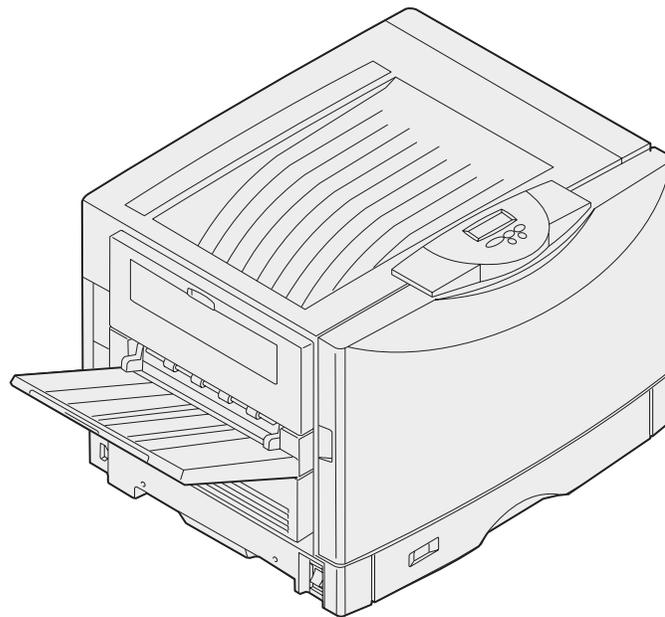




C912

User's Reference



March 2002

Edition notice

March 2003

The following paragraph does not apply to any country/region where such provisions are inconsistent with local law: LEXMARK INTERNATIONAL, INC., PROVIDES THIS PUBLICATION “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions; therefore, this statement may not apply to you.

This publication could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in later editions. Improvements or changes in the products or the programs described may be made at any time.

Comments about this publication may be addressed to Lexmark International, Inc., Department F95/032-2, 740 West New Circle Road, Lexington, Kentucky 40550, U.S.A. In the United Kingdom and Eire, send to Lexmark International Ltd., Marketing and Services Department, Westhorpe House, Westhorpe, Marlow Bucks SL7 3RQ. Lexmark may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you. You can purchase additional copies of publications related to this product by calling 1-800-553-9727. In the United Kingdom and Eire, call 0628-481500. In other countries/regions, contact your point of purchase.

References in this publication to products, programs, or services do not imply that the manufacturer intends to make these available in all countries/regions in which it operates. Any reference to a product, program, or service is not intended to state or imply that only that product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any existing intellectual property right may be used instead. Evaluation and verification of operation in conjunction with other products, programs, or services, except those expressly designated by the manufacturer, are the user's responsibility.

**© 2003 Lexmark International, Inc.
All rights reserved.**

UNITED STATES GOVERNMENT RESTRICTED RIGHTS

This software and any accompanying documentation provided under this agreement are commercial computer software and documentation developed exclusively at private expense.

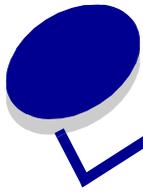
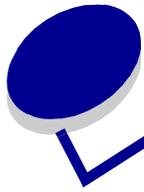


Table of Contents

Notices	1
Trademarks	1
Licensing notice	2
Cautions and warnings	3
Safety information	3
Electronic emission notices	3
Noise emission levels	5
Energy Star	5
Chapter 1: Printer overview	6
Print speed	7
Memory	7
Paper handling	7
Chapter 2: Printing	8
Understanding the operator panel	9
Sending a job to print	12
Canceling a print job	13
Loading a paper tray	13
Loading paper	14
Loading other paper sizes	17
Loading the multipurpose feeder	18
Using the Print and Hold function	25
Printing confidential jobs	27
Printing with custom size specialty media	28
Tips for successful printing	33
Understanding fonts	34
Chapter 3: Media guidelines	42
Paper	43
Transparencies	45
Envelopes	45
Labels	46

Card stock	46
Chapter 4: Using printer menus	48
Disabling operator panel menus	49
Enabling operator panel menus	49
Color Menu	50
Finishing Menu	52
Infrared Menu	55
Job Menu	57
Network Menu	59
Parallel Menu	61
PCL Emul Menu	63
Paper Menu	66
Fax Menu	73
PostScript Menu	79
Serial Menu	80
Setup Menu	83
Supplies Menu	88
USB Menu	90
Utilities Menu	91
Chapter 5: Understanding printer messages	94
Chapter 6: Clearing paper jams	112
200 Paper Jam <x> Pages Jammed (Check Areas A-F, T1-5, MPF)	113
240 Paper Jam Check MP Feeder	129
24<x> Paper Jam Check Tray <x>	130
Chapter 7: Maintenance	134
Determining supply status	134
Conserving supplies	134
Ordering supplies	136
Replacing supplies	137
Storing supplies	138
Recycling used supplies	138
Replacing a photodeveloper	139
Replacing the fuser	143
Replacing the oil coating roll	152
Replacing the transfer belt	156

Replacing a toner cartridge	165
Resetting the maintenance counter	170
Cleaning the LEDs	173
Closing the top cover	175
Opening the top cover	177
Removing the duplex unit	179
Removing the high capacity feeder	181
Removing the system board access cover	184
Locating memory and network options	185
Installing the system board access cover	185
Removing an optional drawer	187
Chapter 8: Troubleshooting	189
Calling for service	189
Index	192



Notices

Trademarks

Lexmark, Lexmark with diamond design, FontVision and MarkVision are trademarks of Lexmark International, Inc., registered in the United States and/or other countries/regions.

ImageQuick and OptralImage are trademarks of Lexmark International, Inc.

Operation ReSource is a service mark of Lexmark International, Inc.

PCL® is a registered trademark of the Hewlett-Packard Company. PCL is Hewlett-Packard Company's designation of a set of printer commands (language) and functions included in its printer products. This printer is intended to be compatible with the PCL language. This means the printer recognizes PCL commands used in various application programs, and that the printer emulates the functions corresponding to the commands.

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*.

The following terms are trademarks or registered trademarks of these companies:

Albertus	The Monotype Corporation plc
Antique Olive	Monsieur Marcel OLIVE
Apple-Chancery	Apple Computer, Inc.
Arial	The Monotype Corporation plc
Candid	Agfa Corporation
CG Omega	Product of Agfa Corporation
CG Times	Based on Times New Roman under license from The Monotype Corporation plc, is a product of Agfa Corporation
Chicago	Apple Computer, Inc.
Clarendon	Linotype-Hell AG and/or its subsidiaries
Eurostile	Nebiolo
Geneva	Apple Computer, Inc.
GillSans	The Monotype Corporation plc

Helvetica	Linotype-Hell AG and/or its subsidiaries
Hoefler	Jonathan Hoefler Type Foundry
ITC Avant Garde Gothic	International Typeface Corporation
ITC Bookman	International Typeface Corporation
ITC Lubalin Graph	International Typeface Corporation
ITC Mona Lisa	International Typeface Corporation
ITC Zapf Chancery	International Typeface Corporation
Joanna	The Monotype Corporation plc
Marigold	Arthur Baker
Monaco	Apple Computer, Inc.
New York	Apple Computer, Inc.
Oxford	Arthur Baker
Palatino	Linotype-Hell AG and/or its subsidiaries
Stempel Garamond	Linotype-Hell AG and/or its subsidiaries
Taffy	Agfa Corporation
Times New Roman	The Monotype Corporation plc
TrueType	Apple Computer, Inc.
Univers	Linotype-Hell AG and/or its subsidiaries
Wingdings	Microsoft Corporation

Other trademarks are the property of their respective owners.

Licensing notice

The printer resident software contains:

- Software developed and copyrighted by Lexmark
- Lexmark modified software licensed under the provisions of the GNU General Public License version 2 and the GNU Lesser General Public License version 2.1
- Software licensed under the BSD license and warranty statements

Click the title of the document you want to review:

- **[BSD License and Warranty statements](#)**
- **[GNU General Public License](#)**

The Lexmark modified GNU licensed software is free software; you can redistribute it and/or modify it under the terms of the licenses referenced above. These licenses do not provide you any rights to the Lexmark copyrighted software in this printer.

Since the GNU licensed software that the Lexmark modifications are based upon is supplied explicitly without warranty, use of the Lexmark modified version is similarly provided without warranty. See the warranty disclaimers in the referenced licenses for additional details.

To obtain source code files for the Lexmark modified GNU licensed software, launch the drivers CD that shipped with your printer and click Contact Lexmark.

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.

Safety information

- Connect the power cord to a properly grounded electrical outlet that is near the product and easily accessible.
- 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.

CAUTION: Do not use the fax feature during a lightning storm.

CAUTION: Do not set up this product or make any electrical/cabling connections (power cord, telephone, and so on) during a lightning storm.

Electronic emission notices

Federal Communications Commission (FCC) compliance information statement

This printer 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. 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 d'Industrie 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

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 A limits of EN 55022 and safety requirements of EN 60950.

Warning: 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

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラス A 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

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.

Printing	58 dBA
Idling	48 dBA

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.

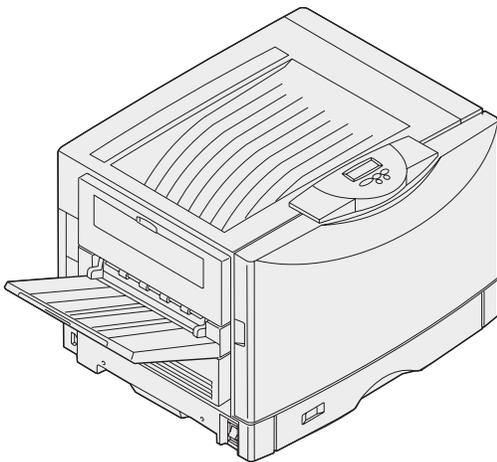
As an ENERGY STAR Partner, Lexmark International, Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

1

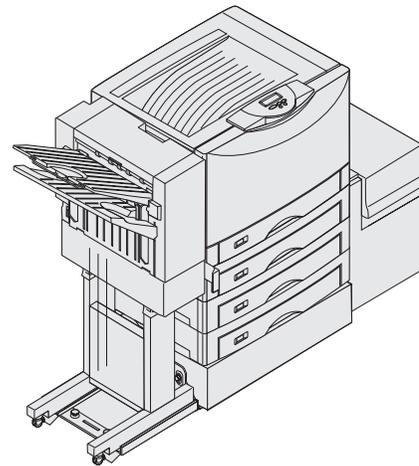
Printer overview

The following illustrations show a standard model configuration and a fully configured network printer (without the optional staple punch finisher). If you have attached paper handling options to your printer, it may look more like the fully configured model. For information on other possible configurations, refer to the *Setup Guide*.

Standard model configuration



Fully configured



This printer is a network color printer that uses electrophotographic technology to deliver high quality images, presentation graphics, line art, and text. Its fast output—up to 28 pages per minute (ppm) for both four-color and monochrome print jobs—makes it the ideal solution for businesses where performance is critical.

The printer's flexible design allows it to support a variety of printing needs. For example, the “toner darkness” settings lets you conserve toner when maximum print quality is not necessary. You can also adjust the printed colors to more closely represent the colors on your computer display.

A variety of connectivity options make the printer an excellent choice for all types of system environments. You can attach one internal adapter to support network configurations requiring Ethernet, Token-Ring, LocalTalk, serial, infrared, or additional parallel ports. You can even attach a class 1 fax modem to the optional serial port and receive faxes directly to your printer.

The printer also offers flexible paper handling. It supports a wide variety of paper sizes, from A5 to A3, Banner (11.7 x 36 in.), and 12 x 18 in., and has a standard multipurpose feeder that makes it easy to print on envelopes, transparencies, labels, card stock, glossy, and non-standard size paper. You can add up to three optional drawers to the base printer, which can increase the printer's paper

capacity to 2300 sheets. You can also add an optional high capacity feeder making the total paper capacity 5300 sheets. A finisher that offers staple, hole-punch, and job offset options is also available to give you a more professional and efficient output.

Print speed

Your printer can print four-color and mono jobs at up to 28 ppm. With all printers, print speed varies depending on specific characteristics of the job, such as the size of the formatted page, the number of fonts, the number and complexity of images and graphics, and so on. Printing a mix of color and mono jobs may also slow printing, depending on the printer settings you have chosen.

Memory

Your printer ships with at least 128MB of memory for fast, efficient processing of color jobs. (Network and other models may ship with more memory.)

You can install an optional hard disk for storing downloaded resources and job statistics, and for spooling or collating print jobs. Resources stored in flash memory or on disk are retained in memory even after the printer is turned off and back on.

Lexmark recognizes that there are third party suppliers of memory features for Lexmark products. Lexmark does not recommend, test, or support third party memory features. We cannot guarantee their reliability, accuracy, or compatibility. Any damage to a Lexmark product caused by third party memory is not covered by the product's warranty. Lexmark may require that all third party features be removed before a product is supported or serviced.

Paper handling

The printer comes equipped with a 550-sheet paper tray and a multipurpose feeder. (Some models may ship with a second 550-sheet tray.) The multipurpose feeder lets you load a stack of envelopes, transparencies, labels, card stock, glossy or heavier papers for multiple-page jobs. To increase paper feeding capacity, you can attach up to three optional drawers, each with a 550-sheet tray, and one optional 3000-sheet high capacity feeder.

2 Printing

This section contains information about understanding the operator panel, changing printer settings, and understanding operator panel menus.

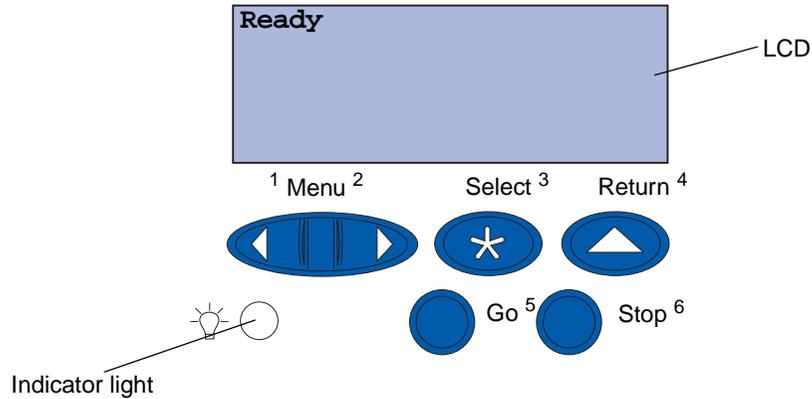
You can change most printer settings from your software program or printer driver. Settings you change from the application or printer driver apply only to the job you are preparing to send to the printer.

Changes made to printer settings from a software program override changes made from the operator panel.

If you cannot change a setting from your program, use the operator panel or the remote operator panel available from MarkVision™ Professional. Changing a printer setting from the operator panel or from MarkVision Professional makes that setting the user default. Refer to the drivers CD for information about MarkVision Professional.

Understanding the operator panel

The printer operator panel has a two line by 16-character liquid crystal display (LCD), five buttons, and one indicator light.



Indicator light

The indicator light gives information about the status of your printer. If the light is:

- Off, the printer is off
- On, the printer is on, but idle
- Blinking, the printer is on and is busy

Using the operator panel buttons

Use the five operator panel buttons to open a menu, scroll through a list of values, change printer settings, and respond to printer messages.

The numbers 1 through 6 appear beside the operator panel buttons; these numbers are used to enter personal identification numbers (PIN) for Print and Hold jobs. For more information, see [Using the Print and Hold function](#).

Printing

The following information describes the functions of each button.

Note: Buttons act upon the information displayed on the second line of the operator panel.

Go	<p>Press the Go button to:</p> <ul style="list-style-type: none">• Return to the Ready state if the printer is in an offline situation (the Ready message does not display on the operator panel).• Exit printer menus and return to the Ready state.• Clear operator panel error messages. <p>If you've 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.</p>
Menu	<p>Each end of the button has a function. Press Menu:</p> <ul style="list-style-type: none">• When Ready is displayed, to take the printer offline (out of the Ready state) and scroll through the menus.• When Busy is displayed, to take the printer to the Job Menu.• When the printer is offline, press Menu> to scroll through the menus.• Press <Menu to go to the previous item in the menus. <p>For menu items with numeric values, such as Copies, press and hold Menu to scroll through the values. Release the button when the number you want is displayed.</p>
Select	<p>Press Select to:</p> <ul style="list-style-type: none">• Select the menu displayed on the second line of the operator panel. Depending on the type of menu, this action:• Opens the menu and displays the first item in the menu.• Opens the menu item and displays the default setting.• Save the displayed menu item as the default setting. The printer displays the Saved message and returns to the menu item.• Clear certain messages from the operator panel.
Return	<p>Press Return to return to the previous menu level or menu item.</p>
Stop	<p>Press Stop at the Ready, Busy, or Waiting message to temporarily stop all activity and take the printer offline. The operator panel status message changes to Not Ready.</p> <p>Press Go to return the printer to Ready, Busy, or Waiting.</p>

Changing printer settings

From the operator panel, you can select menu items and associated values to print your jobs successfully. You can also use the panel to alter the setup and operating environment of the printer. See [Using printer menus](#) for an explanation of all the menu items.

You can modify printer settings by:

- Selecting a setting from a list of values
- Changing an On/Off setting
- Changing a numerical setting

To select a new value as a setting:

- 1 From a **Ready** status message, press **Menu**. The menu names appear.
- 2 Continue to press and release **Menu** until you see the menu you need.
- 3 Press **Select** to select the menu or menu item displayed on the second line of the display.
 - If the selection is a menu, the menu opens and the first printer setting in the menu appears.
 - If the selection is a menu item, the default setting for the menu item appears. (The current user default setting has an asterisk [*] beside it.)

Each menu item has a list of values for the menu item. A value can be:

- A phrase or word to describe a setting
 - A numerical value that can be changed
 - An On or Off setting
- 4 Press **Menu** to move to the value you need.
 - 5 Press **Select** to select the value on the second line of the operator panel. An asterisk appears beside the value to indicate that it is now the user default setting. The new setting appears for one second, clears, displays the word **saved**, and then displays the previous list of menu items.
 - 6 Press **Return** to go back to previous menus. Make additional menu selections to set new default settings. Press **Go** if this is the last setting to change.

User default settings remain in effect until you save new settings or restore the factory defaults. Settings you choose from your software program can also change or override the user default settings you select from the operator panel.

Printing the menu settings page

Complete the following steps to print a list of the current user default settings and installed printer options:

- 1 Make sure the printer power is on and the **Ready** status 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**.

The message **Printing Menu Settings** appears and remains until the page prints. The printer returns to **Ready** when the page or pages finish printing.

If a message appears, 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.

Note: To prevent an electrical overload, plug your printer into a well-grounded outlet on a non-ground fault interrupter (GFI) circuit.

- 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.

The diagram in [Using printer menus](#) shows the menu items in each menu.

An asterisk (*) next to a value indicates the factory default setting. Factory defaults may differ for different countries/regions.

Factory defaults are the function settings in effect the first time you turn your printer on. These remain in effect until you change them. Factory defaults are restored if you select the Restore value for the Factory Defaults menu item in the Utilities menu.

When you select a new setting from the operator panel, the asterisk moves next to the selected setting to identify it as the current user default.

User defaults are the settings you select for different printer functions and store in printer memory. Once stored, these settings remain active until new ones are stored or the factory defaults are restored. See [Changing printer settings](#).

Note: Settings you choose from your software application may override the settings you select from the operator panel.

Menus Disabled

If your printer is configured as a network printer available to a number of users, **Menus Disabled** may appear when you press **Menu** from the **Ready** state. Disabling the menus prevents users from using the operator panel to inadvertently change a printer default that has been set by the person managing the printer. You can still use Print and Hold features, clear messages, and select items from the Job menu when printing a job, but you cannot change other printer settings. You can, however, use your printer driver to override printer defaults and select settings for individual print jobs.

Sending a job to print

- 1 Open the file you want to print.
- 2 From the File menu, choose **Print**.
- 3 Verify that the correct printer is selected in the dialog box.

- 4 Adjust the printer settings according to your need.

The printer settings available are determined by the program that opens your file.

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

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

Canceling a print job

- 1 Press **Menu**.

Job Menu appears on the first line of the display and **Cancel Job** appears on the second line.

