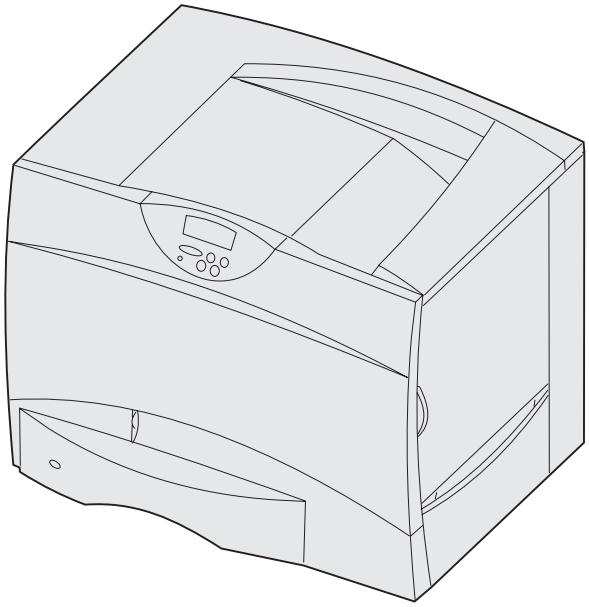
LEXMARK™

C752

User's Reference



June 2003 **www.lexmark.com**

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Lexington, Kentucky 40550

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1 Notices

- Edition notice
- Trademarks
- Licensing notice
- Safety information
- Cautions and warnings
- Electronic emission notices
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- Energy Star
- Laser notice

Edition notice

Edition: June 2003

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PostScript® is a registered trademark of Adobe Systems Incorporated. PostScript 3 is Adobe Systems' designation of a set of printer commands (language) and functions included in its software products. This printer is intended to be compatible with the PostScript 3 language. This means the printer recognizes PostScript 3 commands used in various application programs, and that the printer emulates the functions corresponding to the commands.

Details relating to compatibility are included in the *Technical Reference*.

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Safety information

- The power cord *must* be connected to a properly grounded electrical outlet that is near the product and easily accessible.

  CAUTION: Do not set up this product or make any electrical or cabling connections, such as the power cord or telephone, during a lightning storm.

- Refer service or repairs, other than those described in the operating instructions, to a professional service person.
- This product is designed, tested, and approved to meet strict global safety standards with the use of specific Lexmark components. The safety features of some parts may not always be obvious. Lexmark is not responsible for the use of other replacement parts.
- Your product uses a laser.

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

- Your product uses a printing process that heats the print media, and the heat may cause the media to release emissions. You must understand the section in your operating instructions that discusses the guidelines for selecting print media to avoid the possibility of harmful emissions.

  CAUTION: Do not set up this product, make electrical connections, or use a fax modem feature during a lightning storm.

Cautions and warnings

CAUTION: A caution identifies something that might cause you harm.

WARNING: A warning identifies something that might damage your printer hardware or software.

Electronic emission notices

With a network cable or high-capacity output finisher installed

Federal Communications Commission (FCC) compliance information statement

The Lexmark C752 has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The FCC Class A limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

The manufacturer is not responsible for any radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

Note: To assure compliance with FCC regulations on electromagnetic interference for a Class A computing device, use a properly shielded and grounded cable such as Lexmark part number 1329605 for parallel attach or 12A2405 for USB attach. Use of a substitute cable not properly shielded and grounded may result in a violation of FCC regulations.

Industry Canada compliance statement

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis de conformité aux normes de l’industrie du Canada

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Community (EC) directives conformity

A declaration of conformity with the requirements of the directives has been signed by the Director of Manufacturing and Technical Support, Lexmark International, S.A., Boigny, France.

This product satisfies the Class A limits of EN 55022 and safety requirements of EN 60950.

Radio interference notice

WARNING: When a network cable or high-capacity output finisher is attached, this is a Class A product. In a domestic environment, this product may cause radio interference, in which case, the user may be required to take adequate measures.

Japanese VCCI notice

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The United Kingdom Telecommunications Act 1984

This apparatus is approved under the approval number NS/G/1234/J/100003 for the indirect connections to the public telecommunications systems in the United Kingdom.

Without a network cable or high-capacity output finisher installed

Federal Communications Commission (FCC) compliance information statement

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your point of purchase or service representative for additional suggestions.

The manufacturer is not responsible for any radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

Note: To assure compliance with FCC regulations on electromagnetic interference for a Class B computing device, use a properly shielded and grounded cable such as Lexmark part number 1329605 (parallel) or Lexmark part number 12A2405 (USB). Use of a substitute cable not properly shielded and grounded may result in a violation of FCC regulations.

Any questions regarding this compliance information statement should be directed to:

Director of Lexmark Technology & Services
Lexmark International, Inc.
740 West New Circle Road
Lexington, KY 40550

(859) 232-3000

Industry Canada compliance statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis de conformité aux normes de l’industrie du Canada

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Community (EC) directives conformity

This product is in conformity with the protection requirements of EC Council directives 89/336/EEC and 73/23/EEC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility and safety of electrical equipment designed for use within certain voltage limits.

A declaration of conformity with the requirements of the directives has been signed by the Director of Manufacturing and Technical Support, Lexmark International, S.A., Boigny, France.

This product satisfies the Class B limits of EN 55022 and safety requirements of EN 60950.

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The United Kingdom Telecommunications Act 1984

This apparatus is approved under the approval number NS/G/1234/J/100003 for the indirect connections to the public telecommunications systems in the United Kingdom.

Noise emission levels

The following measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

1-meter average sound pressure, dBA *	
Printing	51 dBA
Idling	34 dBA
* These values are subject to change. See the C752 Tech Spec section of the Lexmark Web site for current information.	

Energy Star

The EPA ENERGY STAR Office equipment program is a partnership effort with computer manufacturers to promote the introduction of energy-efficient products and to reduce air pollution caused by power generation.

Companies participating in this program introduce personal computers, printers, monitors, or fax machines that power down when they are not being used. This feature will cut the energy used by up to 50 percent. Lexmark is proud to be a participant in this program.

As an ENERGY STAR Partner, Lexmark International, Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

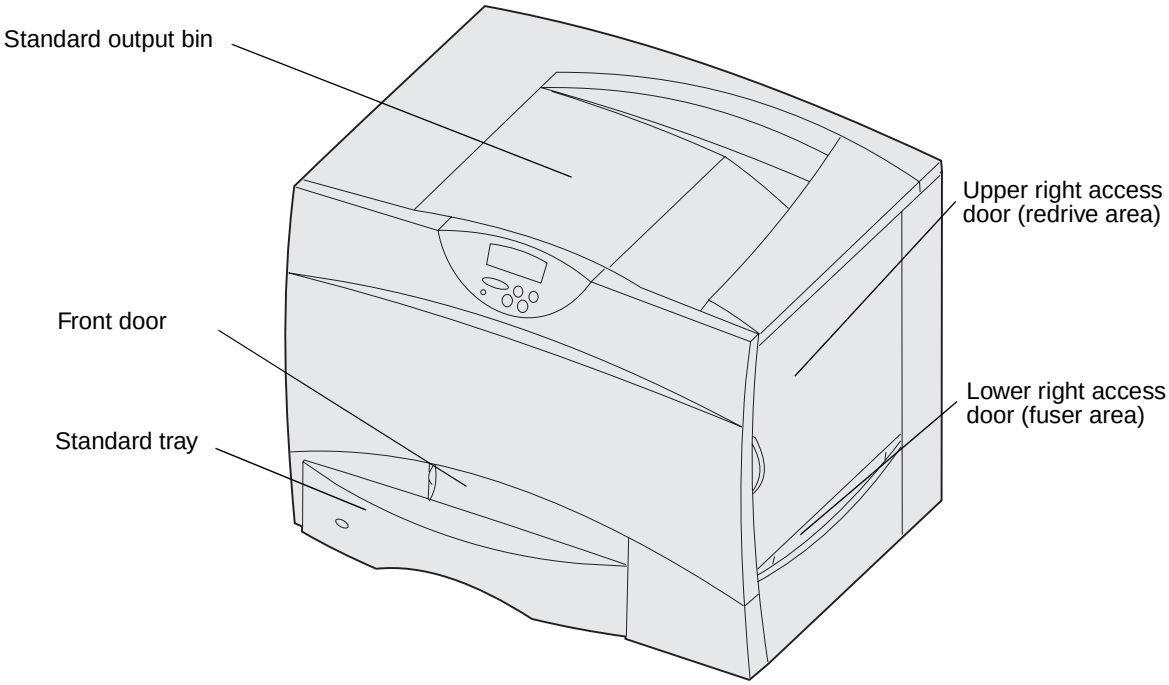
Laser notice

The printer is certified in the U.S. to conform to the requirements of DHHS 21 CFR Subchapter J for Class I (1) laser products, and elsewhere is certified as a Class I laser product conforming to the requirements of IEC 60825-1.

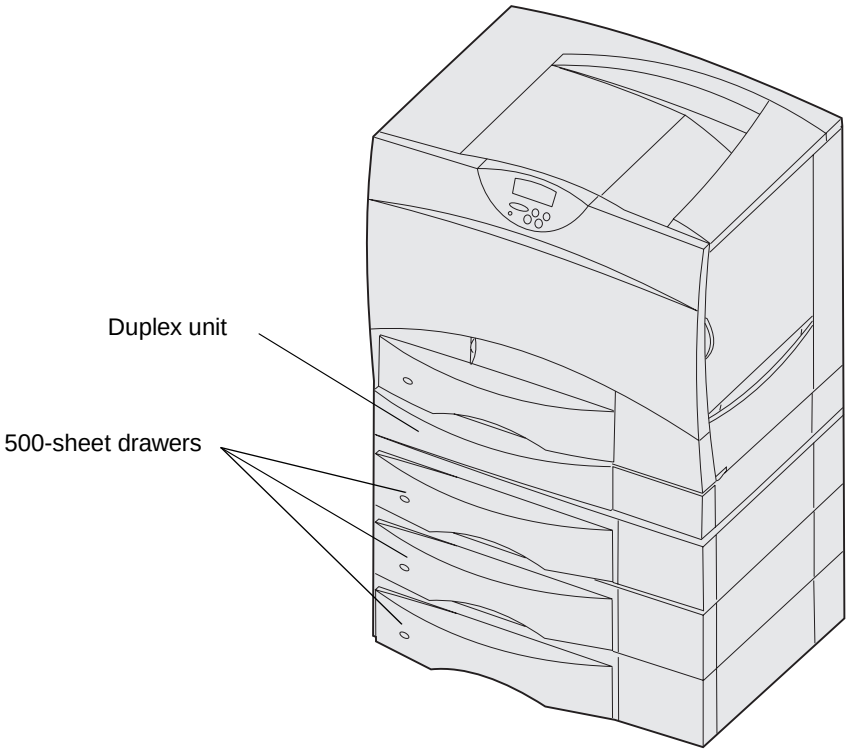
Class I laser products are not considered to be hazardous. The printer contains internally a Class IIIb (3b) laser that is nominally a 5 milliwatt gallium arsenide laser operating in the wavelength region of 770-795 nanometers. The laser system and printer are designed so there is never any human access to laser radiation above a Class I level during normal operation, user maintenance, or prescribed service condition.

2 Printer overview

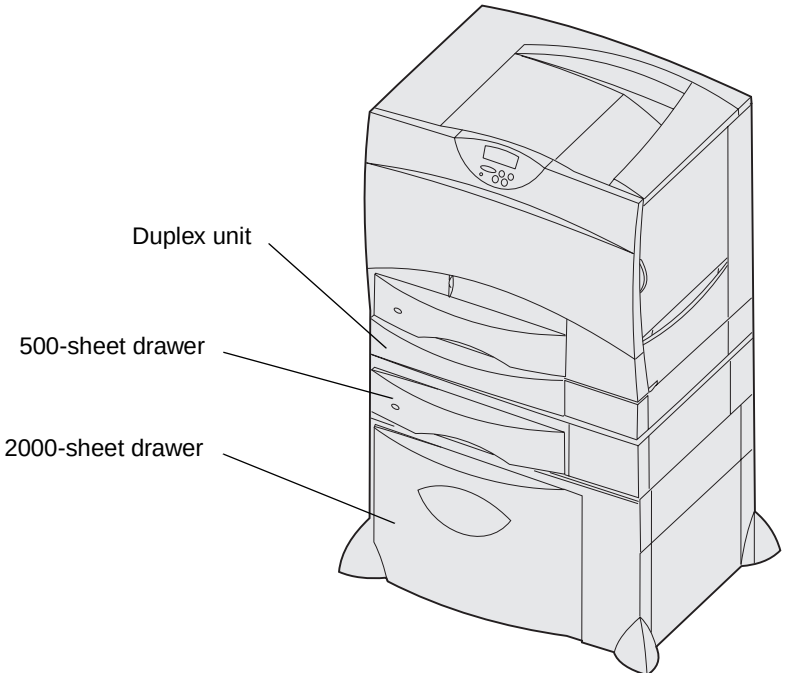
The following illustration shows the Lexmark™ C752 printer.



The following illustration shows the printer configured with a duplex unit and three optional 500-sheet drawers.



The following illustration shows the printer configured with a duplex unit, one optional 500-sheet drawer, and one optional 2000-sheet drawer.

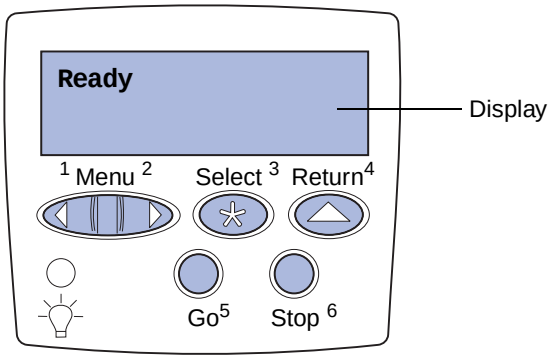


3 Printing

- Understanding the printer operator panel
- Sending a job to print
- Canceling a print job
- Loading the trays
- Loading the multipurpose feeder
- Printing on specialty media (transparencies, labels, other)
- Linking trays
- Linking bins
- Holding a job in the printer
- Tips for successful printing
- Understanding fonts
- Printing sample fonts

Understanding the printer operator panel

The operator panel has five buttons, a display, and a light that flashes when the printer is processing a job indicated by the **Busy** message.



Operator panel buttons

Button	Function
Go	Press **Go** to: • Return to the Ready state if the printer is offline (the **Ready** message does not appear on the display). • Exit printer menus and return to the Ready state. • Clear some operator panel messages. • Resume printing after loading paper or clearing paper jams. • Exit Power Saver. If you have changed printer settings from the operator panel menus, press **Go** before sending a job to print. The printer must display **Ready** for jobs to print.
Menu	Press **Menu** to: • Take the printer offline (out of the Ready state) and enter the menus. When the printer is offline, press **Menu** to scroll through the menus and menu items. • List the menu items in the Job Menu (during Busy state). For menu items that have numerical values, such as Copies, press and hold **Menu** to scroll through the list of values. Release the button when the number you want appears. If you see a **Menus Disabled** message, you will not be able to change default settings. You can still clear messages and select items from the Job Menu when printing. When you send a job to print, change printer properties to select the settings you want for your job.
Select	Press **Select** to: • Open the menu shown on the second line of the display. • Save the displayed menu item as the new user default setting. • Clear certain messages from the display. • Continue printing after the **Change <x>** message appears. See **Change <x>** for more information.
Return	Press **Return** to go back to the previous menu level or menu item.

Button	Function
Stop	Press **Stop** at the **Ready**, **Busy**, or **Waiting** message to temporarily take the printer offline. The message changes to **Not Ready**. No data is lost. Press **Go** to return the printer to the Ready, Busy, or Waiting state.
1, 2, 3, 4, 5, 6	Use the numbers located next to the names of the buttons to enter your personal identification number (PIN) after you send a confidential job.

See the **menu map** for a brief overview of the printer menus available from the operator panel.

Sending a job to print

To print a job from a typical Windows application:

1. Open the file you want to print.
2. From the File menu, select Print.
3. Verify that the correct printer is selected in the dialog box.
4. Modify the printer settings as appropriate (such as the pages you want to print or the number of copies).

   Note: Click **Properties** or **Setup** to adjust printer settings not available from the first screen, and click **OK**.

5. Click **OK** or **Print** to send the job to the selected printer.

Canceling a print job

From the printer operator panel

If the job you want to cancel is printing, and **Busy** appears on the display:

1. Press **Menu** until you see Job Menu, and then press **Select**.
2. Press **Menu** until you see Cancel Job, and then press **Select**.

From the Windows taskbar

When you send a job to print, a small printer icon appears in the right corner of the taskbar.

1. Double-click the printer icon. A list of print jobs appears.
2. Select the job you want to cancel.
3. Press **Delete** on your keyboard.

From a Windows desktop

1. Minimize all programs to reveal the contents of the desktop.
2. Double-click My Computer.
3. Double-click Printers. A list of available printers appears.
4. Double-click the printer you selected when you sent the job. A list of print jobs appears.
5. Select the job you want to cancel.
6. Press **Delete** on your keyboard.

From a Macintosh computer

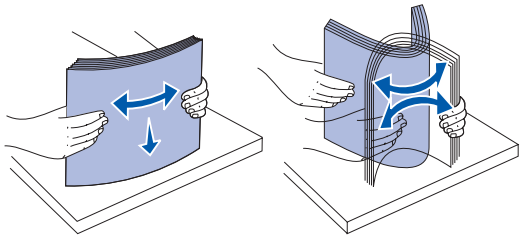
When you send a job to print, the icon for your selected printer appears on the desktop.

1. Double-click the printer icon on your desktop. A list of print jobs appears.
2. Press **Control** and click the print job you want to cancel.
3. Select Stop Queue from the pop-up menu that appears.

Loading the trays

Helpful hints:

- Never mix media types within a tray.
- Flex the print media back and forth to loosen the sheets, and then fan them. Do not fold or crease the print media. Straighten the edges of the stack on a level surface.

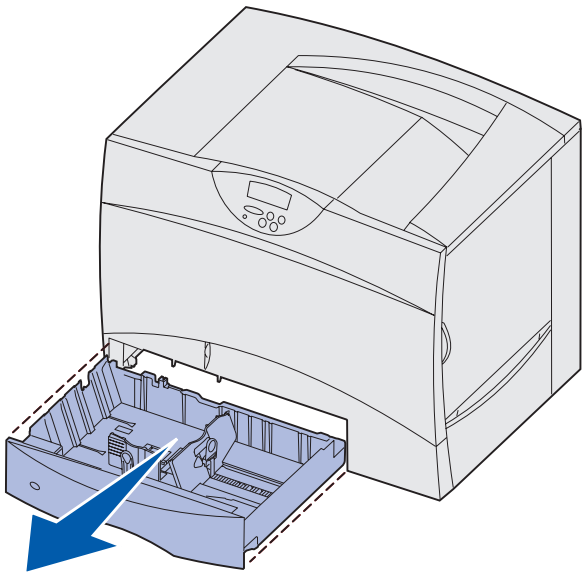


- **Never remove paper trays while a print job is printing.** It could damage the tray or the printer.

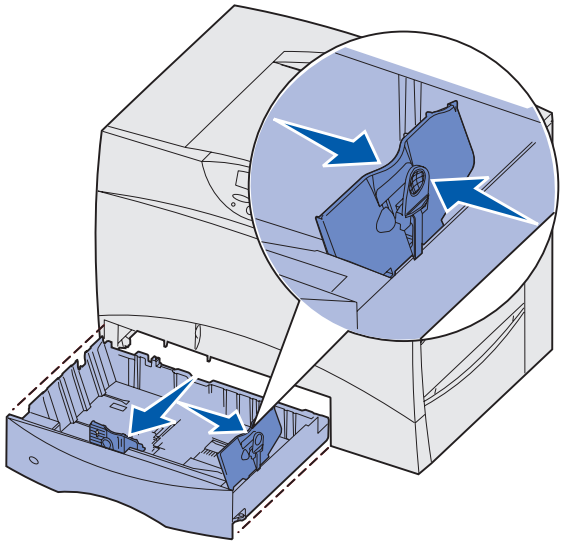
Loading 500-sheet trays

Follow these instructions to load any of the 500-sheet trays.

1. Remove the tray.



2 Squeeze the front guide lever and slide the guide to the front of the tray.

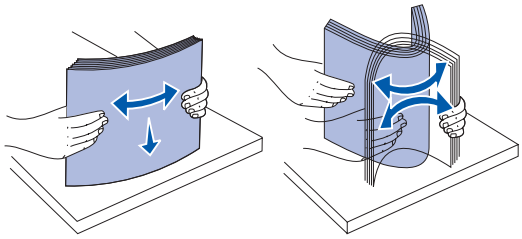


3 Squeeze the side guide lever and slide the guide to the correct position for the size paper you are loading.

Icons along the back of the tray indicate paper sizes.

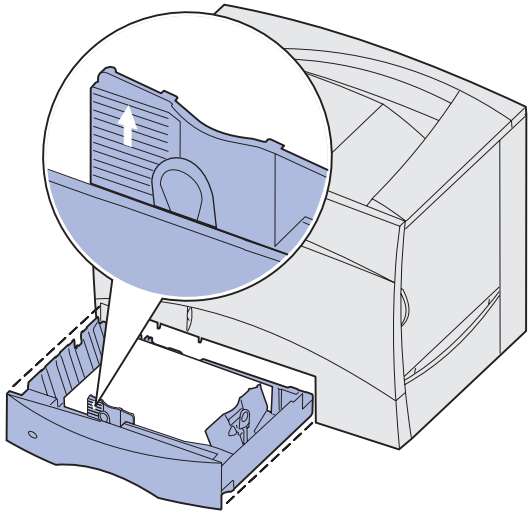
4 Flex the sheets back and forth to loosen them, and then fan them.

Do not fold or crease the paper. Straighten the edges of the stack on a level surface.



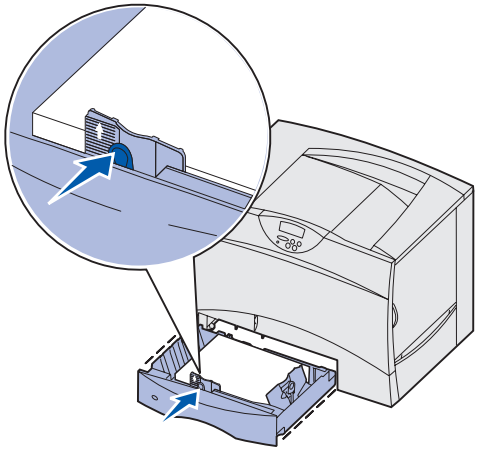
5 Place the paper against the back left corner of the tray, print side down.

Do not load bent or wrinkled paper.



Note: Do not exceed the maximum stack height. Overfilling the tray may cause jams.

6 Squeeze the front guide lever and slide the guide until it firmly touches the stack of paper.



7 Reinstall the tray.

Make sure the tray is pushed completely into the printer.

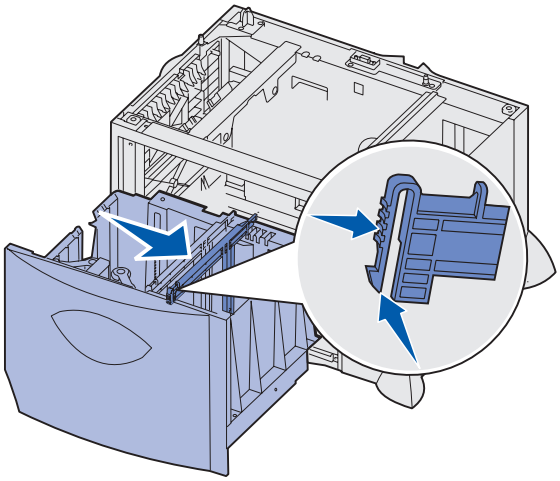
8 If you are loading a different type of media than was previously loaded in the tray, change the Paper Type setting for that tray on the operator panel.

See **“Paper Type”** on page 62 for more information.

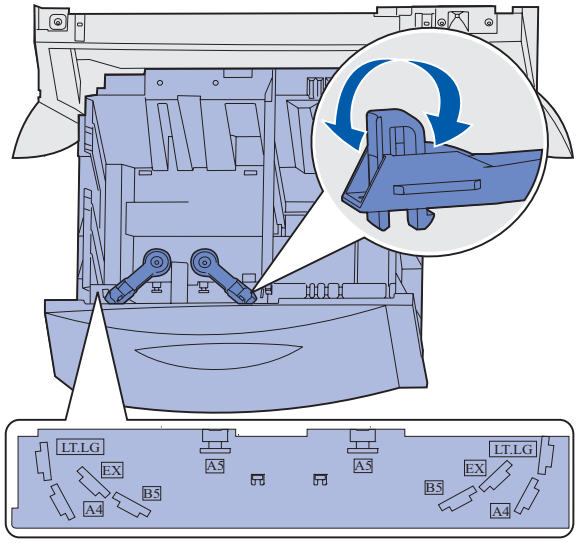
Loading the 2000-sheet tray

Follow these instructions to load a 2000-sheet tray. *Do not load any print media other than paper in the 2000-sheet tray.*

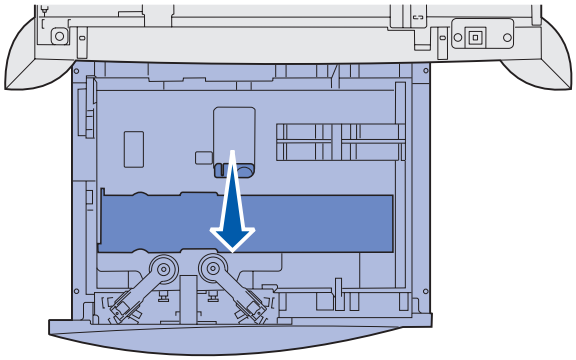
1. Pull open the tray.
2. Squeeze the side guide lever, lift the guide, and place it into the appropriate slot for the size paper you are loading.



3. Squeeze the two front guide levers and slide the guide to the correct position for the size paper you are loading.

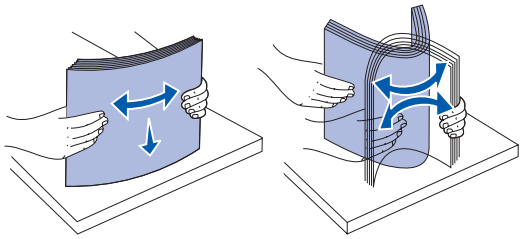


4 Slide the bottom support toward the front of the tray until it touches the front guide.



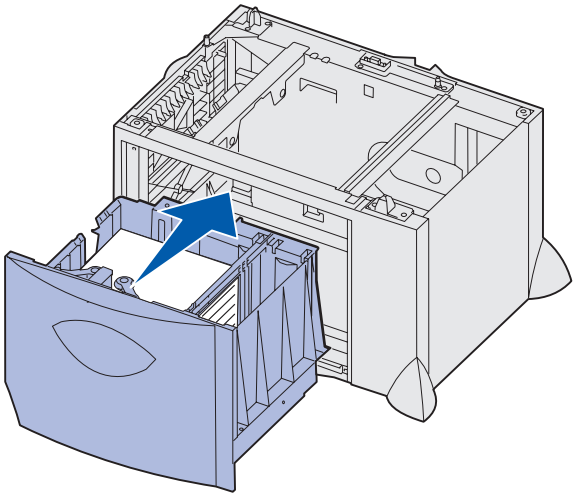
5 Flex the sheets back and forth to loosen them, and then fan them.

Do not fold or crease the paper. Straighten the edges of the stack on a level surface.



6 Place the paper against the back left corner of the tray, print side down.

Do not load bent or wrinkled print media.



7 Close the tray.

Make sure the tray is pushed completely into the printer.

Note: Do not exceed the maximum stack height. Overfilling the tray may cause paper jams.

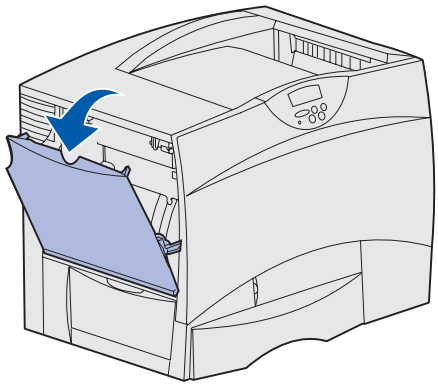
Loading the multipurpose feeder

You can use the multipurpose feeder one of two ways:

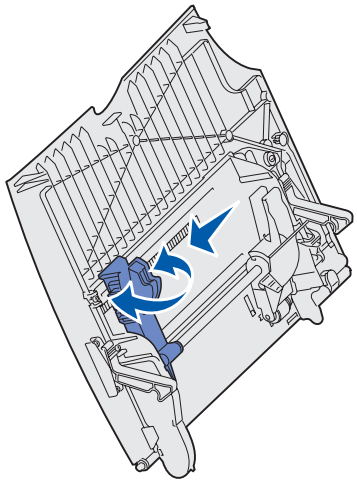
- **Paper tray**—As a paper tray, you can load paper or specialty media in the feeder with the intention of leaving the media in the feeder.
- **Manual bypass feeder**—As a manual bypass feeder, you send a print job to the feeder while specifying the type and size of media from your computer. The printer then prompts you to load the appropriate print media before it prints.

To load the multipurpose feeder:

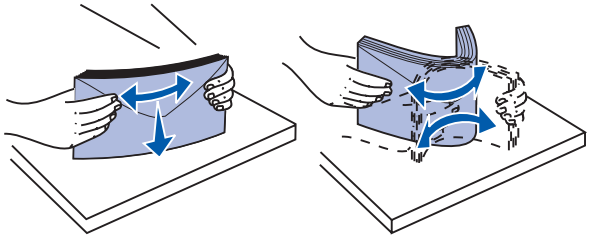
1. Open the multipurpose feeder.



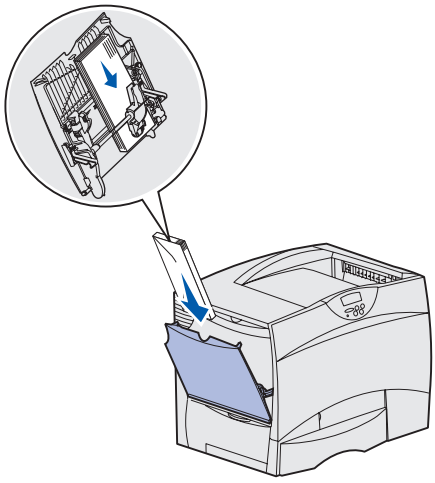
2. Squeeze the paper guide lever and slide the guide all the way toward the front of the printer.



3. Flex the sheets back and forth to loosen them, and then fan them. Do not fold or crease the print media. Straighten the edges of the stack on a level surface.



4 Arrange the stack of paper or specialty media correctly for the size, type, and print method you are using.

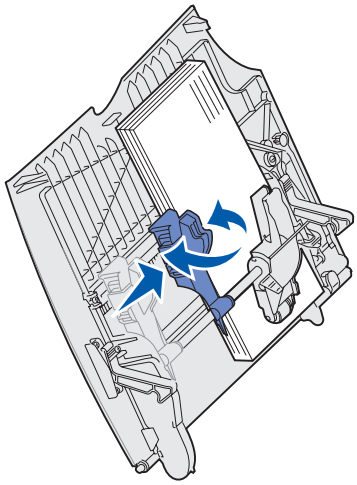


5 Place the paper or specialty media, print side up, along the left side of the multipurpose feeder, and then push it in as far as it will easily go.

Do not force the media.

Note: Do not exceed the maximum stack height. Overfilling the feeder may cause jams.

6 Squeeze the paper guide lever and slide the guide until it lightly touches the side of the stack.



7 If you are loading a different type of media than was previously loaded in the tray, change the Paper Type setting for that tray on the operator panel.

See **“Paper Type”** on page 62 for more information.

Printing on specialty media (transparencies, labels, other)

Follow these instructions when you want to print on media such as transparencies, card stock, glossy paper, labels, or envelopes.

1. Load the media as specified for the tray you are using. For help, see any of the following:
   - **Loading the trays**
   - **Loading the multipurpose feeder**
2. From the printer operator panel, set the Paper Type and Paper Size according to the media you loaded.

   Note: If the type of the media you are loading is the same as the media previously loaded, you do not need to change the Paper Type setting.

