

Cleaning

Periodic cleaning of the printer is recommended. The frequency of cleaning is dependent upon the environment in which the printer is used. You should clean the printer:

- At least once a month.
- When the printer experiences frequent media jams.
- When print quality has deteriorated.

■ External

- 1** Turn the power OFF.
- 2** Clean all the covers with a soft cloth. Use any mild commercial cleaner.

Caution:

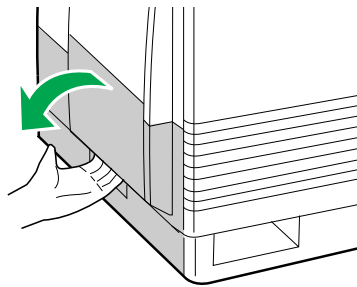
Do not use benzine, thinner, aerosol cleaners, or any abrasive powder.

■ Internal

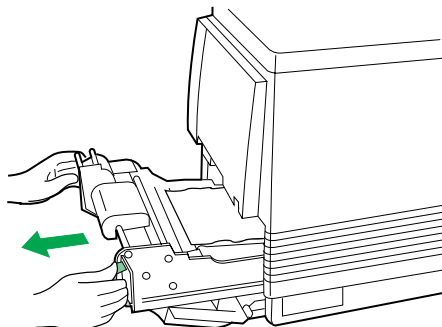
When using isopropyl alcohol with a lint-free cloth, make sure that the alcohol is at least 90% pure, obtainable from your local pharmacy. (Do not use rubbing alcohol; it can damage the printer.)

Cleaning the paper-pick rollers

- 1** Slide the media tray out (you do not have to remove it) to allow access to the paper-pick rollers.
- 2** Open the left side cover.

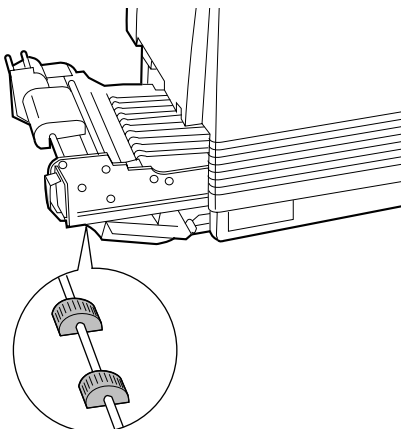


- 3** Use the green handles to pull out the paper feeder.

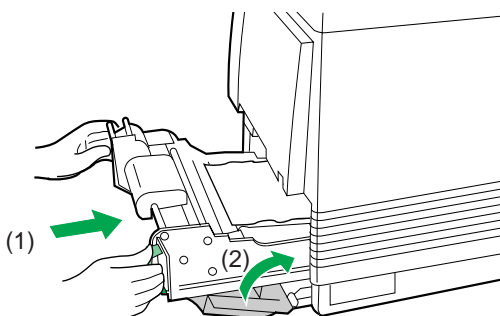


Care and Maintenance

- 4 Gently rotate the paper-pick rollers 180° (the paper-pick rollers are D-shaped) and wipe them with a lint-free cloth that has been moistened with isopropyl alcohol.



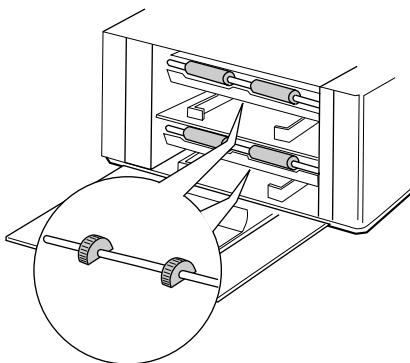
- 5 Reinsert the paper feeder (1) and close the left side cover (2).



- 6 Slide the media tray back into place.

Note:

If you have an optional paper feeder installed, you may also need to clean the rollers for the middle and lower media trays, which are accessed through the lower left side cover.

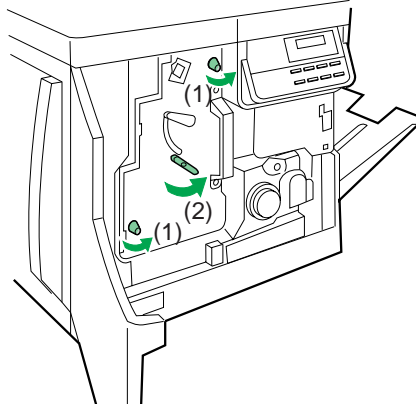


Cleaning the home sensor

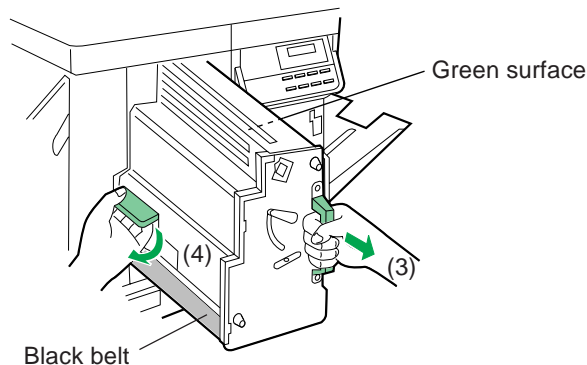
- 1 Open the printer's front cover.

2 Remove the imaging unit:

- (1) Loosen the two thumbscrews by turning them counterclockwise.
- (2) Turn the lower green lever 180° counterclockwise.



- (3) Grasping the front green handle, slide the imaging unit out until it catches.
- (4) Lift up the left green handle. Pull the imaging unit out of the printer and cover it to protect it from light exposure.



Important:

Do not touch the green surface (the right side) or the black belt (the underside). Finger prints may affect the print quality.

Safety Caution:

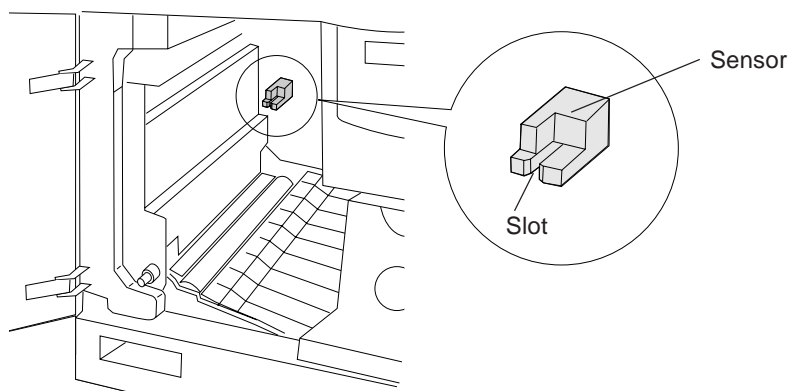
The imaging unit weighs approximately 6.5 kg (14.3 lbs.). Always use the handles when lifting it.

Cautions:

- Do not expose the imaging unit to artificial light for more than 45 seconds; or you may damage the unit. Never expose it to direct sunlight.
- Do not leave the printer's front cover open for an extended period of time (for example, several hours).

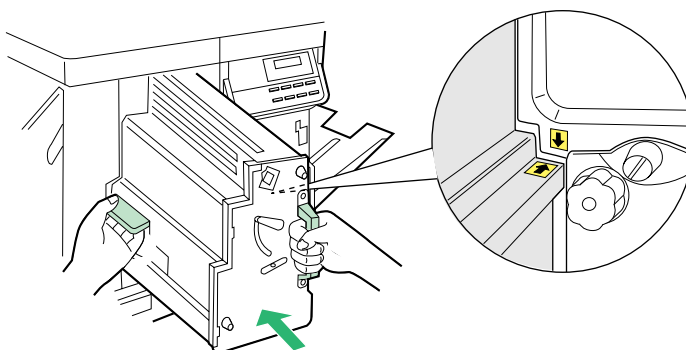
Care and Maintenance

- 3** Use a dry, lint-free cloth to wipe the slot of the sensor.

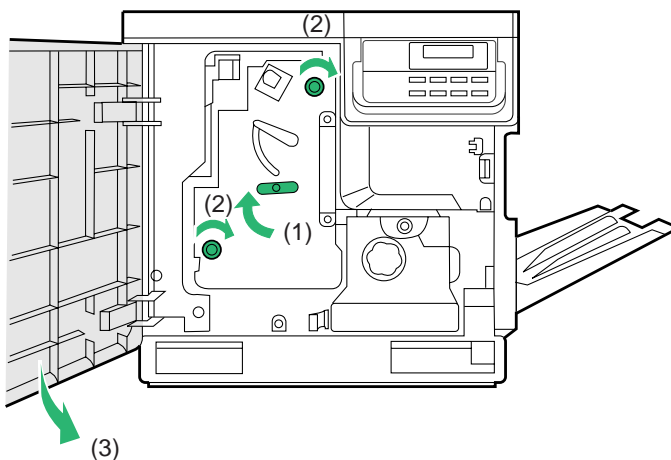


- 4** Reinsert the imaging unit into the printer, holding it by its green handles.