- 2 Press **Select**.

Canceling Job briefly appears on the display. The printer finishes printing any page already being printed, and then stops. The printer returns to the **Ready** state.

Loading a paper tray

The printer lets you know when you need to load paper. If a tray has less than 50 sheets of paper, **Tray x Low** appears on the display, where **x** corresponds to a paper tray. Open the tray and load paper to remove the message.

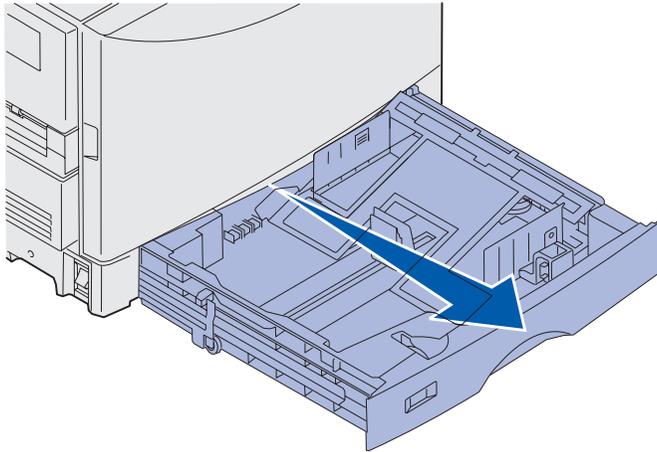
When you change the paper in the tray, make sure the paper guides are in the correct positions. The position of the left paper guide informs the printer of the size of paper loaded in the tray. Feeding paper when the left or front paper guides are not in the correct position may result in misfeeds or paper jams.

If you load a different type of media, see how to change the Paper Type setting in the **Paper Menu**.

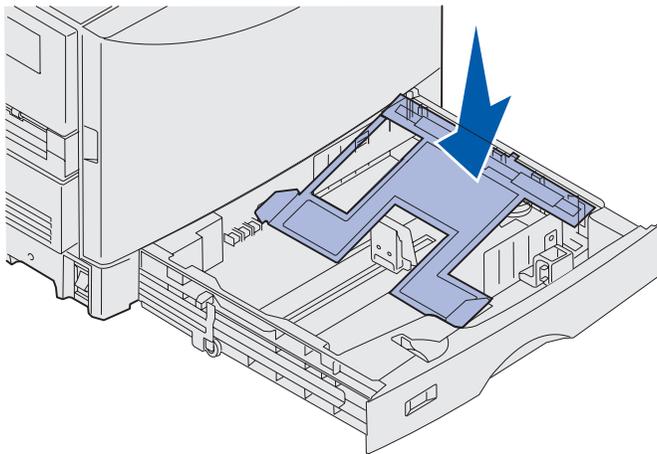
Loading paper

Complete these instructions to load print materials into any of the standard or optional trays.

- 1 Pull the paper tray out until it stops.



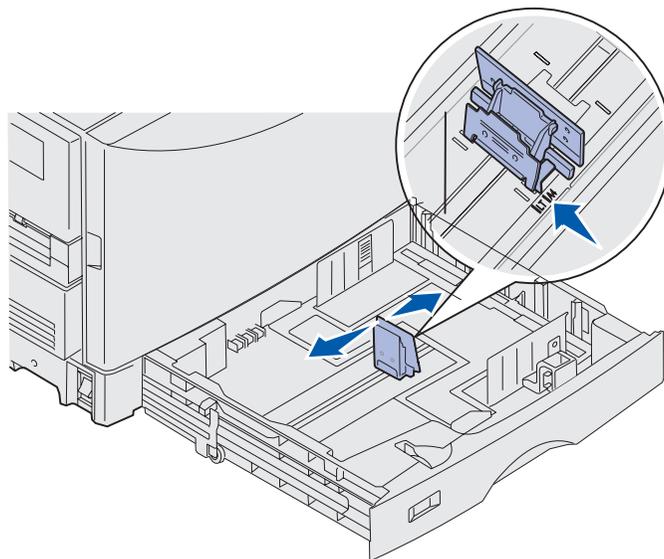
- 2 Press the metal plate down until it locks.



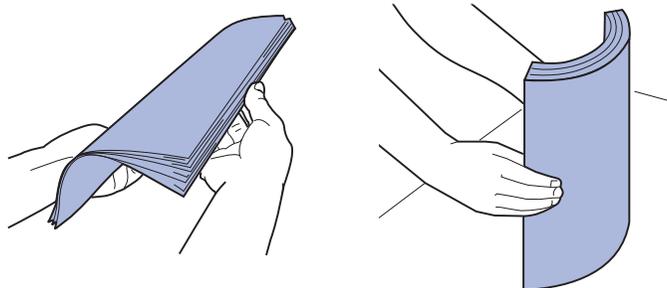
Printing

- 3 Release the left paper guide by squeezing it and sliding it into the position for the size of paper you are loading.

Note: The position of the left paper guide tells the printer the size of the paper in the tray. If the left paper guide is in the wrong position, you may experience paper feeding problems or incorrect page formatting.



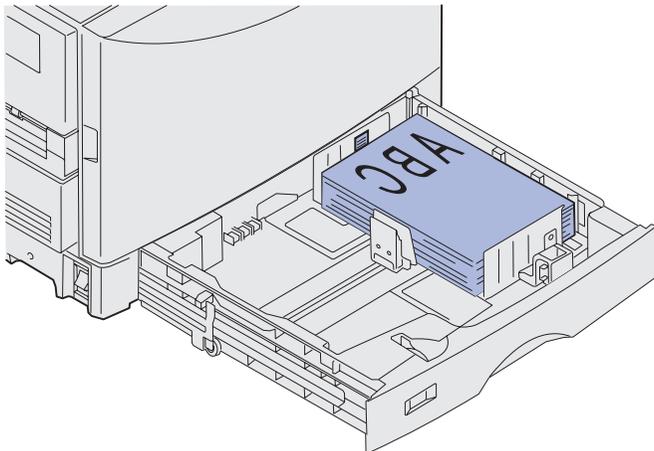
- 4 Flex the sheets back and forth to loosen them, and then fan them.



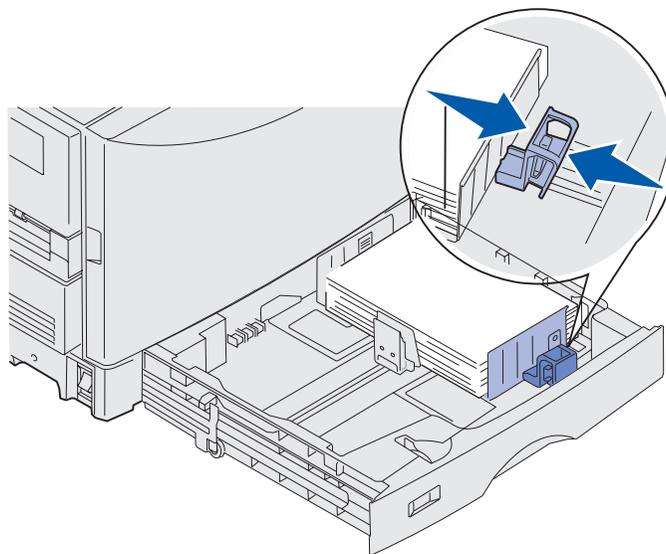
Do not fold or crease the paper. Straighten the edges of the stack on a level surface.

- 5 Place the paper in the tray, print side down.

Note: Do not exceed the maximum stack height for recommended media shown in the stack height table on the *Quick Reference* sheet or in the **Media guidelines**. Overfilling the tray may cause jams.

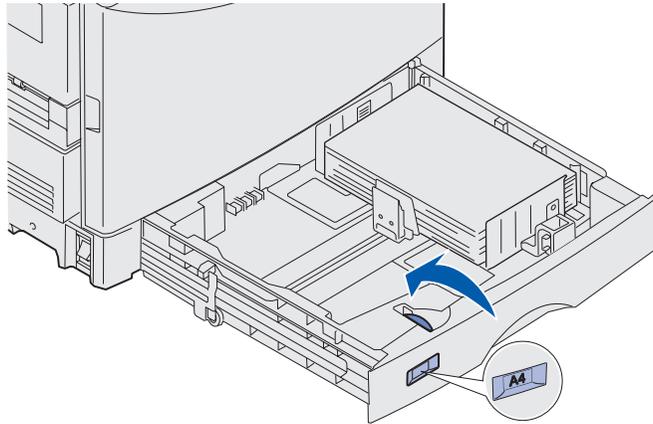


- 6 Squeeze the front paper guide lever and slide the guide until it lightly touches the stack of paper. Make sure the left paper guide is positioned snugly against the stack of paper. If necessary, squeeze and slide the left paper guide until it latches into place against the paper stack.

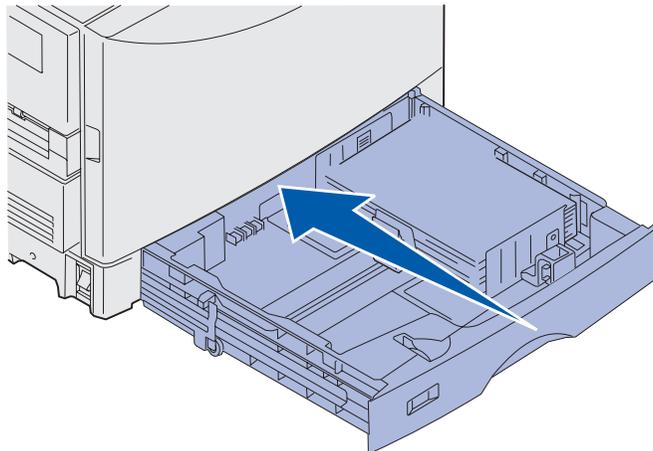


- 7 Rotate the paper size dial until the size of the paper in the tray is indicated.

Note: This setting serves as a visual reminder only; it has no effect on the operation of the printer.



- 8 Push the tray in.



Loading other paper sizes

See [Loading the multipurpose feeder](#) for instructions on loading letterhead in the multipurpose feeder.

Note: Labels and Lexmark transparencies (LTR P/N 12A5940, or A4 P/N 12A5941) may only be fed from the optional Heavy Media Tray. Glossy paper can be fed from any tray.

Loading the multipurpose feeder

The multipurpose feeder can hold several sizes and types of paper, such as transparencies and envelopes. It is useful for single page printing on letterhead, colored paper, or other specialty media. Refer to the *Card Stock & Label Guide* for more information on paper types and sizes.

You can use the multipurpose feeder one of two ways:

- **Paper tray**—Load paper or other print media in the feeder with the intention of leaving the media in the feeder.
- **Manual bypass feeder**—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.

Keep in mind the following capacities, paper dimensions, and operating tips when loading the multipurpose feeder.

Capacity

The maximum stack height is 11 mm (0.4 in.). The multipurpose feeder can hold approximately:

- 100 sheets of 75 g/m² (20 lb.) paper
- 80 sheets of 24 lb. 12x18 paper
- 55 sheets of labels
- 55 sheets of card stock
- 50 transparencies
- 10 envelopes
- 1 sheet of glossy paper (manual feed)
- 1 sheet of banner paper (297.2 x 914.4 mm. [11.7 x 36 in.]), manual feed

Paper dimensions

The multipurpose feeder accepts paper within the following dimensions:

- Width—90 mm (3.54 in.) to 305 mm (12 in.)
- Length—148 mm (5.83 in.) to 914 mm (36 in.)

Trouble-free printing

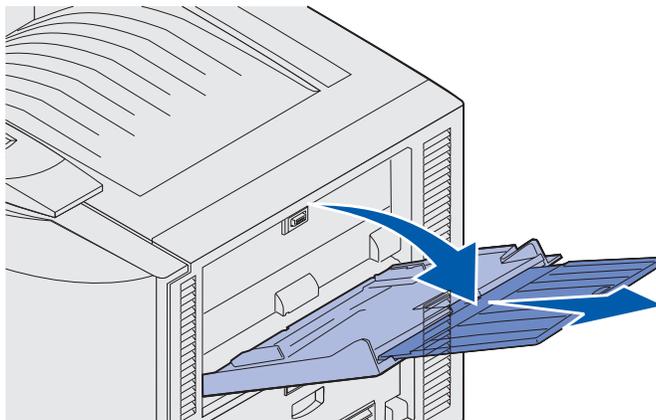
- Load only one size of paper or envelopes at a time in the multipurpose feeder.
- To achieve the best possible print quality, use only high-quality print media that is designed for use in laser printers. For more guidelines on paper, see [Media guidelines](#).
- To prevent paper jams, do not add or remove print media when there is still media in the multipurpose feeder.
- Load media with the recommended print side up.

Printing

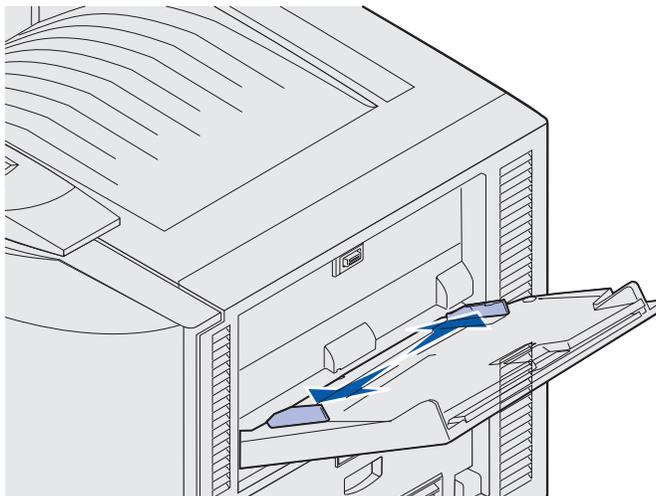
- *Do not* place objects on the multipurpose feeder. Also, avoid pressing down or applying excessive force on it.
- *Do not* remove any paper tray while a job is printing from the multipurpose feeder or **Busy** is displayed on the operator panel. Doing so may cause a jam.

To load the multipurpose feeder:

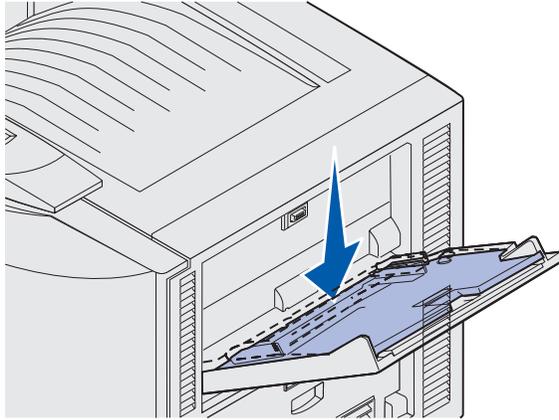
- 1 Open the multipurpose feeder, and then extend the recessed tray to accommodate the paper you want to use.



- 2 Slide the paper width guides to the correct position.

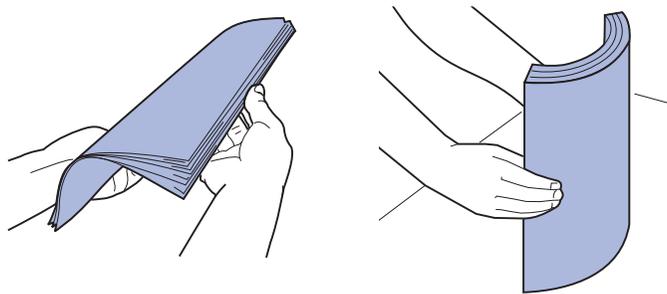


- 3 Push down the bottom plate until it locks into place.

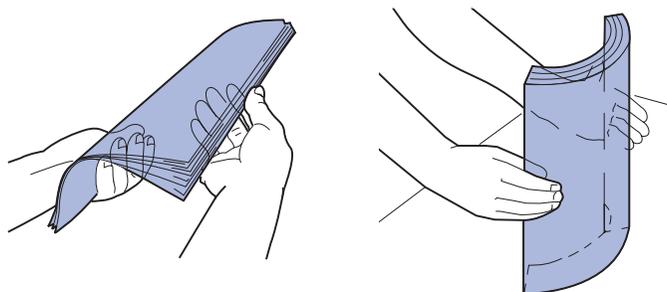


- 4 Prepare the print media for loading.

- Flex paper or fan envelopes back and forth. Do not fold or crease the paper. Straighten the edges on a level surface.



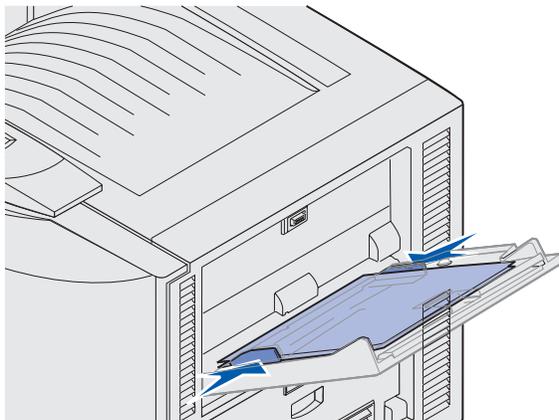
- Hold transparencies by the edges and avoid touching the print side. Fan the stack of transparencies to prevent jams. Be careful not to scratch or leave fingerprints on the transparencies.



- 5 Load one type of print media in the multipurpose feeder. *Do not* mix types. Click a topic for loading instructions:

- [Loading paper, transparencies, labels, and card stock](#)
- [Loading envelopes](#)
- [Loading letterhead](#)

- **Loading paper, transparencies, labels, and card stock**
 - a Load paper, transparencies, labels, and card stock in the center of the tray with the recommended print side face up.

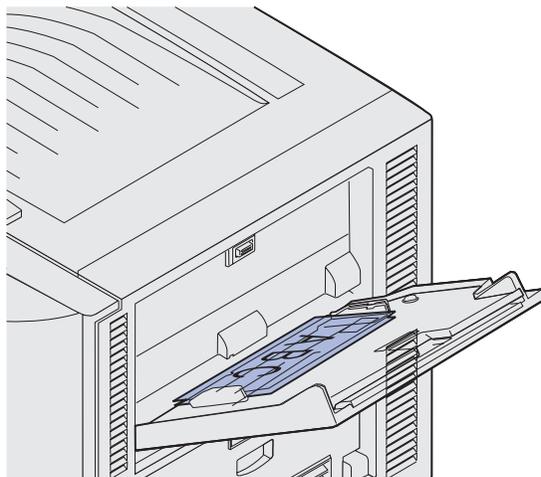


- b Continue with **step 6**.

Loading envelopes

- a Load envelopes flap side down, with the flap closed, and with the return address area on the right. Orient the envelopes so that the edge with the return address and stamp area will enter the multipurpose feeder last.

Warning: Never use envelopes with stamps, clasps, snaps, windows, coated linings, or self-stick adhesives. These envelopes may severely damage the printer.



Note: If envelopes jam while printing, try reducing the number of envelopes in the multipurpose feeder.

- b Continue with **step 6**.

Loading letterhead

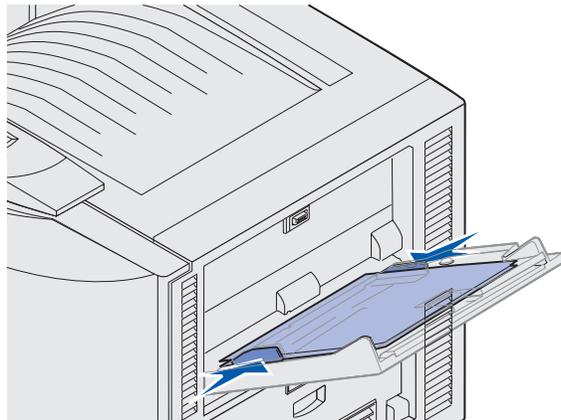
a For both *simplex* (single-sided) and *duplex* (double-sided) printing on letterhead, place the printed side *face up*.

b Continue with **step 6**.