   To change a Paper Type or Paper Size setting:

   a. Press **Menu** until you see Paper Menu, and then press **Select**.

   b. Press **Menu** until you see Paper Type (or Paper Size), and then press **Select**.

   `Tray 1 Type` (or **`Tray 1 Size`**) appears on the second line of the display.

   c. Press **Select** if you want to change the Tray 1 Type (or Tray 1 Size) setting or press **Menu** to scroll to another source.

   d. Press **Menu** to scroll through a list of possible paper types (or sizes).

   e. When you see the correct paper type (or size), press **Select** to save the type as the default.

   f. Press **Go** to return the printer to the Ready state.
3. From the computer software application, set the paper type, size, and source according to the media you loaded.

   a. In your word processor, spreadsheet, browser, or other application, select File ▸ Print.

   b. Click **Properties** (or **Options**, **Printer**, or **Setup**, depending on the application) to view the printer driver settings.

   c. Select the tray containing the specialty media from the **Form Source** list box.

   d. Select your media type (transparencies, envelopes, and so on) from the **Media Type** list box.

   e. Select the size of the specialty media from the **Form Type** list box.

   f. Click **OK**, and then send your print job as usual.

Linking trays

- If you load the same size and type of paper or specialty media in more than one tray, the printer automatically links the trays. This means that when one tray is empty, it feeds from the next linked tray.

  For example, if you have the same size and type of paper or specialty media loaded in tray 2 and tray 4, the printer feeds from tray 2 until it becomes empty, and then it feeds from the next linked tray—tray 4.

- If you load the same *size* paper or specialty media in each tray, make sure it is also all the same *type* to link the trays.

  Once the trays you selected are loaded with the same size and type of paper or specialty media, select the same **Paper Type** setting in the **Paper Menu** for these sources.

- To disable tray linking, set the **Paper Type** or **Paper Size** to a unique value in each one of the trays.

Linking bins

If you attach an optional finisher or mailbox to your printer, you can link output bins, or otherwise specify how the printer sends jobs to the bins, by changing the Configure Bins settings in the Paper Menu.

Value	Description
Mailbox	Lets you select an output bin when you send a job to print. (If you prefer, you can select a default output bin for all print jobs to go to.) The printer alerts you when the bin you selected becomes full, and stops printing until you empty the bin.
Link	Links all available bins so that when one bin becomes full, the printer sends jobs to the next linked bin.
Mail Overflow*	Sends jobs automatically to a preassigned overflow bin when the current bin becomes full.
Type Assignment	Lets you assign different types of media to specific output bins or set of linked bins. The printer then sends all printed media to the bin or set of linked bins that you designated to receive each type of paper or specialty media.
* Only available if you have attached an optional mailbox.	

To change the Configure Bins setting:

1. Press **Menu** until you see Paper Menu, and then press **Select**.
2. Press **Menu** until you see Configure Bins, and then press **Select**. Mailbox appears on the second line of the display.
3. Press **Menu** until you see the value you want, and then press **Select** to save the value as the bin configuration default.
4. Press **Go** to return the printer to the Ready state.

For more information, see **Configure Bins** and **Bin <x> Full**.

Holding a job in the printer

When sending a job to the printer, you can specify in the driver that you want the printer to hold the job in memory. When you are ready to print the job, you must go to the printer and use the operator panel menus to identify which *held* job you want to print.

> **Note:** *Print and Hold* functions require a minimum of 128MB available printer memory. We recommend a minimum of 256MB available printer memory and a hard disk.

Printing and deleting held jobs

Once held jobs are stored in printer memory, you can use the printer operator panel to specify what you want to do with one or more of the jobs. You can select either Confidential Job or Held Jobs (Repeat Print, Reserve Print, and Verify Print jobs) from the **Job Menu**. If you select Confidential Job, you must enter the personal identification number (PIN) you specified in the driver when you sent the job. See **Confidential jobs** for more information.

From either the Confidential Job or the Held Jobs menu items, you have five choices:

- Print All Jobs
- Print A Job
- Delete All Jobs
- Delete A Job
- Print Copies

Accessing held jobs from the operator panel

1. To access held jobs from the operator panel:
   - If the printer is Busy, press **Menu** and the Job Menu appears.
   - If the printer is Ready, continue to step 2.
2. Press **Menu** until you see Held Jobs or Confidential Job on the operator panel display, depending on the type of job you want to access.
3. Press **Select**.

   User Name appears on the first line of the operator panel. The second line displays the names of users currently associated with Print and Hold jobs.
4. Press **Menu** until you see your user name.

   > **Note:** If you are looking for a Confidential Job, you are prompted to enter your PIN. See **Confidential jobs** for more information.
5. Press **Select**.
6. Press **Menu** until the action you want to take is on the second line of the operator panel (Print A Job, Delete A Job, and so on).

7 Press **Select**.

- If you are looking for a particular job, press **Menu** to scroll through the list of available jobs, and press **Select** when the correct job is displayed. An asterisk (*) appears next to the job name indicating you have chosen to print or delete that job.
- If you are prompted to enter the number of copies you want to print, use **Menu** to increase or decrease the number on the display, and then press **Select**.

8 Press **Go** to print or delete specific jobs you have marked.

The printer briefly shows messages indicating what Print and Hold functions it is performing.

Recognizing when format errors occur

If the ⚡ symbol appears on the display, it indicates that the printer had trouble formatting one or more of the held jobs. These formatting problems are most commonly the result of insufficient printer memory or invalid data that might cause the printer to flush the job.

When a ⚡ symbol appears next to a held job, you can:

- Print the job. Be aware, however, that only part of the job may print.
- Delete the job. You may want to free up additional printer memory by scrolling through the list of held jobs and deleting others you have sent to the printer.

If formatting errors are a recurring problem with held jobs, your printer may require more memory.

Repeat Print

If you send a Repeat Print job, the printer prints all requested copies of the job *and* stores the job in memory so you can print additional copies later. You can print additional copies as long as the job remains stored in memory.

Note: Repeat Print jobs are automatically deleted from printer memory when the printer requires extra memory to process additional held jobs.

Reserve Print

If you send a Reserve Print job, the printer does not print the job immediately, but stores the job in memory so you can print the job later. The job is held in memory until you delete it from the Held Jobs menu. Reserve Print jobs may be deleted if the printer requires extra memory to process additional held jobs.

See **Printing and deleting held jobs** for information.

Verify Print

If you send a Verify Print job, the printer prints one copy and holds the remaining copies you requested from the driver in printer memory. Use Verify Print to examine the first copy to see if it is satisfactory before printing the remaining copies.

See **Printing and deleting held jobs** if you need help printing the additional copies stored in memory.

Note: Once all copies are printed, the Verify Print job is deleted from printer memory.

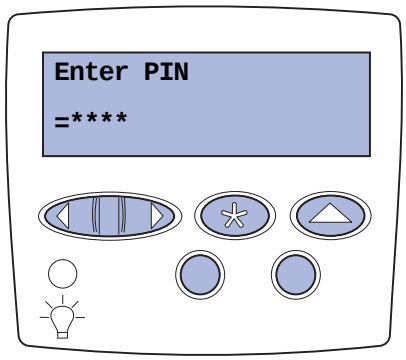
Confidential jobs

When you send a job to the printer, you can enter a personal identification number (PIN) from the driver. The PIN must be four digits using the numbers 1–6. The job is then held in printer memory until you enter the same four-digit PIN from the printer operator panel and choose to print or delete the job. This ensures that the job does not print until you are there to retrieve it, and no one else using the printer can print the job.

When you select Confidential Job from the Job Menu and then select your user name, the following prompt is displayed:

```
Enter PIN:
=____
```

Use the buttons on the operator panel to enter the four-digit PIN associated with your confidential job. The numbers next to the button names identify which button to press for each digit (1–6). As you enter the PIN, asterisks are displayed on the operator panel to ensure confidentiality.



If you enter an invalid PIN, the message **No Jobs Found. Retry?** appears. Press **Go** to reenter the PIN, or press **Stop** to exit the Confidential Job menu.

When you enter a valid PIN, you have access to all print jobs matching the user name and PIN you entered. The print jobs matching the PIN you entered appear on the display when you enter the Print A Job, Delete A Job, and Print Copies menu items. You can then choose to print or delete jobs matching the PIN you entered. (See **Printing and deleting held jobs** for more information.) After printing the job, the printer deletes the confidential job from memory.

Tips for successful printing

Storing paper

Use the following guidelines to avoid paper feeding problems and uneven print quality.

- Store paper in an environment where the temperature is approximately 21°C (70°F) and the relative humidity is 40%.
- Store cartons of paper on a pallet or shelf rather than directly on the floor.
- If you store individual packages of paper out of the original carton, make sure they rest on a flat surface so the edges do not buckle or curl.
- Do not place anything on top of paper packages.

Storing supplies

Choose a cool, clean storage area for your printer supplies. Store supplies *right side up* in their original packaging until you are ready to use them.

Do not expose supplies to:

- Direct sunlight
- Temperatures above 35°C (95°F)
- High humidity (above 80%)
- Salty air
- Corrosive gases
- Heavy dust

Avoiding jams

You can avoid most paper jams by correctly loading paper and specialty media in the printer.

See the following for loading instructions:

- **Loading 500-sheet trays**
- **Loading the 2000-sheet tray**
- **Loading the multipurpose feeder**

The following hints can help you avoid paper jams:

- Use only recommended paper. Refer to the *Card Stock & Label Guide* available on our Lexmark Web site at **www.lexmark.com** for more information about which paper provides optimum results for your printing environment.
- Do not remove paper trays while a job is printing. Wait for a **Load Tray <x>** or **Ready** message before you remove the tray.
- If you need detailed information before purchasing large quantities of customized paper, refer to the *Card Stock & Label Guide*.
- Do not load wrinkled, creased, or damp paper.
- Never mix media types within a tray.
- Flex, fan, and straighten paper before you load it.
- Do not overload the trays or the multipurpose feeder. Make sure the stack height does not exceed the maximum height indicated.
- Push all trays *firmly* into the printer after loading them.
- Make sure the guides in the trays are properly positioned for the size paper you have loaded.
- Do not send jobs to staple, hole punch, or offset for transparencies, labels, or card stock.
- We recommend that transparencies, labels, card stock, and envelopes not be sent to the optional mailbox or optional finisher. These specialty media types should be sent to the standard bin.
- If an optional finisher or mailbox is attached, make sure the printer and option are correctly aligned. Refer to the *Setup Guide* for alignment instructions.
- Make sure all cables that connect the high capacity feeder or finisher to the printer are correctly attached. Refer to the *Setup Guide* for more information.
- If a jam should occur, clear the entire paper path. See **Clearing the entire paper path** for more information.

Understanding fonts

Resident fonts

Your printer is equipped with resident fonts stored permanently in printer memory. Different fonts are available in PCL 6 and PostScript 3 emulations. Some of the most popular typefaces, like Courier and Times New Roman, are available for all printer languages.

The fonts in the PCL emulation are compatible with the fonts in the HP4600 and include four additional fonts and many extra symbol sets to support extra languages and applications. The fonts in the PostScript emulation are compatible with Adobe PostScript 3 and include 20 additional fonts.

The following tables list all the fonts resident in your printer. See **Printing sample fonts** for instructions on how to print samples of the fonts. You can select the resident fonts from your software application, or from the operator panel if you are using PCL 6 emulation.

PCL 6 emulation	PostScript 3 emulation
Albertus Medium	AlbertusMT
	AlbertusMT-Italic
	AlbertusMT-Light
Albertus Extra Bold	
Antique Olive	AntiqueOlive-Roman
Antique Olive Italic	AntiqueOlive-Italic
Antique Olive Bold	AntiqueOlive-Bold
	AntiqueOlive-Compact
Arial	ArialMT
Arial Italic	Arial-ItalicMT
Arial Bold	Arial-BoldMT
Arial Bold Italic	Arial-BoldItalicMT
ITC Avant Garde Book	AvantGarde-Book
ITC Avant Garde Book Oblique	AvantGarde-BookOblique
ITC Avant Garde Demi	AvantGarde-Demi
ITC Avant Garde Demi Oblique	AvantGarde-DemiOblique
ITC Bookman Light	Bookman-Light
ITC Bookman Light Italic	Bookman-LightItalic
ITC Bookman Demi	Bookman-Demi
ITC Bookman Demi Italic	Bookman-DemiItalic
C39 Narrow *	
C39 Regular *	
C39 Wide *	
Clarendon Condensed Bold	
Coronet	Coronet-Regular

* These fonts only available in PCL 5 emulation. They are not supported by Lexmark drivers.

PCL 6 emulation	PostScript 3 emulation
CourierPS	Courier
CourierPS Oblique	Courier-Oblique
CourierPS Bold	Courier-Bold
CourierPS Bold Oblique	Courier-BoldOblique
CG Omega	
CG Omega Bold	
CG Omega Italic	
CG Omega Bold Italic	
Garamond Antiqua	Garamond-Antiqua
Garamond Halbfett	Garamond-Halbfett
Garamond Kursiv	Garamond-Kursiv
Garamond Kursiv Halbfett	Garamond-KursivHalbfett
	GoldSansMM
	GoldSerifMM
Helvetica Light	Helvetica-Light
Helvetica Light Oblique	Helvetica-LightOblique
Helvetica Black	Helvetica-Black
Helvetica Black Oblique	Helvetica-BlackOblique
Helvetica	Helvetica
Helvetica Italic	Helvetica-Oblique
Helvetica Bold	Helvetica-Bold
Helvetica Bold Italic	Helvetica-BoldOblique
Helvetica Narrow	Helvetica-Narrow
Helvetica Narrow Italic	Helvetica-Narrow-Oblique
Helvetica Narrow Bold	Helvetica-Narrow-Bold
Helvetica Narrow Bold Italic	Helvetica-Narrow-BoldOblique
CG Times	Intl-CG-Times
CG Times Italic	Intl-CG-Times-Italic
CG Times Bold	Intl-CG-Times-Bold
CG Times Bold Italic	Intl-CG-Times-BoldItalic
Univers Medium	Intl-Univers-Medium
Univers Medium Italic	Intl-Univers-MediumItalic
Univers Bold	Intl-Univers-Bold
Univers Bold Italic	Intl-Univers-BoldItalic
Courier	Intl-Courier
Courier Italic	Intl-Courier-Oblique
Courier Bold	Intl-Courier-Bold
Courier Bold Italic	Intl-Courier-BoldOblique
* These fonts only available in PCL 5 emulation. They are not supported by Lexmark drivers.	

PCL 6 emulation	PostScript 3 emulation
Letter Gothic	LetterGothic
Letter Gothic Italic	LetterGothic-Slanted
Letter Gothic Bold	LetterGothic-Bold
	LetterGothic-BoldSlanted
Marigold	Marigold
Century Schoolbook Roman	NewCenturySchlbk-Roman
Century Schoolbook Italic	NewCenturySchlbk-Italic
Century Schoolbook Bold	NewCenturySchlbk-Bold
Century Schoolbook Bold Italic	NewCenturySchlbk-BoldItalic
OCR-A *	
OCR-B *	
	Optima
	Optima-Bold
	Optima-BoldItalic
	Optima-Italic
Palatino Roman	Palatino-Roman
Palatino Italic	Palatino-Italic
Palatino Bold	Palatino-Bold
Palatino Bold Italic	Palatino-BoldItalic
SymbolPS	Symbol
Symbol	
Times Roman	Times-Roman
Times Italic	Times-Italic
Times Bold	Times-Bold
Times Bold Italic	Times-BoldItalic
Times New Roman	TimesNewRomanPSMT
Times New Roman Italic	TimesNewRomanPS-ItalicMT
Times New Roman Bold	TimesNewRomanPS-BoldMT
Times New Roman Bold Italic	TimesNewRomanPS-BoldItalicMT
	Univers
	Univers-Oblique
	Univers-Bold
	Univers-BoldOblique
Univers Condensed Medium	Univers-Condensed
Univers Condensed Medium Italic	Univers-CondensedOblique
Univers Condensed Bold	Univers-CondensedBold
Univers Condensed Bold Italic	Univers-CondensedBoldOblique
Wingdings	Wingdings-Regular
* These fonts only available in PCL 5 emulation. They are not supported by Lexmark drivers.	

PCL 6 emulation	PostScript 3 emulation
ITC Zapf Chancery Medium Italic	ZapfChancery-MediumItalic
ITC Zapf Dingbats	ZapfDingbats
	Univers-Extended
	Univers-ExtendedObl
	Univers-BoldExt
	Univers-BoldExtObl
	Univers-Light
	Univers-LightOblique
	Clarendon
	Clarendon-Light
	Clarendon-Bold
	Helvetica-Condensed
	Helvetica-Condensed-Bold
	Helvetica-Condensed-BoldObl
	Helvetica-Condensed-Oblique
	StempelGaramond-Bold
	StempelGaramond-BoldItalic
	StempelGaramond-Italic
	StempelGaramond-Roman
	Apple-Chancery
	Chicago
	Geneva
	Monaco
	NewYork
	Oxford
	Taffy
	MonaLisa-Recut
	Candid
	Bodoni
	Bodoni-Italic
	Bodoni-Bold
	Bodoni-BoldItalic
	Bodoni-Poster
	Bodoni-PosterCompressed
	CooperBlack
	CooperBlack-Italic
	Copperplate-ThirtyTwoBC
	Copperplate-ThirtyThreeBC

* These fonts only available in PCL 5 emulation. They are not supported by Lexmark drivers.

PCL 6 emulation	PostScript 3 emulation
	Eurostile
	Eurostile-Bold
	Eurostile-ExtendedTwo
	Eurostile-BoldExtendedTwo
	GillSans
	GillSans-Italic
	GillSans-Bold
	GillSans-BoldItalic
	GillSans-Condensed
	GillSans-BoldCondensed
	GillSans-Light
	GillSans-LightItalic
	GillSans-ExtraBold
	Goudy
	Goudy-Italic
	Goudy-Bold
	Goudy-BoldItalic
	Goudy-ExtraBold
	HoeflerText-Regular
	HoeflerText-Italic
	HoeflerText-Black
	HoeflerText-BlackItalic
	HoeflerText-Ornaments
	JoannaMT
	JoannaMT-Italic
	JoannaMT-Bold
	JoannaMT-BoldItalic
	LubalinGraph-Book
	LubalinGraph-BookOblique
	LubalinGraph-Demi
	LubalinGraph-DemiOblique
* These fonts only available in PCL 5 emulation. They are not supported by Lexmark drivers.	

Resident bitmapped fonts

PCL 6 emulation	PostScript 3 emulation
Line Printer 16	
POSTNET Bar code	

Symbol sets

A *symbol set* is an encoded collection of alphabetic and numeric characters, punctuation, and special characters available in the font you select. Symbol sets support the requirements for different languages or specific applications, such as math symbols used for scientific text.

The symbol set encoding also defines which character will print for each key on the keyboard (or more specifically, for each *code point*). Some applications require different characters at some code points. To support multiple applications and languages, your printer has 88 symbol sets for the resident PCL 6 emulation fonts.

Symbol sets for PCL 6 emulation

Not all fonts support all of the symbol sets listed in **Resident symbol sets**. Refer to the *Technical Reference* to determine which symbol sets are supported by each font name.

Resident symbol sets

ABICOMP Brazil/Portugal	Wingdings	ISO 25: French
ABICOMP International	POSTNET Barcode	ISO 57: Chinese
DeskTop	ISO: German	ISO 60: Norwegian version 1
Legal	ISO: Spanish	ISO 61: Norwegian version 2
MC Text	ISO 2: IRV (Int'l Ref Version)	ISO 69: French
Microsoft Publishing	ISO 4: United Kingdom	ISO 84: Portuguese
Russian-GOST	ISO 6: ASCII	ISO 85: Spanish
Ukrainian	ISO 10: Swedish	ISO 8859-1 Latin 1 (ECMA-94)
PCL ITC Zapf Dingbats	ISO 11: Swedish for Names	ISO 8859-2 Latin 2
PS ITC Zapf Dingbats	ISO 14: JIS ASCII	ISO 8859-5 Latin/Cyrillic
PS Math	ISO 15: Italian	ISO 8859-7 Latin/Greek
PS Text	ISO 16: Portuguese	ISO 8859-9 Latin 5
Pi Font	ISO 17: Spanish	ISO 8859-10 Latin 6
Symbol	ISO 21: German	ISO 8859-15 Latin 9
PC-8 Bulgarian	PC-857 Latin 5 (Turkish)	Roman-9
PC-8 Danish/Norwegian (437N)	PC-858 Multilingual Euro	Roman Extension
PC-8 Greek Alternate (437G)	PC-860 Portugal	Ventura ITC Zapf Dingbats
PC-8 Turkish (437T)	PC-861 Iceland	Ventura International
PC-8 Latin/Greek	PC-863 Canadian French	Ventura Math

PC-8 PC Nova	PC-865 Nordic	Ventura US
PC-8 Polish Mazovia	PC-866 Cyrillic	Windows 3.0 Latin 1
PC-8 Code Page 437	PC-869 Greece	Windows 98 Cyrillic
PC-775 Baltic (PC-8 Latin 6)	PC-911 Katakana	Windows 98 Greek
PC-850 Multilingual	PC-1004 OS/2	Windows 98 Latin 1
PC-851 Greece	Math-8	Windows 98 Latin 2
PC-852 Latin 2	Greek-8	Windows 98 Latin 5
PC-853 Latin 3 (Turkish)	Turkish-8	Windows 98 Latin 6 (Baltic)
PC-855 Cyrillic	Roman-8	OCR-A
C39 Bar Code (Upper Case)		OCR-B
C39 Bar Code (plus Lower Case)		
C39 Bar Code (plus Human Readable)		

Downloadable fonts

You can download scalable fonts in PostScript 3 emulation and either scalable or bitmapped fonts in PCL 6 emulation. Fonts can be downloaded to printer memory, or to a flash memory option or hard disk option. Fonts downloaded to flash memory or hard disk remain in memory even after the printer language changes, the printer resets, or the printer is turned off.

Euro support

Support for the euro currency character is included in all applicable fonts for both the PostScript and PCL emulations. Twelve of the PCL symbol sets support the euro character, including all seven Windows symbol sets.

Hebrew and Arabic fonts

A variety of downloadable fonts for Hebrew and Arabic are included on the CD that shipped with the printer.

FontVision

Also included on the CD is the FontVision™ Management utility and screen fonts to match the resident scalable fonts. An additional 48 TrueType fonts are available on our Lexmark Web site when a customer registers the printer.

Printing sample fonts

Your printer has resident fonts stored permanently in its memory. Different fonts may be available in PCL and PostScript emulations.

To print samples of all the fonts currently available for your printer:

1. Make sure the printer is on and **Ready** appears on the display.
2. Press **Menu** until you see Utilities Menu, and then press **Select**.
3. Press **Menu** until you see Print Fonts, and then press **Select**.
4. Press **Menu** to display either PCL Fonts or PS Fonts.
   - Select PCL Fonts to print a listing of the fonts available in PCL 6 emulation.
   - Select PS Fonts to print a listing of the fonts available in PostScript 3 emulation.
5. Press **Select**.

   The message **`Printing Font List`** remains on the display until all pages print. The printer returns to the **Ready** message after the font sample list prints.

Refer to the *Technical Reference* on our Lexmark Web site for more information about font and symbol set support.

4 Paper and specialty media specifications

The following table lists supported paper and specialty media sizes and types for the standard and optional trays, as well as for the multipurpose feeder. We recommend that you try a limited sample of any paper or specialty media you are considering using with the printer before purchasing large quantities.

Source	Paper sizes supported	Paper types supported	Capacity
500-sheet trays	Letter, A4, A5, Legal, Executive, JIS B5, Folio[1], Statement[1], Universal[2,3]	Paper, transparencies, labels, card stock	• 500 sheets of 20 lb paper • 350 transparencies[5] • 200 sheets of labels or card stock[4,5]
2000-sheet tray	Letter, A4, A5, Legal, Executive, JIS B5	Paper	2000 sheets of 20 lb paper
Multipurpose feeder	Letter, A4, A5, Legal, Executive, JIS B5, Folio[1], Statement[1], Universal[2,3]	Paper, transparencies, labels, card stock	• 100 sheets of 20 lb paper • 75 transparencies[5] • 40 sheets of labels or card stock[4,5]
	7¾, 9, 10, DL, C5, B5, other[6]	Envelopes	10 envelopes

[1] Supported as selected paper with tray size sensing turned off in the appropriate trays.

[2] When selected, the page is formatted for 215.9 x 355.6 mm (8.5 x 14 in.) unless otherwise specified.

[3] Load narrow media with the length in the feed direction (portrait).

[4] If you print large quantities of labels or other glossy print media, replace the fuser housing with a web oiler field upgrade kit (P/N 56P1555 for a 115 V printer, P/N 56P1556 for a 220 V printer).

[5] Capacity varies with media weight and construction.

[6] Size can vary from 98.4 x 62 mm to 176 x 250 mm (3.87 x 6.38 in. to 6.93 x 9.84 in.).

For more details about the types of paper and specialty media your printer supports, refer to the *Card Stock & Label Guide* available on our Lexmark Web site at **www.lexmark.com**.

5 Using printer menus

Select a menu or menu item for more details.

Color Menu
Color Adjust
Color Balance
Color Correction
Color Samples
Color Saver
Manual Color
Print Mode
Print Resolution
Toner Darkness

Finishing Menu
Duplex
Duplex Bind
Copies
Blank Pages
Collation
Separator Sheets
Separator Source
Hole Punch
Offset Pages
Staple Job
Staple Prime Src
Multipage Print
Multipage Order
Multipage View
Multipage Border

Help Menu
Print All
Help Guide
Printing Guide
Supplies Guide
Print Quality
Color Quality
Media Guide
Connection Guide
Moving Guide
Print Defects
Jam Clearance

Job Menu
Cancel Job
Reset Printer
Print Buffer
Cancel Fax
Confidential Job
Held Jobs
Reset Active Bin

Network Menu
PCL SmartSwitch
PS SmartSwitch
MAC Binary PS
NPA Mode
Network Buffer
Job Buffering
Network <x> Setup
Std Net Setup

Parallel Menu
PCL SmartSwitch
PS SmartSwitch
NPA Mode
Parallel Buffer
Job Buffering
Advanced Status
Protocol
Honor Init
Parallel Mode 1
Parallel Mode 2
MAC Binary PS

PCL Emul Menu
Font Source
Font Name
Point Size
Pitch
Symbol Set
Orientation
Lines per Page
A4 Width
Auto CR after LF
Auto LF after CR
Tray Renumber

Paper Menu
Paper Source
Paper Size
Paper Type
Custom Types
Output Bin
Configure Bins
Overflow Bin
Assign Type/Bin
Substitute Size
Configure MP
Paper Texture
Paper Weight
Paper Loading
Universal Setup

PostScript Menu
Print PS Error
Font Priority
Image Smoothing

Serial Menu
PCL SmartSwitch
PS SmartSwitch
NPA Mode
Serial Buffer
Job Buffering
Serial Protocol
Robust XON
Baud
Data Bits
Parity
Honor DSR

Setup Menu
Printer Language
Printer Usage
Power Saver
Resource Save
Download Target
Print Timeout
Auto Continue
Wait Timeout
Jam Recovery
Page Protect
Display Language
Alarm Control
Hole Punch Alarm
Staple Alarm
Toner Alarm
Job Accounting
Print Area
Black & White Lock

Supplies Menu
<color> Toner
Oiler
Waste Bottle

USB Menu
PCL SmartSwitch
PS SmartSwitch
MAC Binary PS
NPA Mode
USB Buffer
Job Buffering

Utilities Menu
Print Menus
Print Net <x> Setup
Print Fonts
Print Directory
Factory Defaults
Format Flash
Defragment Flash
Format Disk
Job Acct Stat
Hex Trace
Color Alignment
Coverage Estimator

Color Menu

Use the Color Menu to adjust print quality and customize color printing.

Note: Values marked by an asterisk (*) are the factory default settings.

Menu Item	Purpose	Values	
Color Adjust	To manually recalibrate the color conversion tables, adjusting for variations in output that can occur as a result of changing conditions, such as room temperature or humidity.	No selections exist for this operation. Pressing **Select** initiates this operation.	
Color Balance	To provide users with the ability to make subtle color adjustments to printed output by increasing or decreasing the amount of toner being used for each color plane individually. **Note:** This function is only applied to files printed using the PostScript driver.	**Cyan**	-5, -4, -3, -2, -1, 0*, 1, 2, 3, 4, 5 • -5 is maximum decrease • 5 is maximum increase
		Magenta	
		Yellow	
		Black	
		Reset Defaults	Sets values for Cyan, Magenta, Yellow, and Black to 0 (zero).
Color Correction	To adjust the printed color to better match the colors of other output devices or standard color systems. **Note:** Due to the differences between additive and subtractive colors, certain colors that appear on your monitor are impossible to duplicate on your printer.	**Auto***	Applies different color conversion tables to each object on the printed page depending upon the type of object and how the color for each object is specified.
		Off	No color correction is implemented.
		Manual	Lets you customize the color conversion tables applied to each object on the printed page depending upon the type of object and how the color for each object is specified. Customization is performed using the selections available under the Manual Color menu item.

Menu Item	Purpose	Values	
Color Samples	To assist users in selecting colors to be printed. Users can print color samples pages for each of the RGB and CMYK color conversion tables used in the printer. The color samples pages consist of a series of colored boxes along with the RGB or CMYK combination that creates the color observed for each particular box. These pages can be useful in helping users decide which RGB or CMYK combinations to use in their software applications to create the desired printed color output.	**sRGB Display**	Prints RGB samples using sRGB Display color conversion tables.
		sRGB Vivid	Prints RGB samples using sRGB Vivid color conversion tables.
		Off–RGB	Prints RGB samples using Off (or no) color conversion tables.
		Vivid	Prints RGB samples using Vivid color conversion tables.
		US CMYK	Prints CMYK samples using US CMYK color conversion tables.
		Euro CMYK	Prints CMYK samples using Euro CMYK color conversion tables.
		Off–CMYK	Prints CMYK samples using Off (or no) color conversion tables.
		Vivid CMYK	Prints CMYK samples using Vivid CMYK color conversion tables.
Color Saver	To conserve toner. If selected, this setting overrides Toner Darkness settings.	**Off***	Prints using Toner Darkness setting.
		On	Applies a lower Toner Darkness level. Toner Darkness setting is ignored.

Menu Item	Purpose	Values	
Manual Color	To let users customize the RGB or CMYK color conversions applied to each object on the printed page. Color conversion of the data specified using RGB combinations can be customized based on object type (text, graphics, or image).	**RGB Image**	• **sRGB Display***: Applies a color conversion table to produce output that approximates the colors displayed on a computer monitor. • **sRGB Vivid**: Increases color saturation for the sRGB Display color conversion table. Preferred for business graphics and text. • **Off**: No color conversion is implemented. • **Vivid**: Applies a color conversion table that produces brighter, more saturated colors.
		RGB Text **RGB Graphics**	• **sRGB Display** • **sRGB Vivid*** • **Off** • **Vivid**
		CMYK	• **US CMYK** *(default for 120V machines)***:** Applies a color conversion table to approximate SWOP color output. • **Euro CMYK** *(default for 220V machines)*: Applies color conversion table to approximate EuroScale color output. • **Vivid CMYK:** Increases color saturation for the US CMYK color conversion table. • **Off:** No color conversion is implemented.
Print Mode	To determine whether files are printed in a monochrome grayscale or in color.	**Color***	
		Black & White	
Print Resolution	To define the number of dots printed per inch (dpi).	**2400 IQ***	Default setting.
		1200 dpi	Provides the highest resolution output which generates preferable output for certain images and graphics. This setting also provides increased gloss.

Menu Item	Purpose	Values	
Toner Darkness	To lighten or darken printed output, or conserve toner. **Note:** Setting Toner Darkness to values of 1, 2, or 3 is only effective when using the PostScript driver.	**5**	If Print Mode is Black & White, a setting of 5 increases toner density and darkness to all print jobs (PCL or PostScript). If Print Mode is Color, a setting of 5 is the same as 4.
		4*	Default toner darkness setting.
		3	Reduction in toner consumption.
		2	Further reduction in toner consumption.
		1	Maximum reduction in toner consumption.

Finishing Menu

Use the Finishing Menu to define how the printer delivers the printed output.

Note: Values marked by an asterisk (*) are the factory default settings.