Match the arrow on the right side of the imaging unit with the arrow on the printer, and slightly push the imaging unit into the printer. Then release the left handle and push the unit in until it stops.

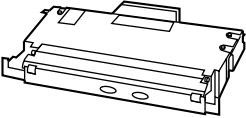
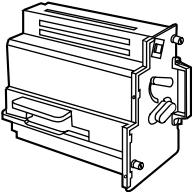


- 5**
- (1) Turn the lower green lever clockwise 180° to insert the unit completely and to lock it.
 - (2) Tighten the two green thumbscrews by turning them clockwise.
 - (3) Close the front cover.



User Replaceable Components

When the printer panel indicates that a supply needs to be replaced, make sure that you have replacement supplies on hand. The printer may continue to print until the supply is completely used up; then it stops until you replace the indicated supply.

Printer component	Printer panel message	Average life ^{*1}
Toner developers 	<div>Toner low TD-80x (Colour)</div> <p>Change the colour toner developer soon.</p>	10,000 pages (CMY) ^{*2}
	<div>Replace Toner TD-80K (Black)</div> <p>Change the black toner developer now.</p>	12,000 pages (Black) ^{*2}
Colour imaging unit 	<div>Warning IU-80 Imaging unit</div> <p>Change the Imaging unit soon.</p>	Monochrome 57,000 pages or Colour 14,250 pages
	<div>Replace IU-80 Imaging unit</div> <p>Change the Imaging unit now.</p>	Monochrome 60,000 pages or Colour 15,000 pages

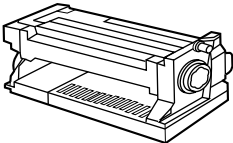
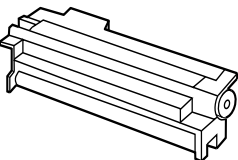

^{*1}These figures are based on an average of 5% coverage of the printable area and standard density for any one colour. The frequency of replacement will vary depending on the complexity of the prints and the percentage of coverage and print density.

^{*2}The starter developers that are shipped with the printer have an average life of approximately 3,000 pages, based on an average of 5% coverage.

Note:

If you print with high density when Toner low is displayed, you may get faded printout before Replace Toner is displayed.

Care and Maintenance

Printer component	Printer panel message	Average life
Fuser unit ^{*1} (Oil supply roll installed) 	<div>Warning FK-80 Fuser KIT</div> Change the Fuser unit soon.	28,500 pages
	<div>Replace FK-80 Fuser KIT</div> Change the Fuser unit now.	31,000 pages
Oil supply roll 	<div>Warning OS-80 Oil supply roll</div> Change the Oil supply roll soon.	15,000 pages
	<div>Replace OS-80 Oil supply roll</div> Change the Oil supply roll now.	15,500 pages
Transfer unit 	<div>Warning TU-80 Transfer roller</div> Change the Transfer unit soon.	80,000 pages

^{*1}Transparencies, coated paper, and other specialty media will result in shortening the life of a consumable. When replacing the fuser unit, replace the oil supply roll as well. Do not insert the used oil supply roll into the new fuser unit.

Clearing a Jam

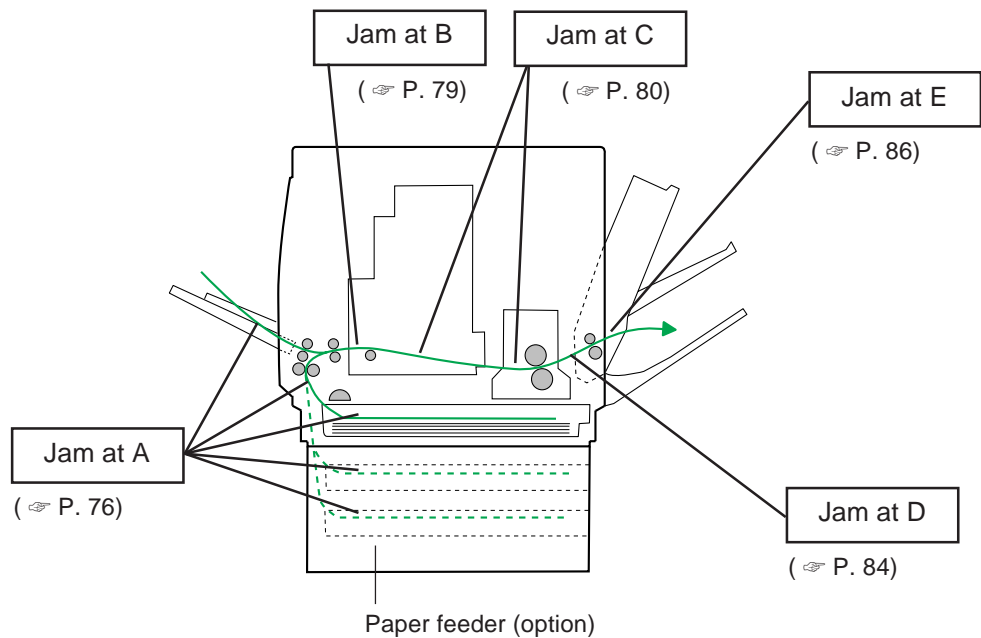
■ Clearing a media jam

If the printer has frequent media jams, make sure that you follow these guidelines:

- Always use high-quality plain paper and transparencies. Refer to pages 111 and later.
- Make sure that you load specialty media only in the multi-purpose tray and that you set the media thickness switch to the correct setting for the media used.

If a media jam occurs, the printer panel reports “Paper Jam.” It is followed by one of the letters A through E that correspond to the various sensors throughout the paper path.

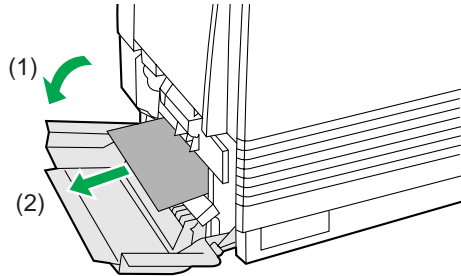
The following illustration shows the locations of the sensors that report media jams (A through E).



■ Jam at A

1A (1) Open the left side cover corresponding to the selected media cassette.

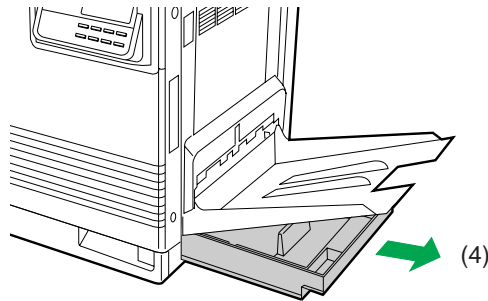
(2) Remove the jammed media.



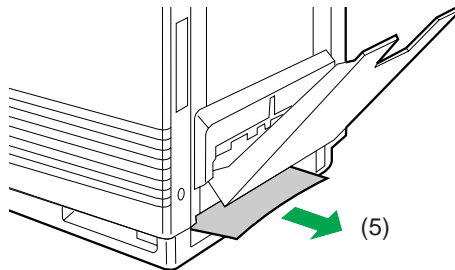
(3) Close the left side cover.

— OR —

(4) Remove the media cassette.



(5) Remove the jammed media from inside the printer.

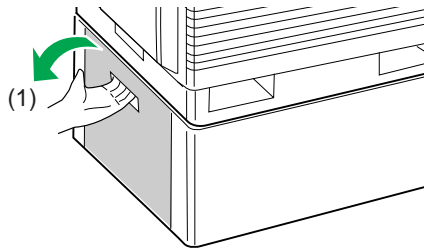


(6) Reinsert the media cassette.

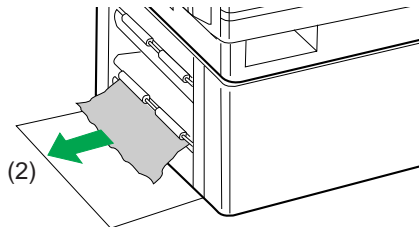
(7) Open and close the front cover to clear the error message from the message display.

(Paper feeder)

1B (1) Open the lower left side cover.



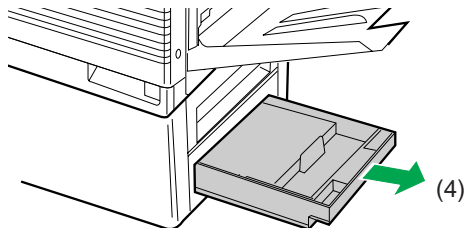
(2) Remove the jammed media.



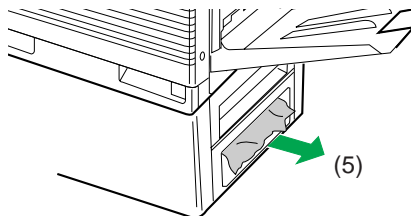
(3) Close the lower left side cover.