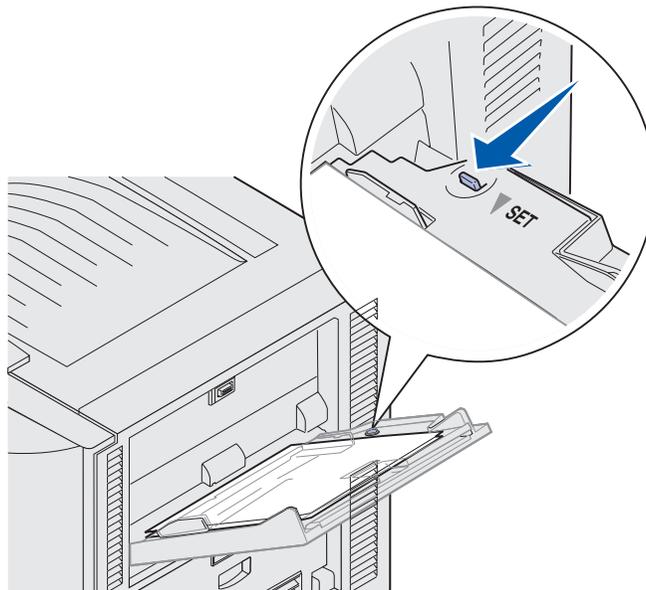
6 Gently slide the print media into the multipurpose feeder.

Note: Forcing the print media may cause a jam.

7 Slide the width guides until they lightly rest against the edges of the print media. *Do not* bend the print media.



8 Push the SET button to the left to unlock the bottom plate.

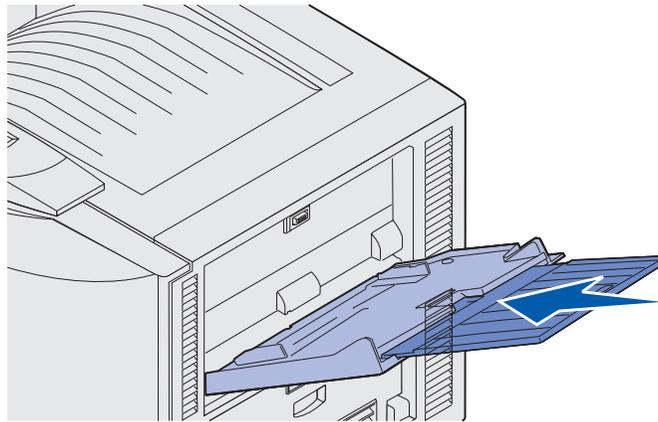


- 9 Select the paper source, size, and type from your software program and select paper size and type from the operator panel.
 - a Make sure the paper size (MP Feeder Size) and paper type (MP Feeder Type) for the multipurpose feeder are set to the correct value for the print media you are loading. (See **Paper** and **Paper Type** for detailed information about these settings.)
 - b Press **Go** to return to **Ready**.

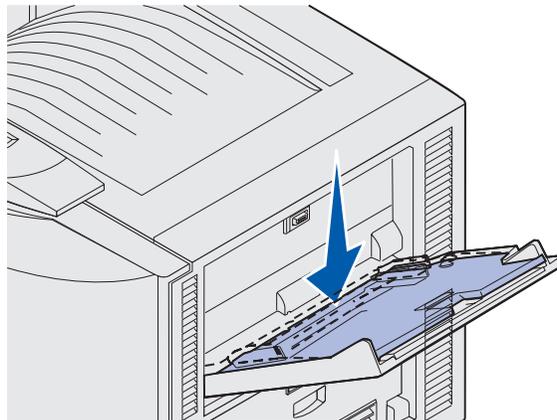
Note: Software settings may override operator panel settings.

Closing the multipurpose feeder

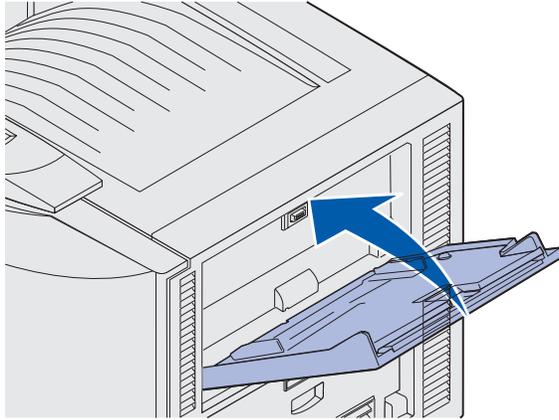
- 1 Remove print media from the multipurpose feeder.
- 2 Push the extended tray in to collapse the multipurpose feeder to its short-length position.



- 3 Push down the bottom plate until it locks into place.



- 4 Close the multipurpose feeder.



Using the Print and Hold function

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.

Printing and deleting held jobs

Once held jobs are stored in printer memory, you can use the 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 [Printing 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 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**.

Note: If you are looking for a Confidential Job, you are prompted to enter your PIN. See [Printing confidential jobs](#) for more information.

- 4 Press **Menu** until the action you want to take appears on the second line of the operator panel (print a job, delete a job, and so on).
- 5 Press **Select**.
 - If you are looking for one particular job, press **Menu** to scroll through the list of jobs available, 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 operator panel, and press **Select**.

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

The printer briefly displays messages indicating what Print and Hold functions it is performing, and then returns to the **Ready** state.

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. 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](#).

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.

Printing confidential jobs

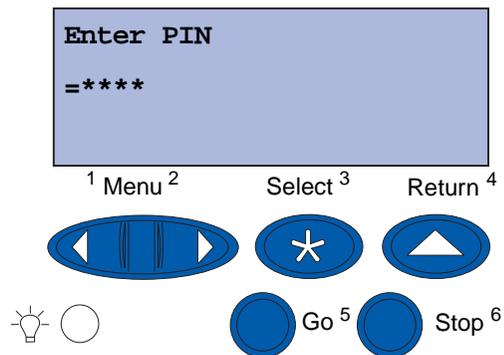
When you send a job to the printer, you can enter a personal identification number (PIN) from the driver. The PIN must be four digits using the numbers 1–6. The job is then held in printer memory until you enter the same four-digit PIN from the operator panel and choose to print or delete the job. This 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.

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 re-enter 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.

Printing with custom size specialty media

Your printer supports a wide range of paper sizes and types, some of which exceed the dimensions of your printer's standard trays. As a result, when printing with media of a special size you must first make the appropriate adjustments to both your printer and your printer's driver.

Step 1: Using the multipurpose feeder

Because some sizes of media do not fit in your printer's normal paper trays, you must use the multipurpose feeder to load the media into your printer.

For detailed instructions on loading custom size media, see [Loading the multipurpose feeder](#).

Step 2: Configuring the operator panel for custom size media

The Universal paper size is the standard setting for custom size media on your printer, using **12x18 in.** as the default dimensions. If you have changed the default settings on your printer or you want to use media of a different size, you must set the Universal paper size to the dimensions that you want to use and make sure that the appropriate unit of measure is selected.

To set the Universal paper size:

- 1 Press **Return** until you see the main menu.
- 2 Press **Menu** until you see **Paper Menu**, and then press **Select**.
- 3 Press **Menu** until you see **Universal Setup**, and then press **Select**.
- 4 Press **Menu** until you see **Portrait Width**, and then press **Select**.
 - For the default settings, if the value displayed is **12 in.**, press **Return**, or press **Menu** to increase or decrease the value to the desired size. Press **Select**.
- 5 Press **Menu** until you see **Portrait Height**, and then press **Select**.
 - For the default settings, if the value displayed is **18 in.**, press **Return**, or press **Menu** to increase or decrease the value to the desired size. Press **Select**.

To set the Unit of Measure:

- 1 From **Universal Setup**, press **Menu** until you see **Units of Measure**, then press **Select**.
- 2 Press **Menu** until the appropriate unit of measure is displayed. If the unit of measure you want is already saved with an asterisk beside it, press **Return** to return to Universal Setup. Otherwise, press **Select** to change the unit of measure.

Once the Universal paper size is set, you must designate **Universal** as the paper size for the multipurpose feeder.

Note: The Multipurpose Feeder (MP Feeder) and Manual Paper are not the same designation.

To set the paper size for the multipurpose feeder:

- 1 Press **Return** until you see the main menu.
- 2 Press **Menu** until you see **Paper Menu**, then press **Select**.
- 3 Press **Menu** until you see **Paper size**, then press **Select**.
- 4 Press **Menu** until you see **MP Feeder size**, and then press **Select**.
- 5 Press **Menu** until you see **Universal**, then press **Select**.
- 6 Press **Return** until you see **Ready**.

If MP Feeder Size is not listed as an option under the Paper Size menu, then you must set the **Configure MP** menu option to **Cassette**. The Configure MP menu is located in the **Paper Menu**.

To set the paper source for the multipurpose feeder:

- 1 Press **Return** until you see the main menu.
- 2 Press **Menu** until you see **Paper Menu**, then press **Select**.
- 3 Press **Menu** until you see **Paper Source**, and then press **Select**.
- 4 Press **Menu** until you see **MP Feeder**, and then press **Select**.
- 5 Press **Return** until you see **Ready**.

Step 3: Configuring your printer's driver

Now that you have configured your printer's operator panel, you must configure your printer's driver on your computer.

For Windows 95/98/Me:

- If you are using a PostScript driver:
 - 1 In your computer, go to **Start** ▶ **Settings** ▶ **Control Panel**.
 - 2 Double-click the **Printers** folder and highlight your printer in the list by clicking it once, then select **File** ▶ **Properties**.
 - 3 Select the **Paper** tab, and then click **User Forms**.
 - 4 In the **Form Type** field, enter the name of the custom form you are defining.

Printing

- 5 Under Form Size, enter the form's dimensions in the fields for **Width** and **Length**. In the case of 12x18 in. paper, you would enter **12.0** under Width and **18.0** under Length.
 - 6 Specify the appropriate units of measurement.
 - 7 Click the **Add** button to add the form to the Defined User Forms list, and then click **OK** to return to Printer Properties.
 - 8 In Properties, under the Paper tab, make sure that your new custom form is displayed in the Form Type field.
 - 9 Open your program and print your document.
- If you are using a PCL (Printer Control Language) driver:
 - 1 In your computer, go to **Start ▶ Settings ▶ Control Panel**.
 - 2 Double-click the **Printers** folder and highlight your printer in the list by clicking it once, then select **File ▶ Properties**.
 - 3 Click the **Paper** tab. Under Custom Forms, click **New Size**.
 - 4 Enter the name of the custom form you are defining.
 - 5 Specify the form type as **Paper**.
 - 6 Specify the appropriate units of measurement.
 - 7 Enter the appropriate dimensions for **Width** and **Length**.
 - 8 Click **OK** to define the form and return to Printer Properties.
 - 9 In Properties, under the Paper tab, make sure that your new custom form is displayed in the Form Size field.
 - 10 Open your program and print your document.

For Windows NT, Windows 2000, and Windows XP:

- 1 In your computer, go to **Start ▶ Settings ▶ Control Panel**. For Windows XP and Windows XP Professional, go to **Start ▶ Control Panel**.
- 2 Go to the **Printers** folder, and select **File ▶ Server Properties**. For Windows XP and Windows XP Professional, go to **Printers and Other Hardware** and select **Printers and Faxes**. Select **File ▶ Server Properties**.
- 3 Select the **Forms** tab, and then click the **Create a new form** box.
- 4 In the **Form Description For** field, enter a name for the custom form that you are defining. For example, enter **Custom 12x18 in.**
- 5 Under **Measurements**, enter the appropriate dimensions and margins for the form, as well as the units of measurement. Click **Save Form** to add the new form.
- 6 Click **OK** to return to the Printers folder.

Printing

- 7 For Windows 2000 and XP, in the **Printers** folder, highlight your printer by clicking it once. Go to **File ▶ Printing Preferences**.
- 8 In Printing Preferences, select the **Paper** tab.
- 9 For PostScript drivers for Windows 2000 and XP, select your custom form from the list under **Form Type**.
For PCL Drivers for Windows 2000 and XP, select your custom form from the list under **Form Size**.
- 10 Open your program and print your document.

Notes:

- Some programs may override your print settings. As a result, you must configure your program's settings to accommodate your custom form. See your program's reference materials for information on how to change your program's settings.
- Selecting your custom form in Printing Preferences is recommended for using your newly created form in a program. However, this makes the new form the default for all programs that do not override the printer driver's selected paper size. To reset the default form size, enter Printing Preferences again and set the form size to the desired type.
- If you are working on a network, only an administrator can create a new form on the server. In a client server architecture, once the new form has been placed on the server, the client's printer objects (installed through Point and Print) receive the custom form from the server.
- Some changes may not immediately appear in a program's copy of the driver. As a result, it may be necessary to close and reopen the program so that any changes to the driver's settings may be displayed.

For Mac OS 8.6-9.x:

- 1 Verify that your desktop printer is the default printer.
- 2 In your program, go to **File ▶ Page Setup**.
- 3 Click the **Page Setup** menu, and then select **Custom Page Sizes**. Click **New**.
- 4 Enter a name for your custom page under the **Custom Page Size Name** edit box.
- 5 Under **Paper Size**, enter the appropriate dimensions. Under **Margins**, enter the appropriate margin size.
- 6 Select the appropriate units of measure.
- 7 Click **OK**.
- 8 In your program, go to **File ▶ Page Setup**. Click the **Page Setup** menu, and then select **Page Attributes**. Under **Paper**, select the custom size you want to use.
- 9 Print your document.

For Mac OS X v10.2:

- 1 In your program, go to **File ▶ Page Setup**.
- 2 Under **Format for**, select the **Any Printer** option.
- 3 Under **Settings**, select **Custom Paper Size**, and then click **New**.
- 4 Enter the name for your custom paper size.
- 5 Enter the appropriate dimensions and margins.
- 6 Click **Save**.
- 7 Click **OK**.
- 8 In your program, go to **File ▶ Page Setup**.
- 9 Under **Format for**, make sure that the **Any Printer** option is selected.
- 10 Under **Paper Size**, select the custom size you want to use.
- 11 Print your document.

Tips for successful printing

Storing print media

Properly storing the media helps ensure trouble-free printing. Use the following guidelines:

- For best results, store media 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 the paper packages.

Avoiding paper jams

By carefully selecting print media and loading them properly, you should be able to avoid most paper jams. If jams do occur, follow the steps outlined in [Clearing paper jams](#). If jams occur frequently, make sure you follow these tips to avoid jams:

- See [Loading a paper tray](#) to load paper properly. Make sure the adjustable guides are positioned correctly and the paper stack is pushed down and locked in the tray before closing the tray.
- *Do not* overload the paper trays. Make sure the paper is under the paper capacity mark on the inside of the tray relative to the size and weight of the paper you are using. Refer to *Quick Reference* or [Media guidelines](#) for recommended stack heights.
- *Do not* remove trays while print jobs are in process.
- Flex, fan, and straighten the paper before loading it.
- Fan stacks of labels or transparencies before loading them into a Heavy Media Tray or the multipurpose feeder. If jams occur using the multipurpose feeder, try feeding one sheet at a time.
- *Do not* load wrinkled, creased, damp, or curled paper.
- *Do not* mix paper types or paper sizes in one tray.
- Use only recommended print media. See [Paper](#).
- Make sure the recommended print side is face up when placed in the multipurpose feeder or high capacity feeder.
- Make sure the recommended print side is face down when loading trays 1 through 4.
- Keep print media stored in an acceptable environment. See [Media guidelines](#).

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 HP4500 and include four additional fonts and many extra symbol sets to support extra languages and programs. The fonts in the PostScript emulation are compatible with Adobe PostScript 3 and include 20 additional fonts.

The following tables list all the fonts in your printer. You can select the resident fonts from your software program, 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
Clarendon Condensed Bold	
Coronet	Coronet-Regular

Printing

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
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

Printing

PCL 6 emulation	PostScript 3 emulation
Courier Bold	Intl-Courier-Bold
Courier Bold Italic	Intl-Courier-BoldOblique
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
	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

Printing

PCL 6 emulation	PostScript 3 emulation
Univers Condensed Medium Italic	Univers-CondensedOblique
Univers Condensed Bold	Univers-CondensedBold
Univers Condensed Bold Italic	Univers-CondensedBoldOblique
Wingdings	Wingdings-Regular
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

Printing

PCL 6 emulation	PostScript 3 emulation
	Bodoni-Bold
	Bodoni-BoldItalic
	Bodoni-Poster
	Bodoni-PosterCompressed
	CooperBlack
	CooperBlack-Italic
	Copperplate-ThirtyTwoBC
	Copperplate-ThirtyThreeBC
	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

PCL 6 emulation	PostScript 3 emulation
	JoannaMT-BoldItalic
	LubalinGraph-Book
	LubalinGraph-BookOblique
	LubalinGraph-Demi
	LubalinGraph-DemiOblique

Resident bit mapped 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 programs, 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 programs require different characters at some code points. To support multiple programs and languages, your printer has 83 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 [Downloadable fonts](#). Refer to the *Technical Reference* to determine which symbol sets are supported by each font name.

Downloadable fonts

ABICOMP Brazil/Portugal	Wingdings	ISO 25: French
ABICOMP International	POSTNET Bar code	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 Portuguese	Ventura ITC Zapf Dingbats
PC-8 Turkish (437T)	PC-861 Icelandic	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 Greek	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 Greek	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	

You can download scalable fonts in PostScript 3 emulation and either scalable or bit mapped 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 the Lexmark Web site when you register the printer.

3

Media guidelines

Use recommended media (paper, transparencies, envelopes, card stock and labels) for your printer to avoid printing problems. For detailed information about media characteristics, refer to the *Card Stock & Label Guide* located on the Lexmark Web site at www.lexmark.com. Brief guidelines for choosing paper and other media follow.

Source	Paper sizes	Paper types	Capacity
Tray 1	Letter, A4, Legal, Tabloid ¹ , A3, JIS B4	Paper, glossy paper	550 sheets of 20 lb paper 200 sheets of 24 lb legal, tabloid, A3 or JIS B4 paper 130 sheets of glossy paper
Trays 2-4	Letter, A4, Legal, Tabloid ¹ , A3, JIS B4	Paper	550 sheets of 20 lb paper 200 sheets of 24 lb legal, tabloid, A3 or JIS B4 paper
Heavy media tray	Letter, A4, A5, Legal, Tabloid ¹ , A3, JIS B4	Paper, glossy paper, transparencies, labels	300 sheets of 32 lb paper 150 transparencies 200 sheets of labels 360 sheets of glossy paper
Multipurpose feeder	Letter, A4, A5, Legal, Tabloid ¹ , A3, Executive, JIS B4, JIS B5, 12x18, Banner ^{2,3} , Universal ^{4,5}	Paper, glossy paper, transparencies, labels, card stock	100 sheets of 20 lb paper 50 transparencies 55 sheets of labels 55 sheets card stock 80 sheets of 24 lb 12x18 paper 1 sheet of glossy paper 1 sheet of banner paper
	7¼, 9, 10, DL, C4, C5, B5	Envelopes	10 envelopes
High capacity feeder	Letter, A4	Paper	3000 sheets of 20 lb paper
¹ Tabloid paper is 278.8 x 430.8 mm (11 x 17 in.) ² Banner size is a Universal size: 297.2 x 914.4 mm (11.69 x 36 in.) ³ Banner paper is not supported on custom Windows 9x PCL and Windows NT 4.0 system printer drivers.		⁴ Universal setting lets you select the following custom sizes: – 70 x 127 mm to 229 x 356 mm (2.8 x 5 to 9 x 14 in.) – 148 x 182 mm to 216 x 356 mm (5.8 x 7 to 8.5 x 14 in.) – 304.8 x 457.2 mm (12 x 18 in.) – 210 x 432 mm to 297 x 914 mm (8.3 x 17 to 11.69 x 36 in.) ⁵ Universal size paper must be fed from the multipurpose feeder; no other input tray supports Universal.	

Media guidelines

Your printer supports a wide variety of paper types, sizes, and weights. The standard tray (tray 1) and optional trays 2, 3, and 4 are marked with stack height letters A, B, C. The optional heavy media tray is marked with stack height letters D, E, and F.

For detailed information about media characteristics, refer to the Card Stock and Label Guide located on the Lexmark Web site at www.lexmark.com.

The following table lists recommended media, weights, and the stack height guide to use when loading the paper trays.