Menu Item	Purpose	Values	
Blank Pages	To specify whether to include application-generated blank pages as part of your printed output.	**Do Not Print***	Does not print application-generated blank pages as part of your job.
		Print	Prints application-generated blank pages as part of your job.
Collation	To keep the pages of a print job stacked in sequence when printing multiple copies of the job.	**Off***	Prints each page of a job the number of times specified by the Copies menu item. For example, if you set Copies to 2 and send three pages to print, the printer prints page 1, page 1, page 2, page 2, page 3, page 3.
		On	Prints entire job the number of times specified by the Copies menu item. For example, if you set Copies to 2 and send three pages to print, the printer prints page 1, page 2, page 3, page 1, page 2, page 3.
Copies	To set the number of copies you want for the printer default value. (Set the number of copies required for a specific job from the printer driver. Values selected from the printer driver always override values selected from the operator panel.)	**1...999 (1*)**	
Duplex	To set duplexing as the default for all print jobs. (Select Duplex from the printer driver to duplex only specific jobs.)	**Off***	Prints on one side of the paper.
		On	Prints on both sides of the paper.

<table>
<tr><th>Menu Item</th><th>Purpose</th><th colspan="2">Values</th></tr>
<tr><td rowspan="2">Duplex Bind</td><td rowspan="2">To define the way duplexed pages would be bound, and how the printing on the back of the sheet (even-numbered pages) is oriented in relation to the printing on the front (odd-numbered pages).</td><td>Long Edge*</td><td>Assumes binding along the long end of the page (left edge for portrait orientation and top edge for landscape orientation).</td></tr>
<tr><td>Short Edge</td><td>Assumes binding along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation).</td></tr>
<tr><td rowspan="2">Hole Punch</td><td rowspan="2">To punch holes along the edge of all printed output. (Select Hole Punch from the printer driver to punch holes only in output for a specific job.)</td><td>Off*</td><td>Does not punch holes in printed output.</td></tr>
<tr><td>On</td><td>Punches holes in every printed page.</td></tr>
<tr><td rowspan="2">Multipage Border</td><td rowspan="2">To print a border around each page image when using Multipage Print.</td><td>None*</td><td>Does not print a border around each page image.</td></tr>
<tr><td>Solid</td><td>Prints a solid line border around each page image.</td></tr>
<tr><td rowspan="2">Multipage Order</td><td rowspan="2">To determine the positioning of multiple page images when using Multipage Print. The positioning depends on the number of images and whether the images are portrait or landscape in orientation.</td><td colspan="2">Horizontal*</td></tr>
<tr><td colspan="2">Vertical</td></tr>
<tr><td></td><td colspan="3">Rev Horizontal</td></tr>
<tr><td></td><td colspan="3">Rev Vertical</td></tr>
<tr><td></td><td colspan="3">For example, if you select 4-Up multipage printing and portrait orientation, the results differ depending on the Multipage Order value you select:
Horizontal Order
1 2
3 4
Vertical Order
1 3
2 4
Reverse Horizontal Order
2 1
4 3
Reverse Vertical Order
3 1
4 2</td></tr>
<tr><td rowspan="8">Multipage Print</td><td rowspan="8">To print multiple page images on one side of a sheet of paper. Also called n-up or Paper Saver.</td><td>Off*</td><td>Prints 1 page image per side.</td></tr>
<tr><td>2 Up</td><td>Prints 2 page images per side.</td></tr>
<tr><td>3 Up</td><td>Prints 3 page images per side.</td></tr>
<tr><td>4 Up</td><td>Prints 4 page images per side.</td></tr>
<tr><td>6 Up</td><td>Prints 6 page images per side.</td></tr>
<tr><td>9 Up</td><td>Prints 9 page images per side.</td></tr>
<tr><td>12 Up</td><td>Prints 12 page images per side.</td></tr>
<tr><td>16 Up</td><td>Prints 16 page images per side.</td></tr>
</table>

Menu Item	Purpose	Values	
Multipage View	To determine the orientation of a multipage sheet.	**Auto***	Lets the printer choose between portrait and landscape orientation.
		Long Edge	Sets the long edge of the paper as the top of the page (landscape).
		Short Edge	Sets the short edge of the paper as the top of the page (portrait).
Offset Pages	To offset the output of each print job or each copy of a print job, making it easier to separate the documents stacked in the output bin.	**None***	Stacks all sheets directly on top of each other.
		Between Copies	Offsets each copy of a print job.
		Between Jobs	Offsets each print job.
Separator Sheets	To insert blank separator sheets between jobs, between multiple copies of a job, or between each page of a job.	**None***	Does not insert separator sheets.
		Between Copies	Inserts a blank sheet between each copy of a job. If Collation is Off, a blank page is inserted between each set of printed pages (all page 1's, all page 2's, and so on). If Collation is On, a blank page is inserted between each collated copy of the job.
		Between Jobs	Inserts a blank sheet between jobs.
		Between Pages	Inserts a blank sheet between each page of a job. This is useful if you are printing transparencies or want to insert blank pages in a document for notes.
Separator Source	To specify the paper source that holds separator sheets.	**Tray <x> (Tray 1*)**	Selects separator sheets from the specified tray.
		MP Feeder	Selects separator sheets from the multipurpose feeder. (You must also set Configure MP to Cassette.)
Staple Job	To set stapling as the default for all print jobs. (Select stapling from the printer driver if you want to staple only specific jobs.)	**Off***	Does not staple print jobs.
		On	Staples each print job sent to the printer.
Staple Prime Src	To specify the paper source you want the printer to use when it primes the stapler. When a staple cartridge is replaced or a staple jam is cleared, the printer may need to prime the stapler by stapling a sheet of paper several times.	**Tray <x> (Tray 1*)**	Selects paper from the specified tray.
		MP Feeder	Selects paper from the multipurpose feeder.

Help Menu

Use the Help Menu to print any of the following quick reference guides. Press **Select** to print the selected guide.

Menu Item	Purpose
Print All	Prints all the quick reference pages at once.
Help Guide	Provides information about how to use the Help Menu and how to get online help.
Printing Guide	Provides information about how to load trays, printing on specialty media, and how to set the paper size and type.
Supplies Guide	Provides part numbers for ordering supplies.
Print Quality	Provides information about print quality problems and solutions.
Color Quality	Provides information about how to get the best color performance.
Media Guide	Provides details about supported print media
Connection Guide	Provides instructions about how to connect the printer to a computer or network.
Moving Guide	Provides helpful information about how to pack up the printer before moving it.
Print Defects	Provides guidelines for solving repetitive print defects.
Jam Clearance	Provides directions about how to clear jams.

Job Menu

The Job Menu is only available when the printer is busy processing or printing a job, when a printer message is displayed, or when the printer is in Hex Trace mode. Press **Menu** to open the Job Menu.

Menu Item	Purpose	Values	
Cancel Fax	To cancel outgoing faxes before they are transmitted or to cancel incoming faxes before they finish printing.	**R**	Cancels an incoming fax. When the fax number for the sending machine is displayed, press **Select** to cancel the incoming fax.
		D	Cancels an outgoing fax. When the fax number for the receiving machine is displayed, press **Select** to cancel the fax job. If the telephone number of the fax you want to cancel is not displayed, use the **Menu** button to scroll through the list. The printer can display up to five outgoing fax numbers in the outgoing fax queue. When more than five faxes are in the queue, the next fax job appears on the display as an outgoing fax is transmitted or canceled.
Cancel Job	To cancel the current print job. **Note:** Cancel Job is only displayed if the printer is processing a job or has a job in printer memory.		

Menu Item	Purpose	Values	
Confidential Job	To print confidential jobs stored in printer memory. **Note:** When the confidential job prints, it is automatically deleted from printer memory.		
	1 Enter the Personal Identification Number (PIN) associated with your confidential job.	**Enter PIN**	Use the operator panel buttons to enter the PIN associated with your confidential job.
	2 Then select a value:	**Print All Jobs**	Prints all jobs associated with your PIN.
		Print A Job	Prints the specified confidential job. Press **Menu** to scroll through the list of confidential jobs associated with your PIN. Press **Select** to print a specific job.
		Delete All Jobs	Deletes all jobs associated with your PIN.
		Delete A Job	Deletes the specified confidential job. Press **Menu** to scroll through the list of Confidential Jobs associated with your PIN. Press **Select** to delete a specific job.
		Copies	Determines the number of copies printed for each confidential job. Press **Menu** to scroll through the list of confidential jobs associated with your PIN. Press **Select** to specify the job you want to print. Press **Menu** to increase or decrease the number of copies, and then press **Select**.
Held Jobs	To print Reserve Print, Repeat Print, or Verify Print jobs stored in printer memory.	**Print All Jobs**	Prints all held jobs.
		Print A Job	Prints the specified held job. Press **Menu** to scroll through the list of held jobs. Press **Select** to print the specific job.
		Delete All Jobs	Deletes all held jobs.
		Delete A Job	Deletes the designated held job. Press **Menu** to scroll through the list of held jobs. Press **Select** to delete the job.
		Copies	Determines the number of copies for each held job. Press **Menu** to scroll through the list of held jobs. Press **Select** to specify the job you want to print. Press **Menu** to increase or decrease the number of copies, and then press **Select**.
Print Buffer	To print any data stored in the print buffer. **Note:** Print Buffer is only available when you enter the Job Menu while **Waiting** is displayed. The Waiting state occurs if an incomplete job is sent to the printer or an ASCII job, such as a print screen command, is printing.		

Menu Item	Purpose	Values
Reset Active Bin	To define the active bin as the start bin (the first bin to receive printed output) in a set of linked bins.	
Reset Printer	To reset the printer to the user default value for each menu item, delete all downloaded resources (fonts, macros, and symbol sets) stored in printer memory (RAM), and delete all data in the interface link buffer. Before selecting Reset Printer, exit the software application you are using.	

Network Menu

Use the Network Menu to change printer settings affecting jobs sent to the printer through a network port (either Standard Network or Network Opt <x>).

Note: Values marked by an asterisk (*) are the factory default settings.

Menu Item	Purpose	Values	
Job Buffering	To temporarily store jobs on the printer hard disk before printing. **Note:** Changing this menu item automatically resets the printer.	**Off***	Does not buffer jobs to the hard disk.
		On	Buffers print jobs to the hard disk.
		Auto	Buffers print jobs only if the printer is busy processing data from another input port.
MAC Binary PS	To configure the printer to process Macintosh binary PostScript print jobs.	**On**	Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. **Note:** This setting often causes Windows print jobs to fail.
		Off	Printer filters PostScript print jobs using standard protocol.
		Auto*	Printer processes print jobs from computers using either Windows or Macintosh operating systems.
Network Buffer	To configure the size of the network input buffer. **Note:** Changing the Network Buffer menu item automatically resets the printer.	**Auto***	Printer automatically calculates the Network Buffer size (recommended setting).
		3K to maximum size allowed	User specifies the Network Buffer size. The maximum size depends on the amount of memory in your printer, the size of the other link buffers, and whether Resource Save is set to On or Off. To maximize the range for the Network Buffer size, disable or reduce the size of the parallel, serial, and USB buffers.
Network <x> Setup	To configure an internal print server.	Values for this menu item are supplied by the specific print server. Select the menu item to see the available values. **Note:** Refer to the documentation on the drivers CD for more information.	

Menu Item	Purpose	Values	
NPA Mode	To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol. **Note:** Changing this menu item automatically resets the printer.	**Off**	Printer does not perform NPA processing.
		Auto*	Printer examines the data to determine the format and then processes it appropriately.
PCL SmartSwitch	To configure the printer so it automatically switches to PCL emulation when a print job received through the network port requires it, regardless of the default printer language.	**On***	Printer examines data on the network interface and selects PCL emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off.
PS SmartSwitch	To configure the printer so it automatically switches to PostScript emulation when a print job received through the network port requires it, regardless of the default printer language.	**On***	Printer examines data on the network interface connection and selects PostScript emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.
Std Net Setup	To configure an internal print server.	Values for this menu item are supplied by the specific print server. Select the menu item to see the available values. **Note:** Refer to the documentation on the drivers CD for more information.	

Parallel Menu

Use the Parallel Menu to change printer settings affecting jobs sent to the printer through a parallel port (either Std Parallel or Parallel Opt <x>).

Note: Values marked by an asterisk (*) are the factory default settings.

Menu Item	Purpose	Values	
Advanced Status	To enable bidirectional communication through the parallel port.	**Off**	Disables parallel port negotiation.
		On*	Enables bidirectional communication through the parallel interface.
Honor Init	To determine whether the printer honors hardware initialization requests from the computer. The computer requests initialization by activating the INIT signal on the parallel interface. Many personal computers activate the INIT signal each time the computer is turned on and off.	**Off***	Printer does not honor hardware initialization requests from the computer.
		On	Printer honors hardware initialization requests from the computer.
Job Buffering	To temporarily store jobs on the printer hard disk before printing. **Note:** Changing this menu item automatically resets the printer.	**Off***	Does not buffer print jobs to the hard disk.
		On	Buffers print jobs to the hard disk.
		Auto	Buffers print jobs only if the printer is busy processing data from another input port.
MAC Binary PS	To configure the printer to process Macintosh binary PostScript print jobs.	**On**	Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. **Note:** This setting often causes Windows print jobs to fail.
		Off	Printer filters PostScript print jobs using standard protocol.
		Auto*	Printer processes print jobs from computers using either Windows or Macintosh operating systems.
NPA Mode	To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol. **Note:** Changing this menu item automatically resets the printer.	**On**	Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data.
		Off	Printer does not perform NPA processing.
		Auto*	Printer examines data and determines the format and then processes it appropriately.

Menu Item	Purpose	Values	
Parallel Buffer	To configure the size of the parallel input buffer. **Note:** Changing this menu item automatically resets the printer.	**Disabled**	Disables job buffering. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes.
		Auto*	Printer automatically calculates the Parallel Buffer size (recommended setting).
		3K to maximum size allowed	User specifies the Parallel Buffer size. The maximum size depends on the amount of memory in your printer, the size of the other link buffers, and whether Resource Save is set to On or Off. To maximize the range for the Parallel Buffer size, disable or reduce the size of the serial, and USB buffers.
Parallel Mode 1	To control the pull-up resistors on the parallel port signals. This menu item is useful for personal computers that have open collector outputs on the parallel port signals.	**On**	Disables the resistors.
		Off*	Enables the resistors.
Parallel Mode 2	To determine whether the parallel port data is sampled on the leading or trailing edge of strobe.	**On***	Samples parallel port data on the leading edge of strobe.
		Off	Samples parallel port data on the trailing edge of strobe.
PCL SmartSwitch	To configure the printer so it automatically switches to PCL emulation when a print job received through the parallel port requires it, regardless of the default printer language.	**On***	Printer examines data on the parallel interface and selects PCL emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off.
PS SmartSwitch	To configure the printer so it automatically switches to PostScript emulation when a print job received through the parallel port requires it, regardless of the default printer language.	**On***	Printer examines data on the parallel interface and selects PostScript emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.
Protocol	To specify the parallel interface protocol.	**Standard**	May resolve some parallel interface problems.
		Fastbytes*	Provides compatibility with most existing parallel interface implementations (recommended setting).

PCL Emul Menu

Use the PCL Emul Menu to change printer settings that only affect jobs using the PCL emulation printer language.

Note: Values marked by an asterisk (*) are the factory default settings.

Menu Item	Purpose	Values	
A4 Width	To select the width of the logical page for A4 size paper.	**198 mm***	Makes the logical page compatible with the Hewlett-Packard LaserJet 5 Printer.
		203 mm	Makes the logical page wide enough to print eighty 10-pitch characters.
Auto CR after LF	To specify whether the printer automatically performs a carriage return after a line feed control command.	**Off***	Printer does not perform a carriage return after a line feed control command.
		On	Printer performs a carriage return after a line feed control command.
Auto LF after CR	To specify whether the printer automatically performs a line feed after a carriage return control command.	**Off***	Printer does not perform a line feed after a carriage return control command.
		On	Printer performs a line feed after a carriage return control command.
Font Name	To choose a specific font from the specified font source.	**R0 Courier 10***	The font name and font ID for all fonts in the selected font source are displayed. The font source abbreviation is R for resident, F for flash, K for disk, and D for download.
Font Source	To determine the set of fonts displayed in the Font Name menu item.	**Resident***	Displays all fonts resident in printer RAM when the printer ships from the factory.
		Download	Displays all fonts downloaded to printer RAM.
		Flash	Displays all fonts stored in flash memory.
		Disk	Displays all fonts stored on the printer hard disk.
		All	Displays all fonts available to the printer from all sources.
Lines per Page	To determine the number of lines that print on each page.	**1...255**	The printer sets the amount of space between each line (vertical line spacing) based on the Lines per Page, Paper Size, and Orientation menu items. Select the correct Paper Size and Orientation before changing Lines per Page.
		60* (country/region-specific factory default values)	
		64* (country/region-specific factory default values)	

Menu Item	Purpose	Values	
Orientation	To determine how text and graphics are oriented on the page.	**Portrait***	Prints text and graphics parallel to the short edge of the paper.
		Landscape	Prints text and graphics parallel to the long edge of the paper.
Pitch	To specify the font pitch for scalable monospaced fonts.	**0.08...100** (in increments of 0.01 cpi)	Pitch refers to the number of fixed-space characters in a horizontal inch of type. You can select a pitch from 0.08 to 100 characters per inch (cpi) in increments of 0.01 cpi. For nonscalable monospaced fonts, the pitch is displayed, but cannot be changed. **Note:** Pitch is only displayed for fixed, or monospaced, fonts.
		10*	
Point Size	To change the point size for scalable typographic fonts.	**1...1008** in increments of 0.25 points)	Point size refers to the height of the characters in the font. One point equals approximately 1/72 of an inch. You can select point sizes from 1 to 1008 in increments of 0.25 points. **Note:** Point Size is only displayed for typographic fonts.
		12*	
Symbol Set	To choose a symbol set for a specified font name.	**10U PC-8*** (country/region-specific factory default values)	A symbol set is a set of alphabetic and numeric characters, punctuation, and special symbols used when printing with a selected font. Symbol sets support the different requirements for languages or specific applications, such as math symbols for scientific text. Only the symbol sets supported for the selected font name are displayed.
		12U PC-850* (country/region-specific factory default values)	
Tray Renumber	To configure your printer to work with printer drivers or applications that use different source assignments for the paper trays. **Note:** Refer to the *Technical Reference* for more information about assigning source numbers.		
	1 Select a paper source.	**Assign Tray <x>**	
		Assign MP Feeder	
		Assign Man Env	
		Assign Man Paper	
	2 Select a value.	**Off***	Printer uses factory default paper source assignments.
		0...199	Select a numeric value to assign a custom value to a paper source.
		None	Paper source ignores the Select Paper Feed command.
	Other Tray Renumber selections	**View Factory Def**	Press **Menu** to display the factory default value assigned to each paper source.
		Restore Defaults	Select Yes to return all tray assignments to factory default values.

Paper Menu

Use the Paper Menu to define the paper loaded in each paper tray and the default paper source and output bin.

Note: Values marked by an asterisk (*) are the factory default settings.

Menu Item	Purpose	Values	
Assign Type/ Bin	To send print jobs to a specific output bin based on the requested paper type. **Note:** If a user-defined name is available, it is displayed instead of Custom <x> Bin. The name is truncated to 14 characters. If two or more bins share the same name, the name only appears once in the Assign Type/Bin value list.	**Plain Paper Bin**	
		Card Stock Bin	
		Transparency Bin	
		Glossy Paper Bin	
		Labels Bin	
		Bond Bin	
		Envelope Bin	
		Letterhead Bin	
		Preprinted Bin	
		Colored Bin	
		Custom <x> Bin (where <x> represents 1 through 6)	
		Disabled*	
Configure Bins	To determine which output bin(s) the printer uses for a particular job.	**Mailbox***	Sends print jobs to the output bin designated for that user.
		Link	Links two or more bins together as though they were one large bin. When one linked bin is full, the printer starts filling the next linked bin, and continues with each additional linked bin.
		Mail Overflow	Sends print jobs to the output bin designated for that user until it is full, and then sends jobs to the designated overflow bin.
		Link Optional	Links all optional output bins as though they were one large bin, while leaving the standard bin individually addressable.
		Type Assignment	Sends each job to the output bin specified for that paper type.

Menu Item	Purpose	Values	
Configure MP	To determine when the printer selects paper loaded in the multipurpose feeder.	**Cassette***	Printer treats the multipurpose feeder like any other paper tray. If a print job requests a paper size or type that is only loaded in the multipurpose feeder, the printer pulls paper from the multipurpose feeder for the job.
		Manual	Printer treats the multipurpose feeder like a manual feed tray, and displays **`Load Manual`** when you need to insert a single sheet of paper in the feeder.
		First	Printer pulls paper from the multipurpose feeder until it is empty, regardless of the paper source or paper size requested for the job.
Custom Types	To specify the kind of paper associated with each of the Custom Types available in the Paper Type menu item.	Values for Custom Type <x>, where <x> represents 1, 2, 3, 4, 6 (paper only), or 5 (transparencies only):	
		Paper*	**Note:** If a user-defined name is available, it is displayed instead of Custom Type <x>. The user-defined name is truncated to 14 characters. If two or more custom types share the same name, the name only appears once in the Custom Types value list.
		Card Stock	
		Transparency	
		Glossy Paper	
		Labels	
		Envelope	
Output Bin	To specify the default bin for printed material.	**Standard Bin***	**Note:** If a user-defined name is available, it is displayed instead of Bin <x>. The name is truncated to 14 characters. If two or more bins share the same name, the name only appears once in the Output Bin value list.
		Bin <x>	
Overflow Bin	To designate an output bin as the overflow bin. If Configure Bins is set to Mail Overflow and a specific output bin is full, the printer automatically diverts printed material to the overflow bin.	**Standard Bin***	**Note:** If a user-defined bin is available, it is displayed instead of Bin <x>. The name is truncated to 14 characters. If two or more bins share the same name, the name only appears once in the Overflow Bin value list.
		Bin <x>	

Menu Item	Purpose	Values	
Paper Loading	To properly handle preprinted paper loaded in a tray, whether the job is a duplexed job or a single-sided job.		
	1 Select a paper type. **Note:** If a user-defined name is available, it is displayed instead of Custom <x> Loading. The name is truncated to 14 characters.	**Card Stock Load**	
		Glossy Loading	
		Colored Loading	
		Custom <x> Loading	
		Ltrhead Loading	
		Preprint Loading	
		Bond Loading	
	2 Select a value.	**Duplex**	Notifies the printer that the specified paper type is loaded properly for duplex printing. If the printer receives a single-sided job using that paper type, the printer inserts blank pages as necessary to print the job properly on preprinted forms. This setting may slow single-sided printing.
		Off*	Printer assumes preprinted material is loaded for single-sided printing. Duplexed jobs may not print properly.

Menu Item	Purpose	Values	
Paper Size	To identify the default paper size for each paper source. For trays with automatic size sensing, only the value detected by the hardware is displayed.		
	1 Select a paper source.	**Tray <x> Size**	
		Manual Pap Size	
		MP Feeder Size	
		Manual Env Size	
	2 Select a value. (* Denotes country/region-specific factory default values) **Note:** Size sensing must be turned off for Statement and Folio values to appear.	**Letter***	
		Legal	
		Executive	
		Statement	
		A4*	
		A5	
		B5	
		Folio	
		10 Envelope* (US)	
		9 Envelope	
		B5 Envelope	
		Other Envelope	
		7 3/4 Envelope	
		DL Envelope* (non US)	
		C5 Envelope	
		Universal	Select Universal when you load paper that does not match any of the other available sizes. The printer automatically formats the page for the maximum possible size. You can then set the actual page size from your application software.
Paper Source	To identify the default paper source.	**Tray <x> (Tray 1*)**	If you loaded the same size and type of paper in two paper sources (and the Paper Size and Paper Type menu items are correctly set), the trays are automatically linked. When one paper source is empty, paper automatically feeds from the next linked source.
		MP Feeder	
		Env Feeder	
		Manual Paper	
		Manual Env	

Menu Item	Purpose	Values	
Paper Texture	To identify the texture of the paper loaded in a specific source and to ensure that characters print clearly. Use Paper Texture in connection with the Paper Type and Paper Weight menu items. You may need to change those menu items to optimize print quality for your specific paper.		
	1 Select a paper type.	**Plain Texture**	
		Card Stock Text	
		Trnsprncy Text	
		Preprint Texture	
		Colored Texture	
		Custom <x> Texture	
		Labels Texture	
		Bond Texture	
		Envelope Texture	
		Ltrhead Texture	
		Glossy Texture	
	2 Select a value.	**Smooth**	**Note:** The default for Bond Texture is Rough instead of Normal. If a user-defined name is available for a custom Type, then the name is displayed instead of Custom <x> Texture. The name is truncated to 14 characters.
		Normal*	
		Rough	

Menu Item	Purpose	Values
Paper Type	To identify the type of paper installed in each paper source. Use this menu item to: • Optimize print quality for the specified paper. • Select paper sources through your software application by selecting type and size. • Automatically link paper sources. Any sources containing the same type and size of paper are automatically linked by the printer, if you have set the Paper Size and the Paper Type to the correct values.	
	1 Select a paper source.	**Tray <x> Type**
		Manual Pap Type
		MP Feeder Type
		Manual Env Type
	2 Select a value.	**Plain Paper**
		Card Stock
		Transparency
		Labels
		Bond
		Letterhead
		Preprinted
		Custom Type <x>
		Glossy Paper
		Envelope
		Colored Paper
	The Paper Type default for each envelope source is Envelope. The Paper Type default for each paper tray is as follows: **Note:** If a user-defined name is available, it is displayed instead of Custom Type <x>. The user-defined name is truncated to 14 characters. If two or more custom types share the same name, the name only appears once in the Paper Type value list.	**Tray 1**–Plain Paper
		Tray 2–Custom Type 2
		Tray 3–Custom Type 3
		Tray 4–Custom Type 4
		Manual Pap Type–Custom Type 6

Menu Item	Purpose	Values	
Paper Weight	To identify the relative weight of the paper loaded in a specific source and ensure that the toner adheres properly to the printed page.		
	1 Select a paper type. **Note:** If a user-defined name is available, it is displayed instead of Custom <x> Weight. The name is truncated to 14 characters.	**Plain Weight**	
		CardStock Weight	
		Trnsprncy Weight	
		Preprint Weight	
		Colored Weight	
		Custom <x> Weight	
		Bond Weight	
		Envelope Weight	
		Glossy Weight	
		Labels Weight	
		Ltrhead Weight	
	2 Select a value.	**Light**	
		Normal*	
		Heavy	
Substitute Size	To have the printer substitute the specified paper size if the requested size is not loaded.	**Off**	Printer prompts the user to load the requested paper size.
		Statement/A5	Prints A5 size jobs on statement size paper if only statement size paper is loaded, and prints statement size jobs on A5 paper if only A5 paper is loaded.
		Letter/A4	Prints A4 size jobs on letter size paper if only letter size paper is loaded, and prints letter size jobs on A4 size paper if only A4 size paper is loaded.
		All Listed*	Substitutes Letter/A4 and Statement/A5.
Universal Setup	To determine the default size when the Paper Size setting for a tray or feeder is Universal.		
	1 Select a unit of measure. (* Denotes a country/region-specific factory default value)	**Inches***	
		Millimeters*	
	2 Select the values.	**Portrait Width**	=3.00–14.17 in. (8.5 in.*) =76–360 mm (216 mm*)
		Portrait Height	=3.00–14.17 in. (14.17 in.*) =76–360 mm (360 mm*)
		Feed Direction	=Short Edge* =Long Edge

PostScript Menu

Use the PostScript Menu to change printer settings that only affect jobs using the PostScript emulation printer language.

Note: Values marked by an asterisk (*) are the factory default settings.

Menu Item	Purpose	Values	
Font Priority	To establish the font search order. **Note:** Font Priority is only displayed when a formatted flash or hard disk is installed, is neither defective nor Read/Write or Write protected, and Job Buffer Size is not set to 100%.	**Resident***	Printer searches printer memory for the requested font before searching flash memory or hard disk.
		Flash/Disk	Printer searches the hard disk and flash memory for the requested font before searching printer memory.
Image Smoothing	To enhance the contrast and sharpness of low resolution bitmapped images (such as images downloaded from the World Wide Web) and smooth their color transitions. **Note:** Image Smoothing has no effect on images that are 300 dpi or higher resolution.	**Off***	Uses default resolution when printing all images.
		On	Enhances low resolution images, such as graphics with a resolution of 72 dpi.
Print PS Error	To print a page defining the PostScript emulation error when an error occurs.	**Off***	Discards the print job without printing an error message.
		On	Prints an error message before it discards the job.

Serial Menu

Use the Serial Menu to change printer settings affecting jobs sent to the printer through a serial port (either Standard Serial or Serial Opt <x>).

Note: Values marked with an asterisk (*) are the factory default settings.

Menu Item	Purpose	Values	
Baud	To specify the rate at which data can be received through the serial port.	**1200**	
		2400	
		4800	
		9600*	
		19200	
		38400	
		57600	
		115200	
		138200	
		172800	
		230400	
		345600	
Data Bits	To specify the number of data bits that are sent in each transmission frame.	**7**	
		8*	
Honor DSR	To determine whether the printer uses the Data Set Ready (DSR) signal. DSR is one of the handshaking signals for most serial interface cables. The serial interface uses DSR to distinguish data sent by the computer from data created by electrical noise in the serial cable. This electrical noise can cause stray characters to print. Select On to prevent stray characters from printing.	**Off***	All data received by the serial port is treated as valid data.
		On	Only data received while the DSR signal is high is treated as valid.
Job Buffering	To temporarily store jobs on the printer hard disk before printing. **Note:** Changing the Job Buffering menu item automatically resets the printer.	**Off***	Does not buffer print jobs to the hard disk.
		On	Buffers print jobs to the hard disk.
		Auto	Buffers print jobs only if the printer is busy processing data from another input port.

Menu Item	Purpose	Values	
NPA Mode	To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol. **Note:** Changing this menu item automatically resets the printer.	**On**	Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data.
		Off	Printer does not perform NPA processing.
		Auto*	Printer examines the data to determine the format and then processes it appropriately.
Parity	To select the parity for serial input and output data frames.	**Even**	
		Odd	
		None*	
		Ignore	
PCL SmartSwitch	To configure the printer so it automatically switches to PCL emulation when a print job received through the serial port requires it, regardless of the default printer language.	**On***	Printer examines data on the serial interface and selects PCL emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off.
PS SmartSwitch	To configure the printer so it automatically switches to PostScript emulation when a print job received through the serial port requires it, regardless of the default printer language.	**On***	Printer examines data on the serial interface and selects PostScript emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.
Robust XON	To determine whether the printer communicates availability to the computer. This menu item only applies to the serial port if Serial Protocol is set to XON/XOFF.	**Off***	Printer waits to receive data from the computer.
		On	Printer sends a continuous stream of XONs to the host computer to indicate that the serial port is ready to receive more data.

Menu Item	Purpose	Values	
Serial Buffer	To configure the size of the serial input buffer. **Note:** Changing the Serial Buffer menu item automatically resets the printer.	**Disabled**	Disables job buffering. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes.
		Auto*	Printer automatically calculates the Serial Buffer size (recommended setting).
		3K to maximum size allowed	User specifies the Serial Buffer size. The maximum size depends on the amount of memory in your printer, the size of the other link buffers, and whether Resource Save is set to On or Off. To maximize the range for the Serial Buffer size, disable or reduce the size of the parallel, and USB buffers.
Serial Protocol	To select the hardware and software handshaking values for the serial interface.	**DTR***	Hardware handshaking.
		DTR/DSR	Hardware handshaking.
		XON/XOFF	Software handshaking.
		XON/XOFF/ DTR	Combined hardware and software handshaking.
		XONXOFF/ DTRDSR	Combined hardware and software handshaking.

Setup Menu

Use the Setup Menu to configure a variety of printer features.

Note: Values marked by an asterisk (*) are the factory default settings.

Menu Item	Purpose	Values	
Alarm Control	To establish whether the printer sounds an alarm when the printer requires operator intervention.	**Off**	Printer does not sound an alarm.
		Single*	Printer sounds three quick beeps.
		Continuous	Printer repeats three beeps every 10 seconds.
Auto Continue	To define the amount of time (in seconds) the printer waits after displaying an operator intervention error message before it resumes printing.	**Disabled***	Printer does not resume printing until someone clears the error message.
		5...255	Printer waits the specified amount of time, and then automatically resumes printing. This timeout value also applies if the menus are displayed (and the printer is offline) for the specified period of time.
Black & White Lock	To set the printer to print only in black and white.	**Off***	Color prints as indicated in print job.
		On	The equivalent to setting Color Mode to Black & White.