— OR —

(4) Remove the selected media cassette (middle or lower media tray).



(5) Remove the jammed media from inside the printer.



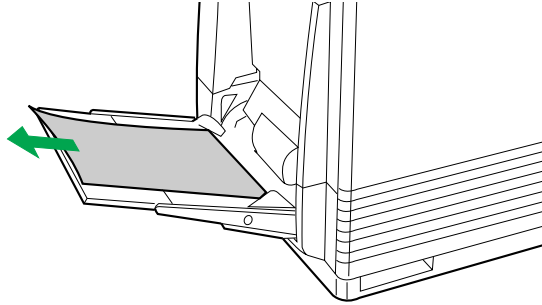
(6) Reinsert the media tray.

(7) Open and close the front cover to clear the error message from the message display.

Care and Maintenance

(Multi-purpose tray)

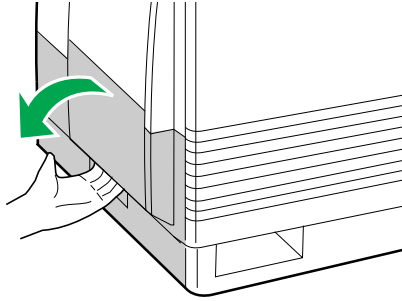
1c Remove the jammed media from the multi-purpose tray.



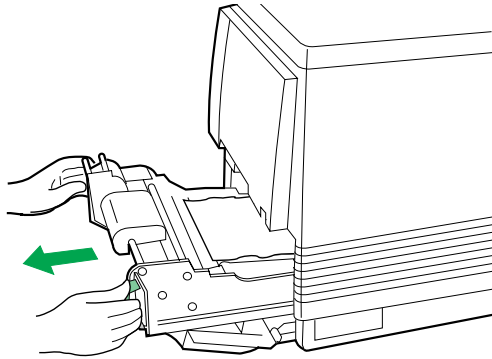
2c Open and close the front cover to clear the error message from the message display.

■ Jam at B

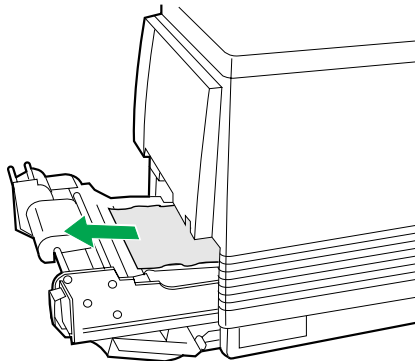
- 1 Open the left side cover.



- 2 Use the green handles to pull out the paper feeder.



- 3 Remove the jammed media on the paper feeder.



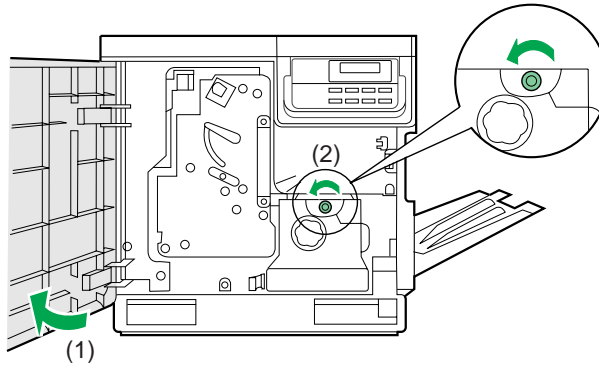
- 4 Reinsert the paper feeder and close the left side cover.

Care and Maintenance

■ Jam at C

1 Remove the fuser:

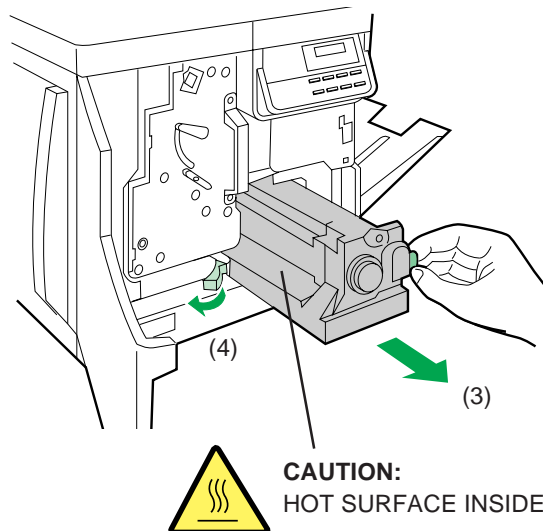
- (1) Open the printer front cover.
- (2) Turn the small green thumbscrew counterclockwise to unlock the fuser.



Safety Caution:

- The fuser is hot. To avoid personal injury, turn off the printer and wait 10 minutes (after opening the front cover) for the fuser to cool before touching it.

- (3) Holding the green tab on the right, slide the fuser out until the safety catch stops it.
- (4) Press the green lever on the left to release the safety catch.

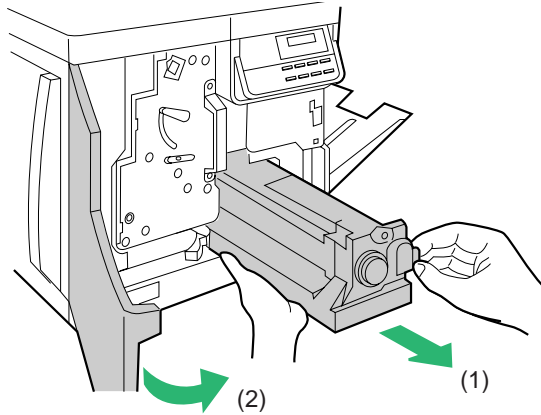


- 2** (1) Hold the fuser as shown below, and slide it out of the printer.

Safety Caution:

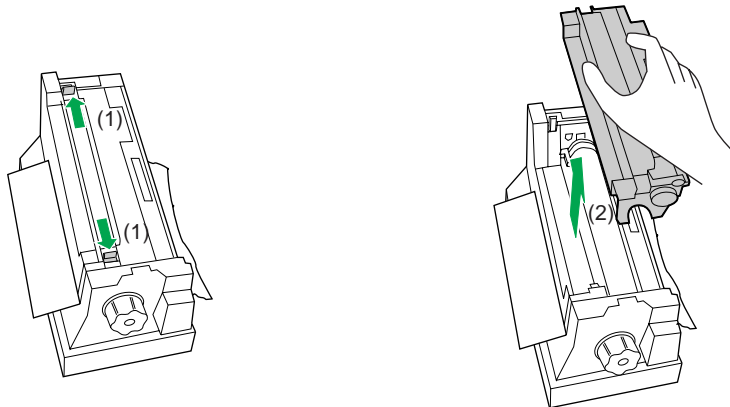
The fuser unit weighs approximately 3.1 kg (6.8 lbs.). Take care when handling it.

- (2) Close the front cover.



- 3** Remove the oil supply roll:

- (1) Press out on tabs to unlock the oil supply roll.
(2) Remove the oil supply roll out of the fuser.



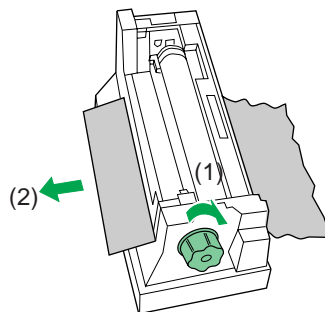
Note:

If the paper is not jammed in the fuser unit, perform the following.

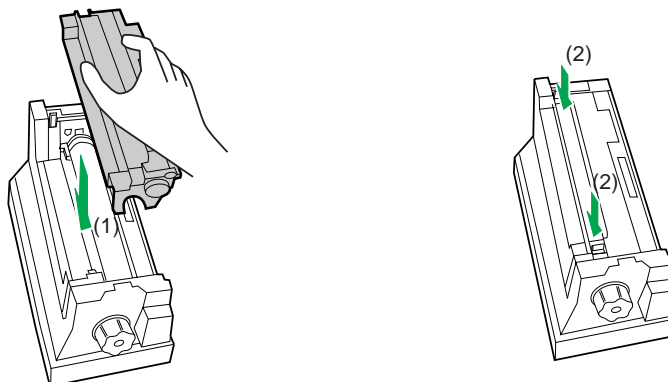
- (1) Repeat steps 1 to 4 of Jam B on page 79.
(2) Skip step 4 and go to step 5.

Care and Maintenance

- 4** (1) Turn the fuser's large green knob clockwise.
(2) Remove the jammed media.



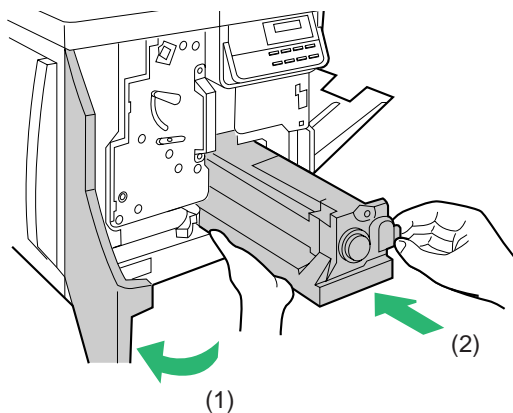
- 5** (1) Replace the oil supply roll into the fuser.
(2) Press down firmly on the oil supply roll to snap both sides into place.