Stack height letter	Recommended media
A	Lexmark Glossy Paper [*] : Letter (P/N 12A5950), A4 (P/N 12A5951)
B	11x17, Legal, B4, A3 (90–105 g/m ² , 24–28 lb bond)
C	Letter, A4 (60–105 g/m ² , 16–28 lb bond) 11x17, Legal, B4, A3 (60–90 g/m ² , 16 - 24 lb bond)
D	Lexmark Transparency ^{**} : Letter (P/N 12A5940), A4 (P/N 12A5941)
E	Lexmark Glossy Paper [*] : Letter (P/N 12A5950), A4 (P/N 12A5951) Paper Labels: Letter, A4 (up to 180 g/m ² , 48 lb bond)
F	Letter, A4 (105–128 g/m ² , 28–34 lb bond)
[*] Lexmark Glossy Paper is 120 g/m ² , 80 lb. book, 32 lb bond. ^{**} Lexmark Transparency weight is 170 g/m ² .	

Paper

Note: Using low quality paper may result in unsatisfactory performance and may degrade print quality.

When printing photographic quality images, use a high-quality laser printer paper. We recommend the following paper for optimum results:

Paper	Weight	Size	Part Number
Hammermill Laser Print	90 g/m ² (24 lb)	Letter	12A5950
Lexmark Glossy Laser Paper	120 g/m ² (32 lb)	A4	12A5951

For printing text and typical business graphics, you may find 75 g/m² (20 lb) paper designed for laser printers or photocopiers produces acceptable print quality. Always try a sample of any paper before buying large quantities.

Before loading paper, note the recommended print side identified on the paper package. Load paper with the recommended print side face down in the paper trays. For paper loading instructions, see [Loading a paper tray](#).

Media guidelines

The following are not recommended for your printer:

- Paper with a large cotton content
- Paper with a rough or heavily textured surface
- Coated papers, such as erasable bond
- Preprinted papers manufactured with chemicals that may contaminate the printer
- Paper designed for inkjet printers
- Deformed or damaged paper
- Paper that is wet or has absorbed moisture
- Paper that is punched, embossed, or perforated
- Multiple-part forms
- Synthetic papers
- Thermal papers
- Recycled paper having a weight less than 75 g/m² (20 lb)

Preprinted papers such as letterhead must be able to withstand temperatures of up to 180°C (356°F) without melting or releasing hazardous emissions. Use inks that are not affected by the resin in toner or the silicone in the fuser. Inks that are oxidation-set or oil-based should meet these requirements. Latex inks may melt.

Duplexer

The duplex option does not support Cardstock, Transparencies, Labels, or Envelopes.

Orientation	Paper Size	Weight
Short-edge Feed	A3	80 – 105g/m ² (20 – 28 lbs.)
	JIS-B4	
	Legal	
	Tabloid	
Long-edge Feed	A4	
	A5	
	JIS-B5	
	Letter	

Transparencies

For best results, use the following Lexmark transparencies:

Description	Size	Part number
Professional color laser transparencies	Letter	12A5940
	A4	12A5941

These transparencies are designed to provide optimal print quality. Using other transparencies designed for laser printers may yield unpredictable results and possibly cause damage to your printer.

Transparencies must be able to withstand temperatures of up to 180°C (356°F) without melting, discoloring, offsetting, or releasing hazardous emissions.

To order transparencies in the U.S., call 1-800-438-2468. In other countries/regions, visit www.lexmark.com on the World Wide Web.

For transparency loading instructions, see [Loading paper](#).

Envelopes

You can load up to 10 envelopes in the multipurpose feeder. Load envelopes flap side down, with the flap closed, and with the return address area on the right. Orient the envelopes so that the edge with the return address and stamp area will enter the multipurpose feeder last. Do not load stamped envelopes. Before loading envelopes, fan the stack to prevent them from sticking together. For envelope loading instructions, see [Loading envelopes](#).

To ensure the best print quality, set Paper Type (or Media Type in the driver) to **Envelope** and select the correct envelope size before sending the job to print

When printing on envelopes:

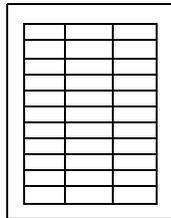
- Try a sample of any envelopes before buying large quantities.
- Use envelopes made from 90 to 105 g/m² (24 to 28 lb) bond paper. Do *not* use envelopes that:
 - Have excessive curl
 - Are stuck together
 - Are damaged
 - Contain windows, holes, perforations, cutouts, or embossing
 - Use metal clasps or string ties
 - Have postage stamps attached
 - Have any exposed adhesive when the flap is in the sealed or closed position
- Use envelopes that can withstand temperatures of 180°C (356°F) without sealing, excessive curling, wrinkling, or releasing hazardous emissions.

- Adjust both multipurpose feeder guides to fit the envelope width.

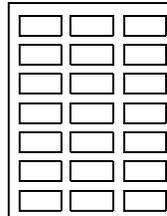
Labels

Use only labels designed for laser printers. Use only label sheets that have no gaps between the labels, as shown. Try a sample of any labels before purchasing a large quantity.

Acceptable labels



Unacceptable labels



Labels must be able to withstand temperatures of 180°C (356°F) without melting, discoloring, offsetting, or releasing hazardous emissions. For detailed information on label printing, characteristics, and design, refer to the *Card Stock & Label Guide* available on Lexmark's Web site.

Feed labels only from the multipurpose feeder. When printing on labels:

- Use only paper labels. Do not use vinyl labels.
- Do not print a large number of labels consecutively.
- Do not use labels that have adhesive exposed on the sheets.
- Do not use labels that have coating or sizing applied to make them liquid-resistant.
- From the operator panel, from MarkVision Professional, or with the printer driver, set the Paper Type (or Media Type) to **Labels**.

For label loading instructions, see [Loading paper](#).

Card stock

Load card stock in the multipurpose feeder only. Using the wrong paper source may cause paper jams or a failure to feed. The properties of the card stock—such as the orientation of the paper fibers, moisture content, thickness, and texture can affect the print quality.

For optimum results, we recommend using Springhill Index Plus 90 lb index card stock.

Card stock must be able to withstand temperatures up to 180°C (356°F) without melting or releasing hazardous emissions.

For more information on card stock your printer supports, refer to the *Card Stock & Label Guide* available on Lexmark's Web site.

Always set the Paper Type (or Media Type) to **Card Stock** when printing on heavier paper. The printer then adjusts the fuser temperature and engine speed to ensure the best print quality.

For card stock loading instructions, see [Loading paper](#).

4

Using printer menus

Select a menu or menu item for more details.

Color Menu

[Color Correction](#)
[Manual Color](#)
[Print Mode](#)
[Toner Darkness](#)

Finishing Menu

[Copies](#)
[Duplex](#)
[Duplex Bind](#)
[Blank Pages](#)
[Collation](#)
[Separator](#)
[Sheets](#)
[Separator](#)
[Source](#)
[Hole Punch](#)
[Offset Pages](#)
[Staple Job](#)
[Staple Prime Src](#)
[Multipage Print](#)
[Multipage Order](#)
[Multipage View](#)
[Multipage Border](#)

Infrared Menu

[Infrared Port](#)
[PCL SmartSwitch](#)
[PS SmartSwitch](#)
[NPA Mode](#)
[Infrared Buffer](#)
[Job Buffering](#)
[Window Size](#)
[Transmit Delay](#)
[Max Baud Rate](#)

Job Menu

[Reset Printer](#)
[Cancel Job](#)
[Cancel Fax](#)
[Confidential Job](#)
[Held Jobs](#)
[Reset Active Bin](#)
[Prime Stapler](#)

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](#)
[Assign Type/ Bin](#)
[Substitute Size](#)
[Configure MP](#)
[Paper Weight](#)
[Paper Loading](#)
[Universal Setup](#)

Fax Menu

[Fax Setup](#)
[Fax Logs](#)
[Fax Send](#)
[Fax Receive](#)

Serial Menu

[PCL SmartSwitch](#)
[PS SmartSwitch](#)
[NPA Mode](#)
[Serial Buffer](#)
[Job Buffering](#)
[Serial Protocol](#)
[Robust XON](#)
[Baud](#)
[Data Bits](#)
[Parity](#)
[RS-232/RS-422](#)
[RS-422 Polarity](#)
[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](#)
[Job Accounting](#)
[Start Page](#)

Supplies Menu

[<color> Toner](#)
[Color Photo Devs](#)
[Black Photo Dev](#)
[Fuser](#)
[Belt](#)
[Supplies Life](#)
[Replace Supplies](#)

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](#)
[Print Demo](#)
[Color Samples](#)
[Factory Defaults](#)
[Remove Held Jobs](#)
[Format Flash](#)
[Defragment Flash](#)
[Format Disk](#)
[Job Acct Stat](#)
[Hex Trace](#)
[Print Alignment](#)

PostScript Menu

[Print PS Error](#)
[Font Priority](#)
[Image Smoothing](#)

Disabling operator panel menus

To disable the operator panel menus so that changes cannot be made to the printer default settings:

- 1 Turn the printer off.

Note: Disabling the operator panel menus does not prevent access to the Job Menu or to the Print and Hold function.

- 2 Press and hold **Select** and **Return** and turn the printer on.
- 3 Release the buttons when you see **Performing Self Test**.
Config Menu appears on the first line of the display.
- 4 Press **Menu** until you see **Panel Menus**, and then press **Select**.
- 5 Press the menu keys until **Disable** appears on the second line of the display.
- 6 Press **Select**.
Disabling Menus appears briefly.
- 7 Press **Menu** until you see **Exit Config Menus**, and then press **Select**.

The menus are disabled. If you press **Menu**, the message **Menus Disabled** appears.

Enabling operator panel menus

- 1 Repeat steps 1 through 4.
- 2 Press **Menu** until you see **Enable**.
- 3 Continue with steps 5, 6, and 7.

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 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.

Using printer menus

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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • sRGB Display • sRGB Vivid*
		RGB Graphics	<ul style="list-style-type: none"> • Off • Vivid
		CMYK	<ul style="list-style-type: none"> • US CMYK (<i>default for 120V machines</i>): Applies a color conversion table to approximate SWOP color output. • Euro CMYK (<i>default for 220V machines</i>): 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 images are printed in a monochrome grayscale or in color.	Color*	
		Black & White	

Using printer menus

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 program-generated blank pages as part of your printed output.	Do Not Print*	Does not print program-generated blank pages as part of your job.
		Print	Prints program-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*)	

Using printer menus

Menu Item	Purpose	Values																	
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.																
Duplex Bind	To define the way duplexed pages are 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).	Long Edge*	Assumes binding along the long end of the page (left edge for portrait orientation and top edge for landscape orientation).																
		Short Edge	Assumes binding along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation).																
Hole Punch	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.)	Off*	Does not punch holes in printed output.																
		On	Punches holes in every printed page.																
Multipage Border	To print a border around each page image when using Multipage Print.	None*	Does not print a border around each page image.																
		Solid	Prints a solid line border around each page image.																
Multipage Order	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.	Horizontal*																	
		Vertical																	
		Rev Horizontal																	
		Rev Vertical																	
		For example, if you select 4-Up multipage printing and portrait orientation, the results differ depending on the Multipage Order value you select:																	
Horizontal	Vertical Order	Reverse Horizontal	Reverse Vertical Order																
<table border="1" style="width: 100px; height: 100px;"> <tr><td style="text-align: center;">1</td><td style="text-align: center;">2</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">4</td></tr> </table>	1	2	3	4	<table border="1" style="width: 100px; height: 100px;"> <tr><td style="text-align: center;">1</td><td style="text-align: center;">3</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">4</td></tr> </table>	1	3	2	4	<table border="1" style="width: 100px; height: 100px;"> <tr><td style="text-align: center;">2</td><td style="text-align: center;">1</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">3</td></tr> </table>	2	1	4	3	<table border="1" style="width: 100px; height: 100px;"> <tr><td style="text-align: center;">3</td><td style="text-align: center;">1</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">2</td></tr> </table>	3	1	4	2
1	2																		
3	4																		
1	3																		
2	4																		
2	1																		
4	3																		
3	1																		
4	2																		

Using printer menus

Menu Item	Purpose	Values	
Multipage Print	To print multiple page images on one side of a sheet of paper. Also called <i>n-up</i> or <i>Paper Saver</i> .	Off*	Prints one page image per side.
		2 Up	Prints two page images per side.
		3 Up	Prints three page images per side.
		4 Up	Prints four page images per side.
		6 Up	Prints six page images per side.
		9 Up	Prints nine page images per side.
		12 Up	Prints twelve page images per side.
		16 Up	Prints sixteen page images per side.
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.)

Using printer menus

Menu Item	Purpose	Values	
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.

Infrared Menu

The Infrared Menu is only displayed when at least one infrared interface exists on the printer.

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

Menu Item	Purpose
Infrared Port	<p>Whenever the value of the NPA Mode, Infrared Port, or Job Buffering is changed from the operator panel, the printer automatically restarts upon exiting the menus in order to reconfigure memory.</p> <p>Note: Only one of the installed infrared ports are displayed. If there are multiple infrared ports available, the user cannot specify which one will be activated. The first option is always enabled (for example, the option with the lowest slot number).</p> <p>=Disabled*</p> <p>=IR Option X</p>
PCL SmartSwitch	<p>Note: Only displayed when both PCL and PostScript interpreters are available AND Infrared Port is not set to Disabled.</p> <p>=Off</p> <p>=On*</p>
PS SmartSwitch	<p>Note: Only displayed when both PCL and PostScript interpreters are available AND Infrared Port is not set to Disabled.</p> <p>=Off</p> <p>=On*</p>
NPA Mode	<p>Whenever the value of the NPA Mode, Infrared Port, or Job Buffering is changed from the operator panel, the printer automatically restarts upon exiting the menus in order to reconfigure memory.</p> <p>Note: Only displayed when Infrared Port is not set to Disabled.</p> <p>=Off</p> <p>=Auto*</p>

Using printer menus

Menu Item	Purpose
Infrared Buffer	<p>Whenever the value of the NPA Mode, Infrared Port, or Job Buffering is changed from the operator panel, the printer automatically restarts upon exiting the menus in order to reconfigure memory.</p> <p>Note: Only displayed when Infrared Port is not set to Disabled.</p> <p>=Disabled =Auto* =36 K ... (max size allowed)</p>
Job Buffering	<p>Whenever the value of the NPA Mode, Infrared Port, or Job Buffering is changed from the operator panel, the printer automatically restarts upon exiting the menus in order to reconfigure memory.</p> <p>Note: Only displayed when Infrared Port is not set to Disabled.</p> <p>Note: Only displayed when a formatted disk is installed.</p> <p>=Off* =On =Auto</p>
Window Size	<p>Note: Only displayed when Infrared Port is not set to Disabled.</p> <p>=Auto* =1</p>
Transmit Delay	<p>Note: Only displayed when Infrared Port is not set to Disabled.</p> <p>=Auto* =None =1...15</p>
Max Baud Rate	<p>Note: Only displayed when Infrared Port is not set to Disabled.</p> <p>=2400 =9600 =19200 =38400 =57600 =115200 =576000 =1152000* =4000000</p>

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 that appears on the display as an outgoing fax is transmitted or canceled.
Cancel Job	To cancel the current print job.		Cancel Job is only displayed if the printer is processing a job or has a job in printer memory.

Using printer menus

Menu Item	Purpose	Values		
Confidential Job	<p>To print confidential jobs stored in printer memory.</p> <p>Note: When the confidential job prints, it is automatically deleted from printer memory.</p>			
		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 .	
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.			

Using printer menus

Menu Item	Purpose	Values
Prime Stapler	The staple priming operation is mostly required when a user loads a new staple cartridge in the stapler device. However, this operation may also be required when a staple jam has occurred as part of the staple jam clearing procedure.	
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 program 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.

Using printer menus

Menu Item	Purpose	Values	
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.	
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.	

Using printer menus

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.

Using printer menus

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 requires it. This print job is received through the parallel port, 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.

Using printer menus

Menu Item	Purpose	Values	
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.

Using printer menus

Menu Item	Purpose	Values	
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)	
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*	

Using printer menus

Menu Item	Purpose	Values	
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 programs, 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 programs that use different source assignments for the paper trays. Note: Refer to the <i>Technical Reference</i> 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.

Using printer menus

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.
		Paper Cassette	Printer treats the multipurpose feeder like any other paper tray, except envelopes are not automatically supported.
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>	

Using printer menus

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
	Off*		Printer assumes preprinted material is loaded for single-sided printing. Duplexed jobs may not print properly.

Using printer menus

Menu Item	Purpose	Values
Paper Size	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
Paper Source	To identify the default paper source.	Tray <x> (Tray 1*)
		MP Feeder
		Env Feeder
		Manual Paper
		Manual Env

Using printer menus

Menu Item	Purpose	Values	
Paper Type	<p>To identify the type of paper installed in each paper source.</p> <p>Use this menu item to:</p> <ul style="list-style-type: none"> • Optimize print quality for the specified paper. • Select paper sources through your software program 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			
<p>The Paper Type default for each envelope source is Envelope. The Paper Type default for each paper tray is as follows:</p> <p>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.</p>	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		

Using printer menus

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.

Using printer menus

Menu Item	Purpose	Values	
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	=76–360 mm (216 mm*) =3.00–14.17 in. (8.5 in.*)
		Portrait Height	=76–360 mm (360 mm*) =3.00–14.17 in. (14.17 in.*)
Feed Direction		=Short Edge* =Long Edge	

Fax Menu

Use the Fax Menu to change fax settings for your printer.

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

Menu Item	Purpose	Value
Fax Setup		<ul style="list-style-type: none">• Station Name = (An alphanumeric value which is 20 characters.) The value is displayed using the encoding determined by the value of Display Language.• Station Number = (An alphanumeric value which is 20 characters.) The value is displayed using the encoding determined by the value of Display Language.• Speaker =Off =On*• Behind a PABX =Yes =No*• Enable ECM =Yes* =No

Using printer menus

Menu Item	Purpose	Value
Fax Logs		<ul style="list-style-type: none">• Print Send Log• Print Rcv Log• Auto Print Logs<ul style="list-style-type: none">=No=Yes*• Clear Logs<ul style="list-style-type: none">=Yes• Transmission Log<ul style="list-style-type: none">=Print Always=Print Never=Print on Error*• Log Paper Size <p>Note: Only installed paper sizes are displayed.</p> <ul style="list-style-type: none">=A4* (NonUS)=A5=JIS B5=Letter* (US)=Legal=Executive=JIS B4=A3=11x17=Folio=Statement=Universal

Using printer menus

Menu Item	Purpose	Value
Fax Logs (Continued)		<ul style="list-style-type: none"> • Log Paper Type <p>Note: Only installed paper types are displayed. If a user-defined name is available for a Custom Type, then the name is displayed instead of “Custom Type x.” The name is truncated to 14 characters.</p> <ul style="list-style-type: none"> =Plain Paper* =Card Stock =Transparency =Labels =Bond =Letterhead =Preprinted =Colored Paper =Custom Type 1 =Custom Type 2 =Custom Type 3 =Custom Type 4 =Custom Type 5 =Custom Type 6 <ul style="list-style-type: none"> • Log Output Bin <p>Note: Only installed output bins are displayed. If a user-defined name is available for an output bin, then the name is displayed instead. The name is truncated to 14 characters. If multiple output bins are assigned the same name, the name only appears once in the Output Bin value list.</p> <p>Note: If Bin 2 is installed, then it is the default Log Output Bin. Otherwise, the Standard Bin is the default.</p> <ul style="list-style-type: none"> =Standard Bin* =Bin 1 =Bin 2* =Bin 3 =Bin 4 =Bin 5 =Bin 6

Using printer menus

Menu Item	Purpose	Value
Fax Send		<ul style="list-style-type: none">• Automatic Redial =0 ... 14 (5*) <p>Note: The value 0 indicates Redial is set to Disabled.</p> <ul style="list-style-type: none">• Redial Frequency =1 ... 200 (3*)• Fax Resolution =Standard* =Fine =Super Fine =Ultra Fine• Dialing Mode =Tone* =Pulse

Using printer menus

Menu Item	Purpose	Value
Fax Receive		<ul style="list-style-type: none"> • Fax Storage <ul style="list-style-type: none"> =Off =On* • Fax Paper Size <p>Note: Only installed paper sizes are displayed.</p> <ul style="list-style-type: none"> =A4* (NonUS) =A5 =JIS B5 =Letter* (US) =Legal =Executive =JIS B4 =A3 =11x17 =Folio =Statement =Universal • Fax Paper Type <p>Note: Only installed paper types are displayed. If a user-defined name is available for a Custom Type, then the name is displayed instead of "Custom Type x". The name is truncated to 14 characters.</p> <ul style="list-style-type: none"> =Plain Paper* =Card Stock =Transparency =Labels =Bond =Letterhead =Preprinted =Colored Paper =Custom Type 1 =Custom Type 2 =Custom Type 3 =Custom Type 4 =Custom Type 5 =Custom Type 6

Using printer menus

Menu Item	Purpose	Value
Fax Receive (Continued)		<ul style="list-style-type: none"> • Fax Output Bin <p>Note: Only installed output bins are displayed. If a user-defined name is available for an output bin, then the name is displayed instead. The name is truncated to 14 characters.</p> <p>Note: If multiple output bins are assigned the same name, the name only appears once in the Output Bin value list.</p> <p>Note: If Bin 2 is installed, then it is the default Fax Output Bin. Otherwise, the Standard Bin is the default.</p> <ul style="list-style-type: none"> =Standard Bin* =Bin 1 =Bin 2* =Bin 3 =Bin 4 =Bin 5 =Bin 6 <ul style="list-style-type: none"> • Auto Reduction <ul style="list-style-type: none"> =Off =On* <ul style="list-style-type: none"> • Rings to Answer <ul style="list-style-type: none"> =1 ... 25 (1*)

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	<p>To determine whether the printer uses the Data Set Ready (DSR) signal. DSR is one of the handshaking signals for most serial interface cables.</p> <p>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.</p>	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	<p>To temporarily store jobs on the printer hard disk before printing.</p> <p>Note: Changing the Job Buffering menu item automatically resets the printer.</p>	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.