Menu Item	Purpose	Values	
Display Language	To determine the language of the text on the operator panel display.	**English**	**Note:** All values may not be available.
		Français	
		Deutsch	
		Italiano	
		Español	
		Dansk	
		Norsk	
		Nederlands	
		Svenska	
		Português	
		Suomi	
		Japanese	
		Russian	
		Polski	
		Hungarian	
		Turkish	
		Czech	
Download Target	To specify the storage location for downloaded resources. Storing downloaded resources in flash memory or on a hard disk is permanent storage rather than the temporary storage that RAM provides. The resources remain in the flash memory or on the hard disk even when the printer is turned off.	**RAM***	All downloaded resources are automatically stored in printer memory (RAM).
		Flash	All downloaded resources are automatically stored in flash memory.
		Disk	All downloaded resources are automatically stored on the hard disk.
Hole Punch Alarm	To specify how the printer responds when the hole punch box becomes full.	**Off***	**`Hole Punch Waste Full`** is displayed until someone empties the hole punch box. If an Auto Continue value is selected from the Setup Menu, the printer resumes printing after the specified timeout value.
		Single	Printer stops printing, displays **`Hole Punch Waste Full`**, and sounds three quick beeps.
		Continuous	Printer stops printing, displays **`Hole Punch Waste Full`**, and repeats three beeps every 10 seconds until the hole punch box is emptied.
Jam Recovery	To establish whether the printer reprints jammed pages.	**On**	Printer reprints jammed pages.
		Off	Printer does not reprint jammed pages.
		Auto*	Printer reprints a jammed page unless the memory required to hold the page is needed for other printer tasks.

Menu Item	Purpose	Values	
Job Accounting	To store statistical information about your most recent print jobs on the hard disk. The statistics include whether the job printed with or without errors, the print time, the job size (in bytes), the requested paper size and paper type, the total number of printed pages, and the number of copies requested. **Note:** Job Accounting is only displayed when a hard disk is installed, is neither defective nor Read/Write or Write protected, and Job Buffer Size is not set to 100%.	**Off***	Printer does not store job statistics on disk.
		On	Printer stores job statistics for the most recent print jobs.
Page Protect	To successfully print a page that may otherwise generate **`Complex Page`** errors. If, after selecting On, you still cannot print the page, you may also have to reduce the size and number of fonts on the page, or increase the installed printer memory. For most print jobs, you do not need to select On. When On is selected, printing may be slower.	**Off***	Prints a partial page of data if memory is insufficient to process the entire page.
		On	Ensures that an entire page is processed before it prints.
Power Saver	To specify the amount of time (in minutes) the printer waits after a job is printed before it goes into a reduced power state.	**Disabled**	This value does not appear unless Energy Conserve is set to Off. See **Disabling Power Saver** for more information.
		1...240	Specifies the amount of time after a print job before the printer goes into Power Saver mode. (Your printer may not support the entire range of values.) The factory default Power Saver setting depends on your printer model. Print the menu settings page to determine the current Power Saver setting. When the printer is in Power Saver mode, it is still ready to receive print jobs. Select 1 to put the printer in Power Saver mode one minute after it finishes a print job. This uses much less energy, but requires more warm-up time for the printer. Select 1 if your printer shares an electrical circuit with room lighting and you notice lights flickering. Select a high value if your printer is in constant use. Under most circumstances, this keeps the printer ready to print with minimum warm-up time. Select a value between 1 and 240 minutes if you want a balance between energy consumption and a shorter warm-up period.

Menu Item	Purpose	Values	
Print Area	To modify the logical and physical printable area.	**Normal***	**Note:** The Whole Page setting only affects pages printed using PCL 5 interpreter. This setting has no effect on pages printed using the PCL XL or PostScript interpreters. If you try to print any data in the non-printable area defined by Normal Print Area, the printer will clip the image at the boundary defined by the Normal defined printable area.
		Fit to Page	
		Whole Page	
Print Timeout	To specify the amount of time (in seconds) the printer waits before printing the last page of a print job that does not end with a command to print the page. The print timeout counter does not start until **Waiting** is displayed.	**Disabled**	The printer does not print the last page of a print job until one of the following occurs: • The printer receives enough information to fill the page. • The printer receives a Form Feed command. • You select Print Buffer from the Job Menu.
		1...255 (90*)	The printer prints the last page after the specified time. (Your printer may not support the entire range of values.)
Printer Language	To establish the default printer language used to communicate data from the computer to the printer. **Note:** Setting a printer language as the default does not prevent a software application from sending print jobs that use the other language.	**PCL Emulation**	PCL emulation, compatible with Hewlett-Packard printers.
		PS Emulation*	PostScript emulation, compatible with Adobe PostScript language.
Printer Usage	To determine the behavior of the image transfer unit during printing.	**Max Speed**	The image transfer unit is engaged throughout the print job.
		Max Yield*	The image transfer unit position is engaged based on page content. This may extend the life of certain print supplies.
Resource Save	To determine what the printer does with downloaded resources, such as fonts and macros stored in RAM, if the printer receives a job that requires more memory than is available.	**Off***	Printer retains downloaded resources only until memory is needed. It then deletes those resources associated with the inactive printer language.
		On	Printer retains all downloaded resources for all printer languages during language changes and printer resets. If the printer runs out of memory, **38 Memory Full** is displayed.

Menu Item	Purpose	Values	
Staple Alarm	To specify how the printer responds when it is out of staples.	**Off**	**Load Staples** is displayed until someone loads staples. If an Auto Continue value is selected from the Setup Menu, the printer resumes printing after the specified timeout value.
		Single*	Printer stops printing, displays **Load Staples**, and sounds three quick beeps.
		Continuous	Printer stops printing, displays **Load Staples**, and repeats three beeps every 10 seconds until the staple cartridge is replaced.
Toner Alarm	To specify how the printer responds when it is low on toner.	**Off**	An error message is displayed until someone replaces the toner cartridge. If an Auto Continue value is selected from the Setup Menu, the printer resumes printing after the specified timeout value.
		Single*	Printer stops printing, displays an error message, and sounds three quick beeps.
		Continuous	Printer stops printing, displays an error message, and repeats three beeps every 10 seconds until the toner cartridge is replaced.
Wait Timeout	To specify the amount of time (in seconds) the printer waits to receive additional bytes of data from the computer. When this timeout expires, the print job is canceled. Wait Timeout is only available when you use PostScript emulation. This menu item has no effect on PCL emulation print jobs.	**Disabled**	Disables Wait Timeout.
		15...65535 (40*)	Specifies the amount of time the printer waits for additional data before it cancels the job.

Supplies Menu

The Supplies Menu provides information about printer supplies that require attention. It is only available when a supply is low or needs replacement.

Menu Item	Purpose	Values	
<color> Toner	To view the status of the color print cartridges.	**Low**	
		Change Cartridge	
Oiler	To view the status of the web oiler.	**Near Exhausted**	
Waste Bottle	To view the status of the toner waste container. **Note:** Once the toner waste container reaches Full, the printer will print up to 15 more pages from the buffer and then stop until the container is replaced.	**Near Full**	The toner waste container is nearly full.

USB Menu

Use the USB Menu to change printer settings affecting a Universal Serial Bus (USB) port (USB Option <x>).

Note: Values marked by an asterisk (*) are the factory default settings.

Menu Item	Purpose	Values	
Job Buffering	To temporarily store jobs on the printer hard disk before printing. **Note:** Changing the Job Buffering menu item automatically resets the printer.	**Off***	Does not buffer print jobs to the hard disk.
		On	Buffers print jobs to the hard disk.
		Auto	Buffers print jobs only if the printer is busy processing data from another input port.
MAC Binary PS	To configure the printer to process Macintosh binary PostScript print jobs.	**Off**	Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. **Note:** This setting often causes Windows print jobs to fail.
		On	Printer filters PostScript print jobs using standard protocol.
		Auto*	Printer processes print jobs from computers using either Windows or Macintosh operating systems.

Menu Item	Purpose	Values	
NPA Mode	To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol. **Note:** Changing this menu item automatically resets the printer.	**Off**	Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data.
		On	Printer does not perform NPA processing.
		Auto*	Printer examines the data to determine the format and then processes it appropriately.
PCL SmartSwitch	To configure the printer so it automatically switches to PCL emulation when a print job received through the USB port requires it, regardless of the default printer language.	**On***	Printer examines the data on the USB interface and selects PCL emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off.
PS SmartSwitch	To configure the printer so it automatically switches to PostScript emulation when a print job received through the USB port requires it, regardless of the default printer language.	**On***	Printer examines data on the USB interface and selects PostScript emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.
USB Buffer	To configure the size of the USB input buffer. **Note:** Changing the USB Buffer menu item automatically resets the printer.	**Disabled**	Job buffering is disabled. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes.
		Auto*	Printer automatically calculates the USB Buffer size (recommended setting).
		3K to maximum size allowed	User specifies the USB Buffer size. The maximum size depends on the amount of memory in your printer, the size of the other link buffers, and whether Resource Save is set to On or Off. To maximize the range for the USB Buffer size, disable or reduce the size of the parallel, serial, and network buffers.

Utilities Menu

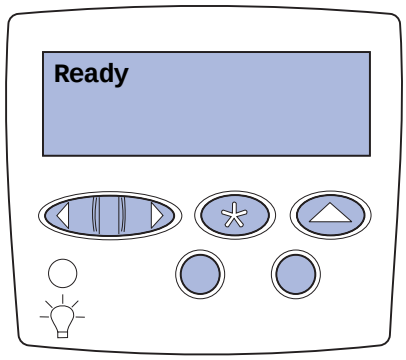
Use the Utilities Menu to print a variety of listings relating to available printer resources, printer settings, and print jobs. Other menu items let you set up printer hardware and troubleshoot printer problems.

Menu Item	Purpose	Values	
Color Alignment	To print a color alignment test page, which can be used to properly align how colors are printed. You are prompted to enter alignment values for each setting (A...L).	**0...20 (10*)**	Used to indicate which line is most acceptable for alignments A...L.
Coverage Estimator	Provides an estimate of the percent coverage of cyan, magenta, yellow, and black on a page. This estimate is printed on the page.	**Off***	Percent coverage is not printed.
		On	Prints the estimated percentage of coverage for each color on the page.
Defragment Flash	To retrieve storage area lost when resources are deleted from flash memory. **Warning:** Do not turn off the printer while the flash is defragmenting.	**Yes**	Printer transfers all resources stored in flash memory to printer memory and then reformats the flash memory option. When the format operation is complete, the resources are loaded back into flash memory.
		No	Printer cancels the request to defragment the flash memory.
Factory Defaults	To return your printer settings to the factory default values.	**Restore**	• All menu items are returned to the factory default values except: – Display Language. – All settings in the Parallel Menu, Serial Menu, Network Menu, and USB Menu. • All downloaded resources (fonts, macros, and symbol sets) in printer memory (RAM) are deleted. (Resources residing in flash memory or on the hard disk are unaffected.)
		Do Not Restore	User-defined settings remain.
Format Disk	To format the printer hard disk. **Warning:** Do not turn off the printer while the hard disk is formatting.	**Yes**	Deletes any data stored on the hard disk and prepares the device to receive new resources.
		No	Cancels the request to format the hard disk and leaves current resources stored on the disk.
Format Flash	To format the flash memory. **Warning:** Do not turn off the printer while the flash is formatting.	**Yes**	Deletes any data stored in flash memory and prepares the flash memory to receive new resources.
		No	Cancels the request to format the flash memory and leaves current resources stored in flash memory.
Hex Trace	To help isolate the source of a print job problem. With Hex Trace selected, all data sent to the printer is printed in hexadecimal and character representation. Control codes are not executed. To exit Hex Trace, turn the printer off or reset the printer from the Job Menu.		

Menu Item	Purpose	Values	
Job Acct Stat	To print a listing of all job statistics stored on the hard disk, or to clear all statistics on the disk.	**Print**	Prints all statistics available for the most recent print jobs.
		Clear	Deletes all accumulated job statistics from the hard disk.
Print Directory	To print a list of all the resources stored in flash memory or on the hard disk. **Note:** Print Directory is available only when either a nondefective flash or disk is installed and formatted, and Job Buffer Size is not set to 100%.		
Print Fonts	To print a sample of all the fonts available for the selected printer language.	**PCL Fonts**	Prints a sample of all printer fonts available for PCL emulation.
		PS Fonts	Prints a sample of all printer fonts available for PostScript emulation.
Print Menus	To print a listing of the current user default values, the installed options, the amount of installed printer memory, and the status of printer supplies.		
Print Net <x> Setup	To print information relating to the internal print server and the network settings defined by the Network <x> Setup menu item in the Network Menu.		

6 Understanding printer messages

The printer operator panel displays messages describing the current state of the printer and indicates possible printer problems you must resolve. This topic provides a list of all printer messages, explains what they mean, and tells you how to clear the messages.



Message	What this message means	What you can do
<*Custom Type Name*> in <*input source*>	A tray has been inserted, and contains the type and/or size print media listed.	Wait for the message to clear.
<*size*> in <*input source*>		
<*type*><*size*> in <*input source*>		
<x> Alignment	A color alignment procedure is in progress and the user is being prompted for a series of alignment values. The values range from A to L.	• Enter the alignment value, and then press **Select** to continue to the next alignment value. • Press **Go** or **Return** to cancel the alignment procedure. See also: **Aligning the image transfer unit**
Activating Menu Changes	The printer is activating changes made to the printer settings.	Wait for the message to clear. See also: **Disabling the operator panel menus**
Bin <x> Full	The specified bin is full.	Remove the stack of paper from the bin to clear the message. If you assigned the bin a name, the bin name is displayed instead of the bin number.
Busy	The printer is busy receiving, processing, or printing data.	• Wait for the message to clear. • Press **Menu** to open the Job Menu and cancel the current job.

Message	What this message means	What you can do
Canceling Fax	The printer is processing a request to cancel a fax job.	Wait for the message to clear.
Canceling Job	The printer is processing a request to cancel the current print job.	Wait for the message to clear. See also: **Canceling a print job**
Change <x>	The printer is requesting that a different type of paper be loaded in one of the input sources.	Change the paper type in the specified source. See also: **Loading the trays**; *Setup Guide*
Check <*device*> Connection	The specified device is either not fully connected to the printer or is experiencing a hardware failure.	• Reestablish communication by removing the specified device and reattaching it to the printer. • Press **Go** to clear the message and continue printing. • In the case of a hardware failure, turn the printer off and back on. If the error recurs, turn the printer off, remove the specified device, and call for service.
Clearing Job Accounting Stat	The printer is deleting all job statistics stored on the hard disk.	Wait for the message to clear.
Close Door	The printer front cover is open.	Close the printer front cover to clear the message.
Close Finisher Door	The finisher front door is open.	Close the finisher front door to clear the message.
Close Tray X Door	The 2000-sheet drawer is open.	Close the 2000-sheet drawer to clear the message.
Copying	The printer is processing a copy job originating from an OptraImage™ scanner.	Wait for the message to clear.
Defragmenting	The printer is defragmenting the flash memory to reclaim storage space occupied by deleted resources.	Wait for the message to clear. **Warning:** Do not turn the printer off while this message is displayed.
Delete All Jobs	The printer is requesting confirmation to delete all held jobs.	• Press **Go** to continue. The printer deletes all held jobs. • Press **Stop** to cancel the operation.
Deleting Jobs	The printer is deleting one or more held jobs.	Wait for the message to clear.
Disabling Menus	The printer is responding to a request to disable the menus.	Wait for the message to clear. **Note:** While the menus are disabled, you cannot change the printer settings from the operator panel. See also: **Disabling the operator panel menus**
Disk Corrupted. Reformat?	The printer has attempted a disk recovery process and cannot repair the disk.	• Press **Go** to reformat the disk and delete all files currently stored on the disk. • Press **Stop** to clear the message without reformatting the disk. The printer may display **`Disk Recovery`** and attempt to recover the disk. See also: **Disk Recovery x/5 yyy%**

Message	What this message means	What you can do
Disk Recovery x/5 yyy%	The printer is attempting to recover the hard disk. Disk recovery takes place in five phases; the second line on the operator panel display shows the percent complete of the current phase.	Wait for the message to clear. **Warning:** Do not turn the printer off while this message is displayed.
Empty Hole Punch Box	The finisher hole punch waste box is full.	Remove the finisher hole punch box, empty it, and then replace it.
Enabling Menus	The printer is responding to a request to make the menus available to all users.	Wait for the message to clear, and then press **Menu** to view the menus from the operator panel. See also: **Enabling the menus**
Engine Warming	The printer is warming the fuser assembly to prepare for printing.	Wait for the message to clear.
Enter PIN: =___	The printer is waiting for you to enter your four-digit personal identification number (PIN).	Use the operator panel buttons to enter the PIN you identified in the driver when you sent the confidential job to the printer. See also: **Holding a job in the printer**
Fax <x>	The printer is processing an incoming fax.	Wait for the message to clear.
Flushing Buffer	The printer is flushing corrupted print data and discarding the current print job.	Wait for the message to clear.
Formatting Disk yyy%	The printer is formatting the hard disk. When formatting takes longer than usual, the second line of the display shows the percent complete.	Wait for the message to clear. **Warning:** Do not turn the printer off while this message is displayed.
Formatting Flash	The printer is formatting the flash memory.	Wait for the message to clear. **Warning:** Do not turn the printer off while this message is displayed.
Held Jobs May Be Lost	The printer memory is too full to continue processing print jobs.	• Press **Go** to clear the message and continue printing. The printer frees memory by deleting the oldest held job and continues deleting held jobs until there is enough printer memory to process the job. • Press **Stop** to clear the message without deleting any held jobs. The current job may not print correctly. • Press **Menu** to open the Job Menu and cancel the current job. • To avoid this error in the future: – Delete fonts, macros, and other data stored in printer memory. – Install more printer memory. **Note:** The messages **37 `Insufficient Memory`** and **`Held Jobs may be lost`** alternate on the display. See also: **Holding a job in the printer**; **37 Insufficient Memory**

Message	What this message means	What you can do
Held Jobs May Not Be Restored	The printer memory cannot restore Print and Hold jobs from the printer hard disk.	Press **Go** to clear the message. Some of the Print and Hold jobs stored on the disk will not be restored. See also: **37 Insufficient Memory**
Hole Punch Waste Full	The hole punch box in the finisher is full.	Empty the hole punch box.
Insert Staple Cartridge	The staple cartridge in the finisher is missing or is installed incorrectly.	• Correctly install the staple cartridge to clear the message. • Press **Go** to ignore the message and continue printing without stapling.
Insert Tray <x>	The specified tray is either missing or not fully inserted.	Insert the specified tray completely into the printer. See also: **Loading the trays**
Install <*device*> or Cancel Job	The printer is requesting that a specified device be installed so it can print a job.	• Turn the printer off, install the specified device, and restart the printer. • Press **Menu** to open the Job Menu and cancel the current job.
Invalid Engine Code	The printer engine code has not been programmed or is not valid.	Call for service. See also: **Calling for service**
Invalid Network <x> Code **Invalid Standard Network Code**	The code in an internal print server is not valid. The printer cannot receive and process jobs until valid code is programmed into the internal print server.	Download valid code to the printer internal print server. **Note:** You can download network code while this message is displayed.
ITU/Fuser Maint	The counters that track wear on the image transfer unit and fuser have reached their limit.	Replace the image transfer unit and fuser. See also: **Replacing the fuser**; **Replacing the image transfer unit and transfer roller**
Load Manual	A request for a manual feed job has been sent to the printer. The printer is ready for insertion of a single sheet into the manual feed slot.	• Load a sheet of the paper specified in the second line of the display in the manual feed tray or multipurpose feeder. • Press **Select** or **Go** to ignore the manual feed request and print on paper already installed in one of the input sources. If the printer finds a tray that has paper of the correct type and size, it feeds paper from that tray. If the printer cannot find a tray with the correct paper type and size, it prints on whatever paper is installed in the default input source. • Press **Menu** to open the Job Menu and cancel the current job. See also: **Loading the multipurpose feeder**
Load <x> Plain Letter	Someone has initiated a tray calibration procedure.	Load paper into <x> and press **Go** to continue the calibration process.

Message	What this message means	What you can do
Load Staples	The printer is trying to staple a print job, but the stapler is empty.	• Install a new staple cartridge in the stapler. • Press **Go** to clear the message and continue printing without stapling. • Press **Menu** to open the Job Menu and cancel the current job.
Load Tray <x>	The printer is trying to feed paper from a source it detects is empty.	• Load paper of the size and type requested in the second line of the display in the specified tray. The printer automatically clears the message and continues printing the job. • Press **Menu** to open the Job Menu and cancel the current job. See also: **Loading the trays**
Menus Disabled	The printer menus are disabled. You cannot change the printer settings from the operator panel.	You can still open the Job Menu to cancel a job that is printing or to select a confidential job or a held job that you want to print. If you need access to the printer menus, contact your network administrator. See also: **Disabling the operator panel menus**
Network Card Busy	An internal print server (also called an internal network adapter or INA) is being reset.	Wait for the message to clear.
Network <x>	A network interface is the active communication link.	Wait for the message to clear.
Network <x>, <y>	A network interface is the active communication link, where <x> represents the active communication link and <y> represents the channel.	Wait for the message to clear.
No DRAM Installed	No DRAM is installed in the printer.	Turn the printer off, install DRAM and turn the printer back on.
No Jobs Found. Retry?	The four-digit personal identification number (PIN) you entered is not associated with any confidential print job.	• Press **Go** to enter another PIN. • Press **Stop** to clear the PIN entry prompt. See also: **Holding a job in the printer**
Not Ready	The printer is not ready to receive or process data. Someone pressed **Stop** to take the printer offline.	Press **Go** to make the printer ready to receive jobs.
Ovrflow Bin Full	The mailbox's designated overflow bin is full.	Remove the stack of paper from the bin to clear the message.
Parallel <x>	A parallel interface is the active communication link.	Wait for the message to clear.
Performing Self Test	The printer is running the series of start-up tests it performs after it is turned on.	Wait for the message to clear.

Message	What this message means	What you can do
Power Saver	The printer is ready to receive and process data. It is reducing its electricity consumption while idle. If the printer remains inactive for the period of time specified in the Power Saver menu item (20 minutes is the factory default), the **Power Saver** message replaces the **Ready** message on the display.	• Send a job to print. • Press **Go** to quickly warm the printer to normal operating temperature and display the Ready message.
Printer Calibrating	The printer is adjusting the color tables to correct variations caused by environmental conditions.	Wait for the message to clear. See also: **Color Menu**
Print Jobs on Disk	Jobs that were spooled to the hard disk before the printer was last turned off have not yet printed.	• Press **Go** to print the jobs. • Press **Return** or **Stop** to delete the jobs from the hard disk without printing them.
Printing Alignment Page	The printer is processing or printing a test page that shows alignment values.	Wait until the page has completed printing. See also: **<x> Alignment**; **Aligning the image transfer unit**
Printing Directory List	The printer is processing or printing a directory of all files stored in flash memory or on a hard disk.	Wait for the message to clear. See also: **Print Directory**
Printing Font List	The printer is processing or printing a list of all available fonts for the specified printer language.	Wait for the message to clear. See also: **Print Fonts**
Printing Job Accounting Stat	The printer is processing or printing all job accounting statistics stored on the hard disk.	Wait for the message to clear. See also: **Job Acct Stat**
Printing Menu Settings	The printer is processing or printing the menu settings page.	Wait for the message to clear. See also: **Print Menus**; **Printing a menu settings page**
Prog Engine Code	The printer is programming new code into the flash memory.	Wait for the message to clear. **Warning:** Do not turn the printer off while this message is displayed.
Prog System Code	The printer is programming new system code.	Wait for the message to clear and the printer to reset. **Warning:** Do not turn the printer off while this message is displayed.
Program Flash	The printer is storing resources, such as fonts or macros, in flash memory.	Wait for the message to clear. **Warning:** Do not turn the printer off while this message is displayed.
Programming Disk	The printer is storing resources, such as fonts or macros, on the hard disk.	Wait for the message to clear. **Warning:** Do not turn the printer off while this message is displayed.

Message	What this message means	What you can do
Programming Error P<x>	An error occurred while the printer was programming code into memory.	Correct the problem specified on the second line of the display: • **P1050**—A network file was used to program a non-network printer, or a non-network file was used to program a network printer. • **P109**—An update file was used to program the printer, but the information did not fit within the space allocated in the Master Boot Record. • **P112**—An updddle.fls file was used to update the DLE code on a printer with a firmware card installed, but the DLE was not found on the firmware card. • **P200**—No firmware card is installed.
Queuing and Deleting Jobs	The printer is deleting one or more held jobs and sending one or more jobs to print.	Wait for the message to clear. See also: **Printing and deleting held jobs**
Queuing Jobs	The printer is sending one or more held jobs to print.	Wait for the message to clear. See also: **Holding a job in the printer**
Ready	The printer is ready to receive and process print jobs.	Send a job to print.
Ready Hex	The printer is in Hex Trace mode and is ready to receive and process print jobs.	• Send a job to print. All data sent to the printer is printed in hexadecimal and character representation. Control strings are printed, not executed. • Turn the printer off and then on to exit Hex Trace mode and return to Ready status.
Reattach *<device>*	The specified device is either not fully connected to the printer or is experiencing a hardware failure.	• Reestablish communication by removing the specified device and reattaching it to the printer. • Press **Go** to clear the message and continue printing without using the device. • In the case of a hardware failure, turn the printer off and back on. If the error recurs, turn the printer off, remove the specified device, and call for service. See also: **Calling for service**
Remove Paper *<specified bin>*	The specified output bin, or bins, is full.	Remove the stack of paper from the specified bin(s) to clear the message.
Resetting Active Bin	The printer is resetting to the active bin in a linked set of bins.	Wait for the message to clear.
Resetting Fuser Cnt Value	The printer is resetting the counter that tracks wear on the fuser.	Wait for the message to clear.
Resetting the Printer	The printer is resetting to the current default settings. Any active print jobs are canceled.	Wait for the message to clear. See also: **Changing menu settings**

Message	What this message means	What you can do
Restore Held Jobs. Go/Stop?	Someone reset the printer or turned it on, and the printer detects Print and Hold jobs stored on the hard disk.	• Press **Go**. All Print and Hold jobs on the hard disk are restored to printer memory. • Press **Return** or **Stop**. No Print and Hold jobs are restored to printer memory. The printer returns to the Ready state. See also: **Holding a job in the printer**
Restoring Factory Defaults	The printer is restoring the factory default printer settings. When factory default settings are restored: • All downloaded resources (fonts, macros, symbol sets) in the printer memory are deleted. • All menu settings return to the factory default setting *except*: – The Display Language setting in the Setup Menu. – All settings in the Parallel Menu, Serial Menu, Network Menu, USB Menu, and Fax Menu.	Wait for the message to clear. See also: **Restoring factory default settings**
Restoring Held Job xxx/yyy	The printer is restoring held jobs from the hard disk. **Note: xxx** represents the number of the job being restored. **yyy** represents the total number of jobs to be restored.	• Wait for the message to clear. • Select the Abort Restore menu item in the Job Menu. See also: **Holding a job in the printer**
Restoring Held Jobs	The printer is restoring held jobs from the hard disk.	Wait for the message to clear. See also: **Holding a job in the printer**
Serial <x>	A serial interface is the active communication link.	Wait for the message to clear.
Setup Required	• When you unpacked the printer, you left a piece of packing material inside. • A hardware component, such as an optional paper drawer, has not been installed correctly.	• Remove all packing material from inside the printer. • Correctly install the component. See also: *Setup Guide*
Staples Low	The stapler has only a few staples remaining.	• Press **Go** to continue printing. • Install a new staple cartridge to clear the message.
Std Bin Full	The standard bin is full.	Remove the stack of paper in the bin to clear the message.
Supplies	At least one of the printer supplies requires attention. For example, you may have a toner cartridge that is low on toner.	Press **Menu** to open the Supplies Menu and identify which supply item needs replacing. Replace the appropriate printer supplies.
Tray <x> Empty	The specified tray is out of paper.	Load paper in the tray to clear the message. See also: **Loading the trays**
Tray <x> Low	The specified tray is low on paper.	Add paper to the tray to clear the message. See also: **Loading the trays**

Message	What this message means	What you can do
Tray <x> Missing	The specified tray is either missing or not fully inserted into the printer.	Insert the tray completely into the printer. See also: **Loading the trays**
USB <x>	The printer is processing data through the specified USB port.	Wait for the message to clear.
Waiting	The printer has received a page of data to print but is waiting for an End of Job command, a Form Feed command, or additional data.	• Press **Go** to print the contents of the buffer. • Press **Menu** to open the Job Menu and cancel the current job. See also: **Canceling a print job**
100–199 Service <*message*>	Messages 100–199 relate to printer problems that may require printer service.	Turn the printer off and check all cable connections. Turn the printer back on. If the service message recurs, call for service and report the message number and description of the problem. See also: **Calling for service**
1565 Emul Error Load Emul Option	The download emulator version on the firmware card does not match the printer code version. This error can occur if you update printer firmware or move a firmware card from one printer to another.	The printer automatically clears the message in 30 seconds, and then disables the download emulator on the firmware card. Download the correct download emulator version from the Lexmark Web site.
2<xx> Paper Jam	The printer detects a paper jam.	Clear the paper path. See also: **Understanding jam messages**; **Clearing the entire paper path**
30 ITU Missing	The image transfer unit (ITU) is not installed or is installed incorrectly.	Turn the printer off, correctly install the image transfer unit, and then turn the printer on. See also: **Replacing the image transfer unit and transfer roller**
30 <*color*> Toner Cart Missing	The specified toner cartridge is either missing or incorrectly installed.	Insert the toner cartridge completely into the printer. The printer automatically clears the message. See also: **Replacing print cartridges**
31 Defective <x> Cartridge	A defective print cartridge is installed.	Remove the specified print cartridge and install a new one. See also: **Replacing print cartridges**
32 Unsupported <*color*> Cartridge	An unsupported print cartridge is installed.	Remove the specified print cartridge and install a new one. See also: **Replacing print cartridges**
33 Calibration Error <x>	The printer detects a calibration error for a particular color.	Press **Go** to continue printing.

Message	What this message means	What you can do
34 Incorrect Media	The printer has detected a mismatch in the requested media type and the type loaded in the multipurpose feeder or any tray. See “Paper and specialty media specifications” on page 41 for more information.	• Replace the media in the multipurpose feeder or tray with the requested media and press **Go**. • Press **Menu** to access the **Busy/ Waiting Menu** group, and select one of the following options: – Cancel Job – Reset Printer – Reset Active Bin – Check Supply Levels
34 Short Paper	The printer has determined that the length of the paper in the source specified on the second line of the display is too short to print the formatted data. For auto-size sensing trays, this error occurs if the paper guides are not in the correct position.	• Press **Go** to clear the message and continue printing. The printer does not automatically reprint the page that prompted the message. • Make sure the Paper Size setting in the Paper Menu is correct for the size paper you are using. If MP Feeder Size is set to Universal, make sure your paper is large enough for the formatted data. • Press **Menu** to open the Job Menu and cancel the current job. See also: **Paper and specialty media specifications**
35 Res Save Off Deficient Memory	The printer lacks the memory needed to enable Resource Save. This message usually indicates too much memory is allocated for one or more of the printer link buffers.	• Press **Go** to disable Resource Save and continue printing. • To enable Resource Save after you get this message: – Make sure the link buffers are set to Auto, and exit the menus to activate the link buffer changes. – When **Ready** is displayed, enable Resource Save from the Setup Menu. • Install additional memory.
36 Printer Service Required	Background toner has prevented a calibration cycle from completing. A defective cartridge or ITU may be installed. Contact a service representative for a diagnosis.	Press **Go** to clear the error. See also: **Calling for service**
37 Insufficient Collation Area	The printer memory (or hard disk, if installed) does not have the free space necessary to collate the print job.	• Press **Go** to print the portion of the job already stored and begin collating the rest of the job. • Press **Menu** to open the Job Menu and cancel the current job. See also: **Canceling a print job**
37 Insufficient Defrag Memory	The printer cannot defragment flash memory, because the printer memory used to store undeleted flash resources is full.	• Delete fonts, macros, and other data in printer memory. • Install additional printer memory.