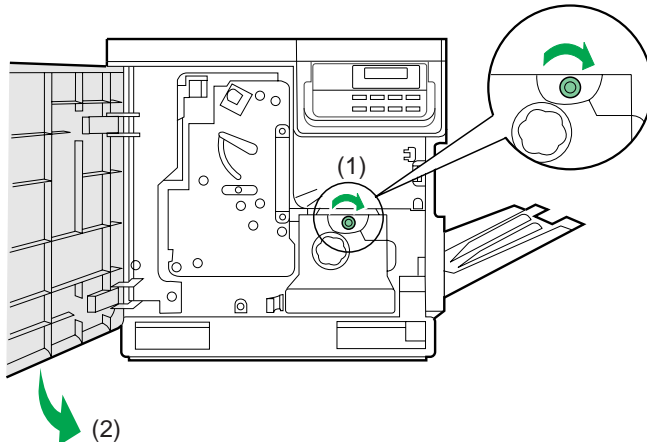
Caution:

If the oil supply roll is not installed correctly, print quality will be diminished.

- 6** (1) Open the front cover.
(2) Slide the fuser back into the printer.



- 7** (1) Turn the small green thumbscrew clockwise to lock the fuser.
(2) Close the front cover.



Care and Maintenance

■ Jam at D

Safety Caution:

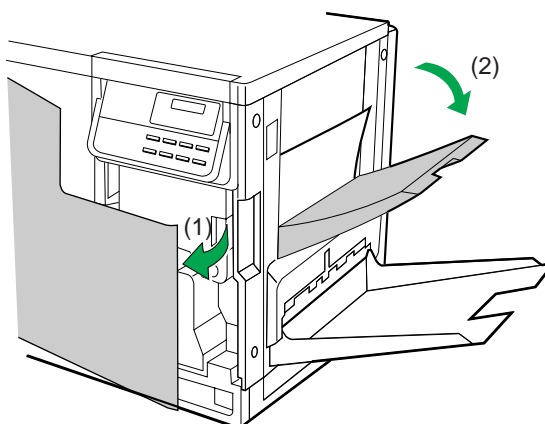
The fuser is hot. To avoid personal injury, turn off the printer and wait 10 minutes (after opening the front cover) for the fuser to cool before touching it.

Note:

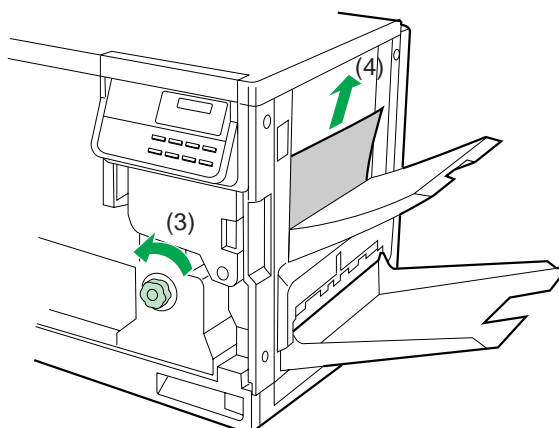
First check the exit opening for media that has jammed and folded like an accordion. It is especially difficult to see if the media is transparency film.

1A (Printing face down)

- (1) Open the front cover.
- (2) Pull open the access door (above the plastic output tray). See if the media is visible.



- (3) Turn the large green knob on the fuser counterclockwise.
- (4) Remove the media from inside the access door.



Caution:

If the fuser knob will not turn, do not force it, or you may damage the fuser. Instead, follow these steps:

- a) Unlock the fuser by turning the small green thumbscrew counterclockwise.
- b) Pull the fuser out. The media will probably tear.
- c) Remove the oil supply roll.
- d) Turn the fuser's large green knob to release the jammed media.
- e) Remove the jammed media from the fuser and the printer.

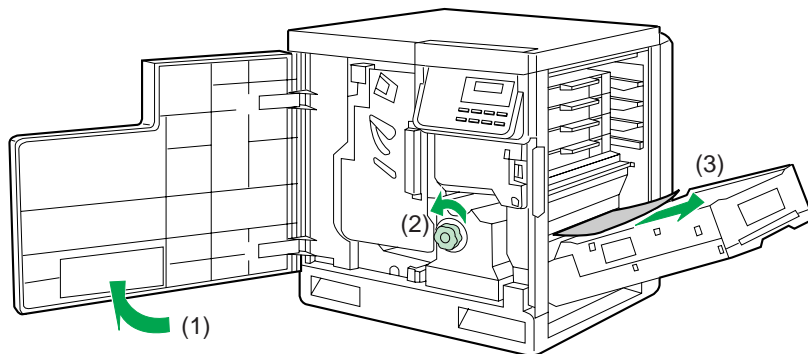
Safety Caution:

The fuser is hot. To avoid personal injury, turn off the printer and wait 10 minutes for the fuser to cool before touching it.

Close the front cover.

1B (Printing face up)

- (1) Open the front cover and the right side cover.
- (2) Turn the fuser's large green knob counterclockwise to release the jammed media.
- (3) Remove the jammed media from the right side of the printer.

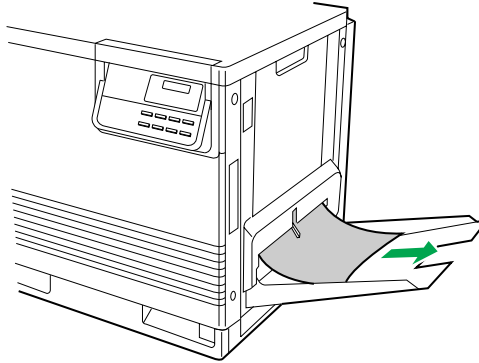


- (4) Close the front cover and the right side cover.

Care and Maintenance

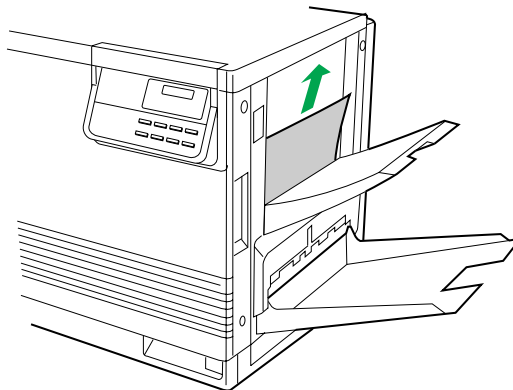
■ Jam at E

- 1** Remove the jammed media from the output tray.



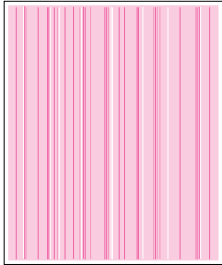

— OR —

Pull open the access door (above the plastic output tray) and remove the media.

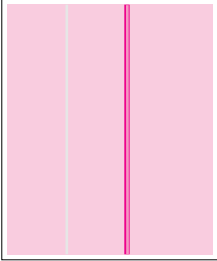
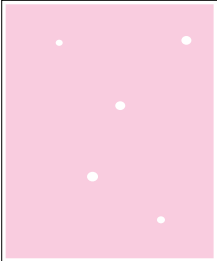
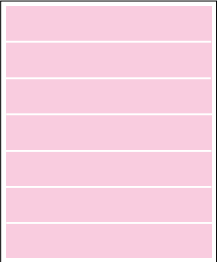


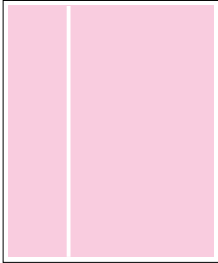
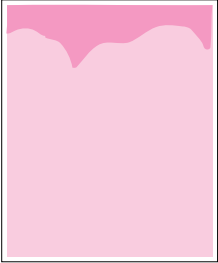
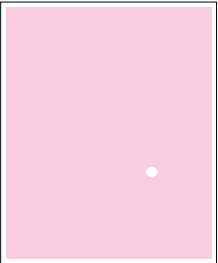
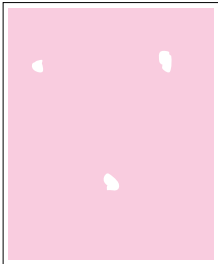
- 2** Open and close the front cover to clear the error message from the message display.

