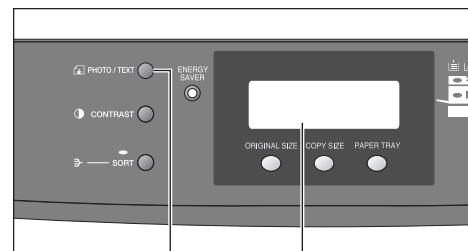
2 Select Original Size with the ORIGINAL SIZE key. (From Platen only)



ORIGINAL SIZE key

A3 ▢ B4 ▢ A4 ▢ A4 ▢ A5 ▢ A5 ▢
(A4-R) (A5-R)

3 Select Original Mode with the Original Mode Select key.

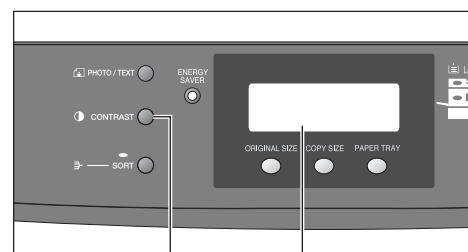


Original Mode Select key

TEXT/PHOTO ▸ PHOTO ▸ TEXT

TEXT/PHOTO : Text and Photo combined
PHOTO : Mainly Photo
TEXT : Mainly Text

4 Adjust scanning contrast.



① Press the CONTRAST key

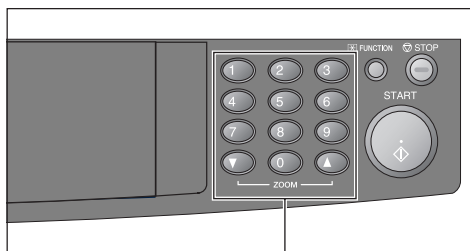
CONTRAST
-[■■■■] +

② Adjust the contrast with the CONTRAST key.

CONTRAST
-[■■■■] +



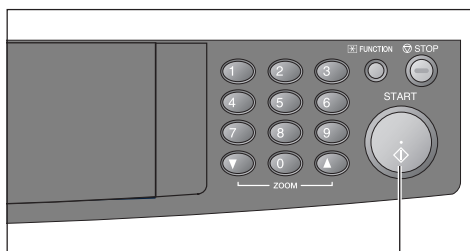
5 Enter the Number of Copies.



Keypad (Max. 999)

- When changing the number of copies, re-enter it (3 digits) with the Keypad.
Ex: Changing from 2 to 5 copies.
Enter "005" with the Keypad.

6 Press **Start** key.



START key

- When canceling the copy job, press the **STOP** key, then press the **1** key.

Making Copies

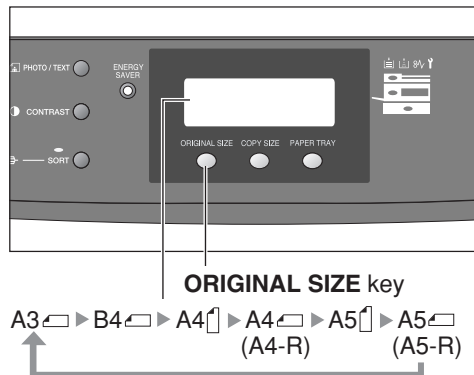
Basic Copies

Reduction/Enlargement

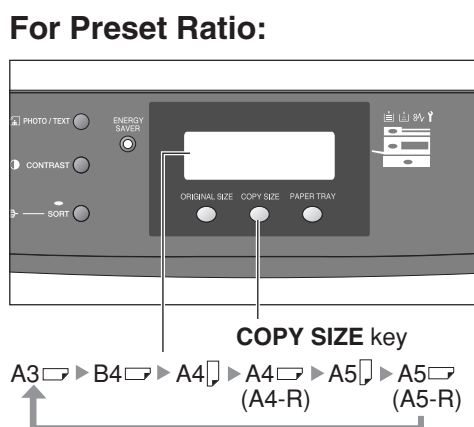
Copying with the Preset or Variable Zoom Ratios

1 Place the Original(s).
(See page 10)

2 Select Original Size with the **ORIGINAL SIZE** key.
(From Platen only)

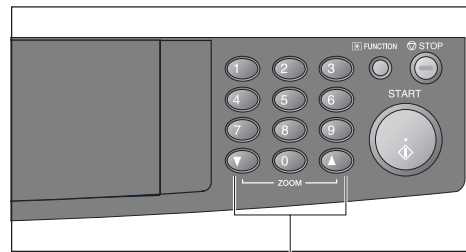


3 Select Copy Size with the **COPY SIZE** key.



- Paper Tray will be selected according to the copy size.
- When the suitable paper is not in the paper tray, use the sheet bypass.
(See page 27)

For Variable Zoom Ratio:

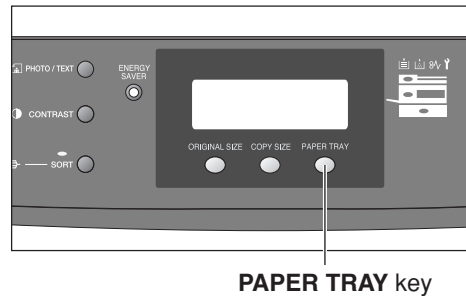


Adjust the Zoom Ratio (50 to 200 %) with the **▼** or **▲** key of the keypad.

- ▼ : To Reduce in 1 % (Down to 50 %)
- ▲ : To Enlarge in 1 % (Up to 200 %)

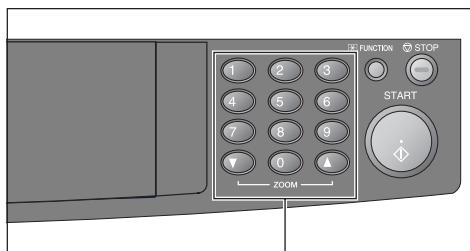
A4 → A4 [A4]
ZOOM:100% COPIES:001

- When changing the paper size, do not use the **COPY SIZE** key. Use the **PAPER TRAY** key.



4 Select Original Mode or adjust scanning contrast if necessary.
(See page 10)

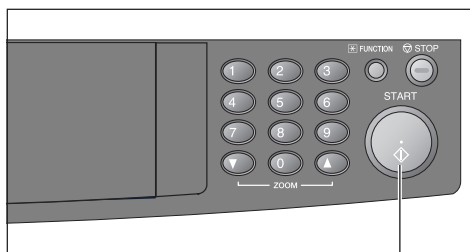
5 Enter the Number of Copies.



Keypad (Max. 999)

- When changing the number of copies, re-enter it (3 digits) with the Keypad.
Ex: Changing from 2 to 5 copies.
Enter "005" with the Keypad.

6 Press **Start** key.



START key

- When canceling the copy job, press the **STOP** key, then press the **1** key.

NOTE

- When copying with the Sort Mode from the Platen Glass, place the next original and follow the instructions described on the LCD display. (See pages 14-15)
- After finishing copying, press the Stop key to return to the initial screen of the current active mode.

Making Copies

Creative Features

Sort

Sort:

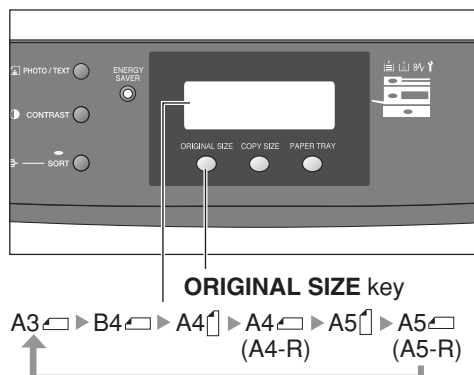
Multiple copy sets are sorted automatically.