Message	What this message means	What you can do
37 Insufficient Memory	The printer memory is full and cannot continue processing current print jobs.	• Press **Go** to clear the message and continue the current print job. The printer frees memory by deleting the oldest held job and continues deleting held jobs until there is enough printer memory to process the job. • Press **Stop** to clear the message without deleting any held jobs. The current job may not print correctly. • Press **Menu** to open the Job Menu and cancel the current job. • To avoid this error in the future: – Delete fonts, macros, and other data in printer memory. – Install additional printer memory. **Note:** The messages **37 Insufficient Memory** and **Held Jobs may be lost** alternate on the display. See also: **Holding a job in the printer**; **Held Jobs May Be Lost**; **Held Jobs May Not Be Restored**
38 Memory Full	The printer is processing data, but the memory used to store pages is full.	• Press **Go** to clear the message and continue printing the job. The job may not print correctly. • Press **Menu** to open the Job Menu and cancel the current job. • To avoid this error in the future: – Simplify the print job by reducing the amount of text or graphics on a page and deleting unnecessary downloaded fonts or macros. – Install additional printer memory. See also: **Canceling a print job**
39 Complex Page	The page may not print correctly because the print information on the page is too complex.	• Press **Go** to clear the message and continue printing the job. The job may not print correctly. • Press **Menu** to open the Job Menu and cancel the current job. • To avoid this error in the future: – Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros. – Set Page Protect to On in the Setup Menu. – Install additional printer memory. See also: **Setup Menu**
4<x> Unsupported Firmware Card	The printer detects an unsupported version of firmware on the installed firmware card.	• Turn the printer off, and then press and hold **Go** while turning it on. The printer reads the code on the system card and bypasses the code on the firmware card. • Remove the firmware card. See also: *Setup Guide*

Message	What this message means	What you can do
40 <*color*> Invalid Refill	The printer has detected an unsupported refilled cartridge.	Remove the indicated print cartridge and install a new one. See also: **Replacing print cartridges**
50 PPDS Font Error	The PPDS interpreter has encountered a font error.	• Press **Go** to clear the message and continue printing. • Press **Menu** to open the Job Menu and reset the printer or cancel the print job.
51 Defective Flash	The printer detects defective flash memory.	Press **Go** to clear the message and continue printing. You must install different flash memory before you can download any resources to flash.
52 Flash Full	There is not enough free space in the flash memory to store the data you are trying to download.	• Press **Go** to clear the message and continue printing. Downloaded fonts and macros not previously stored in flash memory are deleted. • Delete fonts, macros, and other data stored on the flash memory. • Install flash memory with more storage capacity.
53 Unformatted Flash	The printer detects unformatted flash memory.	• Press **Go** to clear the message and continue printing. You must format the flash memory before you can store any resources on it. • If the error message remains, the flash memory may be defective and require replacing.
54 Serial Option <x> Error **54 Standard Serial Error**	The printer has detected a serial interface error on a serial port.	• Make sure the serial link is set up correctly and you are using the appropriate cable. • Press **Go** to clear the message and continue printing. The job may not print correctly. • Press **Menu** to open the Job Menu and reset the printer.
54 Network <x> Software Error **54 Std Network Software Error**	The printer cannot establish communications with an installed network port.	• Press **Go** to clear the message and continue printing. The job may not print correctly. • Program new firmware for the network interface by way of the parallel port. • Press **Menu** to open the Job Menu and reset the printer.
54 Std Par ENA Connection Lost **54 Par <x> ENA Connection Lost**	The printer has lost the connection to an external print server (also called an external network adapter or ENA).	• Make sure the cable connecting the ENA and the printer is securely attached. Turn the printer off and then on to reset the printer. • Press **Go** to clear the message. The printer erases any reference to the ENA and then resets.
55 Unsupported Option in Slot <x> **55 Unsupported Flash in Slot <x>**	An unsupported option card is installed in one of the ports or an unsupported flash DIMM is installed in a memory slot.	Turn off and unplug the printer. Remove the unsupported option. Plug in the printer and turn it on. See **Removing memory and option cards** for help.

Message	What this message means	What you can do
56 Serial Port <x> Disabled **56 Standard Serial Disabled**	Data has been sent to the printer through a serial port, but the serial port is disabled.	• Press **Go** to clear the message. The printer discards any data received through the serial port. • Make sure the Serial Buffer menu item in the Serial Menu is not set to Disabled. See also: **Serial Buffer**
56 Parallel Port <x> Disabled **56 Std Parallel Port Disabled**	Data has been sent to the printer through a parallel port, but the parallel port is disabled.	• Press **Go** to clear the message. The printer discards any data received through the parallel port. • Make sure the Parallel Buffer menu item in the Parallel Menu is not set to Disabled. See also: **Parallel Buffer**
56 USB Port <x> Disabled **56 Standard USB Port Disabled**	Data has been sent to the printer through a USB port, but the USB port is disabled.	• Press **Go** to clear the message. The printer discards any data received through the USB port. • Make sure the USB Buffer menu item in the USB Menu is not set to Disabled. See also: **USB Buffer**
58 Input Config Error	Either too many drawers with matching trays are attached to the printer or the input configuration is invalid. (For example, a duplex unit is installed between Tray 3 and Tray 4.)	Turn off and unplug the printer. Remove the additional drawers or reconfigure the offending option. Plug in the printer and turn it on. See also: *Setup Guide*
58 Output Config Error	Too many output options have been attached to the printer.	Turn off and unplug the printer. Remove the additional output option(s). Plug in the printer and turn it on. See also: *Setup Guide*
58 Too Many Disks Installed	Too many hard disks are installed on the printer. The printer only supports one hard disk at a time.	Turn off and unplug the printer. Remove the excess hard disks from the printer. Plug in the printer and turn it on. See also: **Removing memory and option cards**
58 Too Many Flash Options	Too many flash memory options are installed on the printer.	Turn off and unplug the printer. Remove the excess flash memory. Plug in the printer and turn it on. See also: **Removing memory and option cards**
59 Incompatible *<device>*	You have installed an incompatible device.	Remove the device and press **Go** to clear the message.
61 Defective Disk	The printer detects a defective hard disk.	• Press **Go** to clear the message and continue printing. • Install a different hard disk before you perform any operations that require one. See also: *Setup Guide*
62 Disk Full	There is not enough memory on the hard disk to store the data sent to the printer.	• Press **Go** to clear the message and continue processing. Any information not previously stored on the hard disk is deleted. • Delete fonts, macros, and other data stored on the hard disk.

Message	What this message means	What you can do
63 Unformatted Disk	The printer detects an unformatted hard disk.	• Press **Go** to clear the message and continue printing. • Format the disk before performing any disk operations. To format the disk, select Format Disk from the Utilities Menu. • If the error message remains, the hard disk may be defective and require replacing. Install a new hard disk and format it. See also: **Format Disk**
64 Disk Not Supported	The printer detects that an incompatible hard disk is installed.	Turn the printer off and remove the disk. See also: **Removing memory and option cards**
64 Unsupported Disk Format	The printer detects an unsupported disk format.	• Press **Go** to clear the message. • Format the disk. **Note:** Disk operations are not allowed until the disk is formatted.
80 Fuser Maintenance	The counter that tracks wear on the fuser has reached its limit.	• Press **Go** to continue printing. • If print quality is unacceptable, replace the fuser. See also: **Replacing the fuser**
81 Engine Code CRC Failure	Microcode in the engine flash code module has failed a system check.	• Press **Go** to clear the message. • Discard the code. Retransmit the microcode data from the host computer.
82 Waste Bottle Nearly Full	The toner waste container is almost full.	• Press **Go** to clear the message and continue printing. • Replace the toner waste container. See also: **82 Waste Toner Bottle Full**; **Replacing the toner waste container**
82 Waste Toner Bottle Full	The toner waste container is full.	Replace the toner waste container and press **Go** to clear the message. See also: **Replacing the toner waste container**
82 Waste Toner Bottle Missing	The toner waste container is missing.	Replace the toner waste container and press **Go** to clear the message. See also: **Replacing the toner waste container**
83 ITU Maintenance	The counter that tracks wear on the image transfer unit has reached its limit.	• Press **Go** to continue printing. • If print quality is unacceptable, replace the image transfer unit. See also: **Replacing the image transfer unit and transfer roller**
84 Oiler Nearly Exhausted	The web oiler is nearing the end of its life.	• Press **Go** to clear the message and continue printing. • Replace the web oiler. See also: **84 Replace Oiler**
84 Replace Oiler	The web oiler has reached its end of life or is missing from the printer.	Replace the web oiler. See also: **84 Oiler Nearly Exhausted**

Message	What this message means	What you can do
85 ITU Maintenance	The color adjust sensor LED is too weak.	• Press **Go** to continue printing. • If print quality is unacceptable, replace the image transfer unit. See also: **Replacing the image transfer unit and transfer roller**
86 ITU Maintenance	The color adjust sensor LED is too bright.	• Press **Go** to continue printing. • If print quality is unacceptable, replace the image transfer unit. See also: **Replacing the image transfer unit and transfer roller**
87 Fuser Missing	The fuser is either missing or incorrectly installed.	Correctly install the fuser to clear the message and continue printing. See also: **Replacing the fuser**
88 <*color*> Toner Low	The printer has detected that the specified print cartridge is nearly exhausted. If you do not have a replacement cartridge on hand, order one now. More pages may be printed before the cartridge is totally exhausted.	• Replace the specified print cartridge. • Press **Go** to clear the message and continue printing. The **Supplies** message is displayed until you replace the specified print cartridge. See also: **Replacing print cartridges**
89 ITU Maintenance	The ITU NVRAM is invalid.	• Press **Go** to continue printing. • If print quality is unacceptable, replace the image transfer unit. See also: **Replacing the image transfer unit and transfer roller**
900–999 Service <*message*>	Messages 900–999 relate to printer problems that may require printer service.	Turn the printer off and check all cable connections. Turn the printer back on. If the service message recurs, call for service and report the message number and description of the problem. See also: **Calling for service**

7 Clear paper jams

- Understanding jam messages
- Access doors and trays
- Clearing the entire paper path
- Clearing mailbox or output expander jams (Area M)
- Clearing fuser jams
- Clearing image transfer unit jams
- Clearing finisher jams (Areas 1–6)
- If you still need help

Understanding jam messages

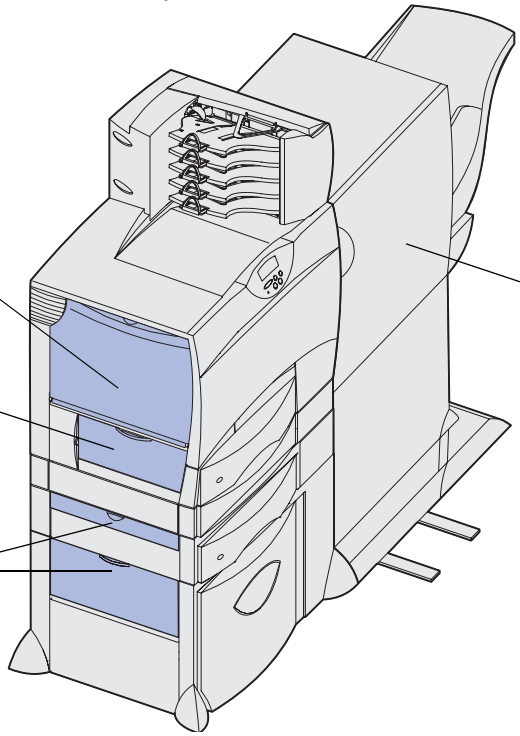
Always clear the entire paper path when you receive any jam message.

Paper jam messages

Message	Check Areas...	What to do...
200 Paper Jam (tray 1 and left access door beside tray 1)	A, B, T1	Follow the instructions for clearing **Area A**, **Area B**, and **Area T1**.
201 Paper Jam (fuser area)	D, K, L	Follow the instructions for clearing **Area D**, **Area K**, and **Area L**. If the jam message persists, paper may be caught in the fuser. See **Clearing fuser jams** for instructions.
202 Paper Jam (fuser area)	K, L	Follow the instructions for clearing **Area K** and **Area L**. If the jam message persists, paper may be caught in the fuser. See **Clearing fuser jams** for instructions.
230 Paper Jam (duplex area)	E, J	Follow the instructions for clearing **Area E** and **Area J**.
24<x> Paper Jam (trays 2–4)	C, T<x>	Follow the instructions for clearing **Area C** and **Area T<x>**.
250 Paper Jam (multipurpose feeder)	A	Follow the instructions for clearing **Area A**.
27<x> Paper Jam (mailbox and output expander)	M	Follow the instructions for **Clearing mailbox or output expander jams (Area M)**.
28<x> Paper Jam (finisher)	1, 2, 3, 4, 5, 6	Refer to the *Finisher Setup & User's Guide* for instructions on clearing finisher jams.

Access doors and trays

The following illustrations show areas where jams can occur.



Area A
Multipurpose feeder

200 Paper Jam

250 Paper Jam

Area B
Left access door (beside tray 1)

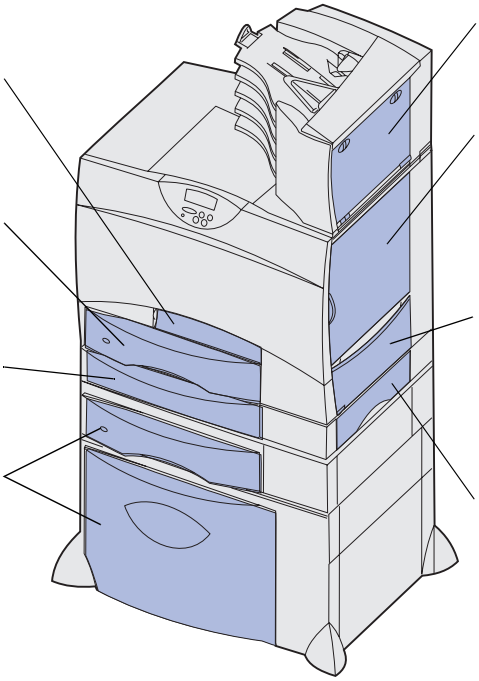
200 Paper Jam

Area C
Paper input options: 500-sheet drawer or 2000-sheet drawer

24<x> Paper Jam

Areas 1–6
Finisher

28<x> Paper Jam



Area D
Front access door

201 Paper Jam

Area T1
Standard tray (Tray 1)

200 Paper Jam

Area E
Duplex mechanism

230 Paper Jam

Area T<x>
Paper input options: 500-sheet trays or 2000-sheet tray

24<x> Paper Jam

Area M
Mailbox

27<x> Paper Jam

Area L
Upper right access door (redrive area)

201 Paper Jam

202 Paper Jam

Area K
Lower right access door (fuser area)

201 Paper Jam

202 Paper Jam

Area J
Duplex tray

230 Paper Jam

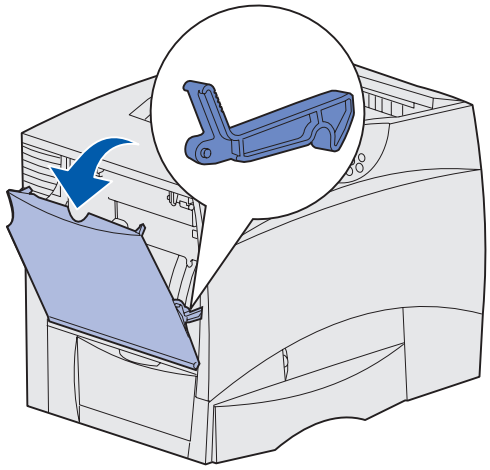
Clearing the entire paper path

When a paper jam occurs, the printer stops operating and displays **2<xx> Paper Jam** and a message to clear certain printer areas.

After you have cleared the following areas, make sure all printer covers, doors, and trays are closed, and then press **Go** to resume printing.

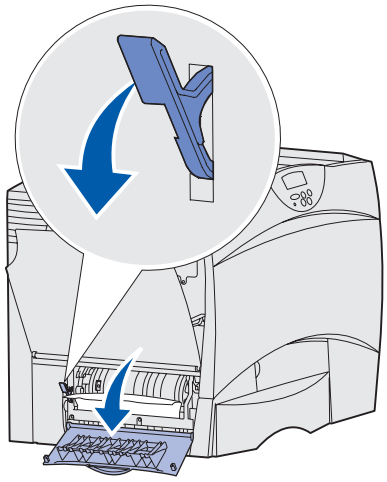
Area A

1. If you are using the multipurpose feeder, release the levers on each side of the feeder to lay it flat.
2. Remove any jams and return the feeder to its working position.



Area B

1. Open the left access door.
2. Pull down the lever until it stops.
3. Remove the jam.
4. Return the lever to its upright position.
5. Close the door.

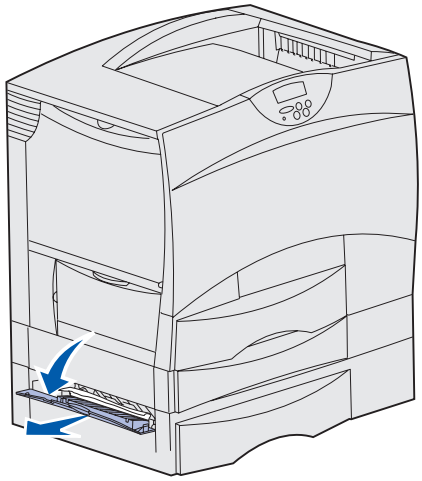


Area C

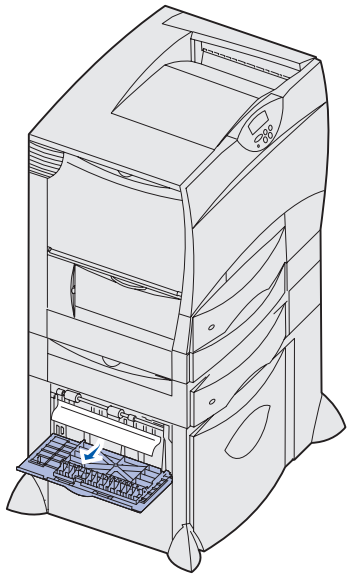
1. If you have one or more optional 500-sheet drawers:
   a. Open the 500-sheet drawer access door. Hold the door down while removing jams.

      Note: Make sure the entire paper stack is loaded correctly and pushed all the way down into the tray.

   b. Close the door.



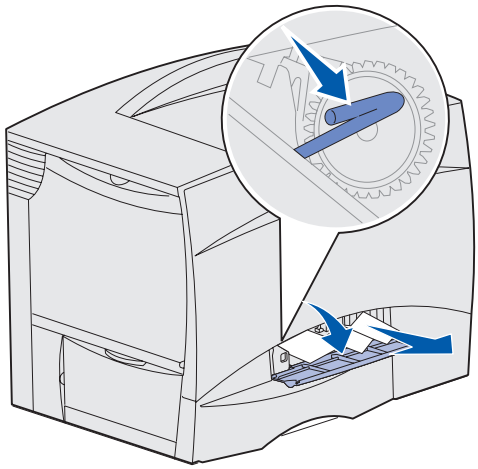
2. If you have an optional 2000-sheet drawer:
   a. Open the 2000-sheet drawer access door. Pull the jam down and out of the rollers.
   b. Close the door.



Area D

1. Open the front access door.
2. Hold down the lever in the upper left corner. Remove jams in the rollers under the image transfer unit.

   Note: Unfused toner may be present.



Area T1

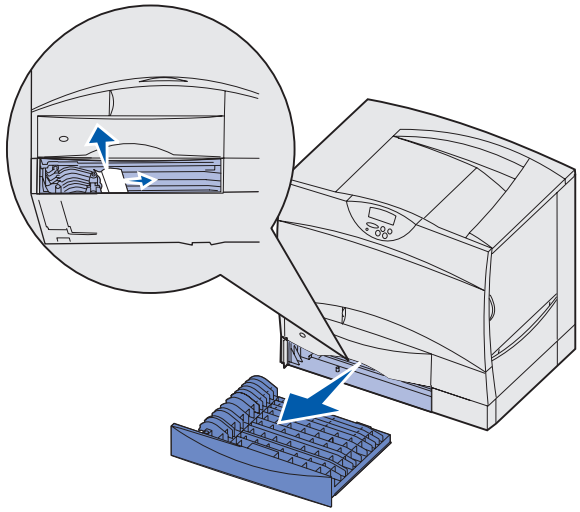
1. If clearing **Area B** did not clear the jam, then carefully open tray 1. Remove any jams.

   Note: Make sure the paper is pushed all the way down into the tray.

2. Close tray 1.

Area E

1. Pull the duplex mechanism completely out. Look inside and remove any paper caught in the rollers. Also, look up inside, as some jams may be above the rollers.
2. Reinstall the duplex mechanism in the printer.

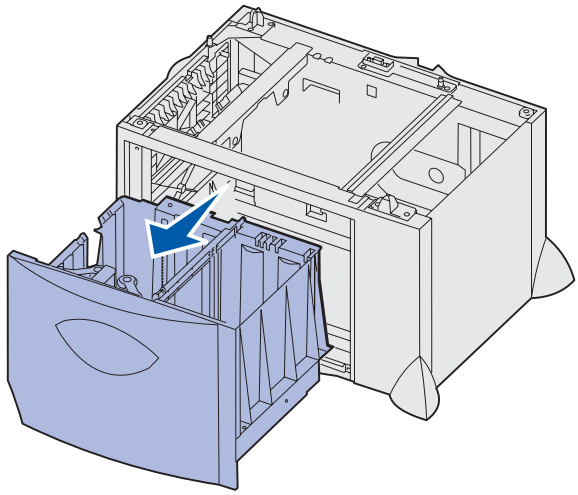


Area T<x>

1. If you cannot clear all the 500-sheet drawer jams from **Area C**:
   a. Carefully open trays 2 through 4 (all 500-sheet trays) and remove jams.

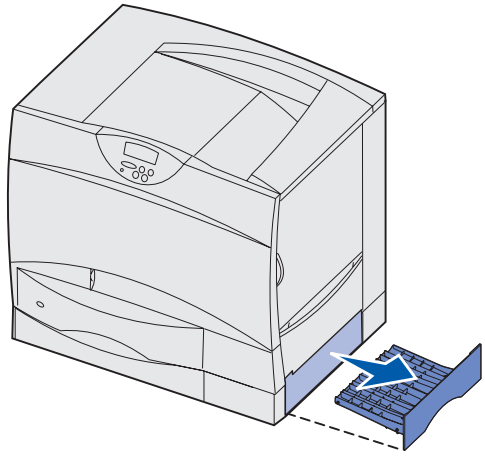
      Note: Make sure the paper is pushed all the way down into the tray.

   b. Close trays 2 through 4.
2. If you cannot clear the 2000-sheet drawer jam from **Area C**:
   a. Open the 2000-sheet drawer.
   b. Remove any jams, and then close the 2000-sheet drawer.



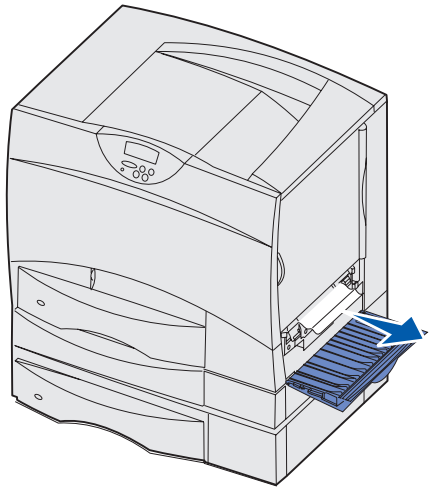
Area J

1. Remove the duplex tray.
2. Remove any jams and then reinstall the tray.



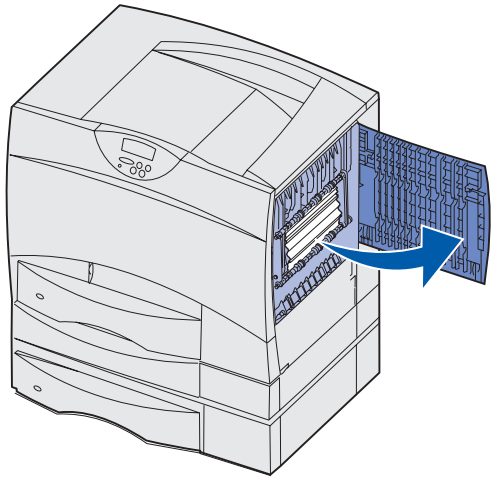
Area K

1. Open the lower right access door.
2. Remove any jams, and then close the door.



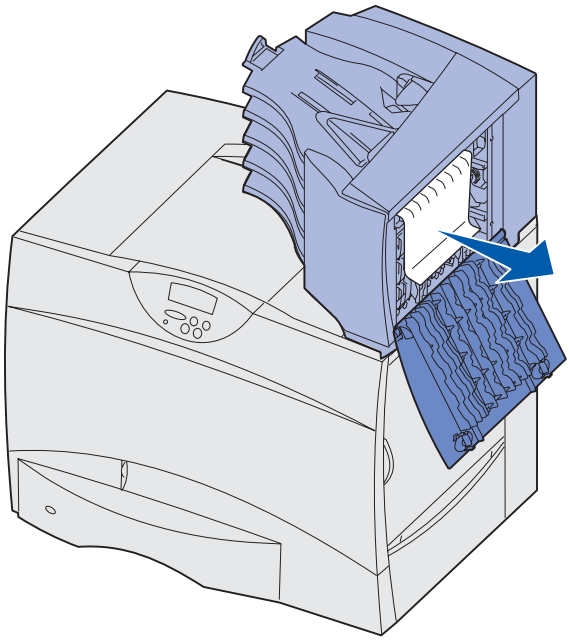
Area L

1. Open the upper right access door.
2. Remove jams from the rollers and then close the door.



Clearing mailbox or output expander jams (Area M)

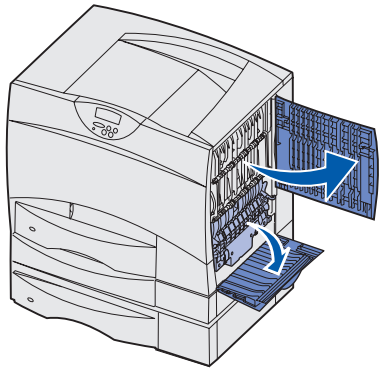
1 Open the rear door of the 5-bin mailbox.



2 Pull the jam straight out, and then close the door.

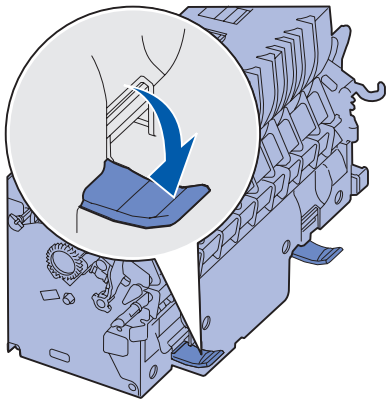
Clearing fuser jams

1. Clear the paper path. If the jam error message persists, go to step 2.
2. Open both the upper right and the lower right access doors (Areas K and L).

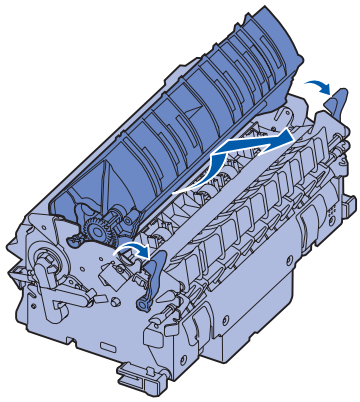


CAUTION: The fuser assembly may be hot. Let it cool before continuing.

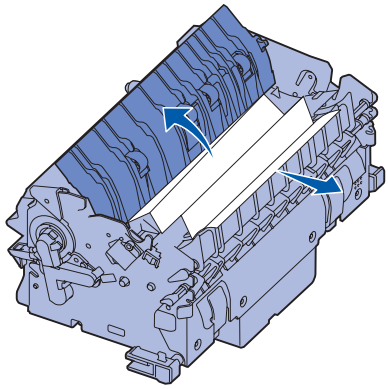
3. Pull down the latches. They slide toward the center to release the fuser.



4. Pull the fuser out, and set it on a clean, flat surface.
5. Unsnap the housing and set it aside.



6 Lift up the fuser roller cover and remove the jam.



7 Close the fuser roller cover.

8 *Snap* the housing back onto the fuser.

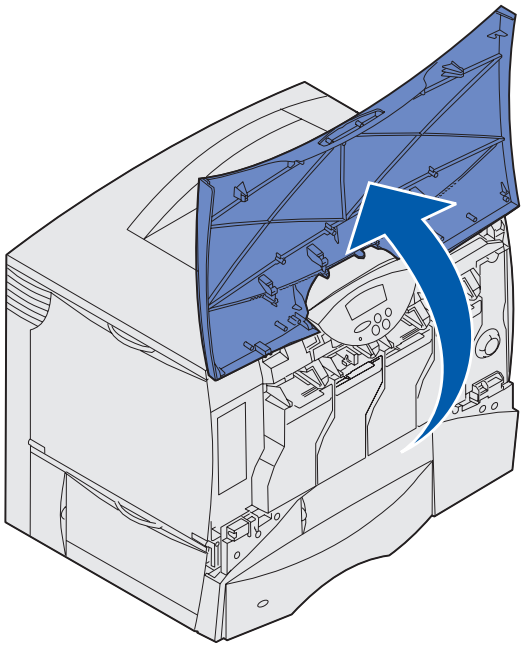
9 Insert the fuser back into the printer.

10 Slide the latches out, and then pull up to refasten them.

11 Close the doors.

Clearing image transfer unit jams

1 Turn the printer off. Open the front cover.

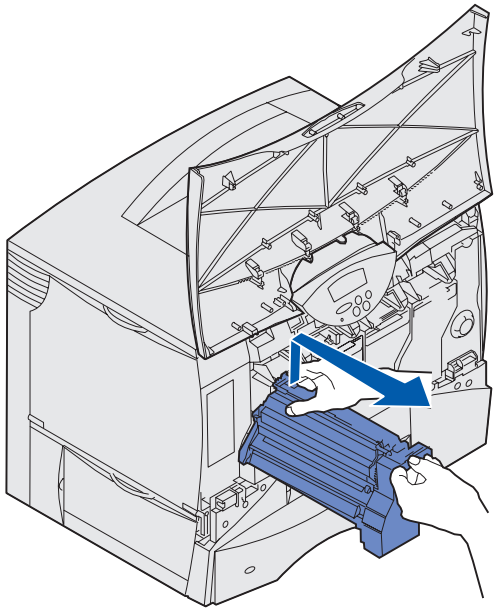


2 Remove all the print cartridges.

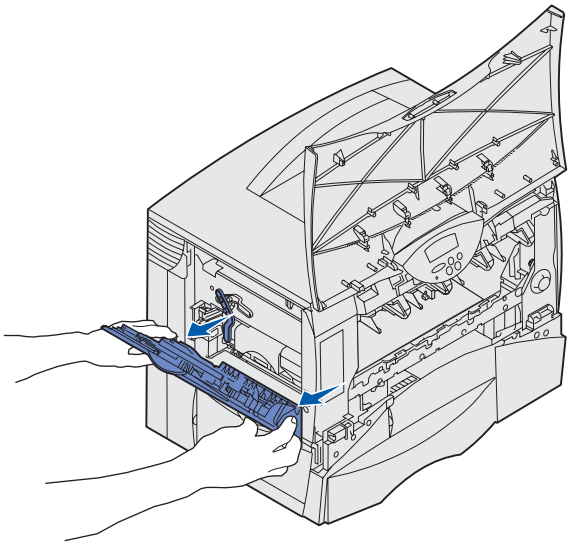
a Pull up slightly on the cartridge handhold.

b Pull the cartridge straight out and use the handle to lift it off the guides.

c Place the cartridges on a clean, flat surface out of direct light.