Troubleshooting

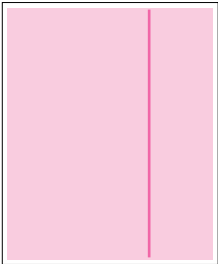
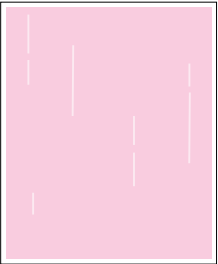
Trouble	Possible Cause	Corrective Action
<p>A single colour is not uniform or many vertical streaks (both light and dark) of slightly different density and non-uniform colour.</p> 	The toner is almost depleted.	Replace the colour toner developer.
<p>Half tone area has areas of weak colour.</p> 	Paper doesn't match the environmental conditions, or it has too much moisture.	<p>Try fresh paper, or another type of paper.</p> <p>Store media in the original, dust-free package in the same environmental conditions as the printer.</p>
A single colour appears faded.	The colour density is set incorrectly in the printer panel.	Check the density setting by printing the Colour Calibration Page in the Colour Calibration menu from the printer panel. Compare the settings with the colour density samples on the Colour Calibration Reference and, if necessary, adjust the density from the printer panel. Refer to Setting the Colour Density on page 31.
	The toner is almost depleted.	Replace the colour toner developer soon (depending on the complexity of your prints, you can continue to print up to 100 more pages).

Care and Maintenance

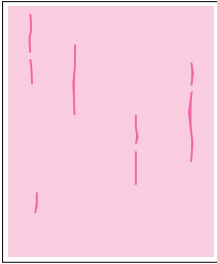
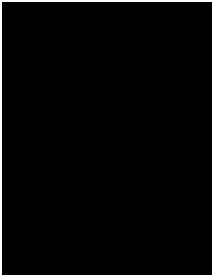
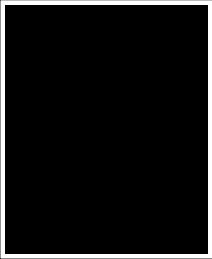
Trouble	Possible Cause	Corrective Action
<p>A single colour has a sharp, dark or light vertical streak.</p> 	<p>The toner developer is almost depleted and is not properly applying toner.</p>	<p>Replace the colour toner developer.</p>
<p>Small white spots appear on OHP transparency.</p> 	<p>OHP transparency has dust on its surface.</p>	<p>Remove dust or stain from OHP transparency.</p>
<p>A single colour shows a light, repeating horizontal line.</p> 	<p>The roller in the toner developer has a slight impression after a long period of storage.</p>	<p>Run 20-30 prints. The impression will disappear with continued time and use.</p>
<p>Prints are missing fine-line detail.</p>	<p>The imaging unit has reached its useful life.</p>	<p>Replace the imaging unit.</p>
<p>Dark colour spots and dark or light streaks appear in all colours.</p>	<p>The imaging unit has reached its useful life.</p>	<p>Replace the imaging unit.</p>

Trouble	Possible Cause	Corrective Action
<p>Straight, thin light vertical line in colours.</p> 	<p>The photosensitive belt inside the imaging unit is scratched.</p>	<p>Replace the imaging unit.</p>
<p>Each colour “bleeds” into the colour band.</p> 	<p>The imaging unit’s internal waste toner box is full.</p>	<p>Replace the imaging unit.</p>
<p>A single white spot appears in approximately the same vertical place on the page.</p> 	<p>The imaging unit is damaged.</p>	<p>Replace the imaging unit.</p>
<p>Large light spot(s) appear randomly.</p> 	<p>Fingerprint(s) on the underside belt or photosensitive belt (inside) of the imaging unit.</p>	<p>Print several pages until the spots fade.</p>


Care and Maintenance

Trouble	Possible Cause	Corrective Action
<p>One or more dark vertical lines appear on the print in all colours.</p> 	<p>The imaging unit is scratched.</p>	<p>Replace the imaging unit; make sure that the old imaging unit is not exposed to light for more than 45 seconds.</p> <p>If a new imaging unit does not correct the problem:</p> <ul style="list-style-type: none"> • Put the old imaging unit back into the printer. • Repack the new imaging unit.
	<p>The fuser is damaged.</p>	<p>Replace the fuser.</p>
<p>A piece of the printed image is missing and reappears out of place, approximately 129 mm (5") down the page.</p>	<p>The fuser's internal roller is not being consistently oiled. or The fuser's internal roller is contaminated with toner particles</p>	<p>Print 5-10 pages of blank pages to clean the roller. If you still see the problem: Replace the oil supply roll. If you still see the problem: Replace the fuser.</p>
<p>The surface of the printed image appears to have vertical scratches (visible by holding the print at an angle and observing the "shine" of the image). At first, the scratches appear only on the printed image; eventually, dark vertical scratches appear on the unprinted portion of the page.</p>	<p>The fuser is near its useful life.</p>	<p>Replace the fuser (depending on your quality needs, you can continue to print until the dark vertical lines appear).</p>
<p>Media frequently wraps around the fuser.</p>	<p>The oil supply roll has reached its useful life.</p>	<p>Replace the oil supply roll.</p>
<p>Light vertical streaks appear in all colours.</p> 	<p>The main charge grid is dirty.</p>	<p>Replace the imaging unit.</p>

Care and Maintenance

Trouble	Possible Cause	Corrective Action
<p>Dark and wavy vertical streaks appear in all colours.</p> 	The main charge grid is dirty.	Replace the imaging unit.
<p>The entire page prints in black, including the borders.</p> 	Bad electrical contact for the main charge grid.	Reinsert the imaging unit to correct the contact for the main charge grid.
	The main charge grid is broken.	Replace the imaging unit.
Toner spots appear on the back of the media.	The transfer unit is worn out.	Replace the transfer unit.
<p>The page prints in black in the image area only. (The borders are clear.)</p> 	Either the image processor board or engine control board is not functioning properly.	Turn the printer off and back on again. If the problem persists, call for service on your printer.

Care and Maintenance

Trouble	Possible Cause	Corrective Action
<p>The page is completely blank.</p> 	<p>The problem could be with one of the following:</p> <ul style="list-style-type: none"> • Engine control board. • Developer voltage. • Laser scanning unit mirror. 	<p>Turn the printer off and back on again. If the problem persists, call for service on your printer.</p>
<p>“Call service person ...” is displayed on the message display.</p>	<p>An error occurred that is not user-correctable.</p>	<p>Turn the printer off and back on again. If the error persists, call for service.</p>

■ If you can't make a print

Trouble	Possible Cause
<p>The printer does not operate.</p>	<p>Make sure that you plugged in the printer and turned it on.</p>
	<p>Make sure that you connected the interface cable(s) properly.</p>
<p>The printer does not print.</p>	<p>If the communication link between your computer and the printer is working but the printer ejects a blank page when printing from your application or through Windows. Make sure that the appropriate driver is installed and that you have selected the printer correctly.</p>

Trouble	Possible Cause	Corrective Action
<p>The printer does not print correctly.</p>	<p>The computer is not properly communicating with the printer.</p>	<p>Follow the procedure below and disable the bi-directional interface.</p> <p>Under Windows 95:</p> <ol style="list-style-type: none"> 1. Click Start, select Settings, then click Printers. 2. Click the Kyocera FS-5800C icon. 3. Click the File menu, then click Properties. 4. Click the Details tab and Spool settings... 5. Click Disable bi-directional support for this printer, then click OK.

■ Media problems

Trouble	Possible Cause
Frequent paper-picking errors	Fan the paper or transparencies before installing them in their respective cassettes; this is especially important for transparencies because they tend to stick together.
	Make sure that you have loaded paper in the paper tray and transparencies in the transparency cassette.
	Make sure that the media is installed under the hooks at the front of the media cassette.
	If printing on transparencies and your printer has an option Paper Feeder, make sure that the transparency cassette is installed in the upper or middle tray slot.
	Clean the paper-pick rollers (⇨ P. 69).
Frequent media jams	Make sure that you use a high-quality laser paper: 60-105 g/m ² (16-28 lbs.) paper in the media cassettes and 75-165 g/m ² (20-44 lbs.) paper in the multi-purpose tray.
	If you are using media that is 105 g/m ² (28 lbs.), check if the Face Down media output setting is selected in the driver. If it is, change the setting to Face Up.
	Use only recommended transparencies (⇨ P. 114). We cannot guarantee the results of using other transparencies.
	Make sure that the media is installed under the hooks at the front of the media cassette.
	Do not overfill the media cassette, as indicated by the red line on the right side of the cassette.
	Clean the paper-pick rollers (⇨ P. 69).
	Make sure that the media thickness switch is set correctly for the installed media (⇨ P. 19).

■ Problems with image size and position

Trouble	Possible Cause
Off-set images	Check your application for correct image sizing.
Cut-off images	Check your application for image sizing.
	Make sure that the correct size media is in the media cassette.