Rotated Sort:

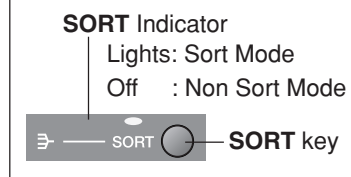
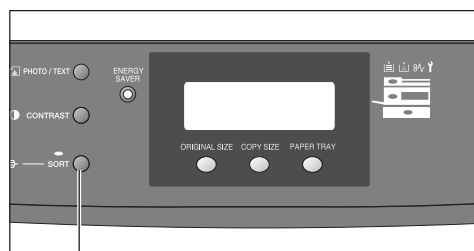
When loading both A4 and A4-R sized paper are stacked in alternate direction (rotation of 90 degrees). (See page 20)

1 Place the Original(s).
(See page 10)

2 Select Original Size with the **ORIGINAL SIZE** key.
(From Platen only)



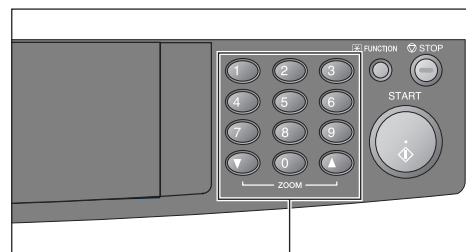
3 Select the Sort mode with the **SORT** key.



- When copying from the ADF, Sort mode is selected by standard setting.
- Rotate-Sort mode is only available when copy size is A4 only and stacked both A4 and A4-R sized paper is stocked into the paper trays/sheet bypass .

4 Select the required settings.
(See page 10)

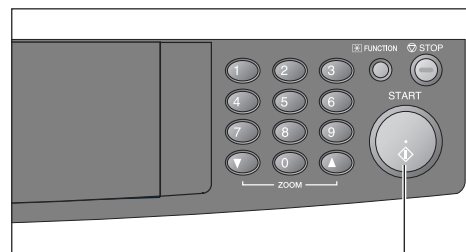
5 Enter the Number of Copies.



Keypad (Max. 999)

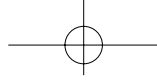
- When changing the number of copies, re-enter it (3 digits) with the Keypad.
Ex: Changing from 2 to 5 copies.
Enter "005" with the Keypad.

6 Press **Start** key.



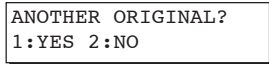
START key

- When canceling the copy job, press the **STOP** key, then press the **STOP** key.



From Platen Glass only:

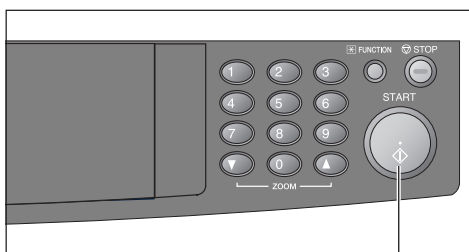
7 Select "1:YES" or "2:NO".



- 1: YES → Go to step 8.
- 2: NO → Starts making copies.

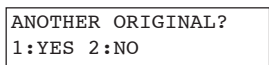
8 Place the next Original.
(See page 10)

9 Press **Start** key.



START key

10 Select "1:YES" or "2:NO".



- 1: YES → If copying another original, repeat steps 8 and 9.
- 2: NO → Starts making copies.

NOTE

- After finishing copying, press the Stop key to return to the initial screen of the current active mode.

Making Copies

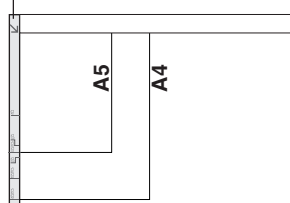
Creative Features

■ Skyshot

Digital Skyshot allows the copying of a manuscript without generating dark borders even if the ADF or Platen Cover is open.

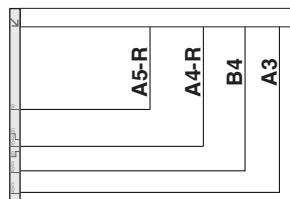
- 1 Opening the Platen Cover or ADF and Place Original on the Platen Glass.

Original Guides



Face Down

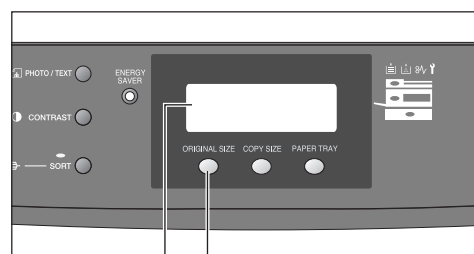
- If the original is not positioned properly a portion of the original may not be copied.



- For originals smaller than A5 size, position the original within the A5 area and select A5.

- An incorrect detection of the original may occur when a strong light shines onto the glass during digital skyshot mode.
- Incorrect exposure may occur when there is a black line at the edge of the original or an image which the machine interprets as a black pattern in the digital skyshot mode.

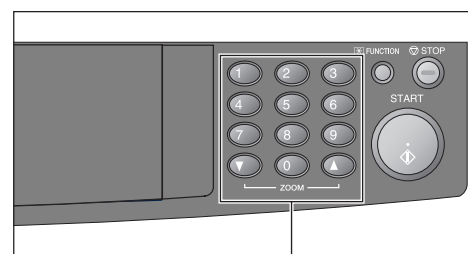
- 2 Select Original Size with the **ORIGINAL SIZE** key.



ORIGINAL SIZE key

A3 ▢ B4 ▢ A4 ▢ A4-R (A4-R) ▢ A5 ▢ A5-R (A5-R)

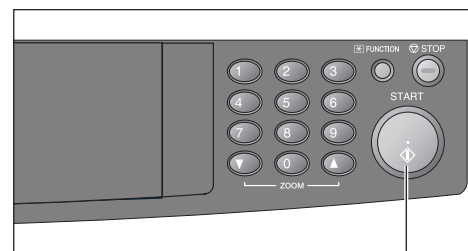
- 3 Enter the Number of Copies.



Keypad (Max. 999)

- When changing the number of copies, re-enter it (3 digits) with the Keypad.
Ex: Changing from 2 to 5 copies.
Enter "005" with the Keypad.

- 4 Press **Start** key.



START key

- When canceling the copy job, press the **STOP** key, then press the **START** key.
- When copying with the Sort Mode, place the next original and follow the instructions described on the LCD display. (See pages 14-15)

NOTE

- The Digital Skyshot has 2 modes (NORMAL and QUALITY). The default setting of Digital Skyshot Mode is "NORMAL". "QUALITY" can be selectable, refer to the Copier Settings in the Function Mode. (See page 21)

NORMAL

Default setting (usually select this mode).

QUALITY

For better definition, select the Quality mode.

■ Job Build and SADF

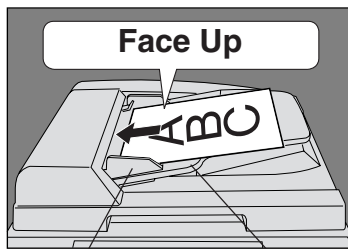
Special originals (like thin paper, etc.) can be fed from the ADF Tray and copied continuously using the Job Build and SADF Mode.

- The default setting of Job Build and SADF is "OFF". When using this mode, change the default setting to "ON" in the Copier Settings. (See page 21)

1 Place the Original(s).

For SADF : First one Original
Minimum 55 g/m²

For Job Build : First Originals
Maximum 50 sheets (80 g/m²)

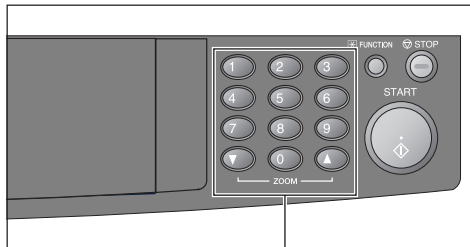


Original Guides Adjust to the original's width
Tray (Max. 50 A4 size originals)

- Hold the Guide by the center when adjusting the width.

