

Problems related to general use of the machine, the copy function, and software setup are explained here. Be sure to check the problem carefully before calling for service, as many problems can be solved by the user.

If you are unable to solve the problem, turn off the main switch, unplug the power cord from the outlet, and contact your dealer.



For problems related to the printer and scanner functions, see the online manual.

DISPLAY MESSAGES

When the following indicators light up or blink on the operation panel or the following alphanumeric codes appear in the display, solve the problem immediately referring to both the table below and the indicated page.



Be sure to use only genuine TOSHIBA parts and supplies.

Indication		Cause and remedy	Page
Lamp indicator	Display		
Tray location indicator	Blinks	BYPASS: ADD PAPER	15
		TRAY<*> : ADD PAPER	
		CLOSE PAPER TRAY<*>	
Error indicator	Blinks	CLEAR PAPER JAM.	79
		ADF/RADF JAM.	-
		FRONT OR SIDE COVER OPEN. CLOSE COVERS.	
		CLOSE THE ADF/RADF COVER.	82
		REPLACE THE TONER CARTRIDGE.	83
		SYSTEM ERROR [XX - XX] REFER TO USER GUIDE	86
	-		

TROUBLESHOOTING AND MAINTENANCE

Indication		Cause and remedy	Page	
Lamp indicator	Display			
Error indicator	Blinks	INSTALL A TONER CARTRIDGE.	The toner cartridge is not installed correctly. Reinstall the toner cartridge.	83
	Steadily lit	TONER CARTRIDGE IS NEAR EMPTY.	Replacement of toner cartridge will be needed soon. Prepare a new cartridge.	83
		MAINTENANCE REQUIRED CALL FOR SERVICE	Service by an authorized service technician is required.	-
MEMORY FULL, PRESS START TO RESUME.		Data is being held in memory. Print the data or clear it from memory.	30	
NO 2-SIDED COPY FROM BYPASS TRAY.		Two sided printing or 2 IN 1 copying is selected when the bypass tray is already selected, or the bypass tray is selected when two-sided printing or 2 IN 1 copying is already selected. The bypass tray cannot be used. Press the [TRAY SELECT] key (≡) to select a paper tray.	26 31	
NO 2IN1 COPY FROM BYPASS TRAY.		2 IN 1 copy and margin shift cannot be used in combination.	31 34	
NO 2IN1 COPY WITH MARGIN SHIFT.		Copy ratio can not be changed in 2 IN 1 copy.	25 31	
COPY RATIO CAN NOT BE CHANGED IN 2IN1.		This appears if you attempt to change a user program setting while a print job is in progress.	62	
THIS MENU IS NOT SELECTABLE WITH DATA.		There is no paper for printing. Press the [MODE SELECT] key to switch to printer mode and follow the instructions in the display. ("XXXX" indicates paper size)	-	
NO XXXX SIZE TRAY		An original remains on the document glass, or the original is too thick to scan. Remove the original.	21	
CHECK ADF/RADF. START TO RESUME.		If the message is not cleared when there is no original on the document glass, the underside of the ADF/RADF is dirty. Clean the underside of the ADF/RADF. (especially areas where black lines appear.)	88	
LOAD XXXX PAPER INTO TRAY<*>.		Printing is not possible if the paper size setting is different from the size of paper loaded in the tray. Load the same size of paper as the paper size setting and then press the [START] key (Ⓢ). Printing will begin. ("XXXX" indicates paper size. The tray is indicated in <*>.)	15	
NO PC COMMUNICATION; CHECK CABLE.		The machine is not correctly connected to the computer. Check the cable (when using the scanner function).	55	

TROUBLESHOOTING THE MACHINE

The following problems are related to the general operation of the machine and copying.

Problem	Cause and solution	Page
The machine does not operate.	The machine is not plugged into a power outlet. → Plug the machine into a grounded outlet.	-
	Power switch OFF. → Turn the power switch ON.	12
	The power save indicator is blinking. Indicates that the machine is warming up. → Copies cannot be made until the machine has finished warming up.	-
	The front cover or the side cover is not completely closed. → Close the front cover or the side cover.	-
	The machine is in auto power shut-off mode. → In auto power shut-off mode, all lights are off except the power save indicator. Press the [START] key (⊗) to resume normal operation.	13
	The scan head locking switch is locked. → Unlock the scan head locking switch.	86
Copies are too dark or too light.	Select the correct original type for the original. → Select AUTO with the [EXPOSURE] key or press the [◀] key (☺) or [▶] key (☹) to manually select an appropriate exposure.	24
	→ If the copy is too light or too dark even though AUTO was selected with the [EXPOSURE] key, adjust the automatic exposure level.	65
Blank copies.	The original is not placed face up in the ADF/RADF or face down on the document glass. → Place the original face up in the ADF/RADF or face down on the document glass.	20, 21

TROUBLESHOOTING AND MAINTENANCE

Problem	Cause and solution	Page
Part of the image is cut off or there is too much blank space.	The original was not placed in the correct position. → Place the original correctly.	20, 21
	An appropriate ratio was not used for the size of the original and the size of the paper. → Press the [ZOOM] key to change the ratio to a setting that is suitable for the original and the copy paper.	25
	The size of paper loaded in the tray was changed without changing the tray's paper size setting. → Be sure to change the tray's paper size setting whenever you change the size of paper loaded in the tray.	19
Wrinkles appear in the paper or the image disappears in places.	The paper is outside of the specified size and weight range. → Use copy paper within the specified range.	14
	Paper curled or damp. → Do not use curled or crimped paper. Replace with dry copy paper. During periods when the machine is not used for a long time, remove the paper from the tray and store it in a dark place in a bag to prevent moisture absorption.	-
Copies are smudged or dirty.	The document glass or the underside of the document cover/ADF/RADF is dirty. → Clean regularly.	88
	Original smudged or blotchy. → Use a clean original.	-

Problem	Cause and solution	Page
Paper misfeed.	Misfeed occur. → To remove the misfeed, see "MISFEED REMOVAL".	79
	The paper is outside of the specified size and weight range. → Use copy paper within the specified range.	14
	Paper curled or damp. → Do not use curled or crimped paper. Replace with dry copy paper. During periods when the machine is not used for a long time, remove the paper from the tray and store it in a dark place in a bag to prevent moisture absorption.	-
	Paper is not loaded properly. → Make sure that the paper is properly loaded.	15
	Pieces of paper inside machine. → Remove all pieces of misfed paper.	80
	Too much paper is loaded in the tray. → If the stack of paper is higher than the indicator line on the tray, remove some of the paper and reload so that the stack does not exceed the line.	15
	Some sheets of paper stick together. → Fan the paper well before loading it.	15
	The guides on the bypass tray do not match the width of the paper. → Adjust the guides to match the width of the paper.	18
	The bypass tray extension is not pulled out. → When loading a large size of paper, pull out the extension.	18
White or black lines appear on copies.	The scanner glass for the ADF/RADF is dirty. → Clean the long, narrow scanning window.	88
	The transfer charger is dirty. → Clean the transfer charger.	89