Using printer menus

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	
RS-232/RS-422	Designates the serial communication configuration: RS232 or RS422.	=RS-232* =RS-422	
RS-422 Polarity	This allows the user to specify the RS-422 polarity if RS-422 communications is active for the serial port. Note: Only displayed if the port supports an RS-422 configuration, For example, the physical port hardware supports RS-422. Note: Only displayed when the RS-232/RS-422 port printer setting is set to RS-422.	=Normal* =Reverse	
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.

Using printer menus

Menu Item	Purpose	Values	
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.
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.
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			

Using printer menus

Menu Item	Purpose	Values	
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.
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.

Using printer menus

Menu Item	Purpose	Values	
Page Protect	<p>To successfully print a page that may otherwise generate Complex Page errors.</p> <p>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.</p> <p>For most print jobs, you do not need to select On. When On is selected, printing may be slower.</p>	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	<p>To specify the amount of time (in minutes) the printer waits after a job is printed before it goes into a reduced power state.</p>	Disabled	This value does not appear unless Energy Conserve is set to Off.
		1...240	<p>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.)</p> <p>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.</p> <p>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.</p> <p>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.</p>
Print Area	<p>To modify the logical and physical printable area.</p>	Normal*	<p>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 clips the image at the boundary defined by the Normal defined printable area.</p>
		Fit to Page	
		Whole Page	

Using printer menus

Menu Item	Purpose	Values	
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: <ul style="list-style-type: none"> 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 program 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.

Using printer menus

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.
Start Page	The purpose of this page is to clean oil from the fuser and improve OHP quality when printed after a POR. The default for the setting is Off.	=On =Off*	

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
Color Photo Devs	To view the status of the color photoconductor.	=Life Warning =Exhausted
Black Photo Dev	To view the status of the black photoconductor.	=Life Warning =Exhausted
Fuser	To view the status of the fuser.	=Life Warning =Exhausted
Belt	To view the status of the belt.	=Life Warning =Exhausted

Using printer menus

Menu Item	Purpose	Values
Supplies Life	To view the status of all of the printer supplies.	<p>Note: Staples and Hole Punch Box only appear in the menu when a finisher is installed on the printer.</p> <p>Note: This is a two-level menu.</p> <ul style="list-style-type: none"> • Cyan Toner • Yellow Toner • Magenta Toner • Black Toner <p>=Low =Empty =xxx%</p> <ul style="list-style-type: none"> • Color Photo Devs • Black Photo Dev • Fuser • Belt <p>=Life Warning =Exhausted =xxx%</p> <ul style="list-style-type: none"> • Staples <p>=Low =Empty =Missing =OK</p> <ul style="list-style-type: none"> • Hole Punch Box <p>=Full =Missing =OK</p>
Replace Supplies	<p>Selecting this takes the user through the appropriate screens to help replace these items.</p> <p>The "Replaced" option tells the printer that the item was replaced and resets the engine counters for that item.</p>	<ul style="list-style-type: none"> • Fuser • Belt <p>=Not Replaced =Replaced =Replace Now</p>

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.
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.

Using printer menus

Menu Item	Purpose	Values	
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	
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.

Using printer menus

Menu Item	Purpose	Values	
Factory Defaults	To return your printer settings to the factory default values.	Restore	<ul style="list-style-type: none"> • All menu items are returned to the factory default values except: <ul style="list-style-type: none"> – 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.
Remove Held Jobs	The Remove Held Jobs operation is used to remove Print and Hold jobs from the disk, because unwanted jobs may tend to pile up on the disk.	<ul style="list-style-type: none"> • Confidential—Causes all Confidential Print and Hold jobs to be removed (even if they failed to be restored from the disk). • Held—Causes all non-Confidential Print and Hold jobs to be removed (even if they failed to be restored from the disk). • Not Restored—Causes all Print and Hold jobs that were NOT restored from the disk to be deleted. This is a good way to clean up the disk when jobs are not being restored due to a permanent configuration change. • All—Causes ALL Print and Hold jobs to be deleted (even if they failed to be restored from the disk). 	
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	<p>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.</p> <p>To exit Hex Trace, turn the printer off or reset the printer from the Job Menu.</p>		
Print Alignment	When this menu item is chosen, the user alignment pages print.		

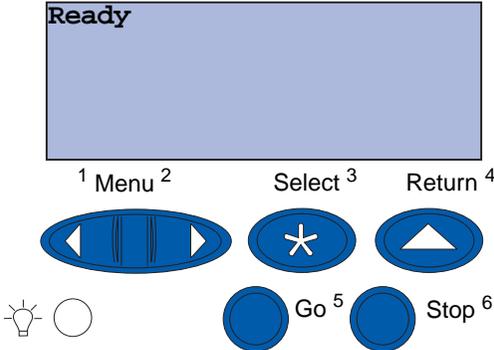
Using printer menus

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 Demo	The Print Demo menu contains a list of the demo files available in the RIP code SIMM, the flash option, and the disk option.		
Color Samples	Color sample pages are printed using the same paper selection method and Printer Settings as is used to print the resident demo page with the exception of Print Mode. These pages always print with Print Mode set to Color. The multipage Color Sample can be used as an aid to select colors for applications. The RGB percentages will be printed on the chart for easy reference.		
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.		

5

Understanding printer messages

The 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. For Finisher error messages, see the Finisher Manual.



Message	What this message means	What you can do
Activating Menu Changes	The printer is activating changes made to the printer settings.	Wait for the message to clear. See also: Disabling 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.	<ul style="list-style-type: none"> Wait for the message to clear. Press Menu to open the Job Menu and cancel the current job.
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 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 a paper tray ; <i>Setup Guide</i>

Understanding printer messages

Message	What this message means	What you can do
Check <device> Connection	The specified device is either not fully connected to the printer or is experiencing a hardware failure.	<ul style="list-style-type: none"> • Reestablish communication by removing the specified device and reattaching it to the printer. • Press Go to clear the message and continue printing. • If 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 Front Door	The printer front door is open.	Close the printer front door to clear the message.
Close Side Door	The printer side door is open.	Close the printer side door to clear the message.
Close Top Door	The printer top door is open.	Close the printer top door to clear the message.
Close Tray <x> Top Cover	The high capacity feeder door is open. Note: The high capacity feeder can only be installed as Tray 3 or Tray 5.	Close the top cover to clear the message.
Copying	The printer is processing a copy job originating from the 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.	<ul style="list-style-type: none"> • 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.
Did You Replace Belt?	You have turned on the printer while the transfer belt is in the warning state and needs to be replaced.	<ul style="list-style-type: none"> • Press Select to reset the transfer belt maintenance counter. • Press Stop to continue. The message continues to appear each time you turn the printer on while the transfer belt is in the warning state.

Understanding printer messages

Message	What this message means	What you can do
Did You Replace Fuser?	You have turned on the printer while the fuser is in the warning state and needs to be replaced.	<ul style="list-style-type: none"> Press Select to reset the fuser maintenance counter. Press Stop to continue. The message continues to appear each time you turn the printer on while the fuser is in the warning state.
Disabling Menus	The printer is responding to a request to disable the menus.	<ul style="list-style-type: none"> Wait for the message to clear. While the menus are disabled, you cannot change the printer settings from the operator panel. <p>See also: Disabling operator panel menus</p>
Disk Corrupted. Reformat?	The printer has attempted a disk recovery process and cannot repair the disk.	<ul style="list-style-type: none"> 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. <p>See also: Disk Recovery x/5 yyy%</p>
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.	<p>Wait for the message to clear.</p> <p>Warning: Do not turn the printer off while this message is displayed.</p>
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.
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).	<p>Use the operator panel buttons to enter the PIN you identified in the driver when you sent the confidential job to the printer.</p> <p>See also: Using the Print and Hold function</p>
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.

Understanding printer messages

Message	What this message means	What you can do
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.
Fuser Maintenance	The counter that tracks wear on the fuser has reached its limit.	<ul style="list-style-type: none"> • Press Go to continue printing. • If print quality is unacceptable, replace the fuser. See also: Replacing the fuser
Held Jobs May Be Lost	The printer memory is too full to continue processing print jobs.	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> – 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: Using the Print and Hold function; 37 Insufficient Memory
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.
Infrared <x>	An infrared interface is the active communication link.	
Insert Tray <x>	The specified tray is either missing or not fully inserted.	Insert the specified tray completely. See also: Loading a paper tray

Understanding printer messages

Message	What this message means	What you can do
Install <device> or Cancel Job	The printer is requesting that a specified device be installed so it can print a job.	<ul style="list-style-type: none"> • 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.	<p>Call for service.</p> <p>See also: Calling for service</p>
Invalid Network <x> Code or 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.	<p>Download valid code to the printer internal print server.</p> <p>Note: You can download network code while this message is displayed.</p>
Load <x>	The printer is trying to feed paper from a source it detects is empty.	<ul style="list-style-type: none"> • 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. <p>See also: Loading a paper tray</p>
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.	<ul style="list-style-type: none"> • 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 the paper already 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 the paper installed in the default input source. • Press Menu to open the Job Menu and cancel the current job. <p>See also: Loading the multipurpose feeder</p>
LocalTalk <x>	A LocalTalk interface is the active communication link.	

Understanding printer messages

Message	What this message means	What you can do
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 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.	
Network <x>, <y>	A network interface is the active communication link, where <x> represents the active communication link and <y> represents the channel.	
No DRAM Installed	No DRAM is installed.	Turn the printer off, install DRAM, and turn the printer back on. See also: <i>Setup Guide</i>
No Jobs Found. Retry?	The four-digit personal identification number (PIN) you entered is not associated with any confidential print job.	<ul style="list-style-type: none"> • Press Go to enter another PIN. • Press Stop to clear the PIN entry prompt. See also: Using the Print and Hold function
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.
Parallel <x>	A parallel interface is the active communication link.	
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.
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.	<ul style="list-style-type: none"> • Send a job to print. • Press Go to quickly warm the printer to normal operating temperature and display the Ready message.

Understanding printer messages

Message	What this message means	What you can do
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.	<ul style="list-style-type: none"> • 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.
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.
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.
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.
Printing Menu Settings	The printer is processing or printing the menu settings page.	Wait for the message to clear. See also: Printing the 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.

Understanding printer messages

Message	What this message means	What you can do
Programming Error P<x>	An error occurred while the printer was programming code into memory.	<p>Correct the problem specified on the second line of the display:</p> <ul style="list-style-type: none"> • P105—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 upddle.flis 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.	<p>Wait for the message to clear.</p> <p>See also: Printing and deleting held jobs</p>
Queuing Jobs	The printer is sending one or more held jobs to print.	<p>Wait for the message to clear.</p> <p>See also: Using the Print and Hold function</p>
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.	<ul style="list-style-type: none"> • 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.
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 Maint 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.

Understanding printer messages

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.	<ul style="list-style-type: none"> 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. <p>See also: Using the Print and Hold function</p>
Restoring Factory Defaults	<p>The printer is restoring the factory default printer settings. When factory default settings are restored:</p> <ul style="list-style-type: none"> All downloaded resources (fonts, macros, symbol sets) in the printer memory are deleted. All menu settings return to the factory default setting <i>except</i>: <ul style="list-style-type: none"> 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.
Restoring Held Job xxx/ yyy	<p>The printer is restoring held jobs from the hard disk.</p> <p>Note: xxx represents the number of the job being restored. yyy represents the total number of jobs to be restored.</p>	<ul style="list-style-type: none"> Wait for the message to clear. Select the Abort Restore menu item in the Job Menu. <p>See also: Using the Print and Hold function</p>
Restoring Held Jobs	The printer is restoring held jobs from the hard disk.	<p>Wait for the message to clear.</p> <p>See also: Using the Print and Hold function</p>
Serial <x>	A serial interface is the active communication link.	Wait for the message to clear.
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.	<p>Load paper in the tray to clear the message.</p> <p>See also: Loading a paper tray</p>
Tray <x> Low	The specified tray is low on paper.	<p>Add paper to the tray to clear the message.</p> <p>See also: Loading a paper tray</p>

Understanding printer messages

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 a paper tray
Unsupported Disk	The printer detects an unsupported disk.	<ul style="list-style-type: none"> Press Go to clear the message. Format the disk. Note: Disk operations are not allowed until the disk is formatted.
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.	<ul style="list-style-type: none"> Press Go to print the contents of the buffer. Press Menu to open the Job Menu and cancel the current job. See also: Canceling Job
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: Clearing paper jams
30 Coating Roll Missing	The oil coating roll is either missing or incorrectly installed.	Correctly install the oil coating roll to clear the message and continue printing.
30 <color> Print Unit Missing	One or more of the color print units is either missing or incorrectly installed.	Correctly install the color print units to clear the message and continue printing.
32 Unsupported <color> Cartridge	The printer detects an unsupported toner cartridge.	Replace the unsupported toner cartridge.
33 Tray <x> Config Error	The optional Heavy Media Tray is inserted into any tray location except Tray 1.	Remove the Heavy Media Tray from the invalid location to clear the message.
34 Incorrect Media	The printer detects the wrong type of media in the listed source.	Place the requested media in the listed source and press Go .

Understanding printer messages

Message	What this message means	What you can do
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.	<ul style="list-style-type: none"> • 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. <p>See also: Media guidelines</p>
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.	<ul style="list-style-type: none"> • Press Go to disable Resource Save and continue printing. • To enable Resource Save after you get this message: <ul style="list-style-type: none"> – 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.
37 Insufficient Collation Area	The printer memory (or hard disk, if installed) does not have the free space necessary to collate the print job.	<ul style="list-style-type: none"> • 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. <p>See also: Canceling a print job</p>
37 Insufficient Defrag Memory	The printer cannot defragment flash memory, because the printer memory used to store undeleted flash resources is full.	<ul style="list-style-type: none"> • Delete fonts, macros, and other data in printer memory. • Install additional printer memory.

Understanding printer messages

Message	What this message means	What you can do
37 Insufficient Memory	The printer memory is full and cannot continue processing current print jobs.	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> – Delete fonts, macros, and other data in printer memory. – Install additional printer memory. <p>Note: The messages 37 Insufficient Memory and Held Jobs May Be Lost alternate on the display.</p> <p>See also: Using the Print and Hold function; Held Jobs May Be Lost; Held Jobs May Not Be Restored</p>
38 Memory Full	The printer is processing data, but the memory used to store pages is full.	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> – 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. <p>See also: Canceling a print job</p>
39 Complex Page	The page may not print correctly because the print information on the page is too complex.	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> – 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. <p>See also: Setup Menu</p>

Understanding printer messages

Message	What this message means	What you can do
4<x> Unsupported Firmware Card	The printer detects an unsupported version of firmware on the installed firmware card.	<ul style="list-style-type: none"> • 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. <p>See also: <i>Setup Guide</i></p>
40 Tray <x> Size Sense Error	The high capacity feeder detects an error in the size sensing mechanism.	<ul style="list-style-type: none"> • Turn off printer and make sure that all the high capacity feeder connectors are installed correctly. • Have the high capacity feeder size sensor checked by a service technician.
41 Open Bin 1 Exit Tray	The printer wants to send paper to the Bin 1 output tray, but the tray is closed.	<ul style="list-style-type: none"> • Open Bin 1 to clear the message and continue printing. • Press Go to clear the message and continue printing. The paper is diverted to the Standard bin.
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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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	The printer has detected a serial interface error on a serial port.	<ul style="list-style-type: none"> • 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.

Understanding printer messages

Message	What this message means	What you can do
54 Network <x> Software Error	The printer cannot establish communications with an installed network port.	<ul style="list-style-type: none"> • 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 Network Software Error		
54 Std Par ENA Connection Lost	The printer has lost the connection to an external print server (also called an external network adapter or ENA).	<ul style="list-style-type: none"> • 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.
54 Par <x> ENA Connection Lost		
56 Serial Port <x> Disabled	Data has been sent to the printer through a serial port, but the serial port is disabled.	<ul style="list-style-type: none"> • 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.
56 Standard Serial Disabled		
56 Parallel Port <x> Disabled	Data has been sent to the printer through a parallel port, but the parallel port is disabled.	<ul style="list-style-type: none"> • 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.
56 Std Parallel Port Disabled		
56 USB Port <x> Disabled	Data has been sent to the printer through a USB port, but the USB port is disabled.	<ul style="list-style-type: none"> • 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.
56 Standard USB Port Disabled		
57 Configuration Change	The printer cannot restore jobs from the disk because the printer trays or drawers have been changed.	Press Go to clear the message. Some of the Print and Hold jobs stored on the disk will not be restored.
58 Input Config Error	Too many drawers with matching trays are installed on the printer.	Turn off and unplug the printer. Remove the additional drawers or reconfigure the offending option. Plug in the printer and turn it on. Note: To prevent an electrical overload, plug your printer into a well-grounded outlet on a non-ground fault interrupter (GFI) circuit. See also: <i>Setup Guide</i>

Understanding printer messages

Message	What this message means	What you can do
58 Too Many Bins Attached	<ul style="list-style-type: none"> Too many output bins are installed. An unsupported configuration of output bins is installed. 	<p>Turn off and unplug the printer. Remove the additional output option(s). Plug in the printer and turn it on.</p> <p>Note: To prevent an electrical overload, plug your printer into a well-grounded outlet on a non-ground fault interrupter (GFI) circuit.</p> <p>See also: <i>Setup Guide</i></p>
58 Too Many Disks Installed	Too many hard disks are installed on the printer. The printer only supports one hard disk at a time.	<p>Turn off and unplug the printer. Remove the excess hard disks from the printer. Plug in the printer and turn it on.</p> <p>Note: To prevent an electrical overload, plug your printer into a well-grounded outlet on a non-ground fault interrupter (GFI) circuit.</p>
58 Too Many Flash Options	Too many flash memory options are installed on the printer.	<p>Turn off and unplug the printer. Remove the excess flash memory. Plug in the printer and turn it on.</p> <p>Note: To prevent an electrical overload, plug your printer into a well-grounded outlet on a non-ground fault interrupter (GFI) circuit.</p>
58 Too Many Trays Attached	Too many drawers with matching trays are installed.	<p>Turn off and unplug the printer. Remove the additional drawers. Plug in the printer and turn it on.</p> <p>Note: To prevent an electrical overload, plug your printer into a well-grounded outlet on a non-ground fault interrupter (GFI) circuit.</p>
61 Defective Disk	The printer detects a defective hard disk.	<ul style="list-style-type: none"> Press Go to clear the message and continue printing. Install a different hard disk before you perform any operations that require one. <p>See also: <i>Setup Guide</i></p>
62 Disk Full	There is not enough memory on the hard disk to store the data sent to the printer.	<ul style="list-style-type: none"> 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.