2 Select the required settings. (See page 10)

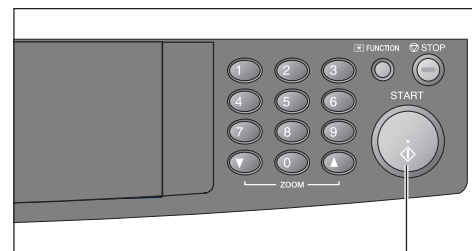
3 Enter the Number of Copies.




Keypad (Max. 999)

- When changing the number of copies, re-enter it (3 digits) with the Keypad.
Ex: Changing from 2 to 5 copies.
Enter "005" with the Keypad.

4 Press **Start** key.



START key

- When canceling the copy job, press the **STOP** key, then press the  key.

5 Place the next original(s) within 5 sec. of last ejected copy.

For SADF : First one Original
Minimum 55 g/m²

For Job Build : First Originals
Maximum 50 sheets (80 g/m²)

Making Copies

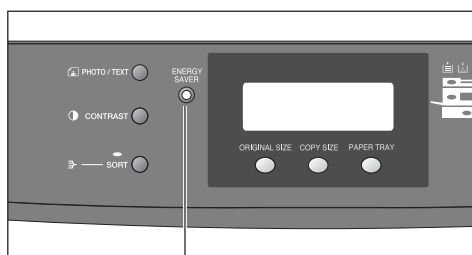
Other Feature

■ Energy Saver (Power Saver Mode, Sleep/Shutdown Mode)

These modes save power while the machine is not in use.

Power Saver Mode

To enter



Press the **Energy Saver** key.

or

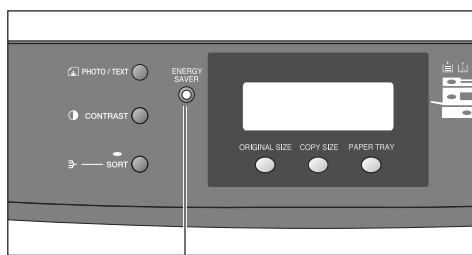
Automatically enters the Power Saver Mode after 10 minutes* from the last job.

* To adjust the default Sleep/Shutdown Mode timer. (See page 20)



Flashes:
Power Saver Mode

To exit



Press the **Energy Saver** or Any key.

Sleep/Shutdown Mode

To enter

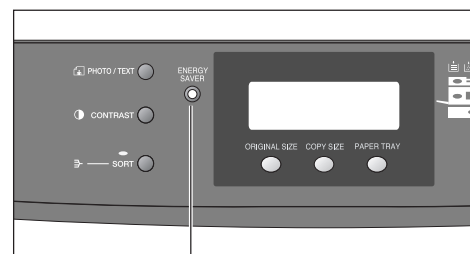
Automatically enters the Sleep/Shutdown Mode after 10 minutes* from the last job.

* To adjust the default Sleep/Shutdown Mode timer. (See page 20)



Lights:
Sleep/Shutdown Mode

To exit



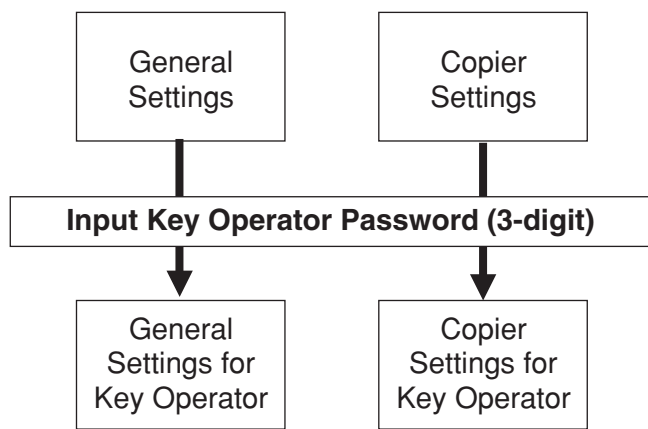
Press the **Energy Saver** key.

- The default setting of Sleep/Shutdown Mode is "Sleep".
The Sleep or Shutdown Mode can be selected in the General Settings. (See page 20)

Modes	Power Consumption	Warm Up Time	Unavailable Functions
Standby	Approx. 120 W	—	—————
Power Saver	Approx. 19.5 W	Approx. 30 sec.	—————
Sleep	Approx. 9.5 W	Approx. 30 sec.	—————
Shutdown	Approx. 1.6 W	Approx. 30 sec.	• Printer Function

Function

■ Using Function Modes to Change the Initial Machine Modes



General Settings:

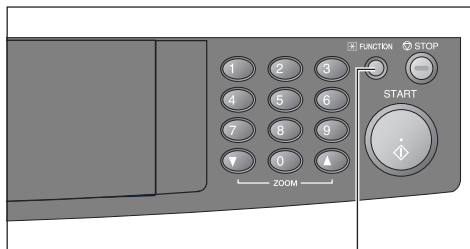
Changing the Initial Machine Modes.

Copier Settings:

Changing the Initial Copy Modes.

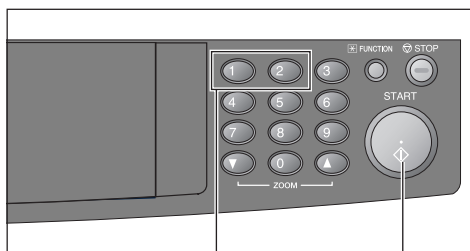
■ Procedure

1 Press the **FUNCTION** key.



FUNCTION key

2 Select a desired setting.

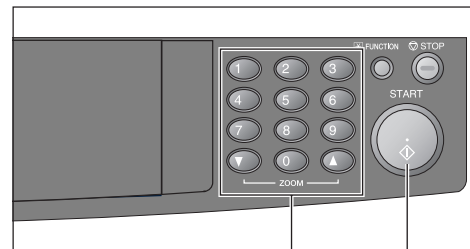


① Select a function.

- ① General Settings
- ② Copy Settings

② Press the **START** key.

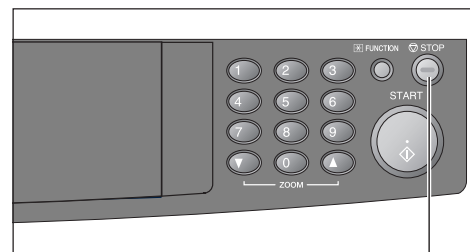
3 Set the desired Function Parameter(s).



① Select a mode with the / key or **START** key.

② Select a setting with the Keypad.

4 Press the **STOP** key to Exit this Function Mode.



STOP key

Function

■ General Settings

- When inputting above General Settings mode No., no need to input the first "0", input only the second number of the two digit display.