TROUBLESHOOTING AND MAINTENANCE

Problem	Cause and solution	Page
Paper size for a paper tray cannot be set.	Copying or printing is performed. → Set the paper size after copying or printing is complete.	-
	The machine has stopped temporarily due to running out of paper or a misfeed. → Load paper or remove the misfeed, and then set the paper size.	19, 79
A copy job stops before it is finished.	"MEMORY FULL, PRESS START TO RESUME." appears in the display. → The memory became full during sort copy. Copy only the originals that have been scanned to that point, or cancel the job and clear the data from memory.	30
	The tray is out of paper. → Load paper.	15
The power save indicator is lit.	Other indicators are lit. → If other indicators are lit, the machine is in preheat mode. Press any key on the operation panel to resume normal operation.	13
	Only the power save indicator is lit. → If only the power save indicator is lit, the machine is in auto power shut-off mode. Press the [START] key (⊕) to resume normal operation.	13
Error indicator (⚠) is lit or blinking.	See "DISPLAY MESSAGES" to check the meaning of the error indicator and error message in the display, and take appropriate action.	69
Lighting fixture flickers.	The same power outlet is used for the lighting fixture and the machine. → Connect the machine to a power outlet which is not used for other electric appliances.	-

PROBLEMS DURING SETUP OF THE SOFTWARE

If the software does not install correctly, check the following items on your computer. To remove the software, see "Removing the software" (p.78).

MFP driver cannot be installed (Windows 2000/XP)

If the MFP driver cannot be installed in Windows 2000/XP, follow these steps to check your computer's settings.

1 Click the "start" button and then click "Control Panel".

In Windows 2000, click the "Start" button, select "Settings", and then click "Control Panel".

2 Click "Performance and Maintenance", and then click "System".

In Windows 2000, double-click the "System" icon.

3 Click the "Hardware" tab and then click the "Driver Signing" button.

4 Check "What action do you want Windows to take?" ("File signature verification" in Windows 2000).

If "Block" has been selected, it will not be possible to install the MFP driver. Select "Warn" and then install the MFP driver as explained in "INSTALLING THE SOFTWARE".



Plug and play screen does not appear (USB only)

If the Plug and Play screen does not appear after you connect the machine to your computer with a USB cable and turn on the machine, follow the steps below to verify that the USB port is available.

1 Click the "start" button, click "Control Panel", and then click "Performance and Maintenance".


In Windows 98/Me/2000, click the "Start" button, select "Settings", and then click "Control Panel".

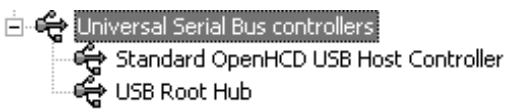
2 Click "System", click the "Hardware" tab, and click the "Device Manager" button.

"Universal Serial Bus controllers" will appear in the list of devices.



- In Windows 98/Me, double-click the "System" icon and click the "Device Manager" tab.
- In Windows 2000, double-click the "System" icon, click the "Hardware" tab, and click the "Device Manager" button.
- If the "System" icon does not appear in Windows Me, click "view all Control Panel options".

3 Click the  icon beside "Universal Serial Bus controllers".



Two items should appear: your controller chipset type and Root Hub. If these items appear, you can use the USB port. If the "Universal Serial Bus controllers" shows a yellow exclamation point or does not appear, you must check your computer manual for USB troubleshooting or contact your computer manufacturer.

4 Once you have verified that the USB port is enabled, install the software as explained in "INSTALLING THE SOFTWARE".

The MFP driver cannot be correctly installed by Plug and Play (Windows 2000/XP) (USB only)

In Windows 2000/XP, if the MFP driver cannot be correctly installed by Plug and Play (for example, Plug and Play takes place without copying the required files for the MFP driver installation), follow these steps to remove unneeded devices and then install the MFP driver as explained in "SET UP THE SOFTWARE" (p.36).

- 1 Click the "start" button, click "Control Panel", and then click "Performance and Maintenance".**

In Windows 2000, click the "Start" button, select "Settings", and then click "Control Panel".

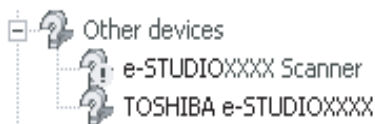
- 2 Click "System", click the "Hardware" tab, and click the "Device Manager" button.**



In Windows 2000, double-click the "System" icon, click the "Hardware" tab, and click the "Device Manager" button.

- 3 Click the  icon beside "Other devices".**

If "e-STUDIOXXXX" and "TOSHIBA e-STUDIOXXXX" appear, select and delete both of these items.



If "Other devices" does not appear, close the "Device Manager" window.

- 4 Install the software as explained in "INSTALLING THE SOFTWARE".**

Another printer is using the parallel port (when using a parallel cable)

If another printer is using the parallel port and printing is not possible using the machine, follow the steps below to change the port setting of the other printer driver, and make sure that the port of the printer driver for the machine is set to LPT1.

- 1 Click the "start" button, click "Control Panel", click "Printers and Other Hardware", and then click "Printers and Faxes".**

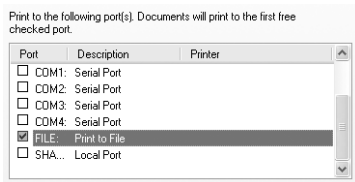
In Windows 98/Me/NT 4.0/2000, click the "Start" button, select "Settings", and then click "Control Panel".

- 2 Click the icon of the printer driver for which you wish to change the port setting, and select "Properties" from the "File" menu.**

- 3 Click the "Ports" tab.**

In Windows 98/Me, click the "Details" tab.

- 4** Select "FILE:" in the "Print to the following port" list box, and click the "OK" button.

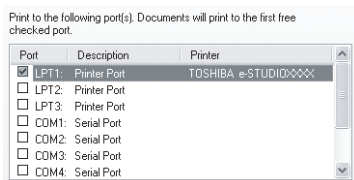


- 5** Click the "TOSHIBA e-STUDIOXXXX" printer driver icon and select "Properties" from the "File" menu.