Understanding printer messages

Message	What this message means	What you can do
63 Unformatted Disk	The printer detects an unformatted hard disk.	<ul style="list-style-type: none"> • 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.
64 Unsupported Disk Format	The printer detects an unsupported disk format.	<ul style="list-style-type: none"> • Press Go to clear the message. • Format the disk. <p>Note: Disk operations are not allowed until the disk is formatted.</p>
80 Belt Exhausted	The transfer belt has reached its end of life.	<p>Replace the transfer belt.</p> <p>See also:</p> <p>Replacing the transfer belt</p>
80 Belt Life Warning	The transfer belt is nearing its end of life. If you do not have a transfer belt on hand, order one now. You can print approximately 500 pages before the 80 Belt Exhausted message appears.	<p>Press Go to clear the message and continue printing. The Supplies message is displayed until you replace the transfer belt.</p> <p>See also:</p> <p>Replacing the transfer belt</p>
80 Fuser/Belt Exhausted	The transfer belt and fuser have reached their end of life.	<p>Replace the transfer belt and fuser.</p> <p>See also:</p> <p>Replacing the transfer belt; Replacing the fuser</p>
80 Fuser/Belt Life Warning	The transfer belt and fuser are nearing their end of life. If you do not have a replacement transfer belt and fuser, order them now. You can print approximately 500 pages before the 80 Belt/Fuser Exhausted message appears.	<p>Press Go to clear the message and continue printing. The Supplies message is displayed until you replace the transfer belt and fuser.</p> <p>See also:</p> <p>Replacing the transfer belt; Replacing the fuser</p>
80 Fuser Exhausted	The fuser has reached its end of life.	<p>Replace the fuser.</p> <p>See also:</p> <p>Replacing the fuser</p>

Understanding printer messages

Message	What this message means	What you can do
80 Fuser Life Warning	The fuser is nearing its end of life. If you do not have a replacement fuser, order one now. You can print approximately 500 pages before the 80 Fuser Exhausted message appears.	Press Go to clear the message and continue printing. The Supplies message is displayed until you 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 and discard the code. Retransmit the microcode data from the host computer.
84 All Photo Devs Exhausted	All of the photodevelopers have reached their end of life.	<ul style="list-style-type: none"> • Replace all of the photodevelopers. Make sure you also install the new fuser coating roll that is included in each photodeveloper kit. • If the print quality is still acceptable and you do not want to replace the photodevelopers yet, press Go to clear the message and continue printing.
84 Black Photo Dev Exhausted	The black photodeveloper has reached its end of life.	<ul style="list-style-type: none"> • Replace the black photodeveloper. Make sure you also install the new fuser coating roll that is included in the black photodeveloper kit. • If the print quality is still acceptable and you do not want to replace the photodeveloper yet, press Go to clear the message and continue printing.
84 Black Photo Dev Life Warning	The black photodeveloper is nearing its end of life. If you do not have a replacement black photodeveloper kit, order one now. You can print approximately 100 pages before the 84 Black Photo Dev Exhausted message appears.	Press Go to clear the message and continue printing. The Supplies message is displayed until you replace the photodeveloper.
84 <color> Photo Dev Abnormal	The printer has detected an abnormal photodeveloper.	Install a new photodeveloper to clear the message and continue printing.
84 Color Photo Devs Exhausted	The color photodevelopers have reached the end of their lives.	<ul style="list-style-type: none"> • Replace the color photodevelopers. Make sure you replace all three (Cyan, Magenta, and Yellow) at the same time. • If the print quality is still acceptable and you do not want to replace the photodevelopers yet, press Go to clear the message and continue printing.

Understanding printer messages

Message	What this message means	What you can do
84 Color Photo Dev Life Warning	The color photodevelopers are nearing the end of their lives. If you do not have a new color photodeveloper kit, order one now. You can print approximately 100 pages before the 84 Color Photo Devs Exhausted message appears.	Press Go to clear the message and continue printing. The Supplies message is displayed until you replace the photodevelopers. Note: The Cyan, Magenta, and Yellow photodevelopers are packaged together. You cannot order them separately.
85 Coating Roll Exhausted	The oil coating roll has reached its end of life.	<ul style="list-style-type: none"> • Replace the oil coating roll. • If the print quality is still acceptable and you do not want to replace the oil coating roll yet, press Go to clear the message and continue printing.
85 Coating Roll Life Warning	The oil coating roll is nearing its end of life. If you do not have a replacement oil coating roll, order one now. You can print approximately 500 pages before the 85 Coating Roll Exhausted message appears.	Press Go to clear the message and continue printing. The Supplies message is displayed until you replace the oil coating roll.
86 Abnormal Coating Roll	The printer has detected an abnormal coating roll.	Install a good coating roll to clear the message and continue printing.
88 <color> Toner Empty	The printer has ceased operating because the specified toner cartridge is empty. You cannot print until you replace the specified toner cartridge.	Install a new toner cartridge.
88 <color> Toner Low	The printer has detected that the toner supply in the specified cartridge is low. If you do not have the specified toner cartridge, order one now. You can print approximately 250 more pages before the cartridge becomes empty.	<ul style="list-style-type: none"> • Replace the specified toner cartridge. • Press Go to clear the message and continue printing. The Supplies message is displayed until you replace the specified toner cartridge.
900–999 Service <message>	Messages 900–999 relate to printer problems that may require 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

6

Clearing paper jams

By carefully selecting print media and loading them properly, you should be able to avoid most paper jams. If jams do occur, follow the steps outlined in this section.

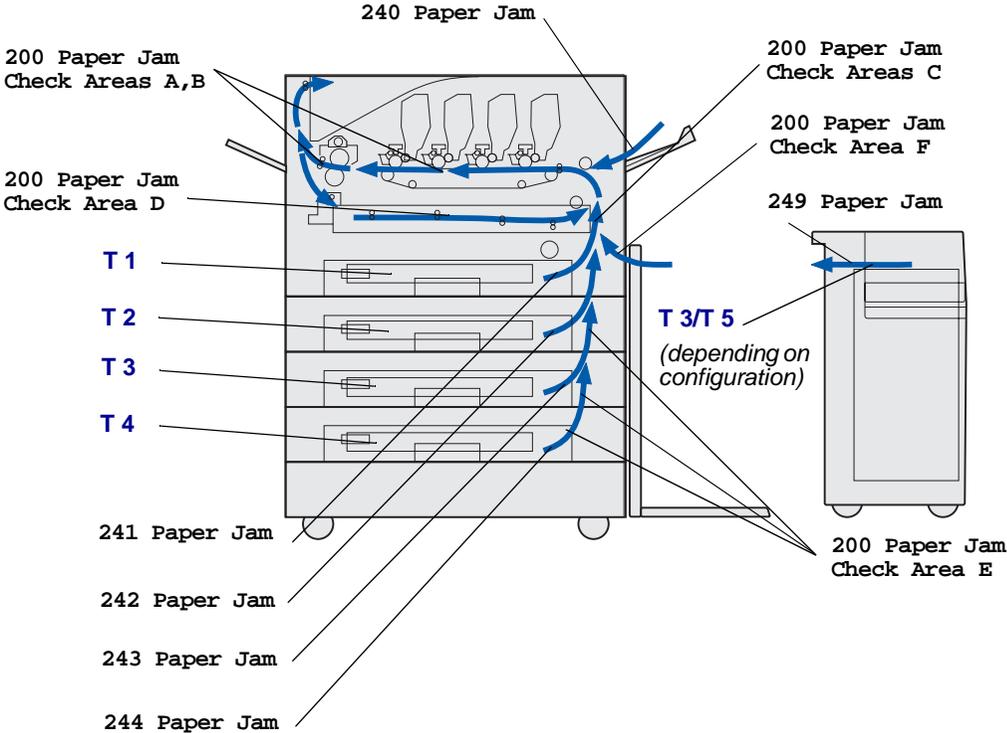
To resolve the paper jam messages, you must clear the jammed area and then press **Go** to clear the message and resume printing. The printer prints a new copy of the page that jammed if Jam Recovery is set to On or Auto; however, the Auto setting does not guarantee the page will print.

To clear paper jams in the Finisher, see the Finisher Manual to locate jam access areas.

Identifying paper jam areas

See the diagram below for the path the paper travels through the printer and options, and areas where jams may occur. The path varies depending on the paper source and output bin.

Click a message below for more information.



200 Paper Jam <x> Pages Jammed (Check Areas A-F, T1-5, MPF)

This message identifies the areas (A–F, MPF, or T1–T5) you need to check to remove the paper or to clear the message. The display alternates between 200 Paper Jam <x> Pages Jammed and Check Areas A–F, T1–5, MPF:

Jam message	Jam message
Check Areas A,B	Check Area F
Check Area C	Check MPF
Check Area D	Check T1–T4
Check Area E	Check T5

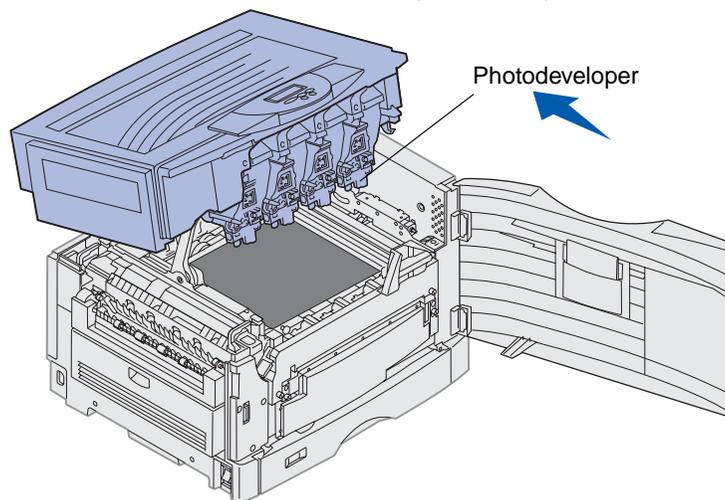
Note: If there is a paper jam when you turn the printer on, the second line of the 200 Paper Jam message is blank. To resolve the message, you must clear all paper from the paper path.

Check Areas A,B

This message indicates a paper jam in the transfer belt, fuser, or output roller area. To clear areas A–B:

- 1 Complete the steps to open the top cover.

Note: If you need instructions on how to open the top cover, see [Opening the top cover](#).



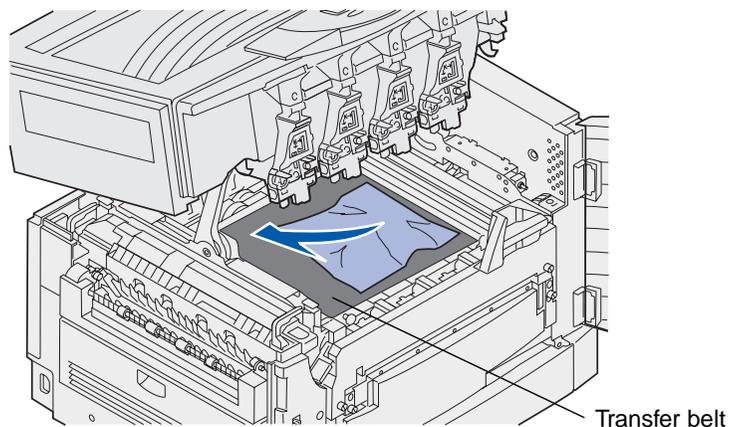
Warning: Never touch the photodeveloper drum on the underside of the toner cartridge.

Note: The paper may be covered with unfused toner, which can stain garments.

Clearing paper jams

- 2 Remove any paper on the transfer belt.

If the paper source was the multipurpose feeder, check the area between the multipurpose feeder and the transfer belt.



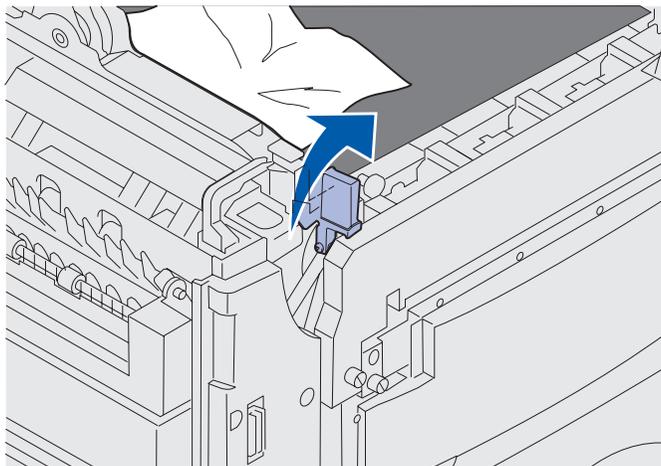
Warning: Do not use any pointed objects to remove the paper. This could cause permanent damage to the transfer belt.

- 3 Check the fuser area and top cover for additional jams.

If there is no jam in the fuser area or top cover, close the top cover and front door, and then press **Go**. If a jam is present, continue with step 4.

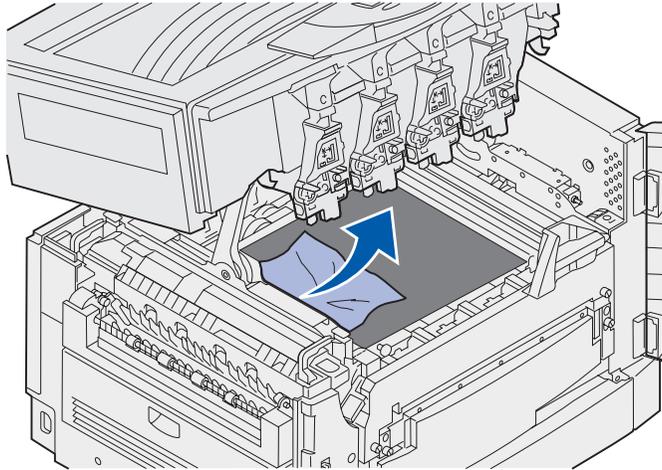
Note: If you need instructions on how to close the top cover, see [Closing the top cover](#).

- 4 Lift the fuser pressure release lever.

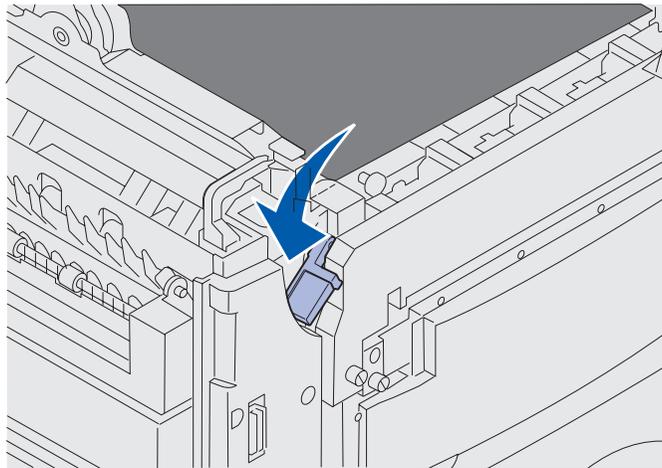


Clearing paper jams

- 5 Slowly pull the paper out of the fuser toward the inside of the printer.



- 6 Rotate the fuser pressure release lever down.



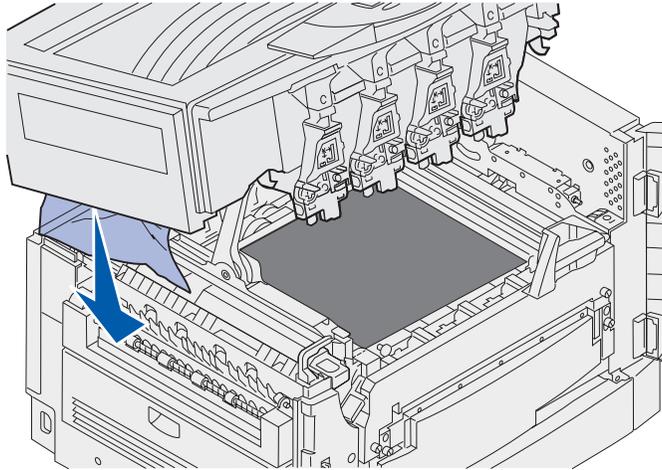
Note: The top cover will not close until the lever is in the down position.

- 7 Check the top cover for additional jams.

If there is no jam in the top cover, close the top cover and front door. If a jam is present, continue with step 8.

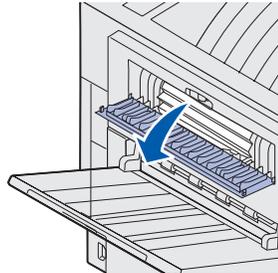
Clearing paper jams

- 8** Remove the jam from the top cover.

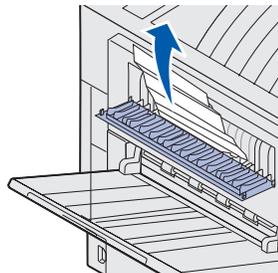


- 9** Close the top cover and the front door.

- 10** Open the jam access door on the left side of the printer.



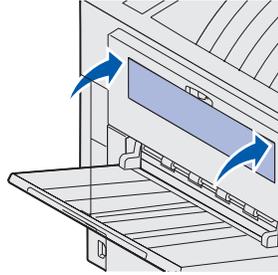
- 11** Remove any paper inside the printer.



Clearing paper jams

12 Close the jam access door.

To prevent additional paper jams, make sure both sides of the door are closed.



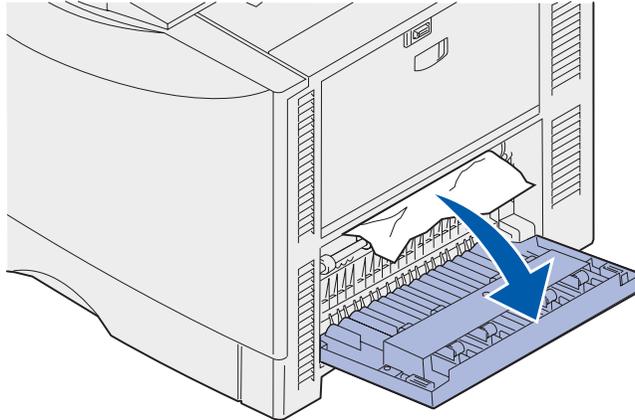
13 Press **Go**.

Clearing paper jams

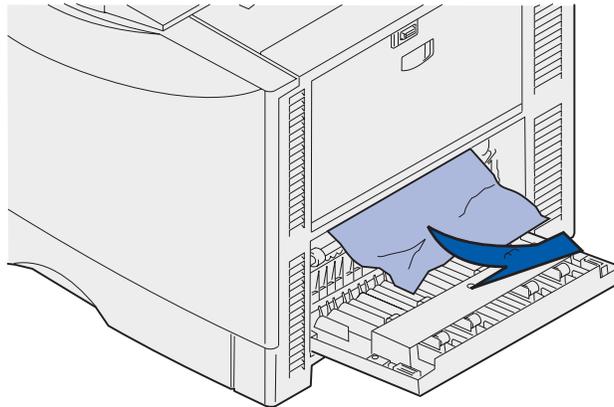
Check Area C

Jams that cause a **Check Area C** message require opening the duplex jam access door. If you are printing on small paper, the following steps may not clear the jam. See [Removing small size paper from the duplex unit](#).

- 1 Open the duplex jam access door on the right side of the printer.



- 2 Remove the jam.



- 3 Press **Go**.

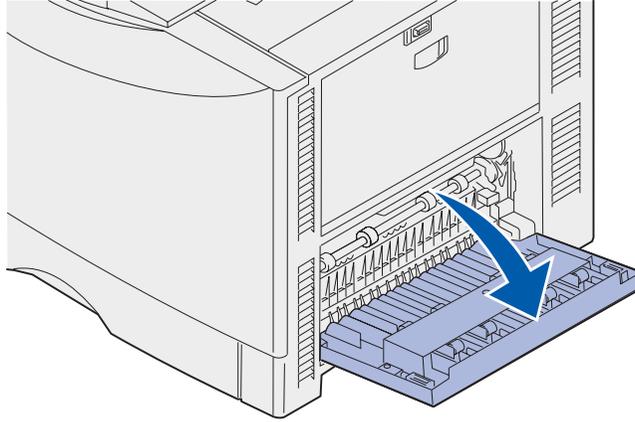
If the paper jam message continues, check and clear all paper from the paper path.