■ Print quality problems

Trouble	Corrective Action
Prints have dull, faded colours.	Print the Colour Calibration Page from the Colour Calibration menu in the printer panel. Check the density settings for each colour and compare them to the examples on the Colour Calibration Reference card. Refer to Setting the Colour Density on page 31 for instructions on comparing and setting colour density.
	Make sure that the imaging unit stays covered until immediately before installing it in the printer. Exposure to light can damage the imaging unit and will produce light streaks or faded prints.
	Make sure that the toner developers are installed correctly.
	Make sure that you use a high-quality laser paper: 60-105 g/m ² (16-28 lbs.) paper in the media cassettes and 75-165 g/m ² (20-44 lbs.) paper in the multi-purpose tray.
Image is very faded or pieces of the image are missing; toner on the page is loose.	When using the multi-purpose tray, make sure that you have selected the correct media type in the driver or in the MODE menu of the operation panel.
Streaks or spots	Most spots are caused by fingerprints or dust introduced into the printer while installing the imaging unit or loading media.
	Make sure that the surface where you unpack the imaging unit, paper, and transparencies is free of dust. Keep supplies in a covered area or a closed box.
	Make sure that the imaging unit stays covered until immediately before installing it in the printer. Exposure to light for more than 45 seconds can damage the imaging unit.
	Do not touch the right side or underside of the imaging unit; fingerprints affect print quality.
	Make sure that the paper or transparency film is clean.
	Make sure that you handle the media on the outside edges to avoid fingerprints.
	To get rid of fingerprint spots, print a few prints.
The back of the printed page appears dirty.	Toner particles have contaminated the transfer roller. This can happen if the printed image is larger than the media (for example, when printing on envelopes). Run 10-20 prints to clean the transfer roller.
The print quality of a transparency is poor.	There is a defect on the coated surface of the transparency. Print on the other side.

Error Messages

Printer Panel Message

Error Message	Possible Cause	Corrective Action
Add paper <paper source>	The paper source is out of paper.	Add paper to the paper cassette (Cassette 1), option paper feeder's cassettes (Cassette 2 and 3), or multi-purpose tray (MP Tray).
Battery error MEMORY CARD	The memory card's battery is run out or not installed.	Insert a new battery in the memory card. (See the memory card manufacturer's instruction.)
Call service person##:#####	A failure requiring the attention of service personnel has occurred.	Note the corresponding error code (## followed by the colon) and the total printed pages ¹ (##### preceded by the colon). Turn printer power off and call for service.
Cassette 1 not loaded	The printer's media cassette is not loaded in the printer, or not closed fully in position.	Insert the media tray, or close it securely. (Cassette1 is shown as Cassette when no option paper feeder is installed.)
Cassette 2 not loaded	The paper feeder's top media cassette is not loaded in the paper feeder, or not closed fully in position.	Insert the top media tray, or close it securely. (This message is shown only when the printer is installed with an option paper feeder.)
Cassette 3 not loaded	The paper feeder's bottom media cassette is not loaded in the paper feeder, or not closed fully in position.	Insert the bottom media tray, or close it securely. (This message is shown only when the printer is installed with an option paper feeder.)
Format error <Media>	The hard disk or memory card is not formatted.	Format the media (For a memory card, see P. 54).
Front/Right cover Open	The front or right side cover is open.	Check both covers and close them tightly.
HARDDISK error## Press CONTINUE	The printer has encountered an error during access to the option harddisk.	Note the error code (##) preceded by the HARDDISK error message. Then, press CONTINUE to clear the error situation. Refer to section Harddisk Error Codes (see P. 99).

¹ The total printed pages is not shown when the error code is F0 (Communication error).

Care and Maintenance

Error Message	Possible Cause	Corrective Action
I/F occupied	The front control panel operation you attempted is not possible because that interface is receiving data.	Wait until the data transfer is completed on that interface.
Imaging unit not locked	The imaging unit is not locked properly because its lever is not lifted.	Lift the imaging unit lever fully up.
Insert the same MEMORY CARD	A different memory card was inserted following the MEMORY CARD err/Insert again message.	Reinsert the same memory card as was removed previously into the printer's memory card slot.
KPDL Error ## Press CONTINUE	The printer encountered an error during processing data in KPDL mode.	Note the error code of ## and press CONTINUE to clear the error situation. See section KPDL Error Codes (P. 100) for information.
Left cover Open	The left side cover is open.	Close it tightly.
Load paper <paper size>	The paper size does not match.	Put the media cassette loaded with the paper of the correct size as specified by the application software into the printer. To resume printing using the current media cassette, press CONTINUE . (You must press CONTINUE every time one sheet has been printed, because the same message will again be displayed from the second sheet onward.) To abandon printing, press CANCEL .
MEMORYCARD err## Press CONTINUE	The printer has encountered an error during access to the memory card.	Look at the error code of ## preceded by MEMORYCARD err. Then, press CONTINUE to clear the error situation. Refer to section Memory card errors (P. 55).
MEMORY CARD err Insert again	The memory card was removed during the memory card operation.	Re-insert the same memory card into the printer's memory card slot. The printer will continue with the memory card operation.
Memory overflow Press CONTINUE	The print data from the computer is larger than the printer can fit in its memory.	Press CONTINUE to print the data. Install additional memory or use a lower resolution print quality (P. 46).
Missing FK-80 Fuser KIT	The fuser kit is not installed in the printer.	Install the fuser kit.

Care and Maintenance

Error Message	Possible Cause	Corrective Action
Missing IU-80 Imaging unit	The imaging unit is not installed in the printer.	Install the imaging unit (☞ P. 72).
Missing OS-80 Oil supply roll	The oil supply roller is not installed in the printer.	Install the oil supply roller (☞ P. 82).
Missing Toner TD-80C (Cyan)	The cyan toner developer is not installed in the printer.	Install the cyan toner developer (☞ P. 14).
Missing Toner TD-80K (Black)	The black toner developer is not installed in the printer.	Install the black toner developer (☞ P. 14).
Missing Toner TD-80M (Magenta)	The magenta toner developer is not installed in the printer.	Install the magenta toner developer (☞ P. 14).
Missing Toner TD-80Y (Yellow)	The yellow toner developer is not installed in the printer.	Install the yellow toner developer (☞ P. 14).
Missing Charger unit	The charger unit is not installed in the printer.	Install the charger unit in the imaging unit.
Missing paper feeder unit	The paper feeder unit is not installed in the printer.	Install the paper feeder unit.
Option feeder Left cover Open	The paper feeder's left side cover is open.	Close it tightly.
Opt. ROM error Press CONTINUE	The printer has encountered an error while accessing data in the option EPROM (on the printer main board).	Press CONTINUE to print the data processed so far. Replace the option EPROM.
Option interface Error ##	The printer has detected an error on the option interface.	Note the error code of ## and consult your Kyocera dealer.
Output tray paper full	The output tray has become full.	Remove paper from the output tray.
PJL OPMSG/STMSG	The printer encountered an error during processing PJL commands.	Press CONTINUE to print the page processed so far.
Paper jam <Location>	Paper has become jammed.	Remove jammed paper according to section Removing Paper Jam (☞ P. 75).
Print overrun Press CONTINUE	The printer has received print data that is too complex to finish processing in time with the operation of the printer mechanism.	Press CONTINUE to print the data. Install additional memory or use a lower resolution print quality (☞ P. 46).
Replace FK-80 Fuser KIT	The fuser is worn out.	Replace the fuser kit now.

Care and Maintenance

Error Message	Possible Cause	Corrective Action
Replace IU-80 Imaging unit	The imaging unit is worn out.	Replace the imaging unit now.
Replace OS-80 Oil supply roll	The oil supply roller is worn out.	Replace the oil supply roller now.
Replace Toner TD-80C (Cyan)	The cyan toner developer is empty.	Replace the cyan toner developer now.
Replace Toner TD-80K (Black)	The black toner developer is empty.	Replace the black toner developer now.
Replace Toner TD-80M (Magenta)	The magenta toner developer is empty.	Replace the magenta toner developer now.
Replace Toner TD-80Y (Yellow)	The yellow toner developer is empty.	Replace the yellow toner developer now.
Reset Transf.Roll Press ENTER	The printer is waiting for your input of confirming that you have replaced the transfer roller and resetting its counter (☞ P. 105).	Press ENTER and the printer resets the transfer unit counter to 0000000.
Set paper Press CONTINUE	The multi-purpose tray is empty.	Add a sheet of paper to the multi-purpose tray, and press CONTINUE key. (This message appears when the multi-purpose tray is in manual mode (☞ P. 45).
Toner low TD-80C (Cyan)	The cyan toner developer is almost empty.	Replace the cyan toner developer as soon as possible.
Toner low TD-80K (Black)	The black toner developer is almost empty.	Replace the black toner developer as soon as possible.
Toner low TD-80M (Magenta)	The magenta toner developer is almost empty.	Replace the magenta toner developer as soon as possible.
Toner low TD-80Y (Yellow)	The yellow toner developer is almost empty.	Replace the yellow toner developer as soon as possible.
Warning FK-80 Fuser KIT	The fuser kit is wearing out.	Replace the fuser kit as soon as possible.
Warning IU-80 Imaging unit	The imaging unit is wearing out.	Replace the imaging unit as soon as possible.
Warning TU-80 Transfer roller	The transfer roller is wearing out.	Replace the transfer roller as soon as possible.
Warning battery MEMORY CARD	The memory card's battery is running out.	Change the memory card battery as soon as possible. (See the memory card manufacturer's instruction.)
Warning Low memory	The printer's internal memory is insufficient to complete the printing.	Press CONTINUE key to print the page processed so far. Remove any unnecessary fonts or macros in the printer or install additional memory (☞ P. 67).