No.	Modes	Function	Initial Setting
01	SORT MEMORY USAGE	Selects whether to display the amount of sort memory used on the control panel. 1:OFF / 2:DISPLAY	1: OFF
02	DEPT. COUNTER	Displays the Total Copy usage and copy limit of the selected department.	Consult your authorized service provider
03	SORT-ROTATE	Selects the rotate-sort mode. 1:OFF / 2:ON (Available for A4 size paper only)	1:OFF
07	MANUAL ADD TONER	Adds toner manually. PRESS START	
09	KEY OPERATOR MODE	Inputs the key operator password. ENTER PASSWORD = ■■■	

The following Parameter Settings require the input of the Key Operator Password:

■ General Settings (For Key Operator)

No.	Modes	Function	Initial Setting
00	GENERAL LIST	Prints the general settings list, and meter count readings. PRESS START	
01	PAPER SIZE	Selects the Paper Tray and sets the Paper Size. (See page 22) A4 □ → A4 □ → B5 □ → B5 □ → A5 □ → A5 □ → FLS1 □ → FLS2 □ → LEDGER □ → LEGAL □ → LETTER □ → LETTER □ → INVOICE □ → A3 □ → B4 □ →	
03	AUTO RESET TIME	Selects the Control Panel reset time. 1:OFF / 2:30 sec / 3:1 min. / 4:2 min. / 5:3 min. / 6:4 min.	3:1 min.
04	ENERGY SAVER MODE	Sets the Energy Saver mode and time. 1:INVALID / 2:POWER SAVER / 3:SLEEP / 4:SHUTDOWN Power Saver mode timer: 1-240 min. Sleep/Shutdown mode timer: 1-240 min.	3:SLEEP 10 min.
06	LANGUAGE DEFAULT	Selects the default message language for the display. 1:FRENCH 2:GERMAN 3:ITALIAN 4:DUTCH 5:PORTUGUESE 6:SPANISH 7:ENGLISH 8:GREEK	
09	KEY/TOUCH BEEP	Selects the default key sound level. 1:OFF / 2:SOFT / 3:LOUD	2:SOFT
10	BYPASS SET BEEP	Selects whether to sound a Beep when paper is set on the Sheet Bypass. 1:INVALID / 2:VALID	1:INVALID
11	ORIG.SET BEEP ADF	Selects whether to sound a Beep when paper is placed on the ADF. 1:INVALID / 2:VALID	2:VALID
12	PAPER OUT ROTATE	Machine will automatically rotate the image to accommodate the orientation of the paper in another Tray and print when the selected Tray is empty. 1:OFF / 2:ON	1:OFF
13	DEPT. COUNTER MODE	Monitors the copy usage of each department. 1:TOTAL COUNTER 2:DEPT. COUNTER 3:DEPT. COUNTER LIST	Consult your authorized service provider

■ Copier Settings

No.	Modes	Function	Initial Setting
07	DIGITAL SKYSHOT	Selects the default digital skyshot mode. 1:OFF / 2:NORMAL / 3:QUALITY	2:NORMAL
09	AUTO EXPOSURE	Selects whether the auto exposure is enabled. 1:INVALID / 2:VALID	2:VALID
10	SORT PRIORITY ADF	Selects the sort priority when using the ADF. 1:NON-SORT / 2:SORT	2:SORT
11	SORT PRIOR. GLASS	Selects the sort priority when using the Platen. 1:NON-SORT / 2:SORT	1:NON-SORT
19	KEY OPERATOR MODE	Inputs the key operator password. ENTER PASSWORD = ■■■	

The following Parameter Settings require the input of the Key Operator Password:

■ Copier Settings (For Key Operator)

No.	Modes	Function	Initial Setting
00	COPY SETTING LIST	Prints the copier settings list. PRESS START	
01	ORIGINAL (HOME)	Selects the halftone default setting. 1:TEXT / 2:TEXT/PHOTO / 3:PHOTO	2:TEXT/PHOTO
02	TEXT CONTRAST	Selects the default contrast setting for the Text mode. 1-5	3
03	T/P CONTRAST	Selects the default contrast setting for the Text/Photo mode. 1-5	3
04	PHOTO CONTRAST	Selects the default contrast setting for the Photo mode. 1-5	3
05	MAX. COPY SETTING	Select the maximum number of copies allowed per job. 1-999	999
08	MEM. FULL ACTION	Selects the action to take during memory full condition. 1:PRINT / 2:CANCEL	1:PRINT
09	TONER SAVE (TEXT)	Selects the Toner Save Level to use for the Text mode. 1:NONE / 2:LEVEL1 / 3:LEVEL2	1:NONE
10	TONER SAVE (T/P)	Selects the Toner Save Level to use for the Text/Photo mode. 1:NONE / 2:LEVEL1 / 3:LEVEL2	1:NONE
11	TONER SAVE (PHOTO)	Selects the Toner Save Level to use for the Photo mode. 1:NONE / 2:LEVEL1 / 3:LEVEL2	1:NONE
12	SADF DEFAULT	Selects whether the Job Build and SADF Mode is enabled. 1:OFF / 2:ON	1:OFF

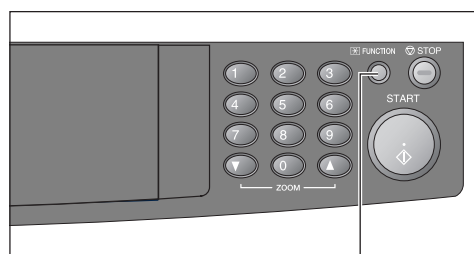
Function

For Example

■ Changing the Paper Size (Paper Tray)

The Paper Trays are designed to accommodate A5, A4, B4 and A3 Size paper.

1 Press the **FUNCTION** key.



FUNCTION key

2 Select "1: GENERAL SETTINGS".

FUNCTION MODE (1-2)
ENTER NO. OR v ^

- ① Enter "1" with keypad.
- ② Press **START** key.

3 Enter "9" with keypad to select "09 KEY OPERATOR MODE".

GENERAL PARAM. (0-9)
ENTER NO. OR v ^

4 Enter key operator password (3-digit) with key pad.

09 KEY OPERATOR MODE
ENTER PASSWORD=■■■

- The default key operator password is "000".
If it is changed, consult your key operator.

5 Enter "01" with keypad to select "01 PAPER SIZE".

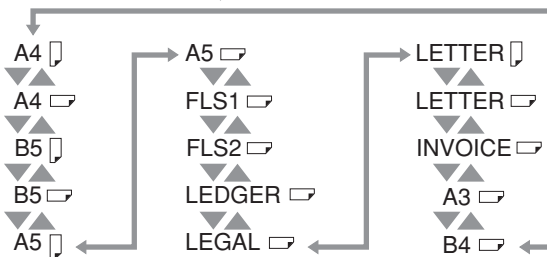
KEY OPR. MODE (00-12)
ENTER NO. OR v ^

6 Press **START** key.

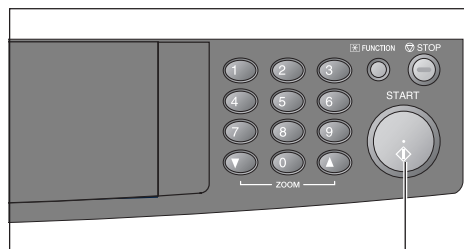
01 PAPER SIZE
1:TRAY-1[A4]

7 Select a Paper Size with / key.

TRAY-1
A4 ^ v

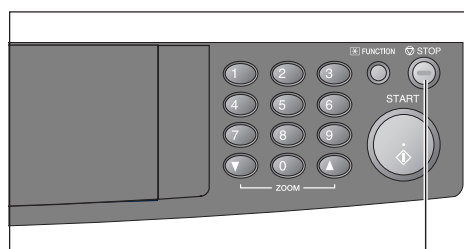


8 Press the **START** key.

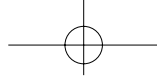


START key

9 Press the **STOP** key.

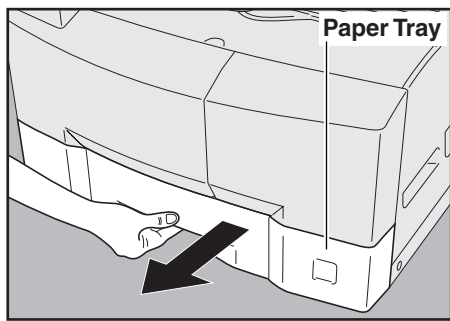


STOP key

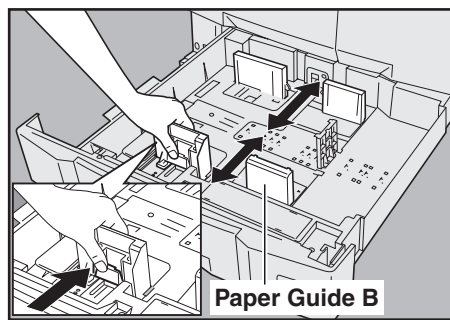


- It is recommended that the paper guide B is fixed in place with a screw, consult your authorized service provider for details on how to fasten the guide.