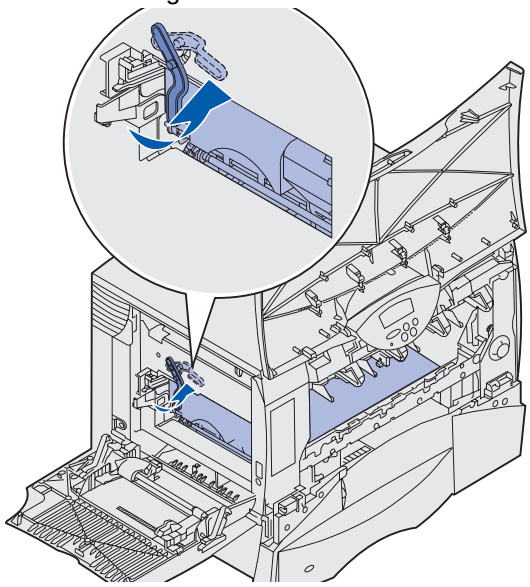


3 Release the latches to open the multipurpose feeder (area A) all the way.

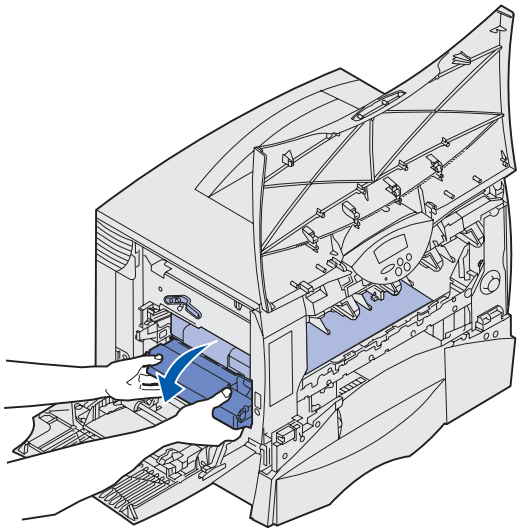


4 Remove the image transfer unit.

a Raise the lever to unlock the image transfer unit.

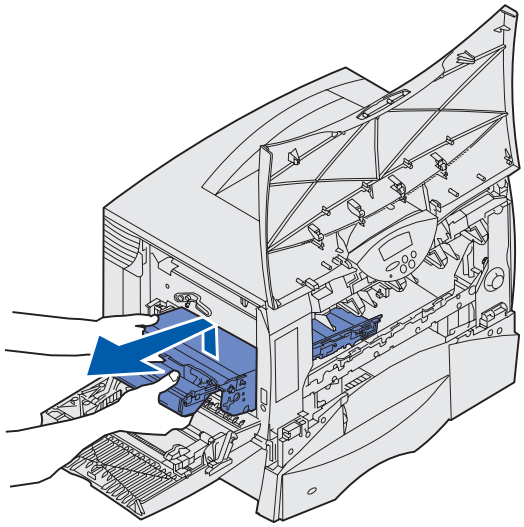


b Pull down on the handle.

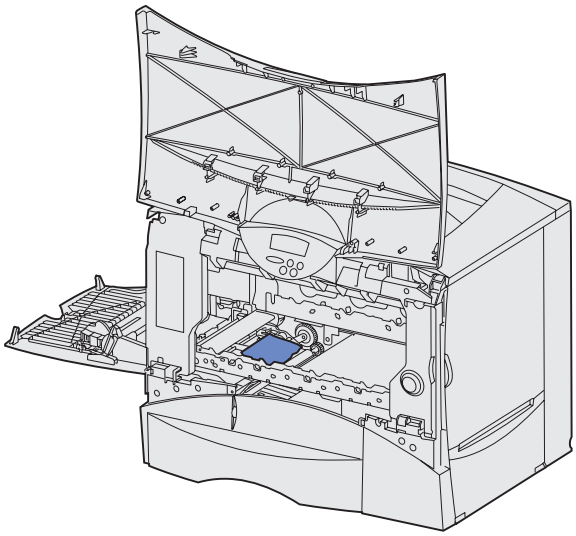


c Slide the image transfer unit out and place it on a clean, flat surface.

Warning: Do not touch the transfer belt. Touching the belt will damage the image transfer unit.

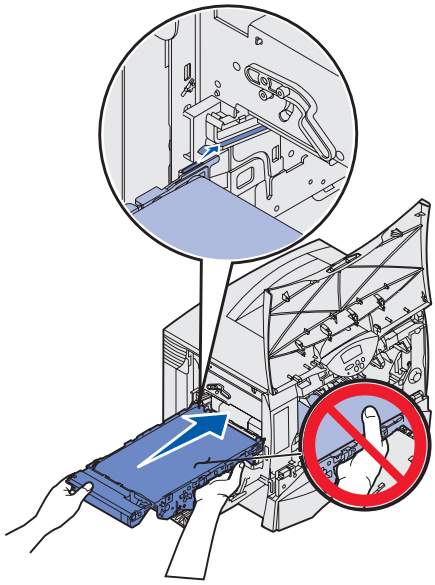


5 Look inside the printer. Remove all torn paper or other jams.

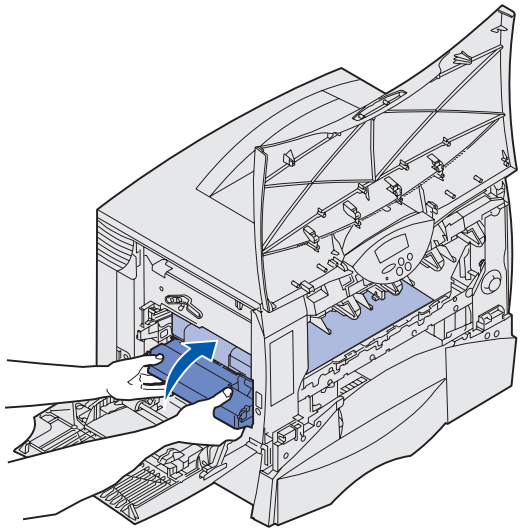


6 Insert the image transfer unit back into the printer.

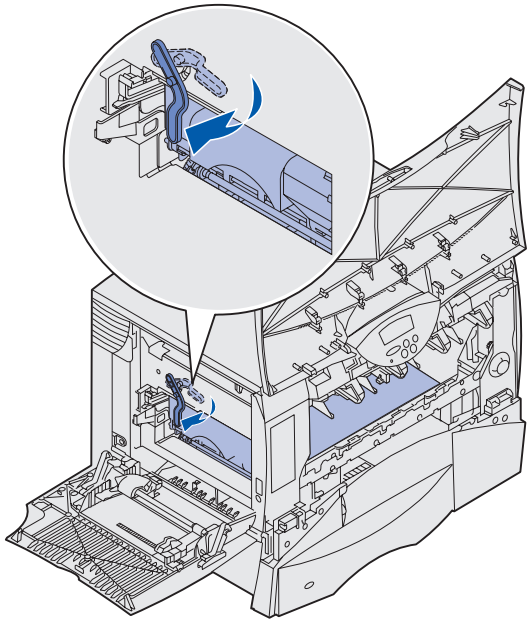
a Align the guides with the insertion grooves.



b Push the handle up using both hands, and gently slide the unit in.

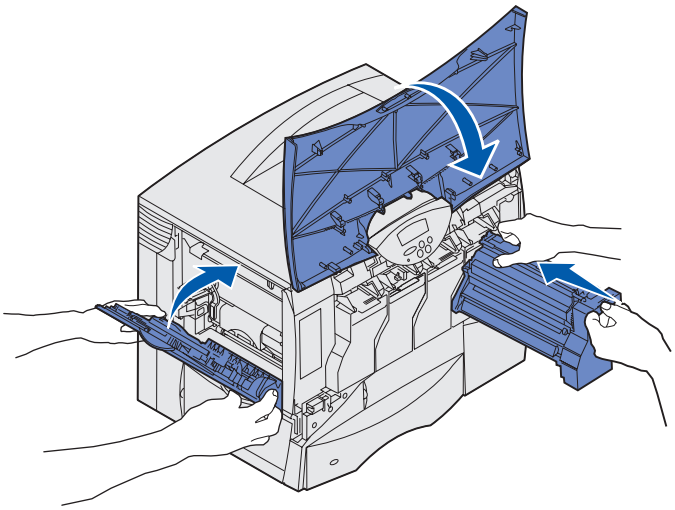


c Lower the lever to lock the image transfer unit into place.

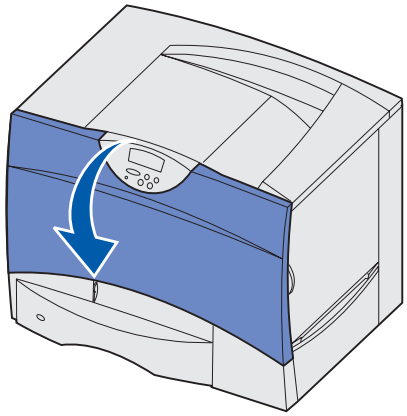


7 Return the multipurpose feeder to its working position.

Reinstall all the print cartridges.



8 Close the printer door.



9 Turn the printer on. The printer returns to a Ready state.

Clearing finisher jams (Areas 1–6)

Refer to the *Finisher Setup & User's Guide* for instructions on clearing finisher jams.

If you still need help

1 Turn the printer off and then back on.

2 Contact your administrator or Help desk if you need more assistance.

8 Maintenance

- Determining the status of supplies
- Conserving supplies
- Ordering supplies and maintenance items
- Recycling used supplies
- Replacing print cartridges
- Replacing the fuser
- Replacing the toner waste container
- Replacing the image transfer unit and transfer roller
- Removing memory and option cards

Determining the status of supplies

To determine the status of all of the consumables installed in your printer, print the menu settings page.

See **Printing a menu settings page** for detailed instructions.

One or two pages print, depending on the number of menu settings you have. Look for “Consumable Status” on the page; the percentage of life remaining for each of the items is indicated.

Conserving supplies

Several settings in your application software or on the display let you conserve toner and paper:

Supply	Setting	What the setting does	For more information, see...
Toner	Toner Darkness in the Color Menu	Lets you adjust the amount of toner released on a sheet of paper. The values range from 1 (lightest setting) to 5 (darkest setting).	**Toner Darkness**
	Color Saver in the Color Menu	Reduces the amount of toner used to print graphics and images, while keeping text at the default toner level.	**Color Saver**
Paper and specialty media	Multipage Print in the Finishing Menu	Prints two or more page images on one side of a sheet. Values for Multipage Print are 2 Up, 3 Up, 4 Up, 6 Up, 9 Up, 12 Up, and 16 Up. Combined with the duplex setting, Multipage Print lets you print up to 32 pages on one sheet of paper (16 images on the front and 16 on the back).	**Multipage Print**
	Duplex in the Finishing Menu	Available when you attach an optional duplex unit.	**Duplex**
Paper and specialty media	Use your software application or printer driver to send a Verify Print job. Use Held Jobs in the Job Menu to access your Verify Print job.	Lets you examine the first copy of a multiple-copy job to be sure it is satisfactory before you print the other copies. If the job is unsatisfactory, you may cancel the job.	**Verify Print** **Canceling a print job** **Holding a job in the printer**

Ordering supplies and maintenance items

In the U.S. or Canada, call 1-800-Lexmark (1-800-539-6275) for information about Lexmark Authorized Supplies Dealers in your area. In other countries/regions, contact the place where you bought your printer.

You can also visit our Lexmark online store at www.lexmark.com to order supplies. Click the Web link on the bottom of this page.

Replacing maintenance items as needed helps you maintain top performance, optimize print quality, and avoid printing problems.

Ordering a fuser

When the **80 Fuser Maintenance** message appears on the display, you should order a new fuser.

Type of fuser	Printer voltage	Part number
Standard	100 V	12G6498
	115 V	12G6496
	220 V	12G6497
Web oiler	115 V	12G6514
	220 V	12G6515

See **Replacing the fuser** for more information.

Ordering a web oiler

When the **84 Oiler Nearly Exhausted** or **84 Replace Oiler** message appears on the display, you should order a new web oiler. Use P/N 12G6545 to order a web oiler.

Ordering an image transfer unit and transfer roller

When the **83 ITU Maintenance** message appears on the display, you should order a new image transfer unit and transfer roller. Use P/N 56P1544 to order an image transfer unit and second transfer roller. See **Replacing the image transfer unit and transfer roller** for more information.

Ordering a print cartridge

When the **88 <color> Toner Low** message appears on the display, you should order a new print cartridge. You can continue to print after the **88 <color> Toner Low** message appears for a few hundred pages until the print fades or no longer prints satisfactorily.

Visit Lexmark's Web site at **www.lexmark.com** for print cartridge ordering information.

The following is a list of cartridges you can order:

- Black print cartridge
- Cyan print cartridge
- Magenta print cartridge
- Yellow print cartridge
- Black high yield print cartridge
- Cyan high yield print cartridge
- Magenta high yield print cartridge
- Yellow high yield print cartridge
- Black Return Program print cartridge
- Cyan Return Program print cartridge
- Magenta Return Program print cartridge
- Yellow Return Program print cartridge
- Black high yield Return Program print cartridge
- Cyan high yield Return Program print cartridge
- Magenta high yield Return Program print cartridge
- Yellow high yield Return Program print cartridge

See **Replacing print cartridges** for more information.

Recycling used supplies

The Lexmark Cartridge Collection Program is an environmental program in which Lexmark sells new print cartridges (#92, 93, 96, and 97) at a special price with the agreement that you will return them (at no cost) to Lexmark for recycling. Lexmark uses the recycled materials for both internal use and external sale.

General use print cartridges (#94, 95, 98, and 99) without this agreement are also available.

Note: General use print cartridges can also be returned (at no cost) to Lexmark for recycling using Lexmark Cartridge Collection return bags. To obtain a prepaid mailing label for your country/region, visit Lexmark's Web site at **www.lexmark.com** and follow the instructions.

Refer to the full agreement on the Lexmark Cartridge Collection Program information sheet or at **www.lexmark.com**.

Refilled print cartridge notice

Lexmark Return Program print cartridges cannot be refilled. Lexmark does not recommend the use of third-party ink, or print cartridge refill kits. Lexmark cannot assure the excellent print quality and reliability of its print cartridges after a print cartridge has been refilled using third-party inks. To refill a general use print cartridge, visit Lexmark's Web site at **www.lexmark.com** to download the reset application **`resetapp.exe`**, and follow the instructions provided.

Warning: Print cartridge leaks due to refilling can cause failure in several areas of your printer. Print cartridge or printer failures caused by refilling or a third party ink are not covered by your Lexmark printer warranty, extended warranty, or service agreement.

Mail return directions

1. Remove the empty print cartridge. See **Replacing print cartridges** for more information.
2. Place the print cartridge in the free-return bag that came with your printer or with your new Lexmark print cartridge.
3. Insert the new print cartridge. See **Replacing print cartridges** for more information.

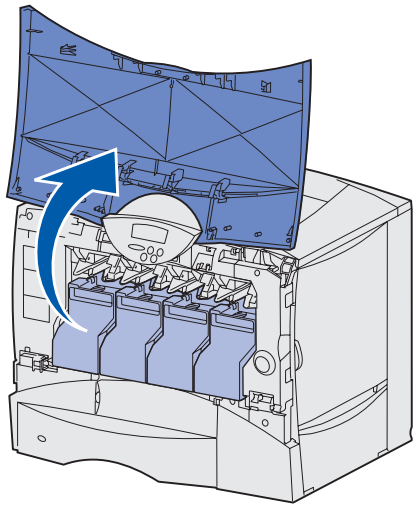
4 Visit Lexmark's Web site at **www.lexmark.com** to print a free mailing label for your country/region.

5 Follow the instructions on the Web site for mailing the bag from your country/region.

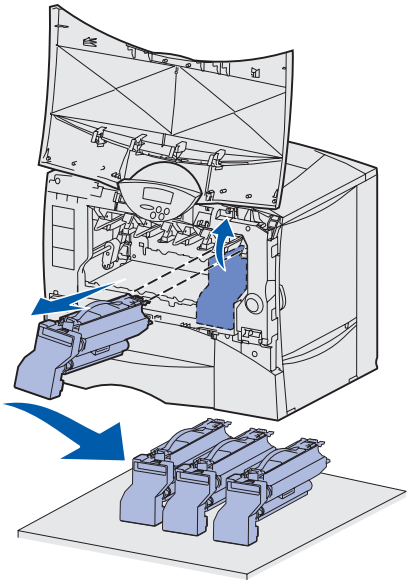
Replacing print cartridges

1 Turn the printer off.

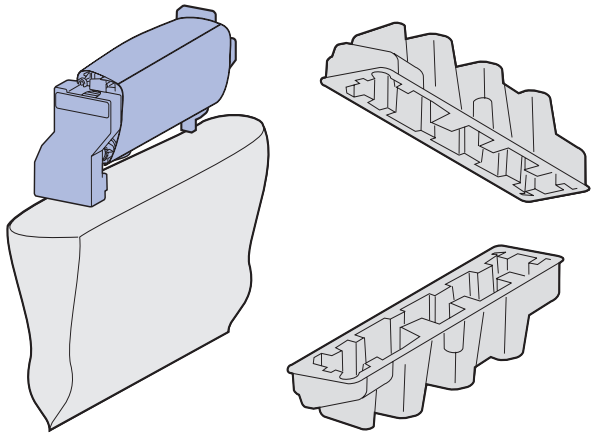
2 Open the front cover.



3 Pull up slightly on the handhold. Pull the cartridge straight out and use the handle to lift the cartridge off the guides.

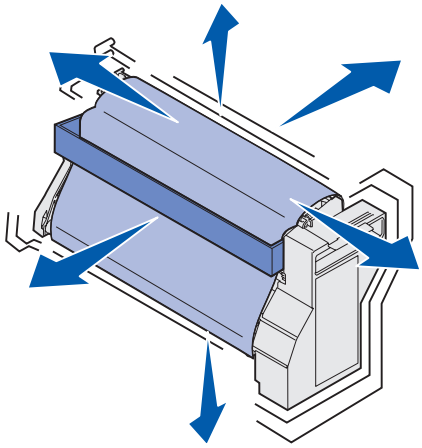


4 Remove the new cartridge from the box and the plastic bag. Leave the rest of the packing materials in place for now.

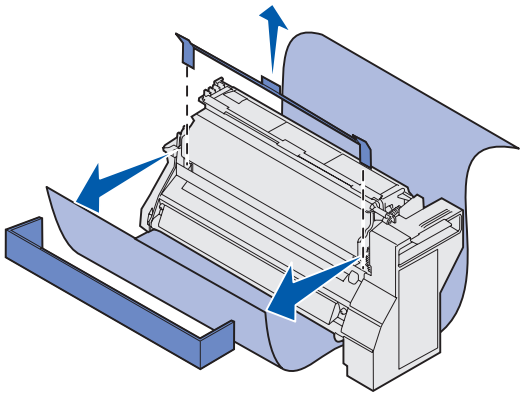


Note: To recycle the cartridge, save all the packing materials. Follow the recycling instructions in the box.

5 Shake the cartridge in all directions to distribute the toner.

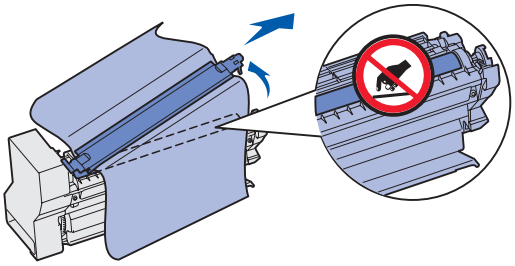


6 Remove the cardboard shim and print cartridge detensioner.

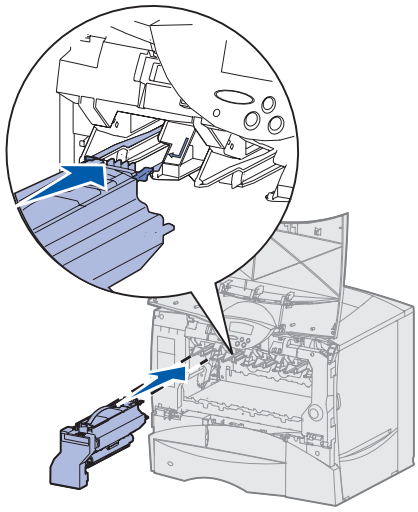


7 Remove the photoconductor drum cover and unwrap the blanket.

Warning: Do not touch the photoconductor drum on the bottom of the print cartridge.

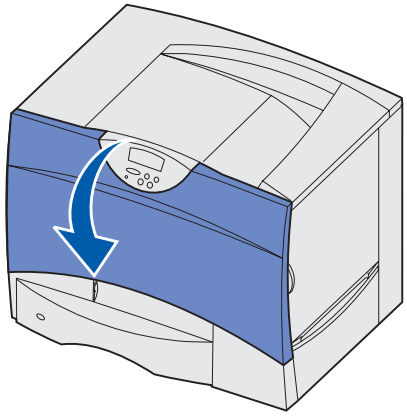


8 Place the cartridge on the guides of its color-coded opening, and then slide it into the printer. The cartridge drops slightly and *clicks* into place.



9 Close the front cover.

Warning: If the front cover does not close completely, reopen the door. Press in firmly on the cartridges to make sure they are correctly seated.

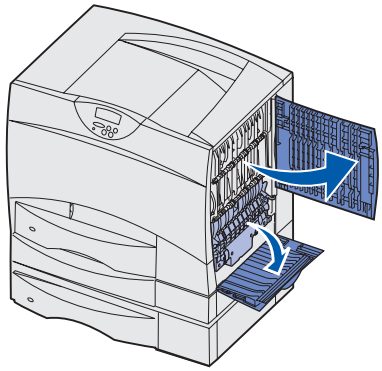


10 Turn the printer on.

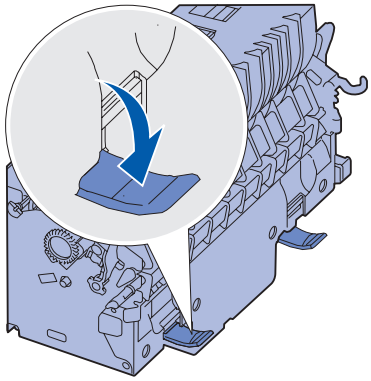
Replacing the fuser

1. Turn off and unplug the printer.
2. Open the upper right and lower right access doors.

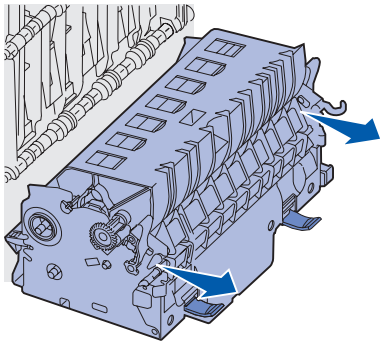
CAUTION: The fuser may be hot. Let it cool before continuing.



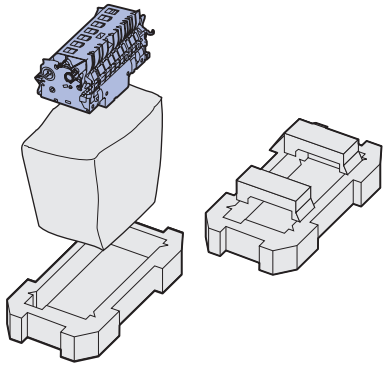
3. Pull down the latches. They slide toward the center to release the fuser.



4. Pull the fuser straight out and set it aside.

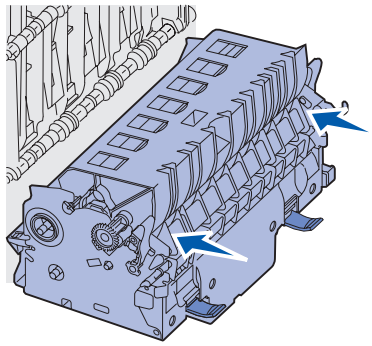


5 Unwrap the new fuser.

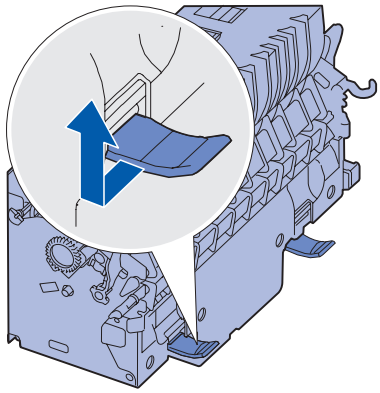


Note: Save all the packing materials. Follow the recycling instructions in the box.

6 Insert the new fuser into the printer.



7 Slide the latches to each side and then pull up to lock the fuser in place.



8 Close the doors.

9 Reset the fuser maintenance counter:

a Plug in the printer.

b Press and hold **Select** and **Return** while turning the printer on.

c When Performing Self Test appears, release the buttons. Config Menu appears.

d Press **Menu** until you see Reset Fuser Cnt, and then press **Select**.

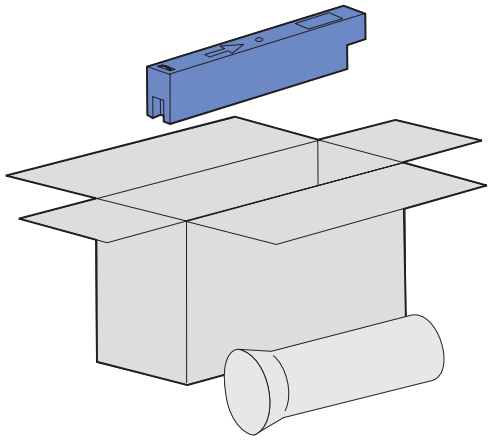
e When Reset appears, press **Select**. Resetting Fuser Cnt appears.

f Press **Menu** until you see Exit Config Menu, and then press **Select**. Activating Menu Changes appears, then Performing Self Test appears.

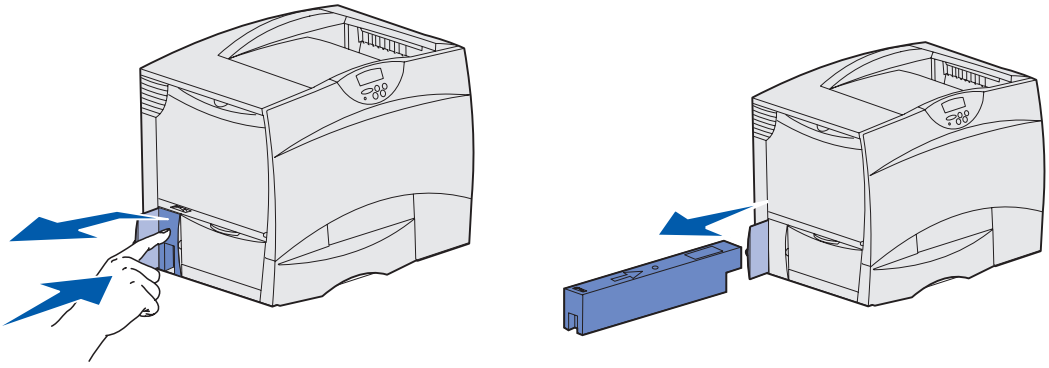
When you see the Ready message, you can resume sending print jobs to the printer.

Replacing the toner waste container

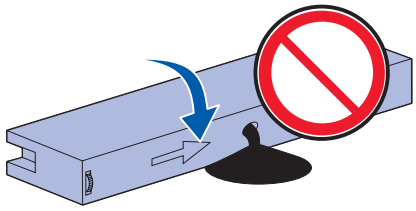
1 Unpack the new toner waste container.



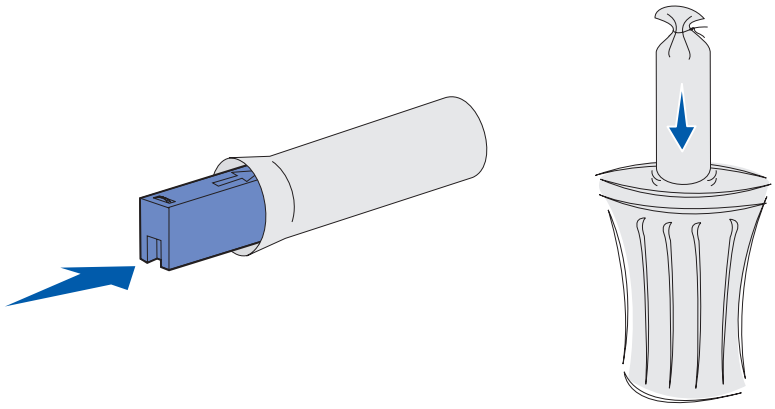
2 Open the toner waste container door and remove the old waste container.



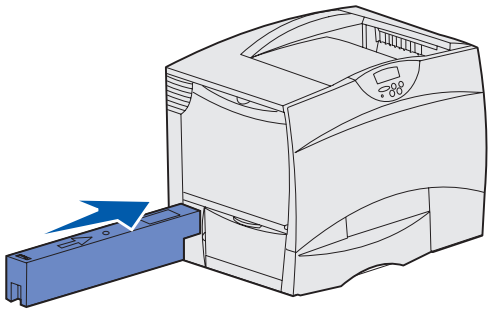
Note: Keep the old waste container upright or toner may spill out.



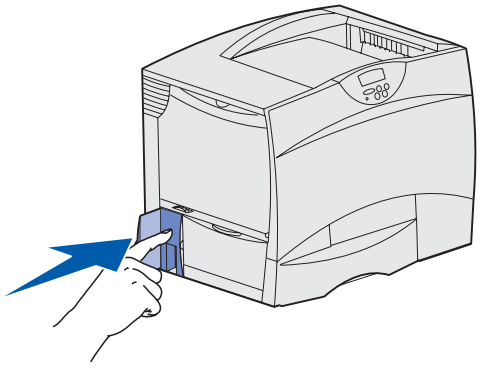
3 Place the old waste container in the plastic sleeve and dispose of it properly.



4 Insert the new toner waste container.



5 Close the toner waste container door.

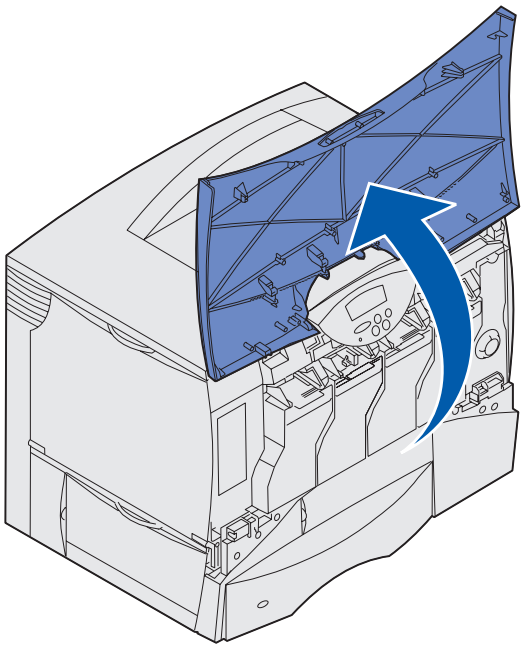


Replacing the image transfer unit and transfer roller

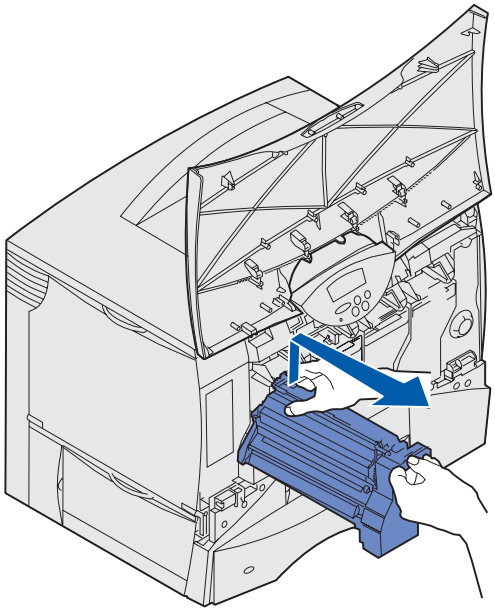
Use the following set of instructions to replace an image transfer unit, a transfer roller, or both.

We recommend that you replace both the image transfer unit and the transfer roller at the same time.

1. Turn off and unplug the printer.
2. Open the front cover.



3. Remove all the print cartridges.



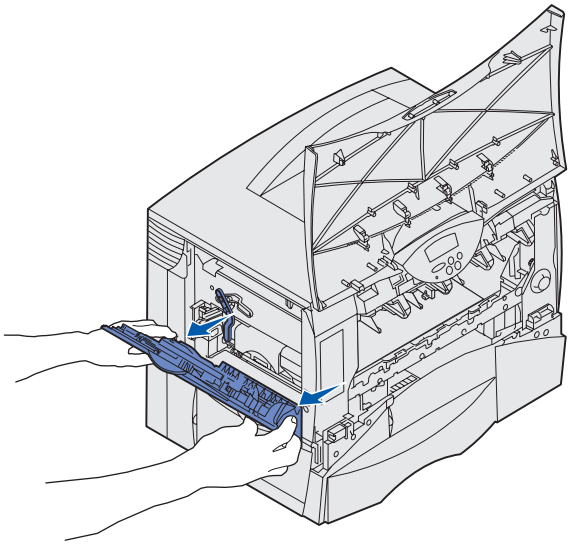
   a. Pull up slightly on the handhold.

b Pull the cartridge straight out and use the handle to lift it off the guides.

c Set the cartridge on a clean, flat surface in the upright position.