■ Harddisk Error Codes

Error Message	Remedy
HARD DISK error## Press CONTINUE	<p>Check the error code (digits) shown at the ## position, and refer to the following.</p> <p>01: Format error. The hard disk has malfunctioned. Turn on the printer again.</p> <p>02: No hard disk installed. Check whether the hard disk has been correctly installed.</p> <p>04: Insufficient capacity on hard disk, or the number of stored files has exceeded 10,000. Free disk space before attempting the operation again. Reduce the number of files on the hard disk.</p> <p>05: The specified file does not exist. Check whether a file with the specified name exists on the hard disk.</p> <p>06: The memory available for use by the file system is insufficient.</p>

■ KPDL Error Codes

Code	Error	Meaning
00	—	Cannot initiate KPDL
01	dictfull	Dictionary full; no new entries can be added
02	dictstackoverflow	Too many begins
03	dictstackunderflow	Too many ends
04	execstackoverflow	Execution stack nesting depth exceeded 250
05	handle	Name of error-reporting procedure
06	interrupt	Control-C was received
07	invalidaccess	Attempted violation of access attribute
08	invalidexit	Exit not enclosed in any loop
09	invalidfile	Invalid access string for file operator
10	invalidfont	Invalid font name or invalid font dictionary format
11	invalidrestore	Restore would destroy composite object created after save
12	ioerror	Input/output error
13	limitcheck	Path too complex, more than 6 files open, etc.
14	nocurrentpoint	No current point is defined
15	rangecheck	Operand out of allowed range
16	stackoverflow	Operand stack overflow
17	stackunderflow	Operand stack underflow
18	syntaxerror	Syntax error in program
19	timeout	Time limit exceeded
20	typecheck	Wrong type of operand
21	undefined	Name not found in dictionary
22	undefinedfilename	File cannot be found
23	undefinedresult	Overflow, underflow, or meaningless result
24	unmatchedmark	Expected mark not found on stack
25	unregister	Internal error
26	vmerror	Virtual memory is exhausted, or illegal access was attempted
27	badpassword	Bad password
28	invalidnumber	Invalid number
29	nomemory	Memory unavailable
30	configurationerror	<i>Setpagedevice</i> request cannot be satisfied
31	invalidcontext	Improper use of context operation
32	invalidid	Invalid identifier for external object
33	undefinedresource	Resource instance not found
98	fatal	Fatal error (User memory exhausted)

Repacking

It is highly recommended that you keep the original carton and all packing materials. Should you need to transport or ship your printer, please follow these instructions.

Safety Caution:

The printer weighs about 48 kg (105.8 lbs.). It must be handled by two people.

Notes:

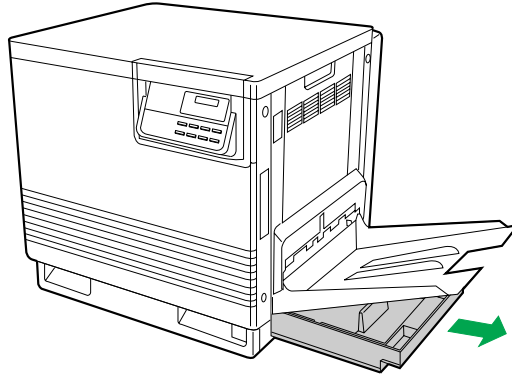
- Should you need to send your printer for service, consult your reseller first or Kyocera.
- Please use the original carton and all of the original packing materials.
- If you do not have the packing for the imaging unit and the transfer unit: contact Kyocera for packaging.
- Improper repacking of the printer may result in a service charge to remove spilled toner.
- Since the printer uses dry toner, extreme care must be taken when handling. The printer should be handled in the upright (vertical) position.

Material required:

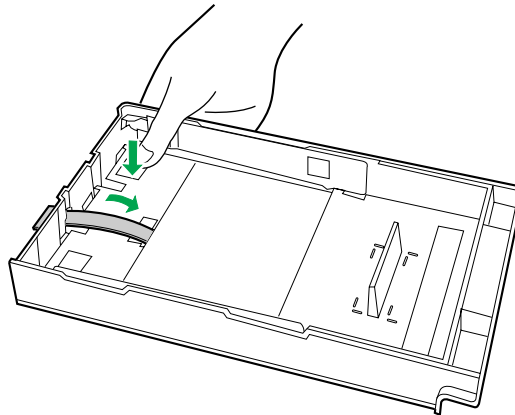
- Original cartons and packing materials
- Newspaper or drop cloth
- Shipping tape and scissors

Care and Maintenance

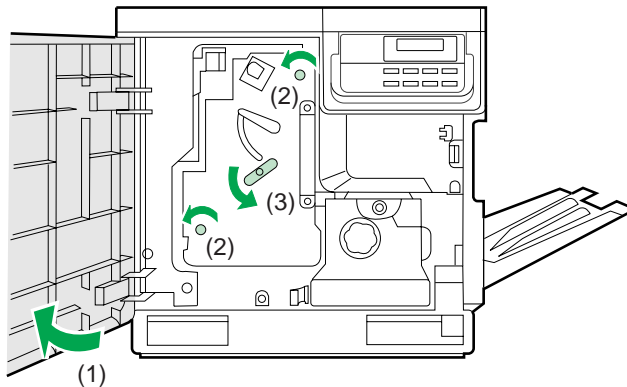
- 1** Turn off the printer; remove the power cord and all interface cables.
- 2** Remove the media cassette from the printer; remove the media from the cassette(s).



- 3** Press down on a media cassette's metal plate. Place the cardboard packing material into the media cassette.



- 4** Reinsert the media cassette into the printer; use adhesive tape to secure the cassette to the printer.
- 5** If you have other media cassettes, repack them for shipping or storage in their original shipping boxes.
- 6**
 - (1) Open the printer's front cover.
 - (2) Loosen the two thumbscrews by turning them counterclockwise.
 - (3) Turn the lower green lever 180° counterclockwise.



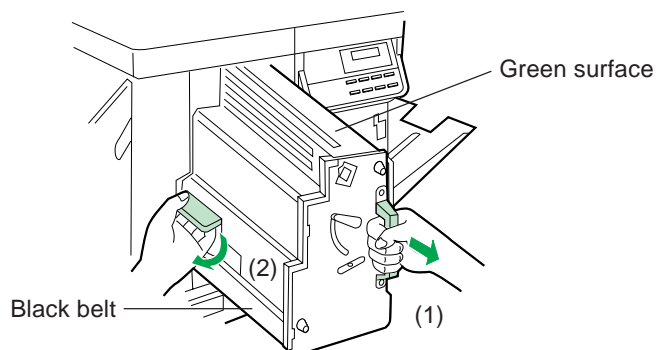
- 7**
 - (1) Grasping the front green handle, slide the unit out until it catches.
 - (2) Lift up the green handle on the left. Pull the imaging unit out of the printer.

Important:

Do not touch the green surface (the right side) or the black belt (the under side). Finger prints may affect the print quality.

Safety Caution:

The imaging unit weighs approximately 6.5 kg (14.3 lbs.). Always use the handles when lifting it.

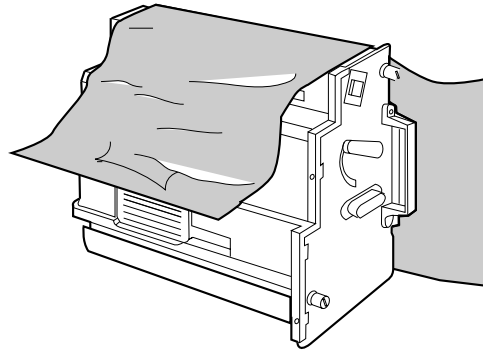


Care and Maintenance

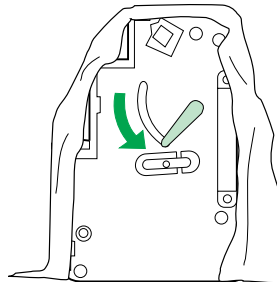
- 8** Wrap the imaging unit with a protective black plastic sheet.

Caution:

Do not expose the imaging unit to light for more than 45 seconds to avoid damage.