- 6** Click the "Ports" tab.

In Windows 98/Me, click the "Details" tab.

- 7** Select "LPT1" in the "Print to the following port" list box, and click the "OK" button.



Note In the event that you need to use the other printer, repeat the above steps to set the port of the machine to "FILE:", and change the port setting of the other printer back to "LPT1".

Removing the software

If you need to remove the software, follow these steps.

- 1** Click the "start" button and then click "Control Panel".

In Windows 98/Me/NT 4.0/2000, click the "Start" button, select "Settings", and then click "Control Panel".


- 2** Click "Add or Remove Programs".

In Windows 98/Me/NT 4.0/2000, double-click the "Add/Remove Programs" icon.

- 3** Select "TOSHIBA e-STUDIO151/151D/162/162D Series MFP Driver" and Button Manager from the list, and remove the software.

For more information, refer to your operating manual or to the help files for your operating system.

MISFEED REMOVAL

When a misfeed occurs, the error indicator blinks, "CLEAR PAPER JAM" appears in the display, and the machine stops operating. If a misfeed occurs when using the ADF/RADF, "RETURN X ORIGINAL(S) START TO RESUME" will appear in the display. ("X" indicates the number of pages to be returned.) This indicates the number of the originals that must be returned to the document feeder tray after a misfeed. Return the required number of originals. This number will be cleared when copying is resumed or the [CLEAR] key () is pressed. If an original misfeed occurs in the ADF/RADF, the machine will stop and the error indicator will blink. To remove a misfeed from the ADF/RADF, see "D: Misfeed in the ADF/RADF" (p.82).

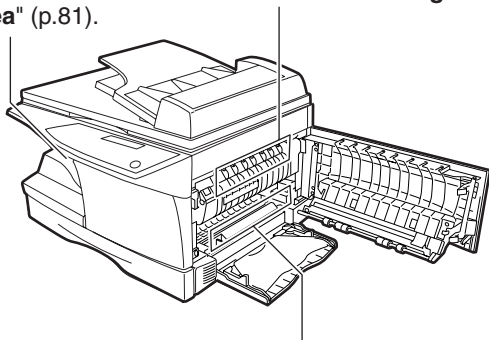
1 Open the bypass tray and side cover, in that order.

To open the bypass tray, see "Loading paper in the bypass tray" (p.18). To open the side cover, see "TONER CARTRIDGE REPLACEMENT" (p.84).

2 Check the misfeed location. Remove the misfed paper following the instructions for each location in the illustration below. If the error indicator blinks, proceed to "A: Misfeed in the paper feed area" (p.80).

If the misfed paper is seen from this side, proceed to "**C: Misfeed in the transport area**" (p.81).

If paper is misfed here, proceed to "**B: Misfeed in the fusing area**" (p.80).



If paper is misfed here, proceed to "**A: Misfeed in the paper feed area**" (p.80).

A: Misfeed in the paper feed area

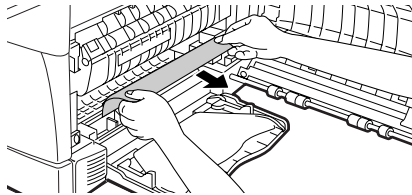
- 1** Gently remove the misfed paper from the paper feed area as shown in the illustration. If the error indicator blinks and the misfed paper is not visible in the paper feed area, pull out the paper tray and remove the misfed paper. If the paper cannot be removed, proceed to "B: Misfeed in the fusing area".



The fusing unit is hot. Do not touch the fusing unit when removing misfed paper. Doing so may cause a burn or other injury.



- Do not touch the photoconductive drum (green portion) when removing the misfed paper. Doing so may damage the drum and cause smudges on copies.
- If the paper has been fed through the bypass tray, do not remove the misfed paper through the bypass tray. Toner on the paper may stain the paper transport area, resulting in smudges on copies.

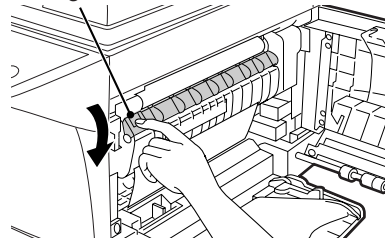


- 2** Close the side cover by pressing the round projections near the side cover open button. The error indicator will go out and the ready indicator will light up.

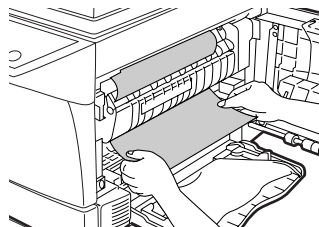
B: Misfeed in the fusing area

- 1** Lower the fusing unit release lever.

Fusing unit release lever



- 2** Gently remove the misfed paper from under the fusing unit as shown in the illustration. If the paper cannot be removed, proceed to "C: Misfeed in the transport area".



Warning The fusing unit is hot. Do not touch the fusing unit when removing misfed paper. Doing so may cause a burn or other injury.



- Do not touch the photoconductive drum (green portion) when removing the misfed paper. Doing so may cause smudges on copies.
- Do not remove the misfed paper from above the fusing unit. Unfixed toner on the paper may stain the paper transport area, resulting in smudges on copies.

- 3** Raise the fusing unit release lever and then close the side cover by pressing the round projections near the side cover open button. The error indicator will go out and the ready indicator will light up.

C: Misfed in the transport area

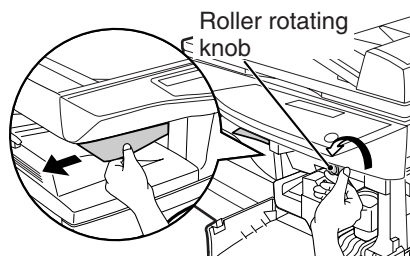
- 1** Lower the fusing unit release lever.

See "B: Misfeed in the fusing area" (p.80).

- 2** Open the front cover.

To open the front cover, see "TONER CARTRIDGE REPLACEMENT" (p.84).

- 3** Rotate the roller rotating knob in the direction of the arrow and gently remove the misfed paper from the exit area.



- 4** Raise the fusing unit release lever, close the front cover and then close the side cover by pressing the round projections near the side cover open button. The error indicator will go out and the ready indicator will light up.

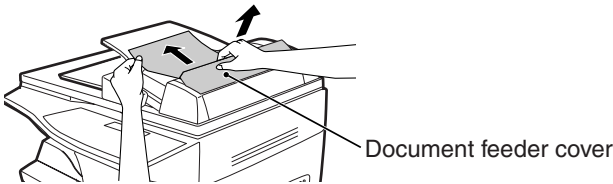


When closing the covers, be sure to close the front cover securely and then close the side cover. If the covers are closed in the wrong order, the covers may be damaged.