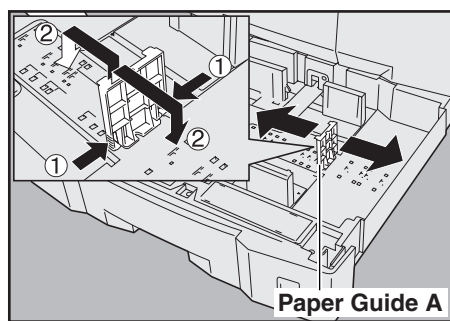
10 Pull out the **Paper Tray**.



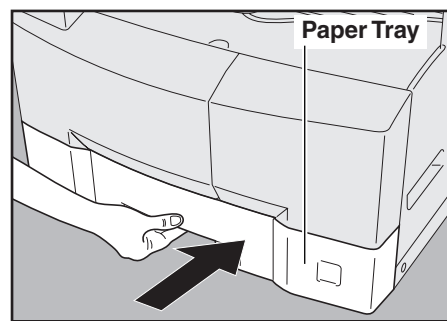
11 Adjust the **Paper Guide B** to the paper width.



12 Adjust the **Paper Guide A** to the paper length.



13 Reinstall the **Paper Tray**.



Problem Solving

Troubleshooting

Check

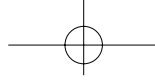
Action

Unit Does Not Operate

- | | | |
|--|---|--|
| Does the display light? | ➔ | Check if the Power Switch (Main Power Switch on the Right Side of the machine) is turned ON and if the power cord is plugged into the AC outlet. |
| Does the Energy Saver key flash (or light) and the display is turned OFF?
(See page 18) | ➔ | Press Energy Saver key on the control panel. |
| Does any of the U## codes and messages appear on the display?
(U01, U07, U13, U14....etc.) | ➔ | Perform actions in accordance with each message. |
| Does the Add Paper indicator and message appear on the display? | ➔ | Add paper. (See pages 26-27) |
| Does the Misfed Paper indicator, message and J## codes appear on the display? | ➔ | Remove the misfed paper. (See pages 30-32) |
| Does E#-## codes and messages appear on the display? | ➔ | Turn the Power Switch on the Right Side of the machine to the OFF and ON position. If the error code does not clear, call your Service provider. |
| The machine would not accept the next job during operation, instructed job would not be accepted for a long time period or job would not be completed. | ➔ | Turn the Power Switch on the Right Side of the machine to the OFF and ON position. |

Light Copies

- | | | |
|---|---|---|
| Does the scanning contrast indicator say "■" or "■■" (Lighter)? | ➔ | Press the "CONTRAST" key to adjust the scanning contrast. (See page 10) |
| Does the Add Toner indicator and message appear on the display? | ➔ | Replace the Toner Bottle. (See pages 28-29) |



Check

Action

Marked Copies

Is the machine's Platen Glass or Platen Sheet dirty?



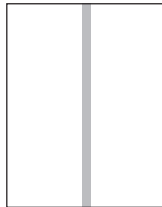
Clean the Platen Glass or Sheet.

Is the original an OHP film or a dark original?



Cover the original with a sheet of white paper before copying or lighten the exposure setting.

If a dark vertical line of 2-3 cm in width is printed.



① Clean the Corona Wire of the Drum Unit. (See page 28)
② Check the copies.
If a dark vertical line is remained, repeat above step to clean the Corona Wire became dark vertical line is erased.

■ If the measures outlined above do not solve the problem, call your Service provider.

■ User Error Codes (U Code)

Code	Check Points	Code	Check Points
U01	Front and/or Left Cover is open.	U20	ADF Cover is open.
U13	Low Toner or Out of Toner.		
U14	Toner Waste Container is full.	U21	ADF is opened while scanning from ADF.
U15	Toner Waste Container is incorrectly installed.	U25	Toner hardened inside the Toner Bottle. Remove the Toner Bottle and shake it well.
U16	Developer Unit is incorrectly installed. Call your Service Provider.		

■ Jam Error Codes (J Code)

Code	Check Points	Code	Check Points
J00	① Remove paper from the Sheet Bypass. ② Open and close the Left Cover. (See page 30)	J70, J71, J79, J92, J93	Remove misfed Paper. (See page 32)
J01	Pull the paper tray out and remove jammed paper from the standard paper tray (Tray-1) (See page 31)		
J30, J31, J33, J45, J46, J48, J95*	Remove misfed Paper. (See page 31) *J95: Check the paper size of the paper tray. (See page 22)		

NOTE: ● The J## Code indicates the most probable Jam location. If the jam message reappears after the jam is cleared, paper is most likely jammed at other location(s). Check the Jam Error Codes Table above for other check points and remove all misfed paper.

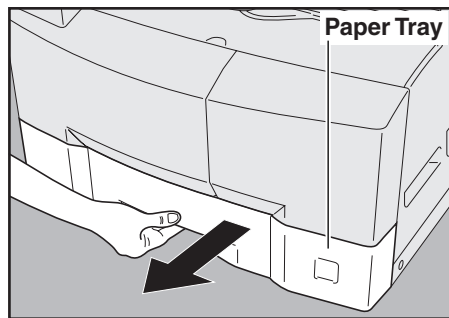
Problem Solving

Maintenance

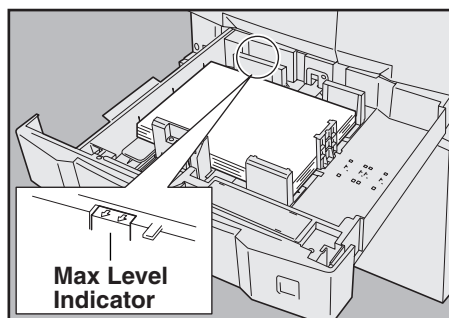
■ Adding Paper

- Paper Tray

1 Pull out the **Paper Tray**.



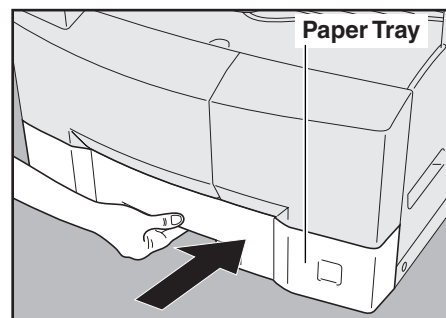
2 Load paper.



Face Up
Paper Weight: 60 - 90 g/m²
Paper Capacity: 550 Sheets (80 g/m²)

- Make sure that the paper is set properly and that it does not exceed the Max. Level indicator.