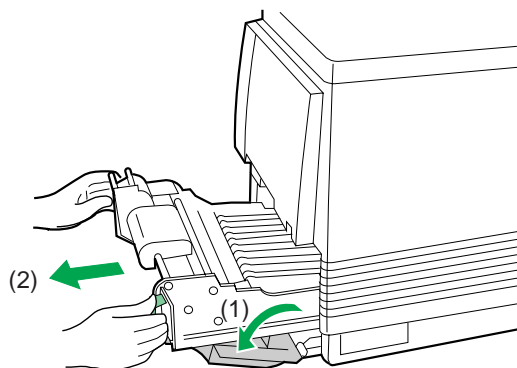


- 9** On the imaging unit, turn the upper lever 90° counterclockwise; this is necessary to protect the imaging unit during shipment.

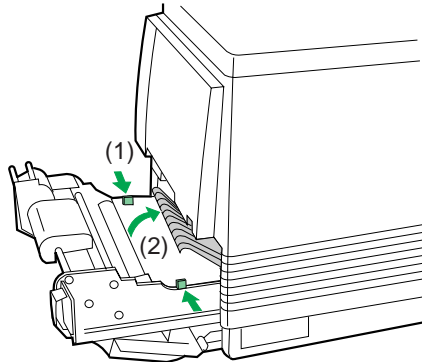


- 10** Insert the imaging unit into the packaging carton.

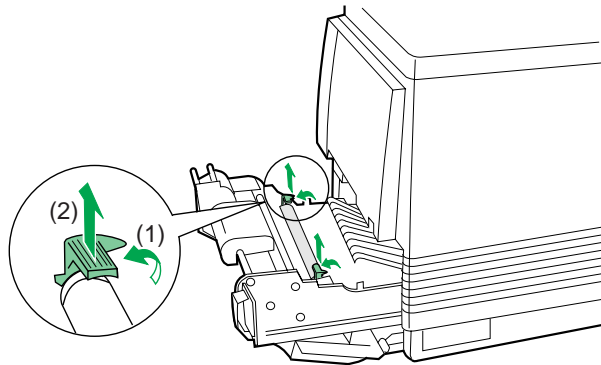
- 11** (1) Open the left side cover.
(2) Using the green handles, slide the paper feeder out.



- 12** (1) Push in on green tabs to unlock the cover.
(2) Raise the cover until it catches in the open position.



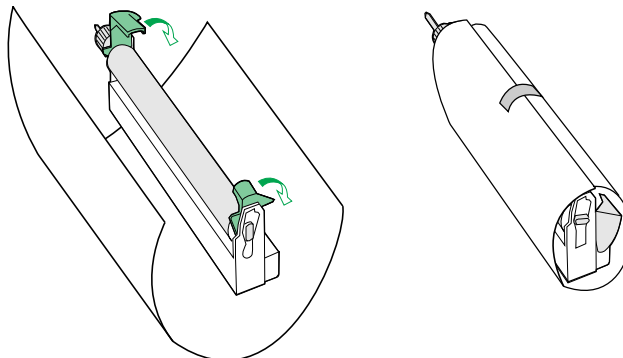
- 13** (1) Rotate the transfer unit's green handles up.
(2) Lift out the transfer unit.



- 14** Place the transfer unit on newspaper or drop cloth. Rotate the handles down and wrap the transfer unit with a piece of paper and adhesive tape.

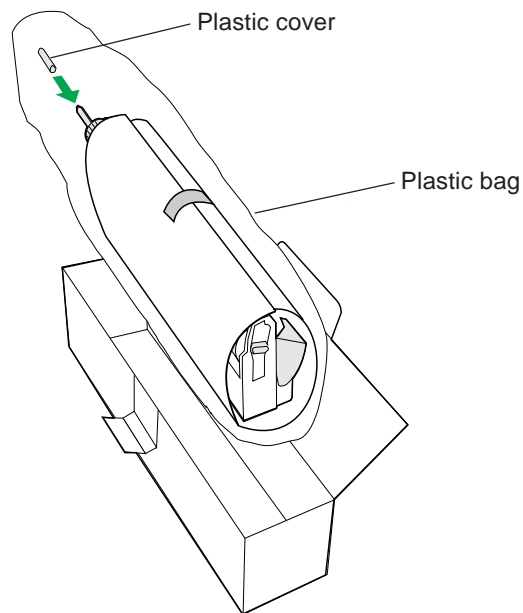
Note:

Do not touch or bump the roller. It can damage the roller.



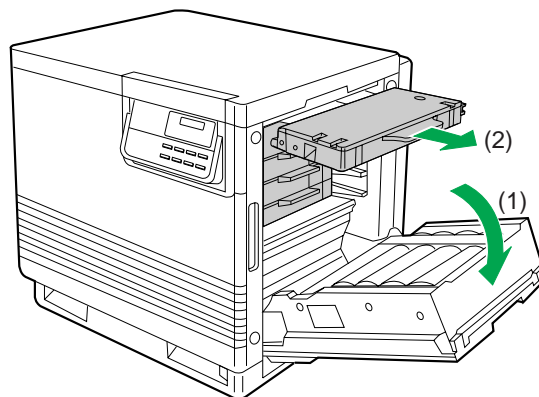
Care and Maintenance

- 15** Install the plastic cover and insert the transfer unit into a plastic bag and seal the end tightly. Install the transfer unit into the packaging.



- 16** Packing the toner developers:

- (1) Open the right side cover.
- (2) Remove the toner developer.

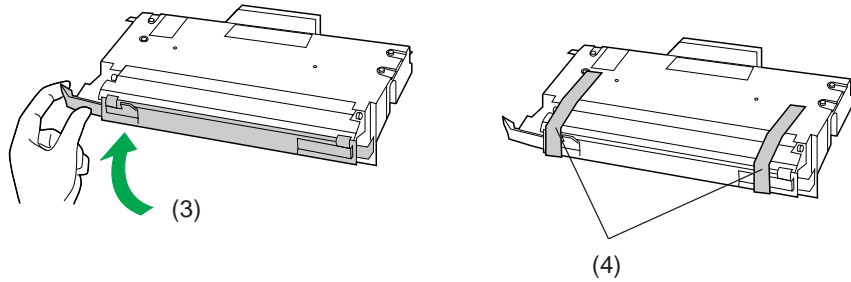


Caution:

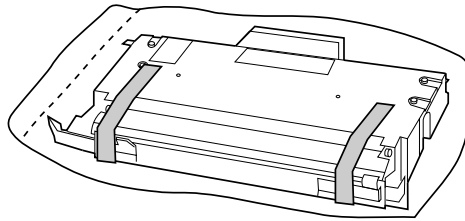
To avoid possible toner spillage, do not tilt the toner developer.

(3) Replace the shipping cover.

(4) Secure the shipping cover with adhesive tape.



(5) Insert each toner developer into a plastic bag and seal the end of the bag tightly.



(6) Repeat instructions (2) to (5) for each toner developer.

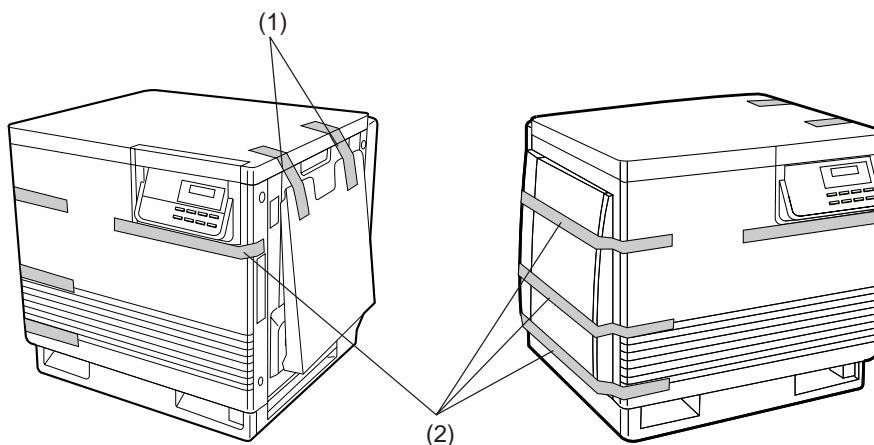
17 Wipe off any loose toner in and around the printer.

Note:

If a toner vacuum is available, use it for cleaning spilled toner. Do not use a standard office vacuum; the toner will not be retained by typical vacuum dust collectors.

Care and Maintenance

- 18** (1) Raise the output tray and secure it to the printer with adhesive tape.
- (2) Secure the front cover, the multi-purpose tray and the left side cover to the printer with adhesive tape.



If you don't have an option Paper Feeder, go to step 20.

19 If you have an option Paper Feeder:

- (1) Lift the printer up and away from the Paper Feeder.

Safety Caution:

The printer weighs approximately 41.4 kg (91.2 lbs.) and the Paper Feeder weighs approximately 14.3 kg (31.5 lbs.). Observe standard precautions for lifting heavy objects.

- (2) Repack the Paper Feeder in its original shipping box.

20 Repack any other accessories in the original shipping box. Refer to the diagram on the next page.

- 21** Repack the printer in the original shipping box. Refer to the diagram below. Make sure that you keep the printer upright and level when moving.