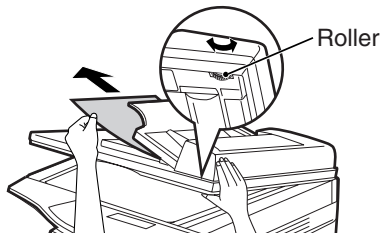
D: Misfeed in the ADF/RADF

An original misfeed may occur at one of three locations: if the misfed original is visible in the document feeder tray, (A) in the document feeder tray; if the misfed original is not visible in the document feeder tray, (B) in the exit area or (C) under the document feeder cover. Remove the misfed original following the instructions for each location.

- (A)** Open the document feeder cover and pull the original gently to the left and out from the document feeder tray. Close the document feeder cover. Open and close the ADF/RADF to clear the error indicator. If the misfed original cannot be easily removed, proceed to (C).



- (B)** Open the ADF/RADF and rotate the roller to remove the misfed original from the exit area. If the misfed original cannot be easily removed, proceed to (C).

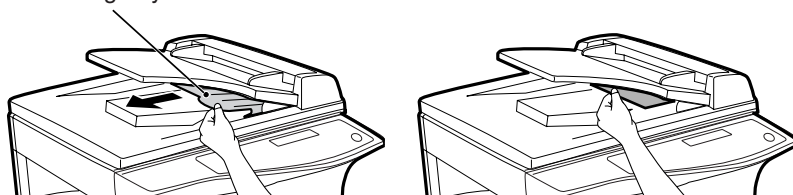


With the RADF, pull out the reversing tray to remove the misfed original.

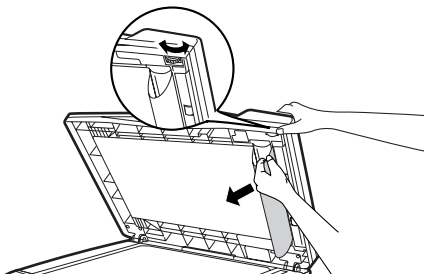



After removing a misfed original from the exit area of the RADF, be sure to insert the reversing tray into the exit area until it locks in place.

Reversing tray



(C) If the original does not move easily into the exit area, remove it in the direction of the arrow while rotating the roller.




"RETURN X ORIGINAL(S) START TO RESUME" will appear in the display. Return the indicated number of pages to the document feeder tray. Open and close the ADF/RADF to clear the error indicator, and then return the required number of originals. Press the [START] key () to resume copying.

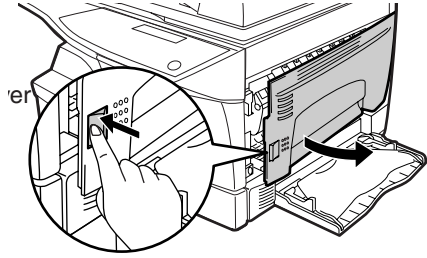
TONER CARTRIDGE REPLACEMENT

When toner is low, the error indicator will light up and "TONER CARTRIDGE IS NEAR EMPTY." will appear in the display to alert you to purchase a new toner cartridge. If copying is continued while the indicator is lit, copies will gradually become lighter until the toner runs out. When the toner runs out, the machine will stop operating, the error indicator will blink, and "REPLACE THE TONER CARTRIDGE" will appear in the display. Follow the procedure below to replace the toner cartridge.

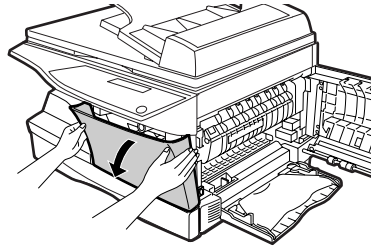


- After the machine stops, it may be possible to make a few more copies by taking the toner cartridge out of the machine, shaking it horizontally, then reinstalling it. If copying is not possible after this operation, replace the toner cartridge.
- During a long copy run of a dark original, "TONER REPLENISHMENT IN PROGRESS" appears in the display, and the machine may stop even though toner is left. The machine will feed toner up to 2 minutes and then the ready indicator will light up. Press the [START] key () to resume copying.

- 1** Open the bypass tray, and then open the side cover while pressing the side cover open button.

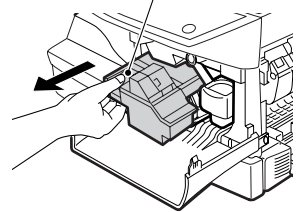


- 2** Push gently on both sides of the front cover to open the cover.



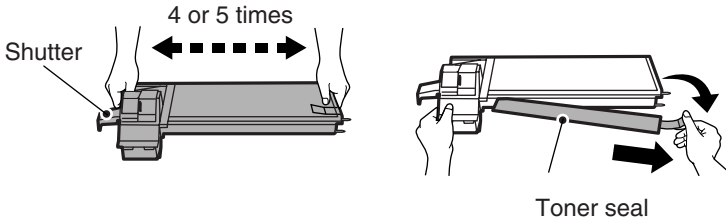
- 3** Gently pull the toner cartridge out while pressing the lock release lever.

Toner cartridge lock release lever



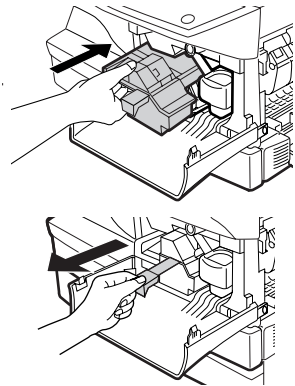
- After removing the toner cartridge, do not shake it or tap on it. Doing so may cause toner to leak from the cartridge. Put the old cartridge immediately in the bag contained in the box of the new cartridge.
- Dispose of the old toner cartridge in accordance with local regulations.

- 4** Remove the toner cartridge from the bag. Grasp the cartridge on both sides and shake it horizontally four or five times. After shaking the cartridge, remove the toner seal.

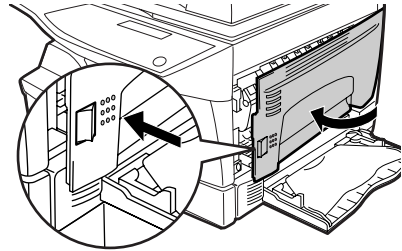
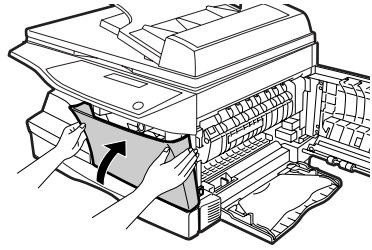


Grasp the toner cartridge as shown in the illustration. Do not hold the cartridge by the shutter. Be sure to only shake the cartridge before the toner seal is removed.