3 Reinstall the **Paper Tray**.



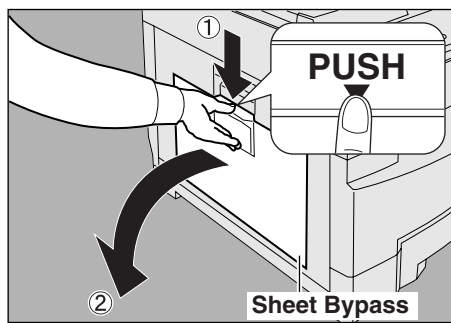
NOTE

- When changing the paper size, refer to page 22.

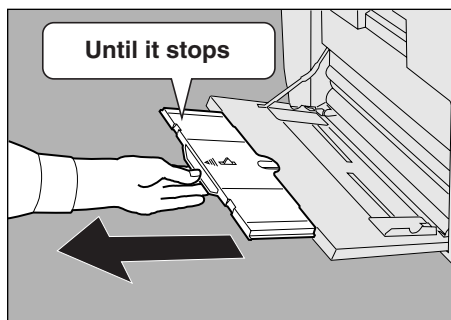
● **Sheet Bypass**

Copying on Special Paper, etc.

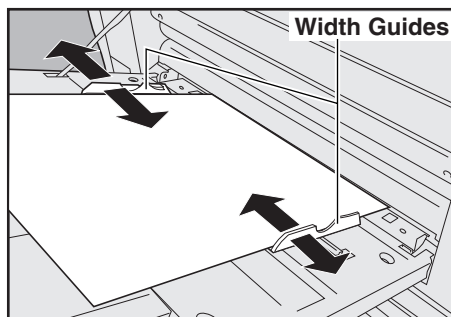
1 Open the **Sheet Bypass**.



2 Pull the **Sheet Bypass**.

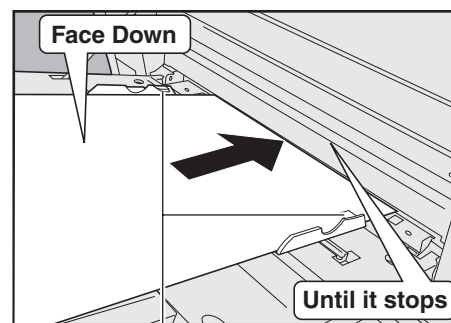


3 Adjust the **Width Guides**.



- Incorrect adjustment may cause the paper to wrinkle, misfed or skew.

4 Load paper.
(Do not exceed limit guides)



← **Upper Limit Guides**

Paper Weight: 55-133 g/m²

Paper Capacity: 50 sheets / 80 g/m²

To add paper to the Sheet Bypass, remove the leftover paper from the tray, and align it with the additional paper and load them together onto the tray.

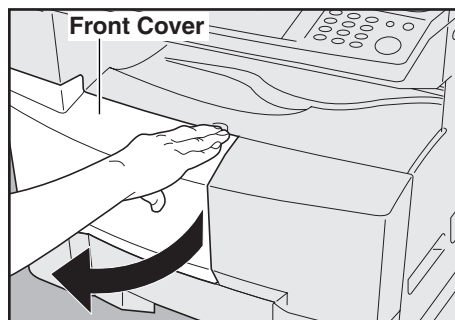
Problem Solving

Maintenance

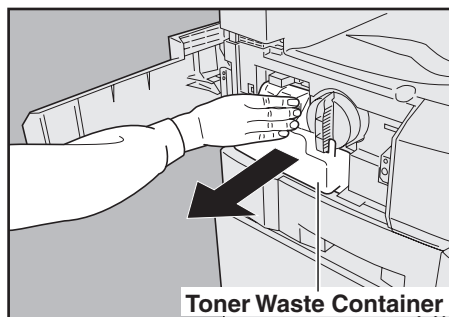
■ Replacing Toner Bottle/Toner Waste Container

- ATTENTION** ● For optimum copy quality use the recommended Panasonic Toner.
Do not unseal the Toner Bottle unless you are ready to use it.

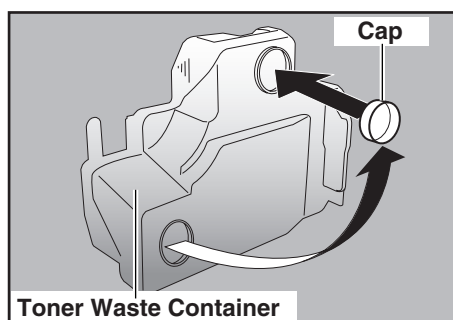
1 Open the **Front Cover**.



2 Remove the old **Toner Waste Container**.

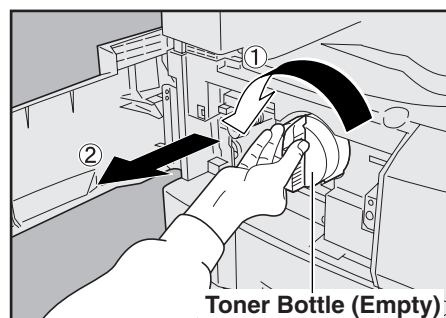


3 Equip the **Cap** to the hole of container.

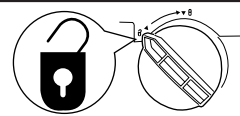


- Do not reuse the toner from the **Toner Waste Container**.

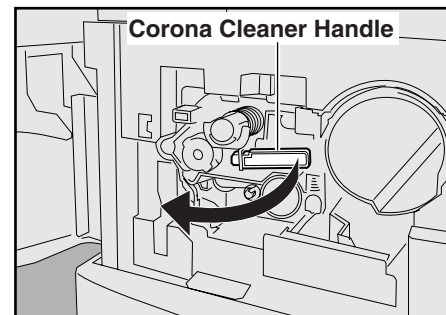
4 Turn the Empty Toner Bottle to counter clockwise, then remove the old Toner Bottle.

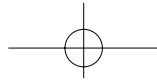


To Release

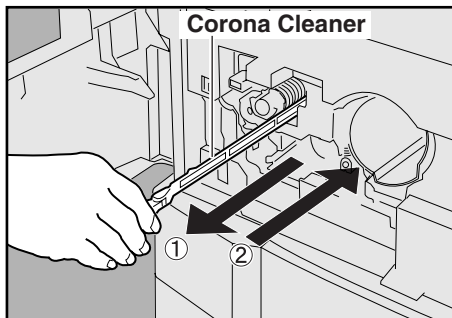


5 Turn the **Corona Cleaner Handle**.

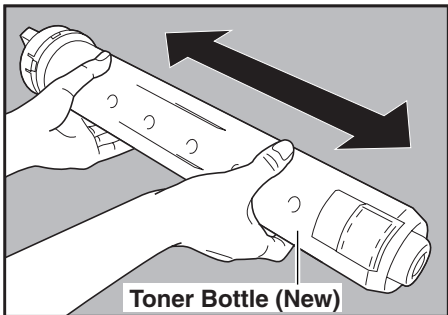




6 Slide the **Corona Cleaner** in and out 3 or 4 times slowly, then return the **Corona Cleaner Handle** to original position.

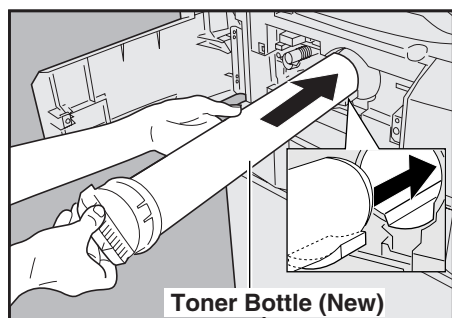


7 Shake the New Toner Bottle well.

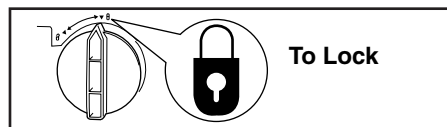
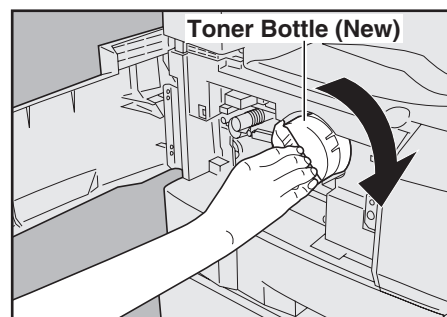


● Do not reuse the toner from the Toner Waste Container.