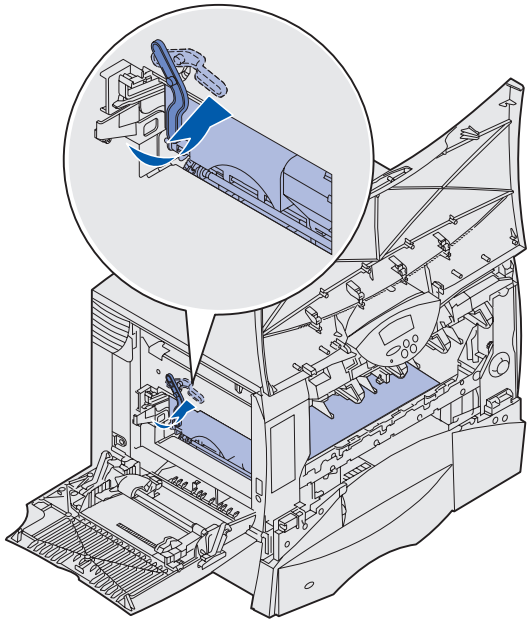
Warning: When removing cartridges from the printer, be careful not to touch the photoconductor on the bottom of the cartridge.

4 Release the latches to open the multipurpose feeder all the way.

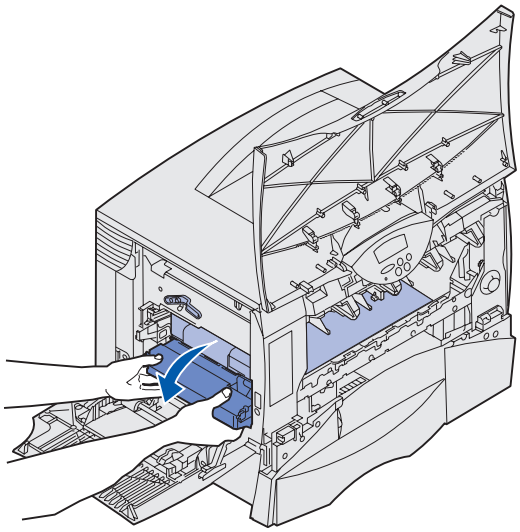


5 Remove the old image transfer unit.

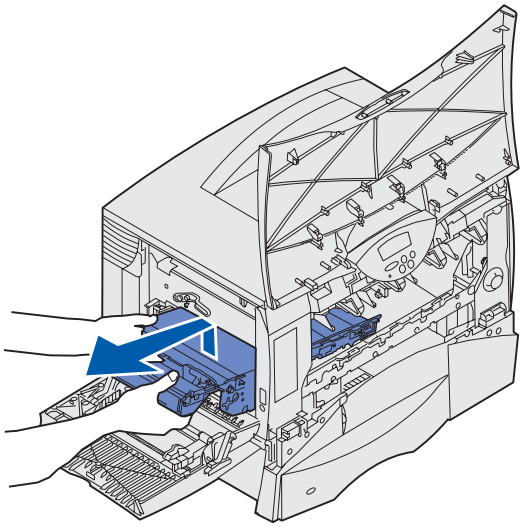
a Raise the lever to unlock the image transfer unit.



b Pull down on the handle.



c Slide the unit out and place it on a clean, flat surface.

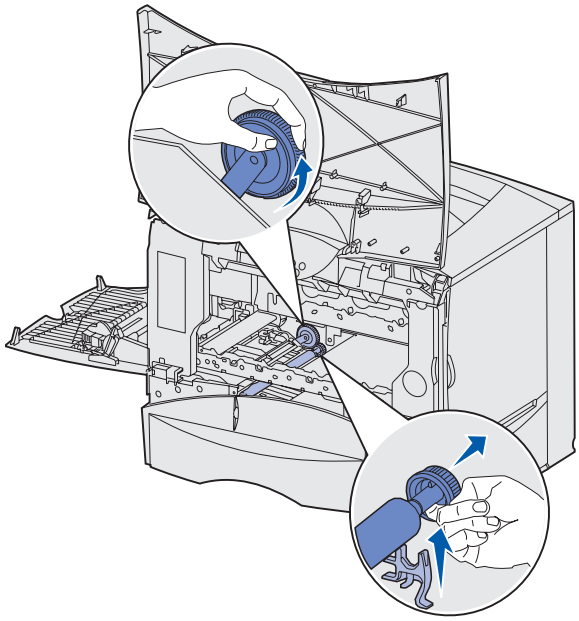


6 Perform one of the following:

- *If you are not installing a new transfer roller*, skip to step 10.
- *If you are installing a new transfer roller*, go to step 7.

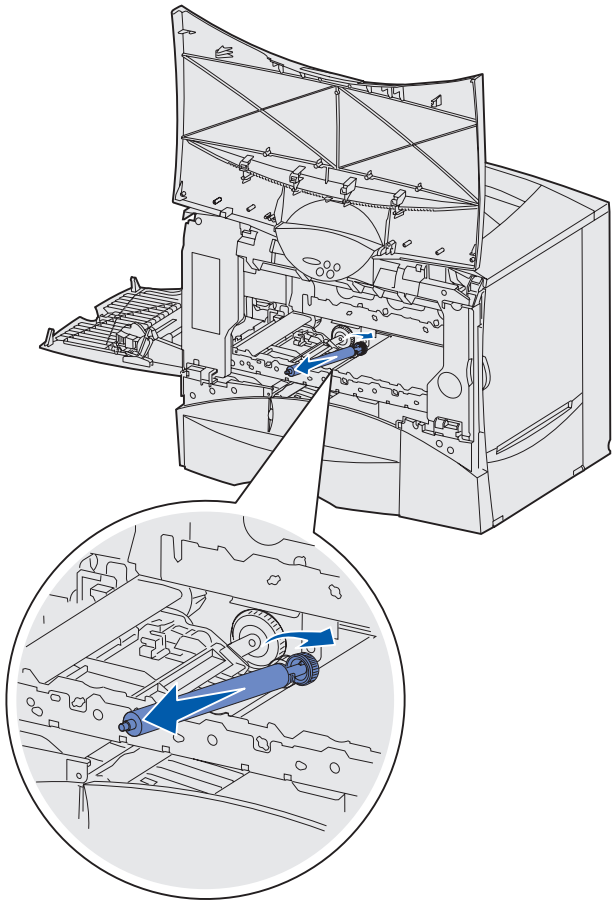
7 Remove the old transfer roller.

a Using your right hand, reach through the front of the printer and push the rear end of the transfer roller down and toward the rear until the front end of the roller lifts upward.



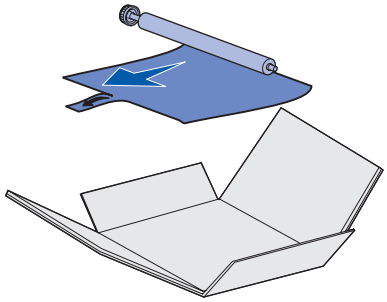
b While holding the rear section down, use your left hand to grab the front end of the roller.

c While holding the front end of the roller in your left hand, rotate and move the rear end of the roller to the right until the roller gear is free from the printer.



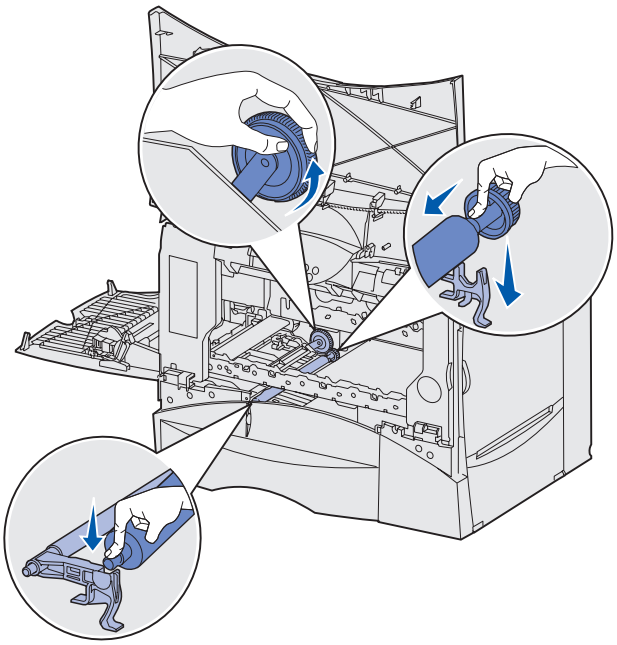
d Pull the roller completely and discard it.

8 Unwrap the new transfer roller. Remove and discard all the packaging.

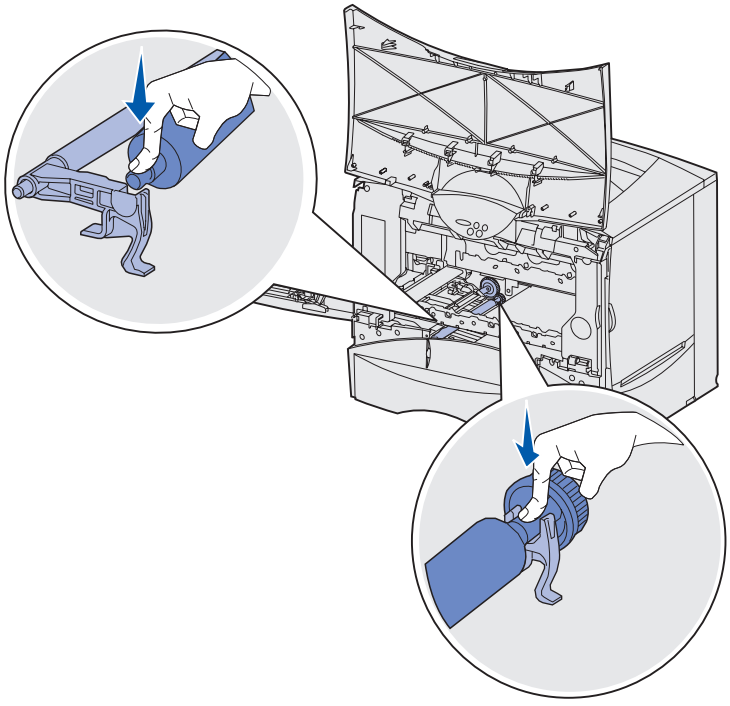


9 Install the new transfer roller.

a Rotate and move the rear of the roller to the left and into the notched opening as shown.

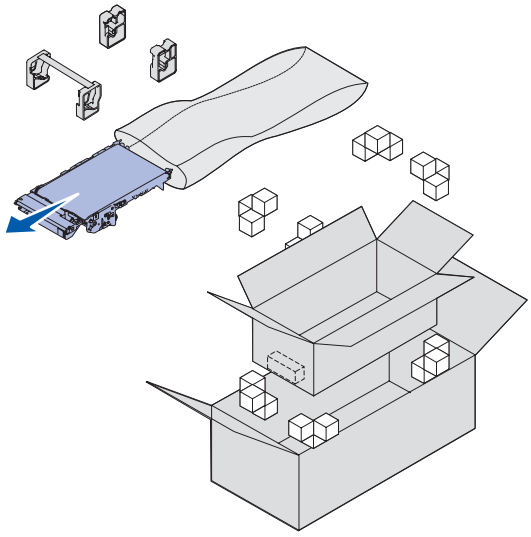


b Using your right hand, insert the small end of the new roller into the notched opening as shown.



c Push the roller down into place at the back of the printer.

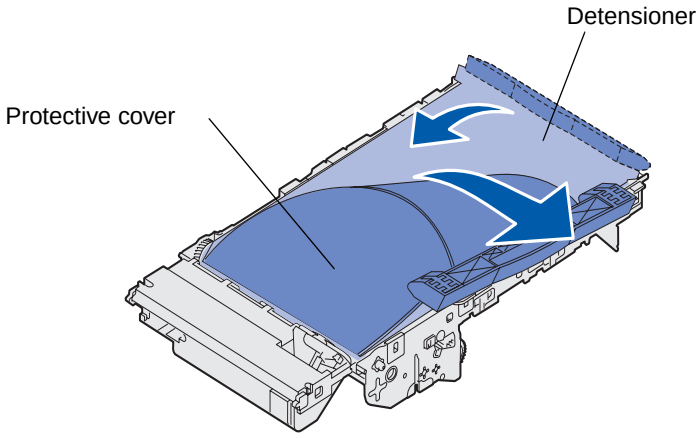
10 Remove the new image transfer unit from the box and the plastic shipping bag.



Note: Save all the packing materials. Follow the recycle instructions in the box.

11 Remove the protective cover and detensioner. Gently but firmly pull the material up and off the new unit.

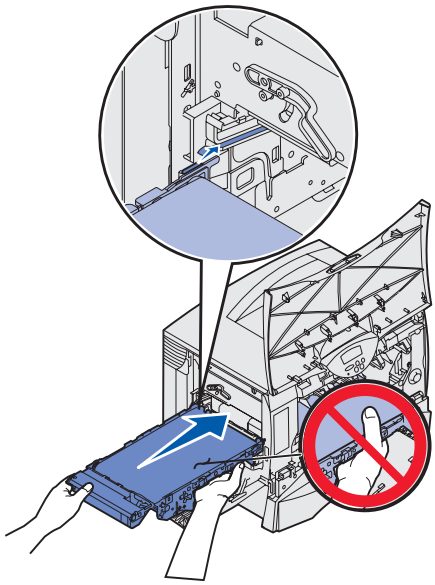
Warning: Do not touch the transfer belt when removing the protective cover and detensioner. Touching the transfer belt will damage the image transfer unit.



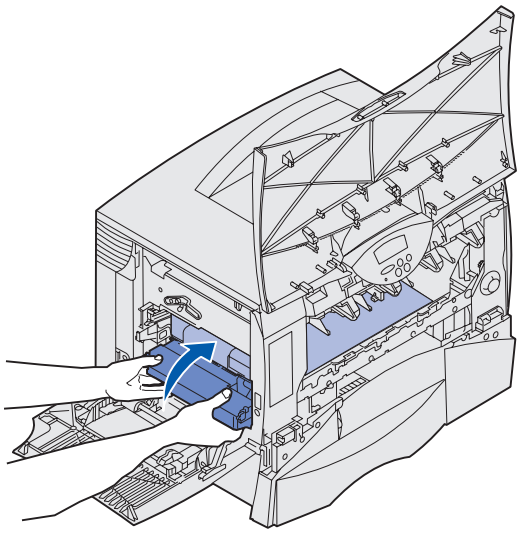
12 Insert the new image transfer unit.

a Align the guides with the insertion grooves.

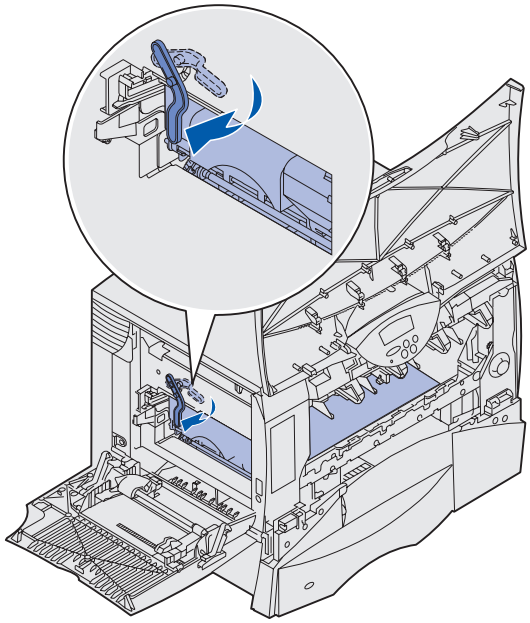
Warning: Do not touch the transfer belt when installing the unit. Touching the transfer belt will damage the image transfer unit.



b Push the handle up using both hands, and gently slide in the new unit. It will drop down when correctly seated.



c Lower the lever to lock the image transfer unit into place.

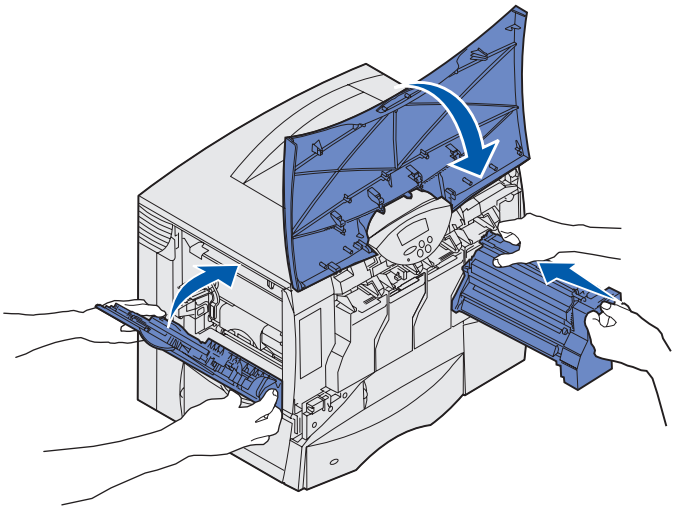


13 Return the multipurpose feeder to its working position.

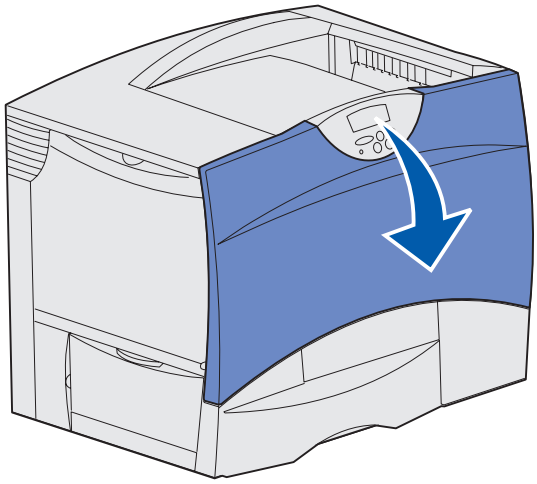
14 Reinstall all the print cartridges.

a Align the cartridge with its color-coded opening.

b Slide it into the printer. The cartridge drops slightly and *clicks* into place.



15 Close the printer door.



If the door does not close completely, reopen the door and press in firmly on the cartridges to make sure they are fully seated.

16 Plug the printer in and perform one of the following:

- *If you only installed a transfer roller*, turn the printer back on. The printer returns to a Ready state. You are now finished.
- *If you installed a new image transfer unit*, continue with step 17.

17 Set the alignment for the new image transfer unit:

a Make sure the printer is on and the **Ready** message appears.

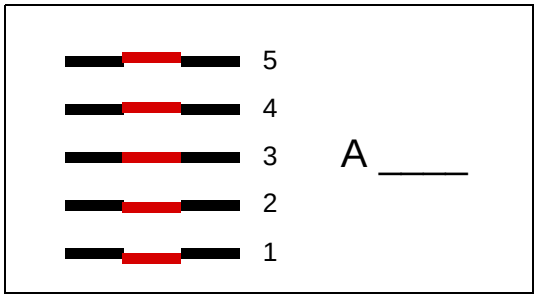
b Press **Menu** until you see Utilities Menu, and then press **Select**.

c Press **Menu** until you see Color Alignment, and then press **Select.**

Several test pages print.

d For each alignment group on the test pages, locate the number next to the alignment pattern that comes closest to forming a perfectly straight line.

For example, in this sample group, pattern 3 comes closest to forming a straight line.



It is helpful to write all twelve alignment values in the lines provided on the test pages before going on to step e. You must select a value for all twelve settings.

e When you see **A=10** (or other number), press **Menu** until you find the number value you want to use, and then press **Select**. A **Saved** message briefly appears and then the next test alignment is displayed.

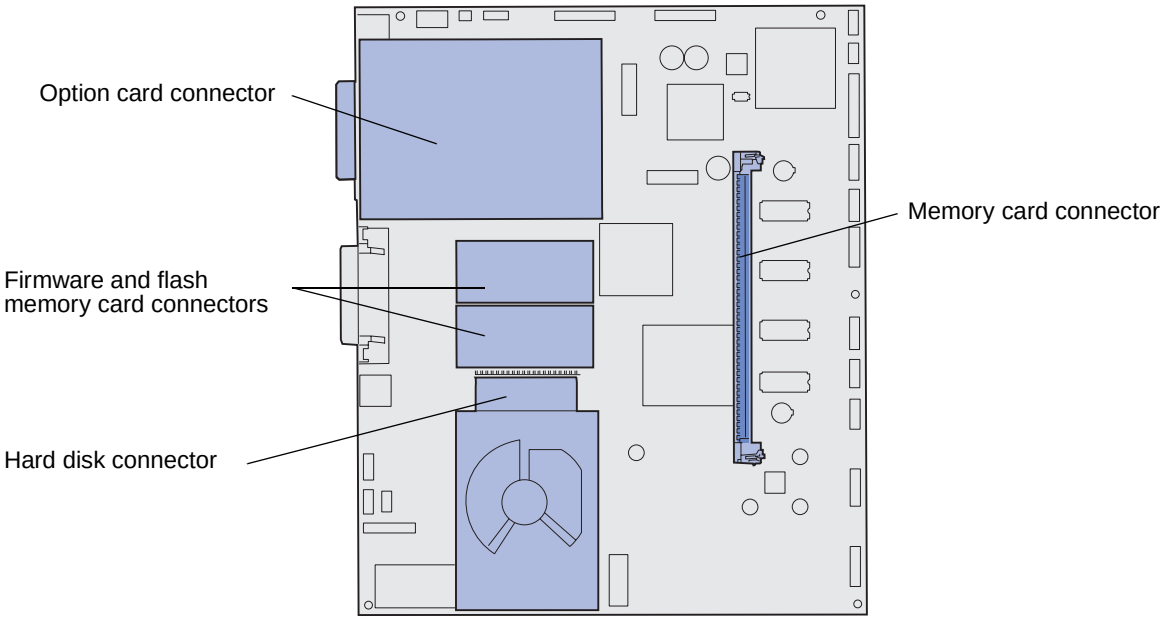
   If no changes are necessary, press **Return** to return to the Utilities Menu.

f After you have completed all twelve settings, Utilities Menu appears. Press **Go**.

   The printer returns to the Ready state.

Removing memory and option cards

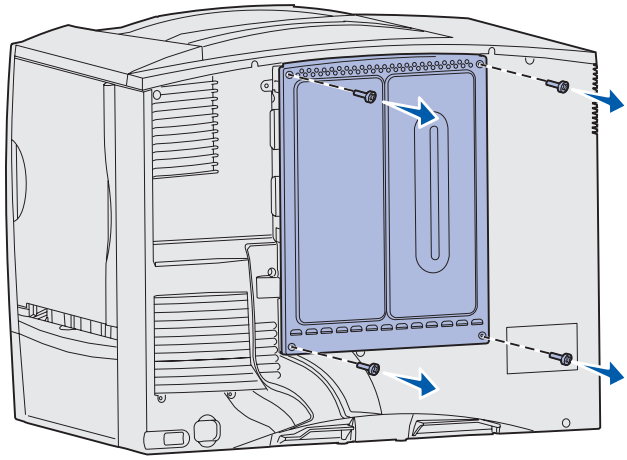
To remove memory or option cards, use the following illustration to locate the connector for the card you want to remove.



Accessing the printer system board

1. Turn the printer off.
2. Unplug the printer power cord.
3. Disconnect all cables from the back of the printer.
4. Locate the access cover on the back of the printer.

5 Remove the four access cover screws as shown.



6 Remove the access cover.

Removing memory cards

Complete the following steps to remove printer memory or flash memory cards.

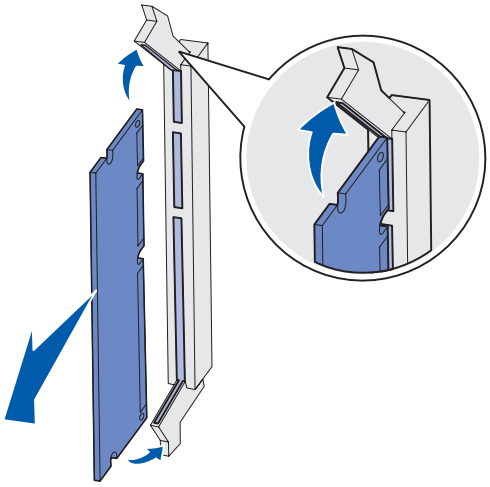
Warning: Printer memory and flash memory cards are easily damaged by static electricity. Touch something metal on the printer before you touch a memory card.

1 Remove the system board access cover. See **Accessing the printer system board**.

2 Locate the memory card you want to remove.

3 Push open the latches on both ends of the connector away from the card.

4 Pull the card straight out of the connector.



5 Place the card in its original packaging, or wrap the card in paper and store it in a box.

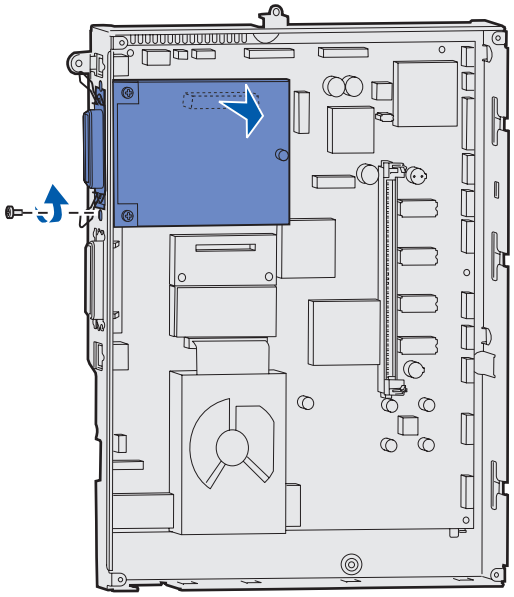
6 Reinstall the system board access cover. See **Reinstalling the system board access cover**.

Removing an option card

Complete the following steps to remove an internal print server, Coax/Twinax Adapter, Parallel Interface Card, or Serial Interface Card.

Warning: Option cards are easily damaged by static electricity. Touch something metal on the printer before you touch an option card.

1. Remove the system board access cover. See **Accessing the printer system board**.
2. Locate the option card.
3. Remove the screw that secures the card to the system board connector slot.

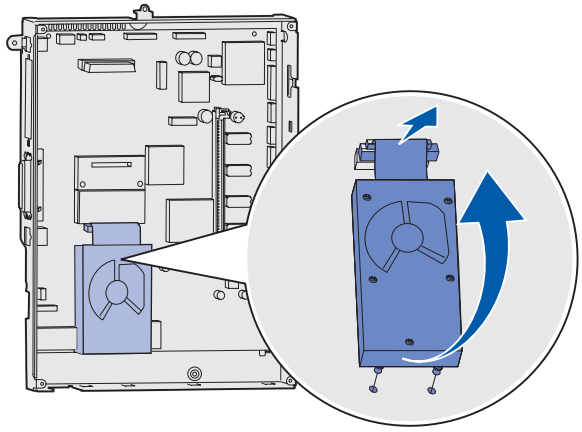


4. Gently pull the card out of the connector.
5. If you saved the metal plate that covers the connector slot and you do not plan to insert another card, attach the plate:
   a. Slide the clip side of the plate in first, making sure the clip end covers the groove on the system board.
   b. Use the screw to secure the other end of the metal plate to the system board.
6. Place the card in its original packaging, or wrap the card in paper and store it in a box.
7. Replace the system board access cover. See **Reinstalling the system board access cover**.

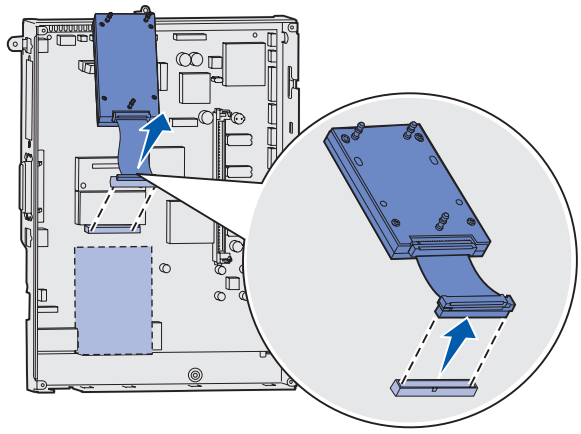
Removing a hard disk

Warning: Hard disks are easily damaged by static electricity. Touch something metal on the printer before you touch a disk.

1. Remove the system board access cover. See **Accessing the printer system board**.
2. Locate the hard disk.
3. Gently pull the three posts on the hard disk mounting plate out of the holes on the system board.



4. Gently pull the ribbon cable connector out of the connector on the system board.

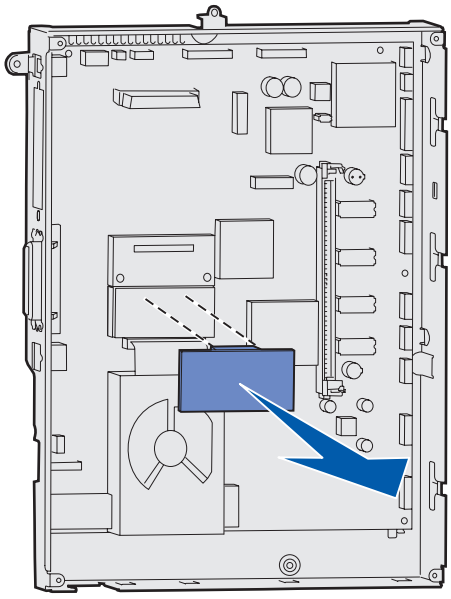


5. Place the disk in its original packaging, or wrap the disk in paper and store it in a box.
6. Replace the system board access cover. See **Reinstalling the system board access cover**.

Removing a firmware card

Warning: Optional firmware cards are easily damaged by static electricity. Touch something metal on the printer before you touch an optional firmware card.

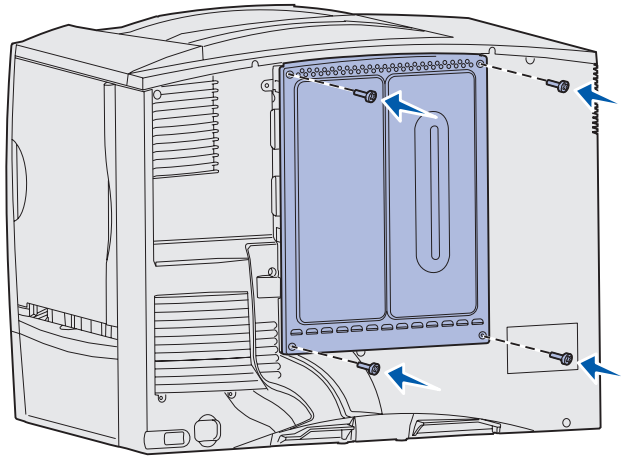
1. Remove the system board access cover. See **Accessing the printer system board**.
2. Grasp the firmware card gently and pull it straight out in one motion. Do not pull one side and then the other.



3. Place the card in its original packaging, or wrap the card in paper and store it in a box.
4. Replace the system board access cover. See **Reinstalling the system board access cover**.

Reinstalling the system board access cover

1. Align the slots at the top of the access cover with the screws near the top of the printer.
2. Slide the cover up under the top cover lip as far as it will go, and then tighten the screws at the top of the cover.
3. Insert and tighten the four screws to the bottom of the cover.



4. Reconnect all cables on the back of the printer.
5. Plug in the printer power cord.
6. Turn the printer on.

9 Troubleshooting

- Calling for service
- Checking an unresponsive printer
- Printing a menu settings page
- Changing menu settings
- Disabling Power Saver
- Disabling the operator panel menus
- Enabling the menus
- Printing multi-language PDFs
- Solving printing problems
- Solving mailbox problems
- Solving option problems
- Solving paper feed problems
- Solving print quality problems
- Solving color quality problems
- Restoring factory default settings
- Aligning the image transfer unit
- Using the Coverage Estimator
- Configuring printer alerts
- Size sensing

Calling for service

When you call for printer service, describe the problem you are experiencing, the message on the display, and the troubleshooting steps you have already taken to find a solution.

You need to know your printer model type and serial number. Refer to the label on the back of the printer near the power cord for this information.