- 5** Gently insert the toner cartridge along the guides until it locks in place while pushing the lock release lever. Remove the tape from the shutter. Pull the shutter out of the toner cartridge as shown in the illustration. Discard the shutter.



6 Close the front cover and then the side cover by pressing the round projections near the side cover open button. The error indicator will go out and the ready indicator will light up.



Caution

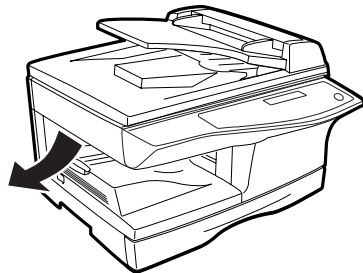
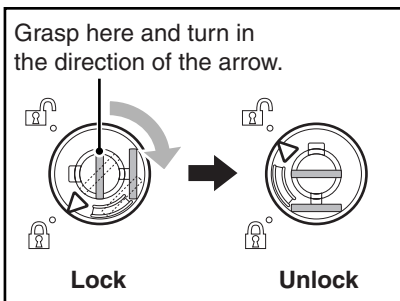
When closing the covers, be sure to close the front cover securely and then close the side cover. If the covers are closed in the wrong order, the covers may be damaged.

Note

Even after a new toner cartridge is installed, the start (⊕) indicator may not light up, indicating copying cannot be restarted (toner is not sufficiently fed). In this case, open and close the side cover. The copier will feed toner again approximately 2 minutes and then copying can be restarted.

SCAN HEAD LOCKING SWITCH

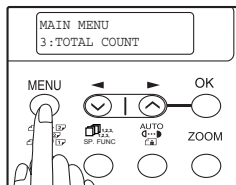
The scan head locking switch is under the original table. If the switch is locked (🔒), the unit will not operate. Unlock the switch (🔓) as shown below.



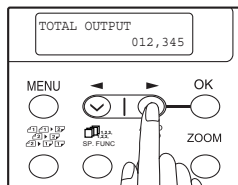
CHECKING THE TOTAL COUNT

You can check the total number of pages output by the machine (all pages printed by the copy function and printer function), as well as the output counts of each function (number of copies, number of scanned pages, number of faxes, etc.). When a count reaches 999,999 it returns to 0.

- 1** Press the [MENU] key.
Press the [◀] key (⏴) or [▶] key (⏵) until "TOTAL COUNT" appears, and then press the [OK] key.



- 2** Press the [◀] key (⏴) or [▶] key (⏵) to display the count of each function.



The count of each function changes as follows each the [◀] key (⏴) or [▶] key (⏵) is pressed:

- "TOTAL OUTPUT": Total number of pages output by the machine
- "COPIES": Total number of copies
- "ADF/RADF":*1 Total number of pages scanned using the ADF/RADF
- "2-SIDED PRINT":*2 Total number of pages printed by two-sided print
- "PRINTS": Total number of pages printed the printer function
- "FAX":*3 Total number of sent and received faxes
- "FAX SEND":*3 Total number of sent faxes
- "SCAN SEND": Total number of scans
- "TONER REMAINING": The remaining number of pages that can be printed with the toner cartridge is displayed.

*1 When ADF/RADF is installed.

*2 e-STUDIO151D only

*3 When the optional Facsimile Expansion Kit is installed.

MAINTENANCE REQUIRED

When the error indicator will blink and "MAINTENANCE REQUIRED CALL FOR SERVICE" will appear in the display, service by an authorized service technician is required. Contact your service center as soon as possible.

CLEANING THE MACHINE

Proper care is essential in order to get clean, TOSHIBA copies. Be sure to take a few minutes to clean the machine on a regular basis.



Do not spray flammable cleaner gas. Gas from the spray may come in contact with the internal electrical components or high-temperature parts of the fusing unit, creating a risk of fire or electrical shock.



- Before cleaning, be sure to turn the power switch off and remove the power cord from the outlet.
- Do not use thinner, benzene or other volatile cleaning agents. Doing so may cause deformation, discoloration, deterioration or malfunction.

Cabinet

Wipe the cabinet with a soft, clean cloth.

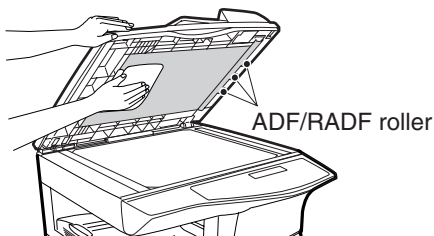
Document glass and the back side of the document cover/ADF/RADF

Stains on the glass, ADF/RADF scanning window, cover or ADF/RADF roller will also be copied. Wipe the glass, ADF/RADF scanning window, cover and ADF/RADF roller with a soft, clean cloth. If necessary, dampen the cloth with a glass cleaner.

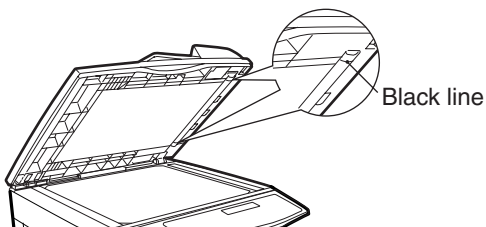
Document glass/scanning window



Document cover/ADF/RADF



Wipe the area marked by the black line in the illustration. If this area is dirty, copying from the ADF/RADF will not be possible.

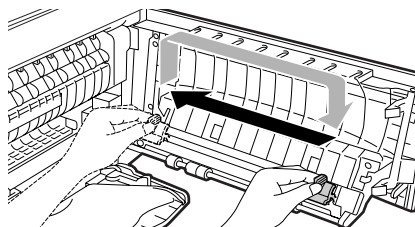
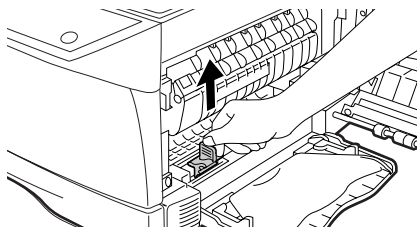


Transfer charger

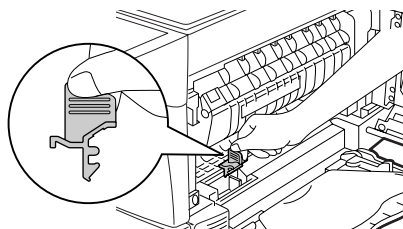
- 1** Turn the power switch off. (p.13)
- 2** Ensure that the bypass tray is open and then open the side cover while pressing the side cover open button.
- 3** Take the charger cleaner out by holding the tab. Set the charger cleaner onto the right end of the transfer charger, gently slide the cleaner to the left end, and then remove it. Repeat this operation two or three times.