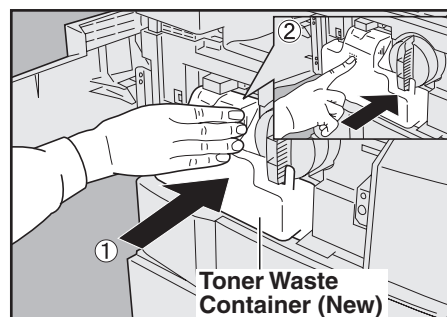
8 Install the New Toner Bottle.



9 Turn the New Toner Bottle to clockwise.



10 Install the New Toner Waste Container, then close the Front Cover.

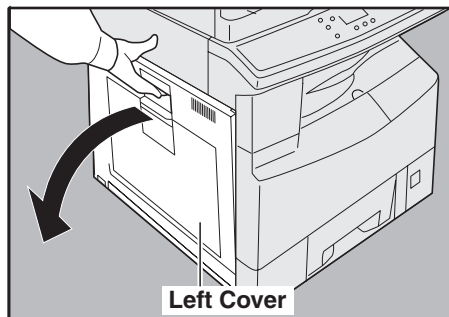


Problem Solving

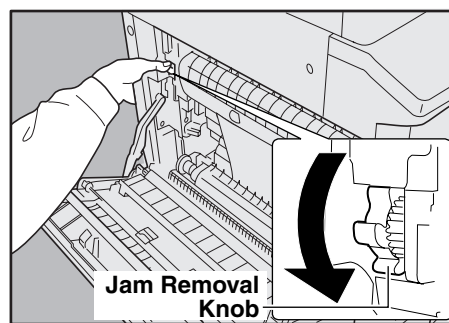
■ Removing Misfed Paper (Paper Exit Area) (J46)

- ATTENTION**
- Do not scratch or touch the surface of the OPC Drum (Green) with bare hands. The OPC Drum is sensitive to light.
- To prevent optical exposure problems, do not expose the OPC Drum to direct sunlight or bright light.

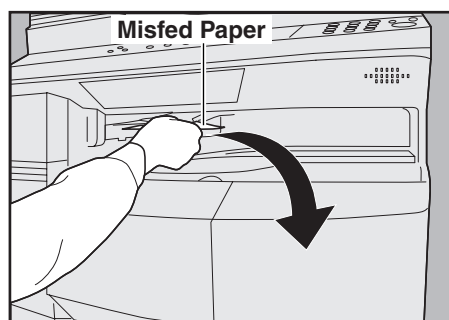
1 Open the **Left Cover**.



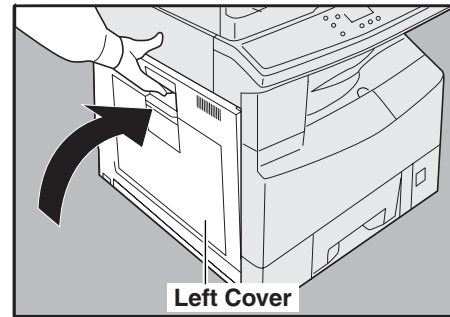
2 Turn the **Jam Removal Knob**.



3 Remove misfed paper.



4 Close the **Left Cover**.



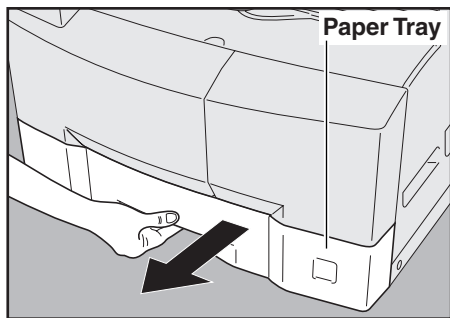
NOTE

- Make sure that the Jam Error Code and Misfed Indicator disappears after removing the misfed paper.
- The Jam Error Code and Misfed Indicator will not disappear if the paper is still jammed in the machine. Check again and remove all misfed paper.

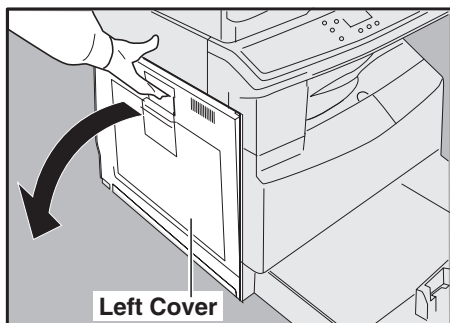
■ **Removing Misfed Paper (Paper Transport/Fusing Area) (J01, J30, J31, J33, J45, J48, J95)**

ATTENTION ● Do not scratch or touch the surface of the OPC Drum (Green) with bare hands. The OPC Drum is sensitive to light.
To prevent optical exposure problems, do not expose the OPC Drum to direct sunlight or bright light.

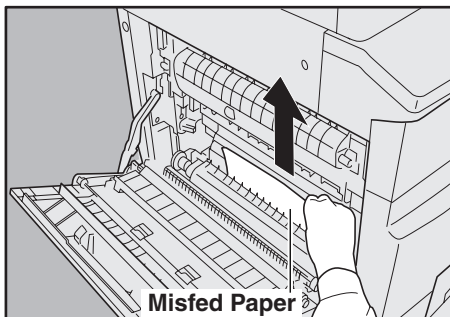
1 Pull out the **Paper Tray**.



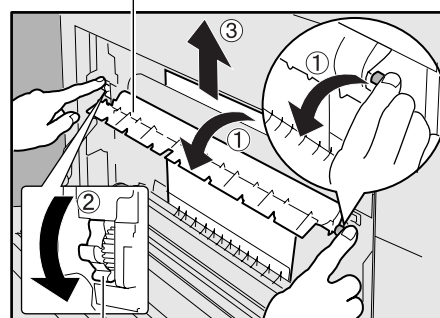
2 Open the **Left Cover**.



3 Remove misfed paper.



4 Remove misfed paper.
Heat Roller Cover

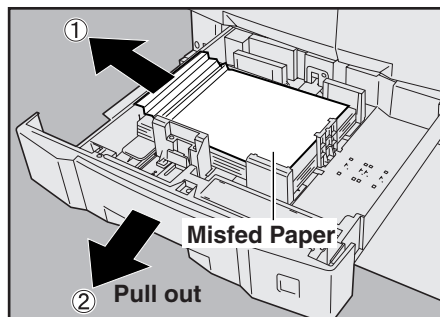


Jam Removal Knob

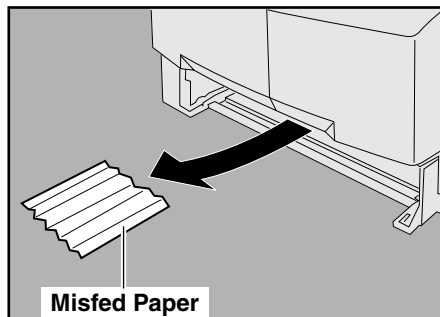


- ATTENTION: Hot Surface
- ATTENTION: Zone chauffée
- ACHTUNG : Heiße Oberfläche
- ATENCION : Superficie caliente
- 高温注意 · 고온주의