Clearing paper jams

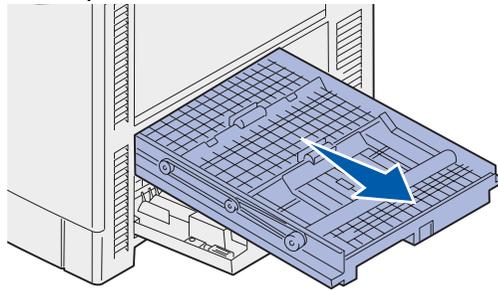
Check Area D

This message indicates a paper jam in the duplex unit area. To clear area D:

- 1 Open the duplex jam access door on the right side of the printer.



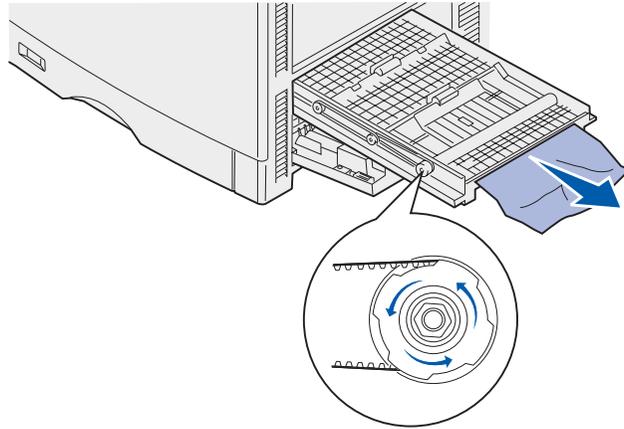
- 2 Gently pull out the duplex unit.



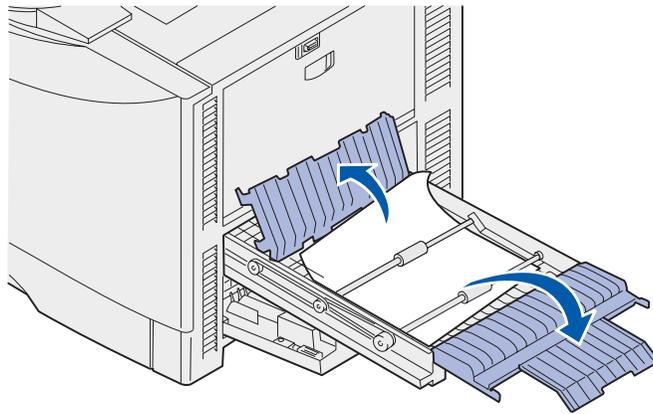
Clearing paper jams

- 3 Turn the paper forwarding dial counterclockwise.

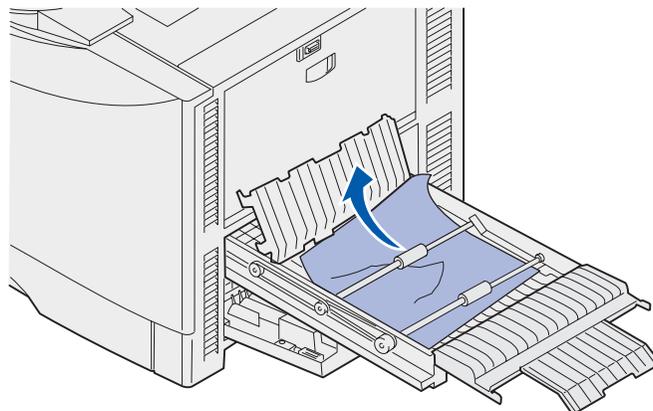
If the paper advances out of the duplex unit, remove the jam and go to step 7. If the paper does not advance, go to step 4.



- 4 Open the duplex unit covers.

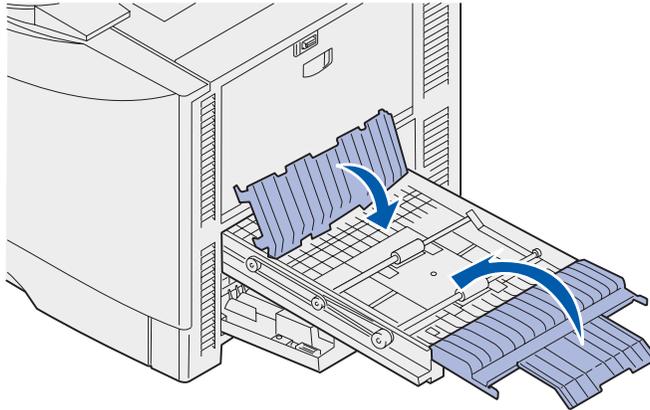


- 5 Remove the jam.

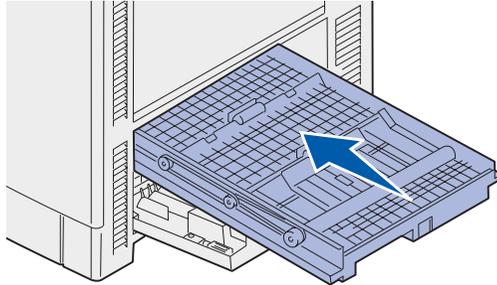


Clearing paper jams

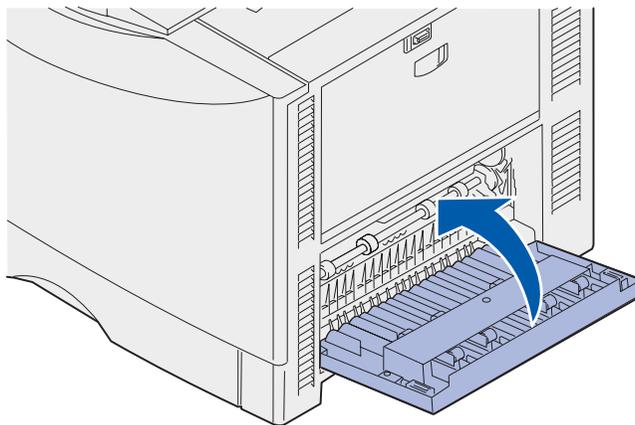
- 6 Close the duplex unit covers.



- 7 Push the duplex unit until it stops.



- 8 Close the access door.



- 9 Press **Go**.

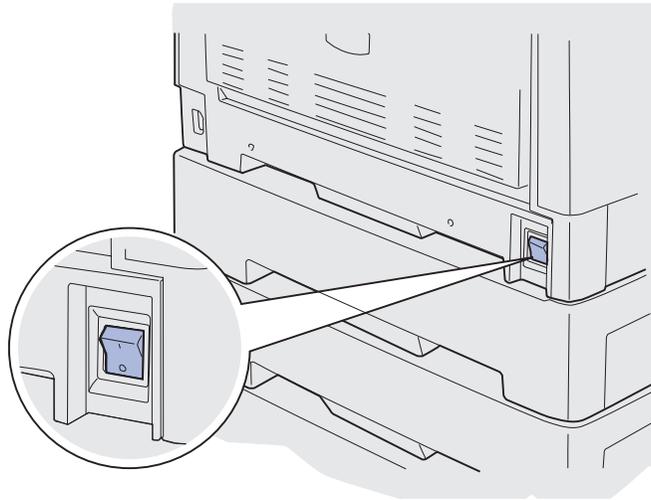
If the paper jam message continues, check and clear all paper from the paper path.

Clearing paper jams

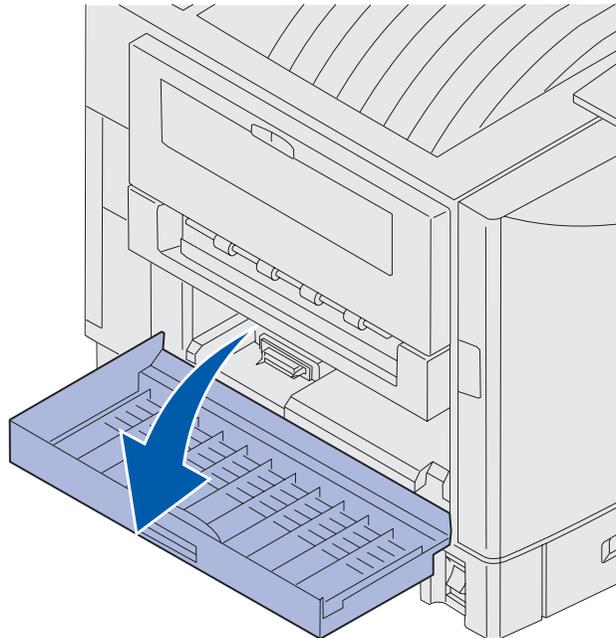
Removing small size paper from the duplex unit

When printing on both sides of A5 or other small size paper, you may need to partially remove the duplex unit to clear the jam.

- 1 Turn off the printer.

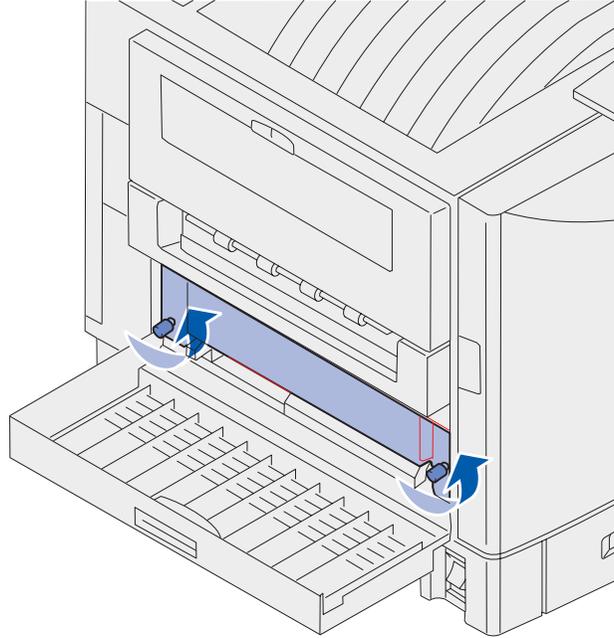


- 2 Open the duplex unit door.

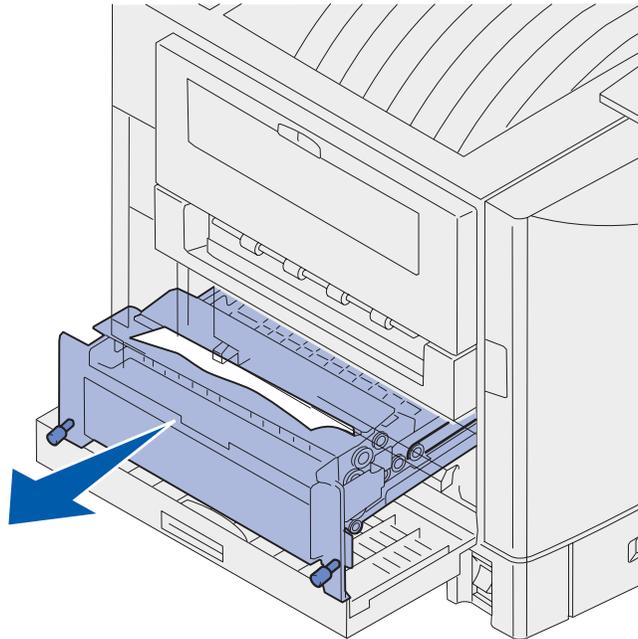


Clearing paper jams

- 3 Loosen the two screws shown.

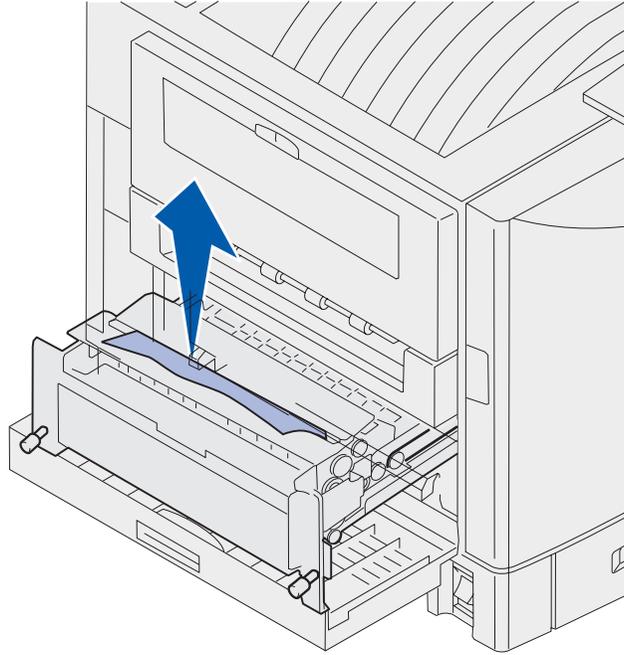


- 4 Pull out the duplex unit far enough to see the duplex unit inlet.

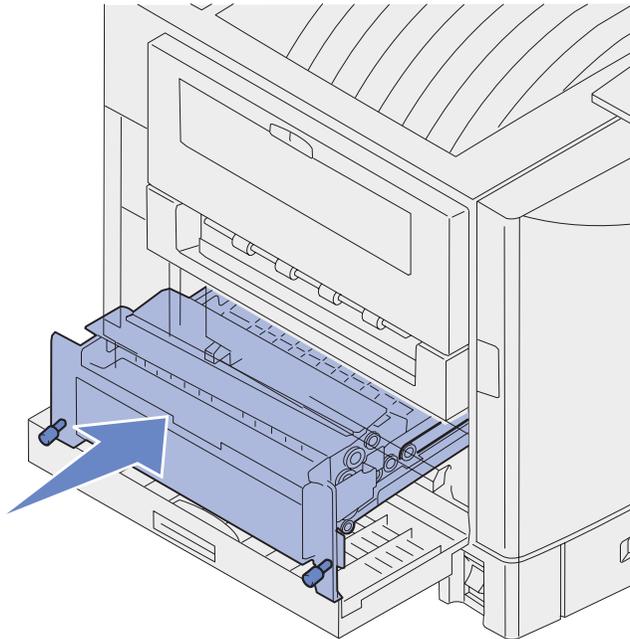


Clearing paper jams

- 5 Remove jam from the duplex unit inlet.

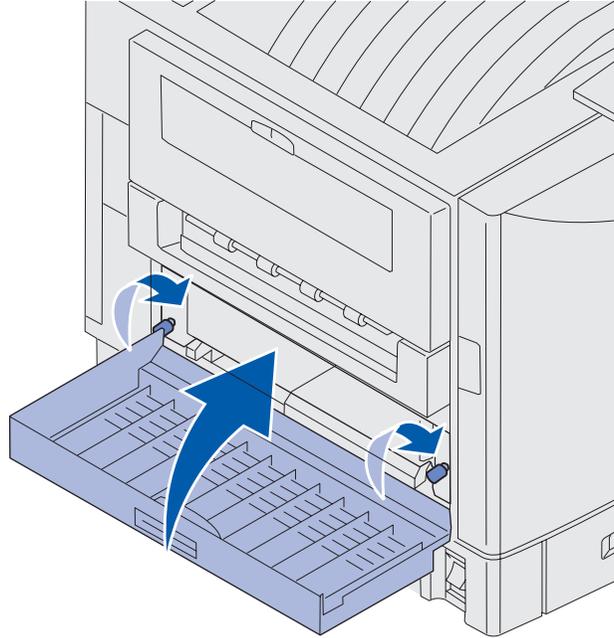


- 6 Slide the duplex unit in.



Clearing paper jams

- 7 Align the thumbscrews on the duplex unit with the holes in the printer.
- 8 Tighten the thumbscrews to secure the duplex unit.
- 9 Close the duplex unit door.



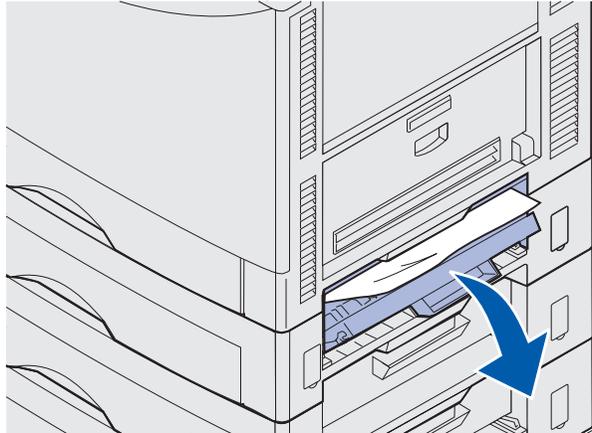
Clearing paper jams

Check Area E

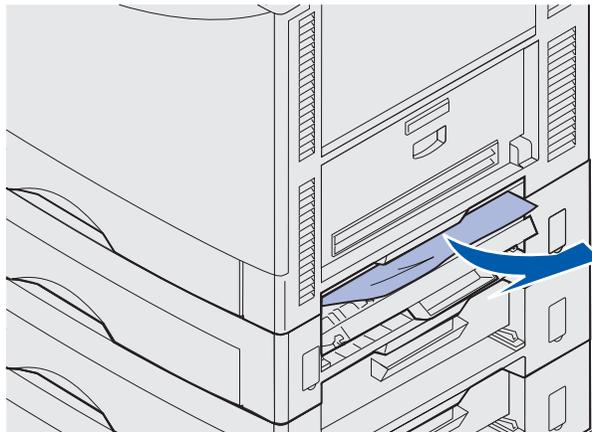
This message indicates a jam in the top, middle, or bottom optional drawer paper path area.

Note: If you have a high capacity feeder, pull the feeder away from the printer.

- 1 Open the jam access door on the top optional drawer.



- 2 Remove the jam.

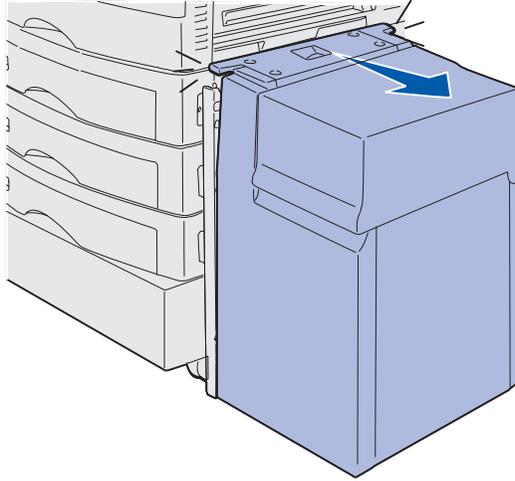


- 3 Close the jam access door.
- 4 Repeat these steps for jams in the middle and bottom drawers.
- 5 Press **Go**. If the paper jam message continues, check and clear all paper from the paper path.

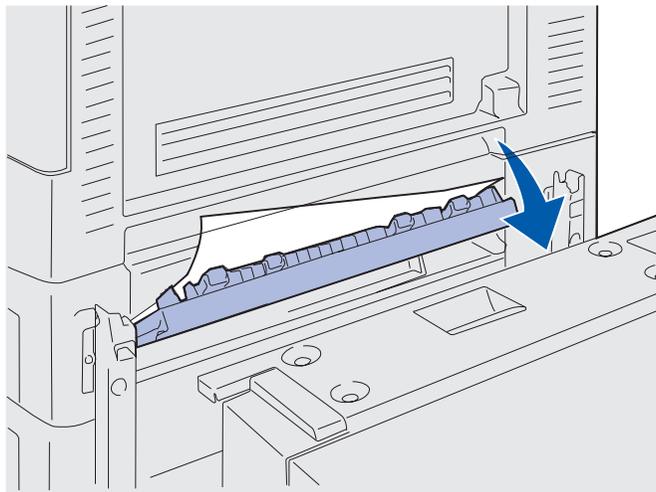
Clearing paper jams

Check Area F

- 1 Pull the high capacity feeder away from the printer.