**Note**

Slide the charger cleaner from the right end to the left end along the groove of the transfer charger. If the cleaner is stopped on the way, smudges on copies may occur.



- 4** Return the charger cleaner to its original position. Close the side cover by pressing the round projections near the side cover open button.



- 5** Turn the power switch on. (p.12)

SYSTEM CONFIGURATION

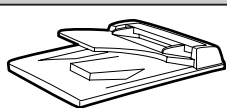
A number of options are available for the unit which allow you to configure a system to meet your particular needs. The options include the following.



Be sure to use only genuine TOSHIBA parts and supplies.

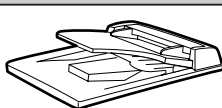
For best copying results, be sure to use only TOSHIBA Genuine Supplies which are designed, engineered, and tested to maximize the life and performance of TOSHIBA copiers. Look for the Genuine Supplies label on the toner package.

**Facsimile
expansion kit
(GD-1190)**

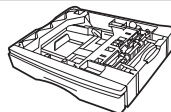


**Automatic
document feeder
(MR-2016)**

**Network
expansion kit
(GA-1170)**



**Reversible automatic
document feeder
(MR-3017)**



**250-sheet paper
feed unit
(MY-1026)**

FACSIMILE EXPANSION KIT (GD-1190)

This allows the machine to be used as a facsimile machine.

NETWORK EXPANSION KIT (GA-1170)

This allows the machine to be used as a network printer/network scanner.

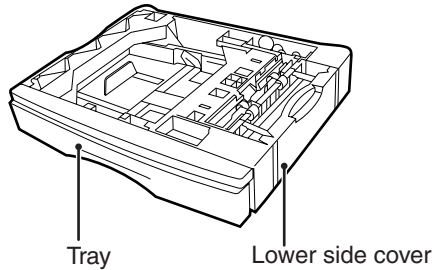
AUTOMATIC DOCUMENT FEEDER (MR-2016)/ REVERSIBLE AUTOMATIC DOCUMENT FEEDER (MR-3017)

The automatic document feeder (ADF)/the reversible automatic document feeder (RADF) hold up to 30 originals for automatic feeding. For the names of the parts of the ADF/RADF, see "PART NAMES" (p.9).

250-SHEET PAPER FEED UNIT (MY-1026)

The paper feed unit provide the convenience of increased paper capacity for the unit and a greater choice of paper size readily available for copying.

The procedures for loading paper in the paper tray of paper feed unit, changing the paper size, and selecting the paper tray are same as for the paper tray in the unit. See "LOADING THE PAPER TRAY" (p.15) and "SELECTING THE TRAY" (p.23).



Using the MY-1026 with the printer function

To use the MY-1026 with the printer function, follow these steps to adjust the settings in the printer driver.



The printer driver cannot be set for use with the MY-1026 when opened from the application.

1 Click the "start" button.

2 Click "Control Panel", select "Printer and Other Hardware", and then click "Printer and Faxes".

On Windows 98/Me/NT 4.0/2000, select "Setting" and click "Printers".

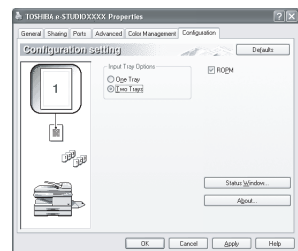
3 Click the "TOSHIBA e-STUDIOXXXX" printer driver icon and from the "File" menu select "Properties".

On Windows 98/Me, click the "TOSHIBA e-STUDIOXXXX" printer driver icon, select "Properties" from the "File" menu, and then click the "Setup" tab.

4 Click the "Utility" tab.

5 Select "Two trays" for "Input tray option", and click "OK".

The printer driver closes. This completes the settings needed to use the MY-1026.



OPTIONAL EQUIPMENT

Interface cable

Please purchase the appropriate cable for your computer.

USB interface cable

USB cable that supports USB 2.0.

Parallel interface cable

IEEE 1284-shielded type bi-directional parallel cable.

SPECIFICATIONS

Model	DP-1520	DP-1520D
Type	Multifunctional Digital Systems, Desktop	
Photoconductive type	OPC drum	
Document glass type	Fixed	
Copy/printing system	Dry, electrostatic transfer	
Originals	Sheets, bound documents	
Originals size	Max. A4 (8-1/2" x 14")	
Copy size	Max. A4 (8-1/2" x 14") Min. A6 (3-1/2" x 5-1/2") Image loss: Max. 4 mm (5/32") (leading and trailing edges) Max. 4.5 mm (11/64") (along other edges in total) Max. 6 mm (15/64") (trailing edge of the second copy of two-sided copying.)	
Copying speed (one-sided copying at 100% copy ratio)	15 copies/min. (A4)	
Continuous copy	Max. 99 copies; subtractive counter	
First-copy time* ¹	Approx. 9.6 sec.	
Warm-up time* ¹	Approx. 0 sec.	
Copy ratio	Document glass: Variable: 25% to 400% in 1% increments (total 376 steps) Fixed preset: 25%, 50%, 65%, 78%, 100%, 129%, 200%, 400% ADF/RADF: Variable: 50% to 200% in 1% increments (total 151 steps) Fixed preset: 50%, 71%, 86%, 100%, 141%, 200%	
Exposure system	Document glass: Moving optical source, slit exposure (stationary platen) with automatic exposure function ADF/RADF: Moving original	
Paper feed	One automatic feeding paper tray (250 sheets each) + bypass tray (50 sheets)	