5 Remove misfed paper.



6 Remove misfed paper.

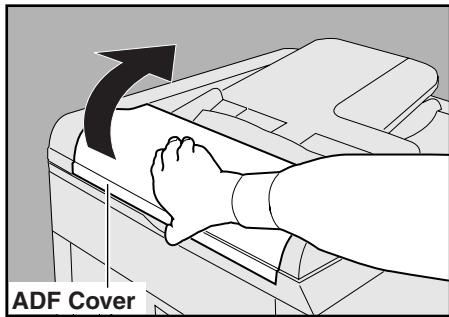


7 Reinstall the **Paper Tray**, then close the **Left Cover**.

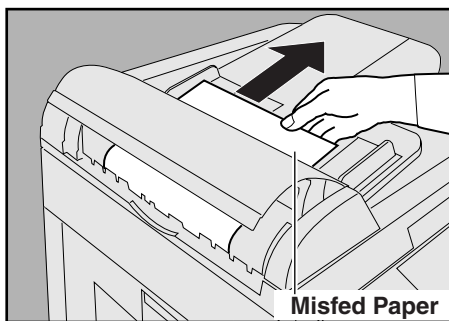
Problem Solving

■ Removing Misfed Paper (Optional ADF: J70, J71, J79, J92, J93)

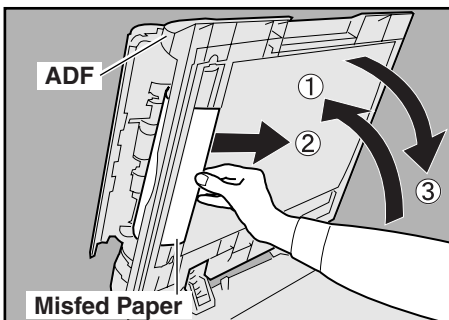
1 Open the **ADF Cover**.



2 Remove misfed paper.

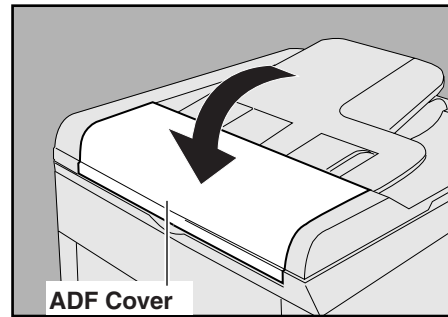


3 Remove misfed paper.



- ① Open the ADF.
- ② Remove misfed paper.
- ③ Close the ADF.

4 Close the **ADF Cover**.

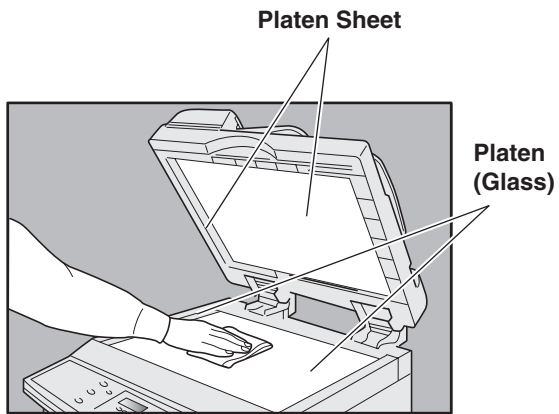


NOTE

- Make sure that the Jam Error Code and Misfed Indicator disappears after removing the misfed paper.
- The Jam Error Code and Misfed Indicator will not disappear if the paper is still jammed in the machine. Check again and remove all misfed paper.

Machine Care

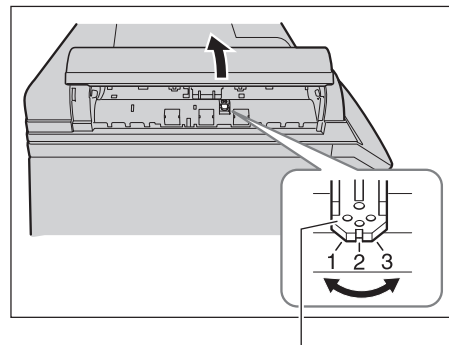
■ As a rule, clean weekly.



Platen Glass/Platen Sheet

- ① Wipe marks off with a cloth and a neutral detergent.
- ② Wipe again with a dry cloth.

■ Adjusting the Double Feed Switch
(For DA-AS181) When original(s) do not feed correctly, adjust the position of the Double Feed Switch as follows:



Double Feed Switch

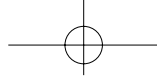
		Position of Switch
Normal Operation	➔	
Original does not feed.	➔	
Several originals are fed at one time	➔	

Appendix

Specifications

■ Main Unit

Type:	Desktop
Platen Type:	Fixed
Acceptable Originals:	Sheets, Books (Max. A3)
Copying Method:	Laser Indirect Electro Static
Fusing Method:	Heating Roller & Pressure Roller
Imaging Method:	Dry Dual Components
Resolution:	600 dpi
Copy Size:	Paper Trays : A3, B4, A4, A4R, A5, A5R, FLS Sheet Bypass : A3, B4, A4, A4R, A5, FLS
Void Area:	Less than 5.0 mm
Warm Up Time: (20 °C)	Less than 30 sec
First Copy Time: (A4 from 1st Tray)	Less than 7.0 sec
Multi-Copy Speed: (A4 from Paper Tray)	15 cpm
Enlargement Ratios:	Preset 115 %, 122 %, 141 %, 173 %, 200 % Variable: From 101 % to 200 % in 1 % increments
Reduction Ratios:	Preset 87 %, 82 %, 71 %, 58 %, 50 % Variable: From 99 % to 50 % in 1 % decrements
Paper Feed:	Standard Paper Tray (550 sheets x 1) + Sheet Bypass (50 sheets)
Paper Weight:	Paper Tray : 60 - 90 g/m ² Sheet Bypass : 55 - 133 g/m ²
Quantity Selector:	Max. 999 sheets
Inner Tray Output Capacity:	250 sheets (A4)
Electrical Consumption:	220 V - 240 V, 6.5 A, 50 Hz
Power Consumption:	1.3 kW
Dimensions (W) (D) (H):	Platen Glass : 558 mm x 557 mm x 460 mm Incl. ADF, Sheet Bypass : 844 mm x 624 mm x 623 mm
Unit Weight:	43.6 kg
Operating Environment:	Temperature: 10 - 30 °C [Humidity should be 70 % or less at 30 °C] Relative Humidity: 30 - 80 % [Temperature should be 27 °C or less at 80 % RH]



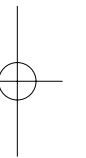
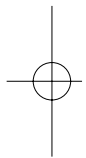
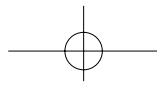
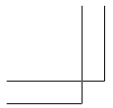
■ Printer Unit (Standard)

Printing Speed:	15 sheets/minute
Resolution (dots per inch):	600 x 600, 300 x 300
Interface:	USB1.1
Applicable OS:	Windows 98, Windows Me, Windows 2000, Windows XP

■ ADF (Option)

Tray Capacity:	A4, A5 : 50 sheets (80 g/m ²) A3, B4, FLS : 30 sheets (80 g/m ²)
Original Size:	A5/A4/B4/A3/FLS
Paper Weight:	50 - 110 g/m ²
Electrical Requirements:	Supplied from the machine

Specifications are subject to change without notice.



For Service, Call: _____

For Customer Support:
Panasonic Communications Co., Ltd.
Fukuoka, Japan
<http://www.panasonic.co.jp/global/>

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