> **Note:** The serial number is also listed on the menu settings page you can print from the Utilities Menu. See **Printing a menu settings page** for more information.

For service in the U.S. or Canada, call 1-800-Lexmark (1-800-539-6275). For other countries/regions, refer to the numbers listed on the drivers CD.

Checking an unresponsive printer

Sometimes printer problems are very easy to solve. If your printer is not responding, first make sure:

- The power cord is plugged into the printer and a properly grounded electrical outlet.
- The electrical outlet is not turned off by any switch or breaker.
- Other electrical equipment plugged into the outlet is working.
- The printer is turned on.
- The printer cable is securely attached to the printer and the host computer, print server, option, or other network device.

Once you have checked each of these possibilities, turn the printer off and back on. This often fixes the problem.

Printing a menu settings page

Print the menu settings page to review the printer settings and to verify that printer options are installed correctly.

> **Note:** See **Understanding the printer operator panel** to identify the display and operator panel buttons if you need help.

1. Make sure the printer is on and the **Ready** message appears.
2. Press **Menu** until you see Utilities Menu, and then press **Select**.
3. Press **Menu** until you see Print Menus, and then press **Select** to print the page.

   The message **`Printing Menus`** is displayed.

   > **Note:** If any other message appears when you print this page, see **Understanding printer messages** for more information.

4. Verify that the options you installed are correctly listed under “Installed Features.”

   If an option you installed is not listed, turn the printer off, unplug the power cord, and reinstall the option.

5 Verify the amount of memory installed is correctly listed under “Printer Information.”

6 Verify that the paper trays are configured for the sizes and types of paper you loaded.

Changing menu settings

You can use the operator panel to change printer menu settings and customize your printer to meet your specific needs.

Note: Changes to specific print jobs made from a software application override the settings made from the operator panel.

See the **menu map** for a list of the menus and their menu items.

To select a new value:

1 Press **Menu** until you see the menu you need, and then press **Select**.

The menu opens and the first menu item in the menu appears on the second line of the display.

2 Press **Menu** until you see the menu item you need, and then press **Select**.

An asterisk (*) appears beside the current default setting for that menu item.

A value can be:

- An On or Off setting.
- A phrase or word that describes a setting.
- A numerical value that you can increase or decrease.

When you press **Select**, an asterisk (*) appears beside the new value to indicate that it is now the default setting. The **Saved** message appears, then the previous list of menu items appears on the display.

Note: Some menu items have submenus. For example, if you select Paper Menu, and then select the Paper Type menu item, you must select another menu (such as Tray 1 Type) before the available values appear.

3 Press **Return** to go back to previous menus or menu items and set new default settings.

4 Press **Go** to return to the **Ready** message if this is the last printer setting you want to change.

Note: User default settings remain in effect until you save new settings or restore the factory defaults.

Disabling Power Saver

Disabling **Power Saver** in the **Setup Menu** helps keep your printer ready to print without delays.

1. Press **Menu** until you see Setup Menu, and then press **Select**.
2. Press **Menu** until you see Power Saver, and then press **Select**.
3. Press **Menu** until you see Disabled, and then press **Select**.

If the Disabled value is not available, first change the Energy Conserve setting to Off in the Config Menu:

1. Turn the printer off.
2. Press and hold the **Select** and **Return** buttons, and then turn the printer on.
3. Release the buttons when **Performing Self Test** appears on the display.

   When the printer self test is done, **Config Menu** is displayed.
4. Press **Menu** until you see **Energy Conserve**, and then press **Select**.
5. Press **Menu** until you see **Off**, and then press **Select**.

   Energy Conserve SAVED briefly appears, and then Config Menu is displayed.
6. Press **Menu** until you see Exit Config Menu, and then press **Select**.

   Activating Menu Changes briefly appears, followed by **Performing Self Test**. The printer returns to the **Ready** message.

Now you can select the Disabled value from the Power Saver menu item.

Note: You can also disable Power Saver by issuing a Printer Job Language (PJL) command. For more information, refer to the *Technical Reference* available on our Lexmark Web site at www.lexmark.com.

Disabling the operator panel menus

A network administrator can lock the printer menus to keep others from changing default menu settings from the operator panel.

To disable the menus:

1. Turn the printer off.
2. Press and hold the **Select** and **Return** buttons, and then turn the printer on.
3. Release the buttons when **Performing Self Test** appears on the display.

   When the printer self test completes, **Config Menu** appears.
4. Press **Menu** until you see Panel Menus, and then press **Select**.
5. Press **Menu** until you see Disable, and then press **Select**.

   Saved briefly appears, followed by **Disabling Menus**. Config Menu appears again with Panel Menus on the second line.

6 Press **Menu** until you see **Exit Config Menu**, and then press **Select**.

Activating Menu Changes briefly appears, followed by **Performing Self Test**. The printer returns to the **Ready** message.

Note: Once this procedure is completed, if the **Menu** button is pressed when the printer displays the **Ready** status message, the message **Menus Disabled** appears. If the printer is holding a confidential job or held job (Reserve Print, Repeat Print, or Verify Print), you can still access these jobs through the Job Menu.

Enabling the menus

To enable the menus, repeat the steps in **Disabling the operator panel menus**. However, in **step 5 on page 137**, select Enable instead of Disable. After you press **Select**, **Enabling Menus** is displayed.

Printing multi-language PDFs

Symptom	Cause	Solution
Some maintenance and troubleshooting documents do not print.	The documents contain unavailable fonts.	**1** Open the document you want to print in Adobe Acrobat. **2** Click the printer icon. The Print dialog box appears. **3** Check the **Print as image** box. **4** Click **OK**.

Solving printing problems

Symptom	Cause	Solution
The operator panel display is blank or displays only diamonds.	The printer self test failed.	Turn the printer off, wait about 10 seconds, and turn the printer back on. **`Performing Self Test`** appears on the display. When the test is completed, the **Ready** message is displayed. If the messages do not appear, turn the printer off and call for service.
Jobs do not print.	The printer is not ready to receive data.	Make sure **Ready** or **`Power Saver`** appears on the display before sending a job to print. Press **Go** to return the printer to the Ready state.
	The specified output bin is full.	Remove the stack of paper from the output bin, and then press **Go**.
	The specified tray is empty.	Load paper in the tray. See **Loading the trays** for detailed instructions.
	You are using the wrong printer driver or are printing to a file.	• Verify that you selected the printer driver associated with the Lexmark C752. • If you are using a USB port, make sure you are running Windows 98/Me, Windows 2000, Windows XP, or Windows Server 2003 and using a Windows 98/Me, Windows 2000, Windows XP, or Windows Server 2003 compatible printer driver.
	Your MarkNet™ print server is not set up properly or is not connected properly.	Verify that you have properly configured the printer for network printing. Refer to the drivers CD or to our Lexmark Web site for information.
	You are using the wrong interface cable, or the cable is not securely connected.	Make sure you are using a recommended interface cable. Refer to the *Setup Guide* for cable specifications.
Held jobs do not print.	A formatting error has occurred.	• Print the job. (Only part of the job may print.) • Delete the job. • Free up additional printer memory by scrolling through the list of held jobs and deleting others you have sent to the printer.
	The printer has insufficient memory.	
	The printer has received invalid data.	Delete the job.
Job takes longer than expected to print.	The job is too complex.	Reduce the complexity of your print job by eliminating the number and size of fonts, the number and complexity of images, and the number of pages in the job.
	Page Protect is set to On.	Set **Page Protect** to Off from the **Setup Menu**. **1** Press **Menu** until you see Setup Menu, and then press **Select**. **2** Press **Menu** until you see Page Protect, and then press **Select**. **3** Press **Menu** until you see Off, and then press **Select**.

Symptom	Cause	Solution
Job prints from the wrong tray or on the wrong paper or specialty media.	The operator panel menu settings do not match the media loaded in the tray.	Make sure the **Paper Size** and **Paper Type** specified on the operator panel and in the printer driver are correct for the job you are printing.
Incorrect characters print.	You are using an incompatible parallel cable.	If you are using a parallel interface, make sure you are using an IEEE 1284-compliant parallel cable. We recommend Lexmark part number 1329605 (10 ft) or 1427498 (20 ft) for the standard parallel port.
	The printer is in Hex Trace mode.	If **Ready Hex** appears on the display, you must exit Hex Trace mode before you can print your job. Turn the printer off and back on to exit Hex Trace mode.
Tray linking does not work.	Tray linking is not configured properly.	To configure the linked trays: • Make sure the Tray x Type value in the **Paper Type** menu item in the **Paper Menu** is the same for all linked trays. • Make sure the Tray x Size value in the **Paper Size** menu item in the **Paper Menu** is the same for all linked trays.
Large jobs do not collate.	Collate is not set to On.	Set **Collation** to On in the **Finishing Menu** or through the printer driver.
	The job is too complex.	Reduce the complexity of the print job by eliminating the number and size of fonts, the number and complexity of images, and the number of pages in the job.
	The printer does not have enough memory.	Add printer memory or an optional hard disk. Refer to the *Setup Guide* for information on selecting memory options to install.
Unexpected page breaks occur.	The job has timed out.	Set **Print Timeout** to a higher value from the **Setup Menu**.

Solving mailbox problems

Symptom	Cause	Solution
Paper jams before reaching the mailbox.	The mailbox and the printer are misaligned.	Realign the mailbox and the printer. Refer to the *Setup Guide* for instructions. See **Clearing mailbox or output expander jams (Area M)** for more information.
	The mailbox cable is not connected properly.	Check the cable connection. Refer to the *Setup Guide* for instructions on connecting the mailbox to the printer.

Solving option problems

Symptom	Cause	Solution
The option does not operate correctly after it is installed, or it stops working.	The option is not installed correctly.	Remove the option, and then reinstall it.
	Cables connecting the option to the printer are not attached correctly.	Check the cable connections. Refer to the *Setup Guide* for instructions.
	The printer driver does not recognize that the option is installed.	Your printer driver may not automatically recognize that an option is attached to your printer. Look at the driver settings and verify that all the printer configuration settings are correct.

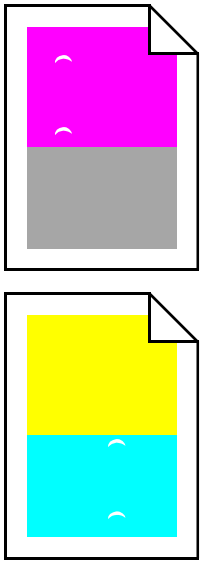
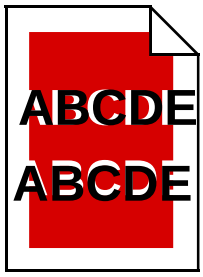
Solving paper feed problems

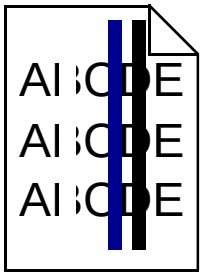
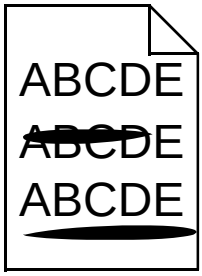
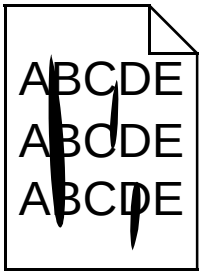
Symptom	Cause	Solution
Paper frequently jams.	You are using paper that does not meet the printer specifications.	Use recommended paper and other specialty media. Refer to the *Card Stock & Label Guide* available on our Lexmark Web site at www.lexmark.com for detailed specifications. See **Clearing the entire paper path**, **Clearing fuser jams**, **Clearing image transfer unit jams**, or **Clearing mailbox or output expander jams (Area M)** for more information. See **Avoiding jams** for information that can help prevent jams from occurring.
	You have loaded too much paper or too many envelopes.	Make sure the stack of paper you load does not exceed the maximum stack height indicated at the back of the tray or on the multipurpose feeder.
	Guides in the selected tray are not set to the appropriate position for the size paper loaded.	Move the guides in the tray to the correct position. See **Loading the trays** for detailed instructions.
	The paper has absorbed moisture due to high humidity.	Load paper from a fresh package. Store paper in its original wrapper until you load it. See **Storing paper** for more information.
The `Paper Jam` message remains after you remove the jammed paper.	You have not cleared the entire paper path, or you did not open the door specified by the message to check for jams in this area.	Clear paper from the entire paper path, open the door indicated by the operator panel message, clear the jam, and close the door. The printer resumes printing. See **Clearing the entire paper path** for more information.
The page that jammed does not reprint after you clear the jam.	Jam Recovery in the Setup Menu is set to Off.	Set **Jam Recovery** to Auto or On.
Blank pages feed into the output bin**.**	An incorrect media type is loaded in the tray being printed from.	Load the correct type media for your print job or change the Paper Type on the operator panel to match the type of media loaded.

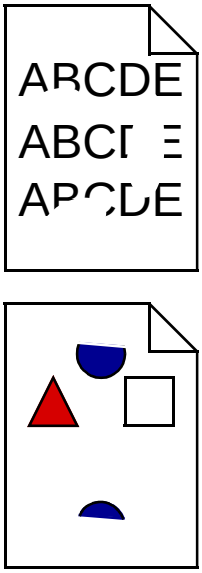
Solving print quality problems

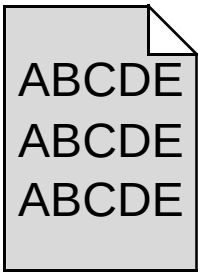
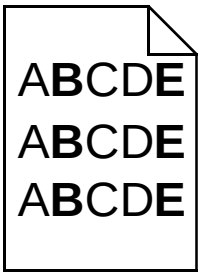
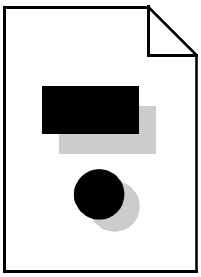
You can solve many print quality problems by replacing a supply or maintenance item that has reached the end of its intended life. Check the operator panel for a message about a printer consumable. See **Determining the status of supplies** for information about other ways to identify consumables that need to be replaced.

Use the following table to find solutions to print quality problems.

Symptom	Cause	Solution
Repeating defects 	Either the print cartridges are defective, the image transfer unit and transfer roller are defective, or the fuser is defective.	**Marks occur repeatedly only in one color and multiple times on a page:** • Replace the cartridge if the defects occur every: – 47.0 mm (1.85 in.) – 94.5 mm (3.72 in.) • Check the first transfer bellcranks and springs or replace the image transfer unit if the defects occur every 101.0 mm (3.98 in.)
		Marks occur down the page repeatedly in all colors: • Replace the transfer roll if the defects occur every 59.7 mm (2.35 in.) • Replace the fuser if the defects occur every 148.0 mm (5.83 in.)
		Marks occur on every third or sixth page in any color: Replace the image transfer unit.
Color misregistration 	Color has shifted outside of the appropriate area or has been superimposed over another color area.	**Top to Bottom or Left to Right:** **1** Re-seat the cartridges by removing them from the printer and then reinserting them. **2** If you still have the problem, refer to the Color Alignment section under the Utilities Menu.

Symptom	Cause	Solution
White or colored line 	Either the print cartridges are defective, the image transfer unit and transfer roller are defective, or the fuser is defective.	**1** Replace the color print cartridge causing the line. **2** If you still have the problem, replace the image transfer unit and transfer roller. **3** If you still have the problem, replace the fuser.
Streaked horizontal lines 	The print cartridges, the transfer roller, image transfer unit, or fuser may be defective, empty, or worn.	Replace the print cartridge, the transfer roller, the image transfer unit, or fuser as needed.
Streaked vertical lines 	• Toner is smeared before fusing to the paper. • The print cartridge is defective.	• If paper is stiff, try feeding from another tray. • Replace the color print cartridge causing the streaks.

Symptom	Cause	Solution
Print irregularities  	• Paper has absorbed moisture due to high humidity. • You are using paper that does not meet the printer specifications. • The image transfer unit and transfer roller are worn or defective. • The fuser is worn or defective.	• Load paper from a fresh package in the paper tray. • Avoid textured paper with rough finishes. • Make sure the printer's paper type setting matches the type of paper you are using. • Replace the image transfer unit and transfer roller. • Replace the fuser.
Print too light	• The Toner Darkness setting is too light. • You are using paper that does not meet the printer specifications. • The print cartridges are low on toner. • The print cartridges are defective or have been installed in more than one printer.	• Select a different Toner Darkness setting from the printer driver before sending the job to print. • Perform a Color Adjust in the Utilities Menu. • Load paper from a new package. • Avoid textured paper with rough finishes. • Make sure the paper you load in the trays is not damp. • Replace the print cartridges.
Print too dark	• The Toner Darkness setting is too dark. • The print cartridges are defective.	• Select a different Toner Darkness setting from the printer driver before sending the job to print. • Replace the print cartridges.
Transparency print quality is poor (Print has inappropriate light or dark spots, toner is smeared, horizontal or vertical light bands appear, or color does not project.)	• You are using transparencies that do not meet the printer specifications. • The Paper Type setting for the tray you are using is set to something other than transparency.	• Use only transparencies recommended by the printer's manufacturer. • Make sure the Paper Type setting is set to transparency.
Toner specks	• The print cartridges are defective. • The transfer roller is worn or defective. • The image transfer unit is worn or defective. • The fuser is worn or defective. • Toner is in the paper path.	• Replace the print cartridges. • Replace the transfer roller. • Replace the image transfer unit. • Replace the fuser. • Call for service.

Symptom	Cause	Solution
Toner rubs off the paper easily when you handle the sheets.	• The Texture setting is wrong for the type of paper or specialty media you are using. • The Weight setting is wrong for the type of paper or specialty media you are using. • The fuser is worn or defective.	• Change Paper Texture from Normal to Smooth or Rough. • Change Paper Weight from Plain to CardStock (or other appropriate weight). • Replace the fuser.
Gray background 	• The Toner Darkness setting is too dark. • The print cartridges are defective.	• Select a different Toner Darkness setting from the printer driver before sending the job to print. • Replace the print cartridges.
Uneven print density 	• The print cartridges are defective. • The transfer roller is worn or defective. • The image transfer unit is worn or defective.	• Replace the print cartridges. • Replace the transfer roller. • Replace the image transfer unit.
Ghost Images 	Toner level is low in the print cartridges.	• Make sure the Paper Type setting is correct for the paper or specialty media you are using. • Replace the print cartridges.
Clipped images (Some of the print is cut off on the sides, top, or bottom of the paper.)	Guides in the selected tray are set for a different size paper than what is loaded in the tray.	Move the guides in the tray to the proper positions for the size loaded.
Incorrect margins	• Guides in the selected tray are set for a different size paper than what is loaded in the tray. • Auto size sensing is set to **off**, but you loaded a different size paper in a tray. For example, you inserted A4 size paper into the selected tray but did not set the Paper Size to A4.	• Move the guides in the tray to the proper positions for the size loaded. • Set the Paper Size to A4.

Symptom	Cause	Solution
Skewed print (Print is inappropriately slanted.)	Guides in the selected tray are not in the correct position for the paper size loaded in the tray.	Move the guides in the tray to the proper positions for the size loaded.
Blank pages	• An incorrect media type is loaded in the tray being printed from or the Paper Type setting does not match the type of media loaded in the tray. • The print cartridges are defective or empty. • The transfer roller is defective. • The image transfer unit is defective.	• Load the correct type media for your print job or make sure the Paper Type setting is correct for the paper or specialty media you are using. • Replace the print cartridges. • Replace the transfer roller. • Replace the image transfer unit.
Solid color pages	• The print cartridges are defective. • Your printer requires servicing.	• Replace the print cartridges. • Call for service.
The paper curls badly once it prints and exits to a bin.	The Texture setting is wrong for the type of paper or specialty media you are using.	Change Paper Texture from Rough to Normal or Smooth.

Solving color quality problems

This section helps answer some basic color-related questions and describes how some of the features provided in the Color Menu can be used to solve typical color problems.

Note: You should also read “Solving print quality problems” on page 142, which provides solutions for common print quality problems, some of which may affect the color quality of the printed output.

Frequently asked questions (FAQ) about color printing

What is RGB color?

Red, green, and blue light can be added together in various amounts to produce a large range of colors observed in nature. For example, red and green light can be combined to create yellow light. Televisions and computer monitors create colors in this manner. RGB color is a method of describing colors by indicating the amount of red, green, and blue light needed to reproduce a particular color.

What is CMYK color?

Cyan, magenta, yellow, and black inks or toners can be printed in various amounts to produce a large range of colors observed in nature. For example, cyan and yellow can be combined to create green. Printing presses, inkjet printers, and color laser printers create colors in this manner. CMYK color is a method of describing colors by indicating the amount of cyan, magenta, yellow, and black needed to reproduce a particular color.

How is color specified in a document to be printed?

Software applications typically specify document color using RGB or CMYK color combinations. Additionally, they commonly let users modify the color of each object in a document. Since the procedures to modify colors vary depending upon the application, refer to the software application's Help section for instruction.

How does the printer know what color to print?

When a user prints a document, information describing the type and color of each object in the document is sent to the printer. The color information is passed through color conversion tables that translate the color into appropriate amounts of cyan, magenta, yellow, and black toner needed to produce the desired color. The object type information lets different color conversion tables be used for different types of objects. For example, it is possible to apply one type of color conversion table to text while applying a different color conversion table to photographic images.

Should I use the PostScript or PCL driver for the best color? What driver settings should I use for the best color?

The PostScript driver is strongly recommended for best color quality. The default settings in the PostScript driver provide preferred color quality for the majority of printouts.

Why doesn't the printed color match the color I see on my computer screen?

The color conversion tables used in Auto **Color Correction** mode generally approximate the colors of a standard computer monitor. However, because of technology differences that exist between printers and monitors there are many colors that can be generated on a computer screen that cannot be physically reproduced on a color laser printer. Color match can also be affected by monitor variations and lighting conditions. Read the response to the question **"How can I match a particular color (such as a color in a corporate logo)?"** on page 148 for recommendations on how the printer's Color Samples pages may be useful in solving certain color matching problems.

The printed page appears tinted. Can I slightly adjust the color?

Sometimes a user may consider printed pages to appear tinted (for example, everything printed seems to be too red). This can be caused by environmental conditions, paper type, lighting conditions, or simply user preference. In these instances, **Color Balance** may be used to create more preferable color. Color Balance provides the user with the ability to make subtle adjustments to the amount of toner being used in each color plane. Selecting positive (or negative) values for cyan, magenta, yellow, and black under the Color Balance menu will slightly increase (or decrease) the amount of toner used for the chosen color. For example if a user believes the overall printed page to be too red, then decreases to both magenta and yellow could potentially improve color preference.

Is it possible to increase the gloss in the printed output?

Obtain additional gloss by printing using the 1200 dpi **Print Resolution** setting.

My color transparencies seem dark when projected. Is there anything I can do to improve the color?

This problem most commonly occurs when projecting transparencies with reflective overhead projectors. To obtain the highest projected color quality, transmissive overhead projectors are recommended. If a reflective projector must be used, then adjusting **Toner Darkness** settings to 1, 2 or 3 will lighten the transparency.

What is Manual Color Correction?

The color conversion tables applied to each object on the printed page when using the default Auto **Color Correction** setting generate preferred color for the majority of documents. Occasionally a user may want to apply a different color table mapping. This customization is accomplished using the Manual Color menu and the Manual Color Correction setting.

Manual Color Correction applies the RGB and CMYK color conversion table mappings as defined in the Manual Color menu. Users may select any of four different color conversion tables available for RGB objects (sRGB Display, sRGB Vivid, Vivid, and Off) and any of four different color conversion tables available for CMYK objects (US CMYK, Euro CMYK, Vivid CMYK, and Off).

Note: The Manual Color Correction setting is not useful if the software application does not specify colors with RGB or CMYK combinations, or in certain situations where the software application or the computer's operating system adjusts the colors specified in the application through color management.

How can I match a particular color (such as a color in a corporate logo)?

Occasionally users have a need for the printed color of a particular object to closely match a specific color of interest. A typical example of this is when a user is trying to match the color of a corporate logo. While instances can occur in which the printer cannot exactly reproduce the desired color, users should be able to identify adequate color matches for the majority of cases. The **Color Samples** menu items can provide useful information in helping to solve this particular type of color matching problem.

The eight Color Samples options correspond to color conversion tables in the printer. Selecting any of the Color Samples options will generate a multi-page printout consisting of hundreds of colored boxes. Either a CMYK or RGB combination will be located on each box depending upon the table selected. The observed color of each box is obtained by passing the CMYK or RGB combination labeled on the box through the selected color conversion table.

The user can scan the color samples pages and identify the box whose color is the closest to the desired color. The color combination labeled on the box can then be used for modifying the color of the object in a software application. The software application's Help section should provide instructions for modifying an object's color. Manual **Color Correction** may be necessary to utilize the selected color conversion table for the particular object.

Which Color Samples pages to use for a particular color matching problem depends upon the Color Correction setting being used (Auto, Off, or Manual), the type of object being printed (text, graphics, or images), and how the color of the object is specified in the software application (RGB or CMYK combinations). The following table identifies which Color Samples pages to use:

Color specification of object being printed	Classification of object being printed	Printer Color Correction setting	Color Samples pages to print and use for color matching
RGB	Text	Auto	sRGB Vivid
		Off	Off - RGB
		Manual	Manual Color RGB Text Setting
	Graphic	Auto	sRGB Vivid
		Off	Off - RGB
		Manual	Manual Color RGB Graphics Setting
	Image	Auto	sRGB Display
		Off	Off - RGB
		Manual	Manual Color RGB Image Setting
CMYK	Text	Auto	US CMYK
		Off	Off - CMYK
		Manual	Manual Color CMYK Text Setting
	Graphic	Auto	US CMYK
		Off	Off - CMYK
		Manual	Manual Color CMYK Graphics Setting
	Image	Auto	US CMYK
		Off	Off - CMYK
		Manual	Manual Color CMYK Image Setting

Note: The Color Samples pages are not useful if the software application does not specify colors with RGB or CMYK combinations. Additionally, certain situations exist where the software application or the computer's operating system will adjust the RGB or CMYK combinations specified in the application through color management. The resulting printed color may not be an exact match of the Color Samples pages.

Restoring factory default settings

1. Make sure the printer is on and the **Ready** message appears.
2. Press **Menu** until you see Utilities Menu, and then press **Select**.
3. Press **Menu** until you see Factory Defaults, and then press **Select**.
4. When Restore appears, press **Select**. The message **Restoring Factory Defaults** appears, followed by the **Ready** message.

   When you select Restore:

   - No other button actions are available on the operator panel while **Restoring Factory Defaults** appears.
   - All downloaded resources (fonts, macros, and symbol sets) in printer memory (RAM) are deleted. (Resources residing in flash memory or on the optional hard disk are unaffected.)
   - All menu settings are returned to the factory default values, except:
     - The operator panel Display Language setting in the Setup Menu.
     - All settings in the Parallel Menu, Serial Menu, Network Menu, and USB Menu.

If you need more information about changing menu settings or selecting new user default settings, see **Changing menu settings**.

Aligning the image transfer unit

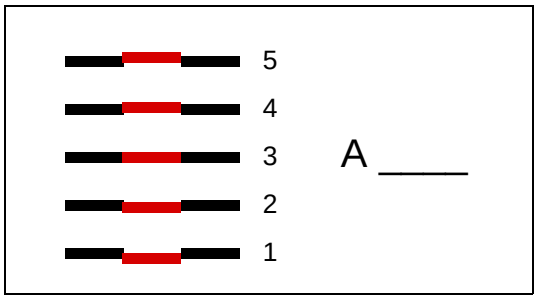
For best print quality, make sure you align the image transfer unit after replacement or if colors print too lightly.

To align the image transfer unit:

1. Make sure the printer is on and the **Ready** message appears.
2. Press **Menu** until you see Utilities Menu, and then press **Select**.
3. Press **Menu** until you see Color Alignment, and then press **Select.**

   Several test pages print.
4. For each alignment group on the test pages, locate the number next to the alignment pattern that comes closest to forming a perfectly straight line.

   For example, in this sample group, pattern 3 comes closest to forming a straight line.



   It is helpful to write all twelve alignment values in the lines provided on the test pages before going on to step 5. You must select a value for all twelve settings.
5. When you see **A=10** (or other number), press **Menu** until you find the number value you want to use, and then press **Select**. A **Saved** message briefly appears and then the next test alignment is displayed.

   If no changes are necessary, press **Return** to return to the Utilities Menu.
6. After you have completed all twelve settings, Utilities Menu appears. Press **Go**.

   The printer returns to the Ready state.

Using the Coverage Estimator

The Coverage Estimator provides you with an estimate of the percent coverage of cyan, magenta, yellow, and black toner on a page. These estimates are printed on the page.

To turn on the Coverage Estimator utility:

1. Make sure the printer is on and the **Ready** message appears.
2. Press **Menu** until you see Utilities Menu, and then press **Select**.
3. Press **Menu** until you see Coverage Estimator, and then press **Select**.
4. Press **Menu** until you see On, and then press **Select**.
5. Press **Go** to return to the **Ready** message.

   The utility can be turned off from the operator panel or by turning the printer off.

The Coverage Estimator utilizes an algorithm that counts pixels for each toner color: black, cyan, magenta, and yellow. Once the utility is turned on, the printer prints the percent coverage for each color on each page of the job.

The Coverage Estimator is only intended to estimate the coverage on a given page. For all toner colors that are used, the minimum percentage that prints is 2 percent. Reported values may vary from printer to printer. The accuracy of the estimates may be affected by how full the print cartridges are, environmental conditions, the media type, the software application, software settings, the driver, driver settings, and the content of the page. *Lexmark makes no claim as to the accuracy of the estimated percents.*

Configuring printer alerts

You can configure the printer several ways to let you know when it requires attention.

Using the Setup Menu

Menu item	Function	Value	Result
Alarm Control	Lets you establish whether the printer sounds an alarm when it requires operator intervention.	Off	The alarm does not sound, but printing stops until the interventions are cleared.*
		Single	The printer stops printing, displays a message, and activates the selected alarm type.
		Continuous	
Toner Alarm	Lets you choose how the printer responds when toner is low.	Off	The printer displays a message and continues printing.
		Single	The printer stops printing, displays a message, and activates the selected alarm type.
		Continuous	

* If multiple attendance conditions are pending, the alarm only sounds when the first message is displayed. No additional alarms sound as subsequent attendance conditions arise.

Selecting **Auto Continue** may affect how the printer alerts execute. This setting defines how long the printer waits after displaying a message before it resumes printing.

Using MarkVision Professional

MarkVision™ Professional, Lexmark's network printer management utility, indicates when it is time to replace supplies and points out actual or potential problems. When a printer needs attention, it alerts the network administrator with a detailed graphic of the printer showing the cause for the alert (for example, an empty paper tray). For more information about MarkVision Professional, refer to the drivers CD that shipped with your printer.

Using MarkVision Messenger

MarkVision Messenger lets you create Actions that execute specific commands whenever messages like **`Tray x Missing`** or **`88 Toner Low`** appear on the display. For example, you can create an Action that sends an e-mail to the administrator when the printer runs out of paper.

Actions can be set up to occur automatically, as well as conditionally or repeatedly. For more information about MarkVision Messenger, refer to the drivers CD that shipped with your printer.

Size sensing

The Size Sensing menu item lets you disable or enable auto size sensing on trays. Size Sensing also lets the printer detect the difference between similar paper sizes that it otherwise cannot.

Size sensing is on by default for all the trays. However, the trays cannot automatically sense transparencies.

Disabling size sensing

1. Turn the printer off.
2. Press and hold the **Select** and **Return** buttons, and then turn the printer on.
3. Release the buttons when **`Performing Self Test`** appears on the display.

   When the printer self test completes, Config Menu appears.
4. Press **Menu** until you see Size Sensing, and then press **Select**.

   Note: Only paper trays that support auto size sensing are displayed on the operator panel.
5. Press **Menu** until you see Tray <x> Sensing, where <x> represents the number of the tray for which you want to disable size sensing, and then press **Select**.

   Repeat for other trays, if necessary.
6. Press **Menu** until you see Off, and then press **Select**.

   Saved briefly appears. Config Menu appears again with Size Sensing on the second line.
7. Press **Return**.
8. Press **Menu** until you see Exit Config Menu, and then press **Select**.

   `Activating Menu Changes` briefly appears, followed by **`Performing Self Test`**. The printer returns to the **Ready** message.

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