APPENDIX

Fusing system	Heat rollers
Developer system	Magnetic brush development
Light source	Tri-colour CCD light source (CCD: 3 components; R, G, and B)
Resolution	Scan: 600 x 300 dpi Output: 600 x 600 dpi(AUTO/TEXT mode) Scan: 600 x 600 dpi Output: 600 x 600 dpi(PHOTO mode)
Gradation	Scanning: 256 Printing: 2 value
Power supply	Local voltage $\pm 10\%$ (For this machine's power supply requirement, see the name plate located on the back of the machine.)
Power consumption	Max. 1.0 kW
Overall dimensions (with bypass tray folded)	518 mm (W) x 503 mm (D) (20.4" (W) x 19.8" (D))
Weight*²	Approx. 16.8 kg (37.1 lbs.)
Dimensions	518 mm (W) x 503 mm (D) x 296 mm (H) (20.4" (W) x 19.8" (D) x 11.7" (H))
Operating conditions	Temperature: 10°C to 30°C (50°F to 86°F), Humidity: 20% to 85%
Noise level	Sound Power Level LwA(1B=10dB) Copying: 6.0[B] Standby: 3.2[B] Sound Pressure Level LpA (bystander positions) Copying: 46[dB(A)] Standby: 17[dB(A)] Sound Pressure Level LpA (operator position) Copying: 48[dB(A)] Standby: 18[dB(A)] Noise emission measurement in accordance with ISO 7779.
Emission concentration (measured according to RAL-UZ62: Edition Jan. 2002)	Ozone: 0.02 mg/m ³ or less Dust: 0.075 mg/m ³ or less Styrene: 0.07 mg/m ³ or less

*¹The copy time in the case when the power is turned on and copying using the document glass is started immediately after the power save indicator goes off (A4, paper fed from paper tray).

The first-copy time and warm-up time may vary depending on machine operating conditions and ambient conditions such as temperature.

The first-copy time takes about 30 seconds after pressing the [START] key.

*²Not including toner cartridges and developer unit.

Printer Function

Print speed*	15 ppm
Resolution	600 dpi
Memory	Approx. 10MB
Emulation	SPLC
Interface	IEEE 1284-compliant bi-directional parallel interface USB 2.0 (Full-Speed/Hi-Speed compatible interface)
Interface cables	[USB cable] USB cable that supports USB 2.0. Please purchase a commercially available USB cable. [Parallel cable] Shielded type cable Please purchase a commercially available parallel cable.

* When printing same document continuously on A4 plain paper in non-offset mode, excluding processing time.

Scanner Function

Type	Flatbed scanner
Scanning method	Document glass/ADF/RADF
Light source	Tri-colour CCD light source (CCD: 3 components; R, G, and B)
Resolution	Basic: 600 dpi x 1200 dpi Setting range: 50dpi - 9600dpi
Original types	Sheet media, books
Effective scanning area	216 mm (8.5") (Lengthwise) x 356 mm (14") (Width)
Scanning speed	2.88 msec/line
Input Data	1 bit or 12 bit
Output Data	R.G.B 1 or 8 bits / pixel / A/D 16 bit
Scanning colours	Black and white 2 value, Grayscale, Full colour
Protocol	TWAIN / WIA (Windows XP only) / STI
Interface	USB 2.0 (Full-Speed/Hi-Speed compatible interface)
Drop out colour	Yes
Supported operating systems	Windows 98/Me Windows 2000 Professional/Windows XP Home Edition/ Professional (Detailed information can be found in "BEFORE INSTALLATION" (p.37))
Void area	Top and bottom edges 4.0 mm (5/32") due to scanner driver Right and left edges 4.5 mm (11/64")
Interface cables	[USB cable] USB cable that supports USB 2.0. Please purchase a commercially available USB cable.
Scanner utilities	Button Manager / Desktop Document Manager

Network Expansion kit (GA-1170)

Dimensions	248 mm (W) x 120 mm (D) x 65 mm (H) (9-49/64" (W) x 4-45/64" (D) x 2-9/16" (H))
Weight	0.85 kg (1.9 lbs.)
Network expansion kit memory	Standard memory: 64 MB
Emulation	PLC5e, PCL6, PS3 (PostScript 3)*
Interface	10BASE-T/100BASE-TX network interface

* Available only if the PS3 expansion kit (GA-1180) is installed.

Automatic Document Feeder (MR-2016)/ Reversible Automatic Document Feeder (MR-3017)

Acceptable originals	Weight: 52 gm ² to 90 gm ² (14 lbs. to 23.9 lbs.) Size: A5 to A4 (5-1/2" x 8-1/2" to 8-1/2" x 14") Capacity: Up to 30 sheets
Power supply	Drawn from the machine
Weight	MR-2016: 4 kg (8.9 lbs.), MR-3017: 5 kg (11.7 lbs.)
Dimensions	498 mm (W) x 380 mm (D) x 110 mm (H) (19.6" (W) x 15.0" (D) x 4.3" (H))

250-sheet paper feed unit (MY-1026)

Paper size	A5 to A4 (5-1/2" x 8-1/2" to 8-1/2" x 14")
Paper weight	56g/m ² to 80g/m ² (15 lbs. to 21 lbs.)
Paper capacity	One paper tray with capacity for 250 sheets of 80g/m ² (21 lbs. bond) paper
Weight	3kg (6.6 lbs.)
Dimensions	498mm (W) x 395mm (D) x 88mm (H) (19.6" (W) x 15.6" (D) x 3.5" (H))
Power supply	Drawn from the unit



As a part of our policy of continuous improvement, TOSHIBA reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

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INDEX

Symbols

[#] key.....	10, 27, 29, 32
[◀] key	10
[▶] key	10

2

2 IN 1 copy	31
250-sheet paper feed unit	90, 96
[2-SIDED COPY ] key.....	10, 27, 28

A

About the operation manuals	6
ADF/RADF	9
ADF/RADF indicator	10
Appendix	92
Audible signals	68
Auto clear	12
Auto power shut-off mode	13
Automatic two-sided copying.....	26

B

Basic procedure for printing	58
Before installation	37
Button Manager.....	36
Bypass feed.....	17
Bypass tray.....	9, 17, 18, 79, 84
Bypass tray paper guides	9, 18

C



Canceling a print job.....	58
Capacity of paper output tray	22
Caution	
- Handling the machine.....	4
- Label on the machine	3
- Selecting an installation site	3
- Using the machine.....	3
Changing a tray's paper size setting.....	19
Charger cleaner.....	9, 89
Checking the total count	87
Cleaning the machine	
- ADF/RADF	88
- ADF/RADF scanning window	88
- Cabinet.....	88
- Document glass.....	88
- Transfer charger.....	89
[CLEAR ALL] key	11, 12, 58

[CLEAR] key	10, 20, 21, 23, 29, 30, 58, 79
Connecting the machine to your computer	
- Parallel cable.....	56
- USB cable	55
Convenient copy functions	26
Conventions used in this manual and online manual	6

D

Desktop Document Manager.....	36
Difference between models.....	7
Display.....	10
Display messages	69
Desktop Document Manager.....	36
Document feeder cover	9, 82
Document feeder tray.....	9, 21
Document glass.....	9, 31

E

Envelopes.....	17
Environmental information.....	5
Error indicator.....	10, 69, 79
[E-SORT/SP.FUN ] key	10, 29, 30, 31, 33, 34
Exit area	9
[EXPOSURE ] key	10, 24
Exposure value guidelines	24

F

Facsimile expansion kit	90
Front cover	9, 81, 84
Fusing unit release lever	9, 80, 81

H

Handles	9
Hardware and software requirements	37
How to place the original.....	20
How to use the online manual.....	61

I

Initial settings.....	12
Installation environment and usable software.....	37
Installing Acrobat Reader.....	61
Installing the software	
- Custom installation.....	40
- Standard installation.....	38
Interface cable.....	91
Introduction.....	6

L

Language setting.....	12
Loading paper.....	14
Loading paper in the bypass tray.....	18
Loading the paper tray.....	15
Long edge.....	26

M

Main features.....	7
Maintenance.....	69
Maintenance required.....	87
Making copies.....	20
Margin shift.....	34
Margin width.....	64
[MENU] key.....	10
MFP driver.....	36
Misfeed removal	
- ADF/RADF.....	82
- Fusing area.....	80
- Paper feed area.....	80
- Transport area.....	81
Mode indicators.....	10
[MODE SELECT] key.....	10

N

Network expansion kit.....	90
Normal copying	
- ADF/RADF.....	21
- Document glass.....	20
Numeric keys.....	10, 23

O

Offset function during sort copy.....	30
[OK] key.....	10
Operation in copy, printer, and scanner modes.....	60
Operation panel.....	9, 10
Optional equipment.....	90
Original guides.....	9, 21
Original types.....	24

P

Paper.....	14
Paper holder arm.....	9, 22
Paper output tray.....	9
Paper output tray extension.....	9, 22
Paper tray.....	9, 15
Parallel connector.....	9, 56
Part names.....	9
Photoconductive drum.....	9
Plug and play screen does not appear.....	76
Power cord.....	9
Power off.....	13
Power on.....	12
Power save indicator.....	10
Power save modes.....	13
Power switch.....	9, 12, 13
Preheat mode.....	13
Preparations.....	9
Printer driver.....	36
Printer/scanner functions.....	57
Problems during setup of the software.....	75

R

Ready indicator 11, 12, 86
Reduction/enlargement/zoom 25
Removing the software..... 78
Reversing tray 9, 82
Roller rotating knob 81

S

Scan head locking switch 86
Scanner driver 36
Scanning from the operation panel .. 59
Scanning from your computer 60
Selecting a setting for a user
program 67
Selecting the tray..... 23
Set up the software 36
Setting the number of copies..... 23
Setting up button manager 51
Short edge..... 26
Side cover 9, 79, 84
Side cover open button 9
Sort copy 29
Special papers..... 15
Specifications 92
[START] key 11, 20, 21
Stream feeding mode 22
System configuration 90
System requirements for USB 2.0.... 57

T

Toner cartridge 9, 83
Toner cartridge lock release lever 84
Toner cartridge replacement 83
Transfer charger..... 9
Tray location indicator 10, 69
[TRAY SELECT] key 10, 18, 23
Troubleshooting..... 69

U

USB connector 9, 55
User programs
- Copy mode 62
- Print mode 66
User settings 62
Using the manual 6
Using the printer mode 58
Using the scanner mode 59

Z

[ZOOM] key 11, 25

INDEX BY PURPOSE

Preparations

Paper, loading	
- Bypass tray	17
- Paper tray	15
Power, turn off	13
Power, turn on	12
Scan head locking switch, releasing	86
Tray's paper size, setting	19
User program, setting	62

Making copies

Copying	
- ADF/RADF	21
- Document glass	20
Enlarging/reducing copies	25
Exposure, adjusting	24
Exposure, selecting	24
Setting the number of copies	23
Stream feeding mode, using	22
Tray, selecting	23

Using convenient copy functions

2 IN 1 copying, using	
- ADF/RADF	33
- Document glass	31
Automatic two-sided copying	
- Document glass	27
- RADF	28
Margin shift, using	24
Sort copying, using	
- ADF/RADF	30
- Document glass	29

Connecting the computer

Acrobat Reader, installing	61
Basic procedure for printing	58
Button Manager, setting up	
- Windows 98/Me/2000	53
- Windows XP	51
Installing the software	38
Online manual, using	61
Print job, canceling	58
Printer mode, using	58
Scanner mode, using	59
Scanning from your computer	60
Scanning using the keys on the machine	59

Troubleshooting and maintenance

Checking the total count	87
Cleaning the machine	
- ADF/RADF	88
- Cabinet	88
- Document glass	88
- Drum cartridge	89
- Transfer charger	89
Misfeeds, removing	
- ADF/RADF	82
- Fusing area	80
- Paper feed area	80
- Transport area	81
Toner cartridge, replacing	83

MEMO

MEMO

MEMO

At the production line, the output power of the scanner unit is adjusted to 0.57 MILLI-WATT PLUS 20 PCTS and is maintained constant by the operation of the Automatic Power Control (APC). Even if the APC circuit fails in operation for some reason, the maximum output power will only be 15 MILLI-WATT 0.1 MICRO-SEC. Giving an accessible emission level of 42 MICRO-WATT which is still-less than the limit of CLASS-1 laser product.

Caution

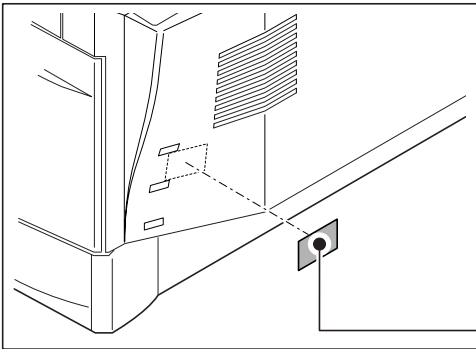
This product contains a low power laser device. To ensure continued safety do not remove any cover or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.



Laserstrahl

CAUTION INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
VORSICHT UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHLEN AUSSETZEN.
ADVARSEL USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.

ADVERSEL USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VARNING OSYNLIG LASERSTRÅLING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRRAR ÄR URKOPPLADE. STRÅLEN ÄR FARLIG. BETRakta EJ STRÅLEN.
VARO! AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALLTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.



VAROITUS! LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

VARNING - OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERATS, KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.

**CLASS 1
LASER PRODUCT
LASER KLASSE 1**

LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT

MULTIFUNCTIONAL DIGITAL SYSTEMS
Operator's Manual For Basic Function

e-STUDIO151/151D

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