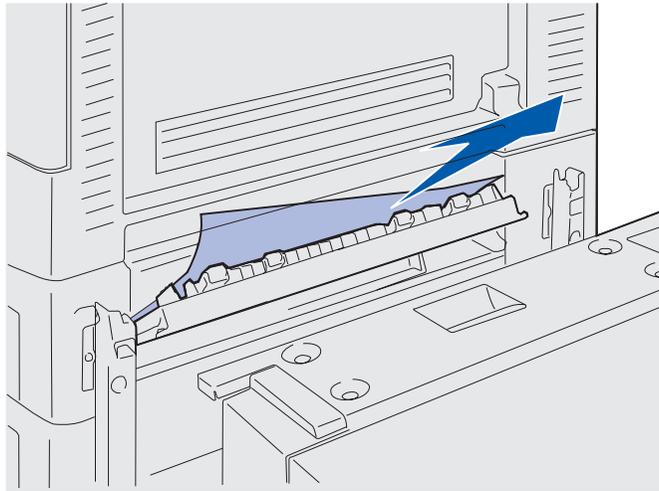


- 2 Open the jam access door on the top optional drawer.

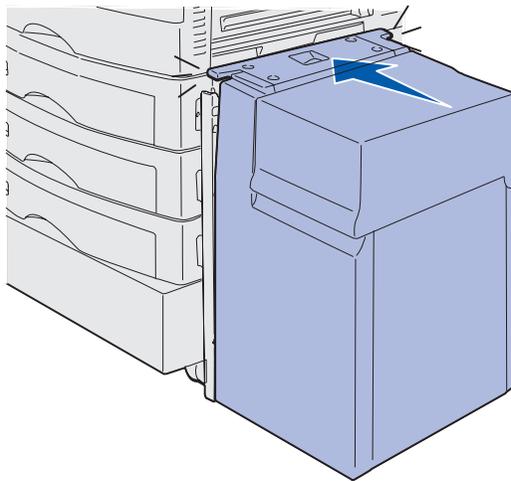


Clearing paper jams

- 3 Remove any jams.



- 4 Close the jam access door.
- 5 Slide the high capacity feeder until the feeder locks to the docking frame.
When the feeder is in the correct position, you hear a *click*.

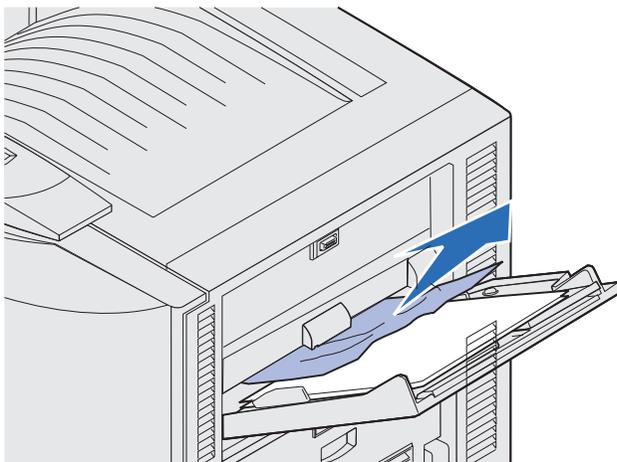


- 6 Press **Go**.
If the paper jam message continues, check and clear all paper from the paper path.

240 Paper Jam Check MP Feeder

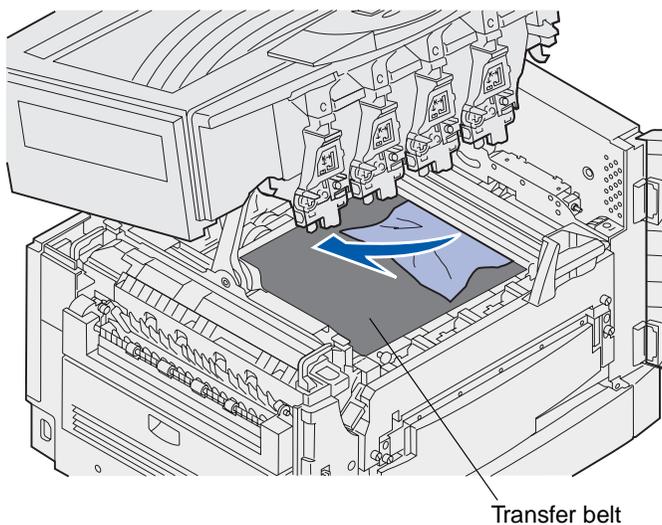
- 1 Slowly pull the jam straight out of the multipurpose feeder, **except when feeding banner paper (11.69 X 36 in.). Clear banner paper jams only in the paper feed direction.**

If the paper will not come out, proceed with step 2.



- 2 Open the top cover.
- 3 Remove the paper on the transfer belt.

Warning: Do not touch, drop, or place anything on the transfer belt. Touching the surface of the transfer belt or placing items on it may cause damage.



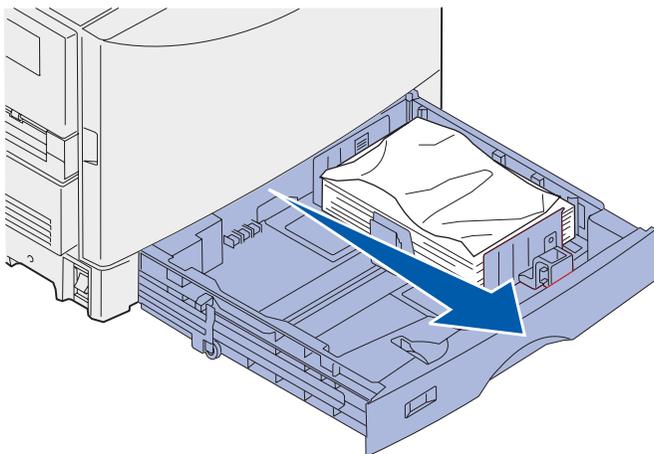
- 4 Close the top cover.
- 5 Press **Go**.

24<x> Paper Jam Check Tray <x>

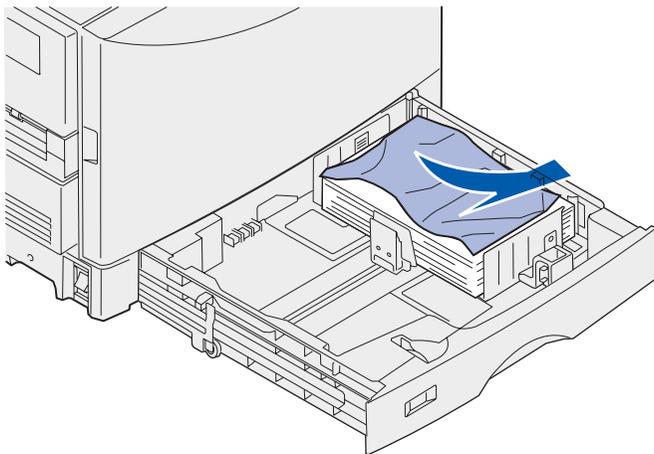
Jams in five areas result in a 24<x> Paper Jam message, where **x** represents the tray number where the jam has occurred. Paper jam messages 241–244 indicate a jam has occurred in one of the paper trays. A 249 Paper Jam Check Tray <x> message indicates a jam has occurred in the high capacity feeder. See [Identifying paper jam areas](#) for tray numbering.

241-244 Paper Jam

- 1 Pull out the tray indicated on the display.

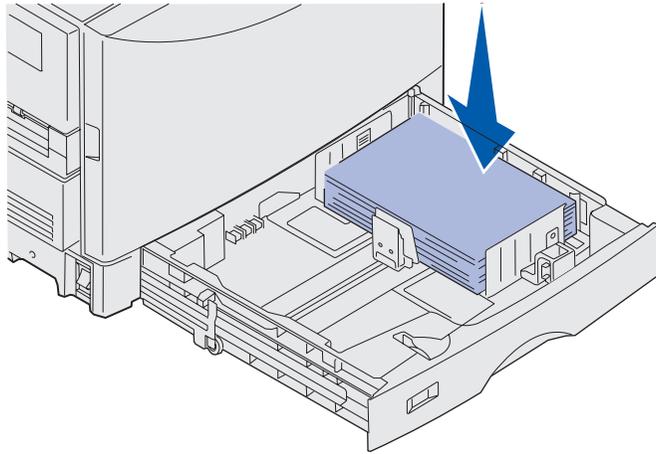


- 2 Remove any wrinkled or creased paper.

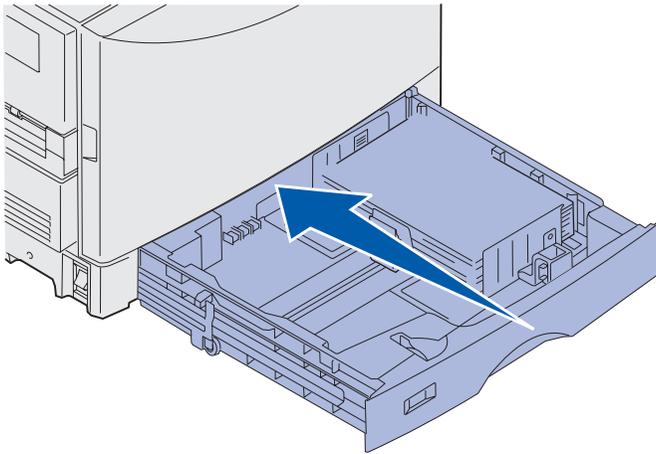


Clearing paper jams

- 3 Push down on the remaining paper in the tray until the bottom plate *clicks* into place.



- 4 Close the tray.



- 5 Press **Go**.

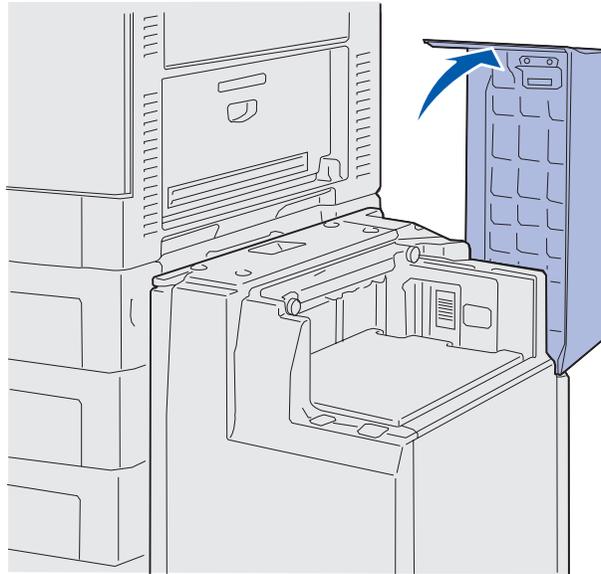
If the paper jam message continues, check and clear all paper from the paper path.

249 Paper Jam Check Tray <x>

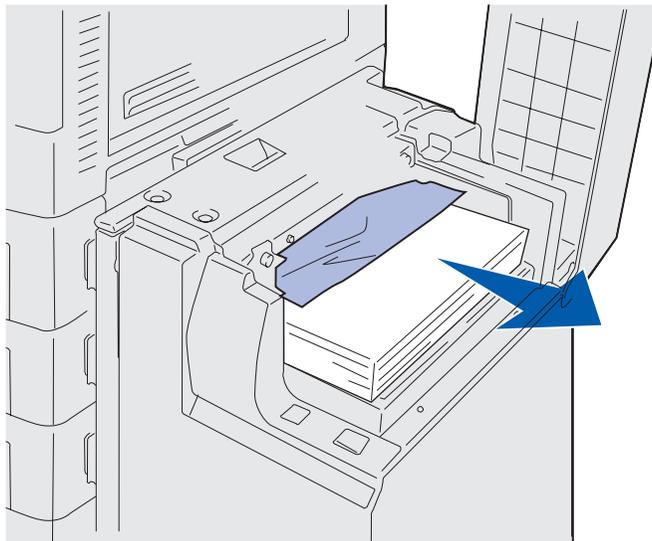
A 249 Paper Jam Check Tray <x> message indicates a jam has occurred in the high capacity feeder.

Note: If you have an optional printer cabinet, the high capacity feeder will be identified as tray 3.

- 1 Open the top cover.

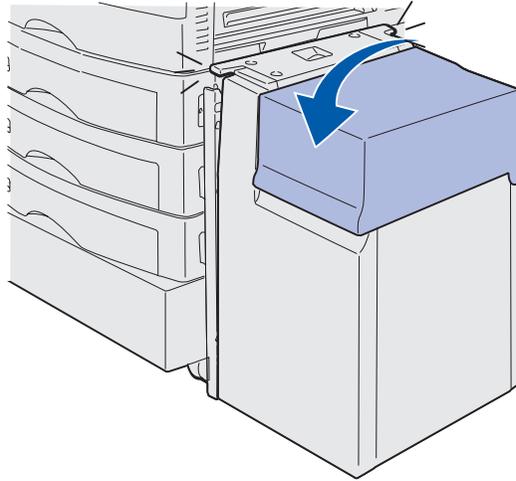


- 2 Remove the jam.



Clearing paper jams

- 3 Close the top cover.



- 4 Press **Go**.

7

Maintenance

Determining supply status

Print the menu settings page to check the status of printer supply items. See [Printing the menu settings page](#) for detailed instructions.

One or two pages print depending on the number of menu settings you have. Look for “Supplies Menu” on the page; each item indicates the percentage of remaining life.

You can also check the status of printer supply items using the operator panel.

- 1 Press **Menu** until you see **Supplies Menu**.
- 2 Press **Select**.
- 3 Press **Menu** until you see **Supplies Life**.
- 4 Press **Select**.
- 5 Press **Menu** to scroll through the printer supply items.

Conserving supplies

Several settings in your program’s 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

Maintenance

Supply	Setting	What the setting does	For more information, see...
Paper and specialty media	Multipage Print in the Finishing Menu	<p>Prints two or more page images on one side of a sheet.</p> <p>Values for Multipage Print are 2 Up, 3 Up, 4 Up, 6 Up, 9 Up, 12 Up, and 16 Up.</p> <p>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).</p>	Multipage Print
	Duplex in the Finishing Menu	Available when you attach an optional duplex unit.	Duplex
Paper and specialty media	<p>Use your software application or printer driver to send a Verify Print job.</p> <p>Use Held Jobs in the Job Menu to access your Verify Print job.</p>	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 Using the Print and Hold function

Ordering supplies

In the U.S. or Canada, call 1-800-438-2468 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 the Lexmark online store at www.lexmark.com to order supplies.

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

Ordering a fuser

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

Use P/N 56P9900 to order a fuser for a 120 V printer. Use P/N 56P9901 to order a fuser for a 230 V printer.

Ordering an oil coating roll

When the **85 Coating Roll Life Warning** message appears on the display, you should order a new oil coating roll.

Use P/N 12N0774 to order an oil coating roll.

Ordering a transfer belt

When the **80 Belt Life Warning** message appears on the display, you should order a new transfer belt.

Use P/N 56P9903 to order a transfer belt.

Ordering a toner cartridge

When the **88 <color> Toner Low** message appears on the display, you should order a new toner 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, or until the **88 <color> Toner Empty** message appears, at which time you must replace the toner cartridge to continue printing.

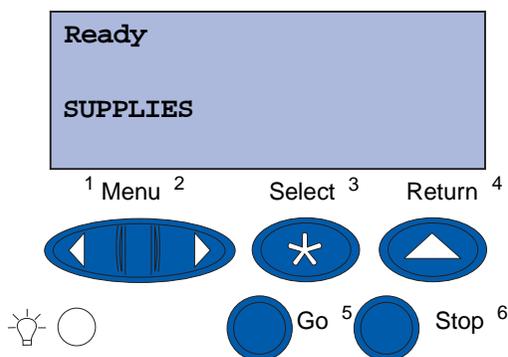
Order the appropriate toner cartridge:

Part number	Toner cartridge	Approximate yield	Approximate coverage
12N0771	Black toner cartridge	14,000 pages	5%
12N0770	Yellow toner cartridge		
12N0768	Cyan toner cartridge		
12N0769	Magenta toner cartridge		

Replacing supplies

The printer calculates and stores information on the number of images that have been printed. When a count for a supply nears the end of the supplies life, the **SUPPLIES** status message appears on the second line of the display to remind you there are supplies that need attention.

Open the **SUPPLIES Menu** to view the supplies that need to be replaced. Replacement of these parts ensures peak printer performance and prevents print quality and paper feed problems resulting from worn parts.



The printer counter keeps track of your toner cartridges, photodevelopers, fuser cleaner, fuser, and transfer belt. It posts a **Low**, **Empty**, **Life Warning**, or an **Exhausted** message on the display when one of these supplies nears or reaches an end of life condition. If you do not have the appropriate supply item, order one when the **Low**, **Empty**, or **Life Warning** message appears.

Press **Go** to clear the message. The **SUPPLIES** status message appears on the second line of the display to remind you there are supplies that need attention. Press **Menu** to open the Supplies Menu and quickly determine the supply items that need to be replaced.

The printer continues to display the **SUPPLIES** status message until you replace the required supply items.

After the **SUPPLIES** status message appears, the printer continues to monitor the required supply items until the supply is exhausted. The printer displays **Low**, **Empty**, **Life Warning**, or **Exhausted**.

To prevent damage to your printer or its components, some supply items do not allow the printer to operate when the item is exhausted. When this occurs, *you must install the appropriate new supplies before you can continue printing.*

To order finisher supplies (staples), see the Finisher Manual.

Storing supplies

Store supplies in their original packaging until you are ready to install them.

Do not store supplies in:

- Temperatures greater than 43°C (110°F)
- An environment with extreme changes in humidity or temperature
- Direct sunlight
- Dusty places
- A car for a long period of time
- An environment where corrosive gases are present
- An environment with salty air

Recycling used supplies

Lexmark's Operation ReSourceSM program lets you participate in a worldwide recycling effort at no cost to you.



Pack your old toner cartridge in the new toner cartridge shipping box. Follow the instructions in the box to send the old cartridge back to Lexmark.

You can also recycle some replacement hardware parts, such as the transfer belt and the fuser.

If a prepaid shipping label is not available for your country/region, contact the place where you bought your printer for additional recycling information.

Warning: Lexmark does not recommend refilling used toner cartridges or purchasing refilled cartridges from a third party. Print quality and printer reliability cannot be guaranteed if you do. The printer warranty does not cover damage caused by using refilled cartridges.

Replacing a photodeveloper

Your printer monitors the life of your photodevelopers. When a photodeveloper reaches the end of its life, the printer displays **84 Black Photo Dev Exhausted** or **84 Color Photo Devs Exhausted**. This message indicates it is time to replace one or more specified photodevelopers. For best print quality, make sure you replace the fuser when the printer displays **84 Black Photo Dev Life Warning** or **84 Color Photo Dev Life Warning**.

Press **Go** to clear the message. The **Supplies** message appears on the second line of the display to remind you that supplies need attention. You can open the **Supplies Menu** to see which photodeveloper is nearly exhausted.

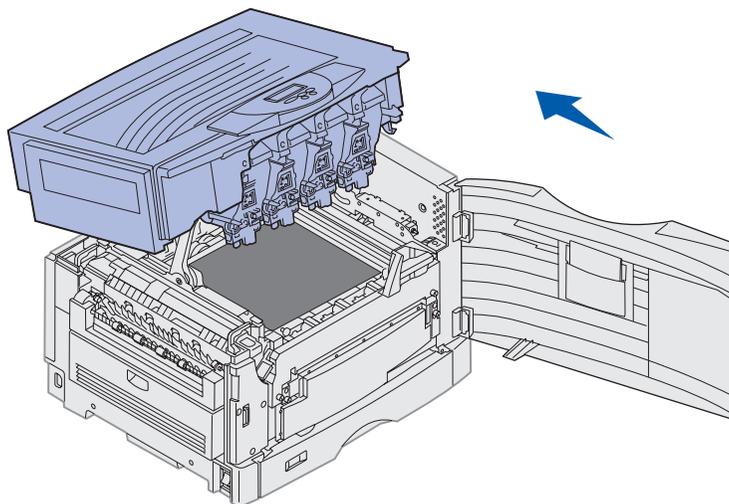
The printer continues to display the **Supplies** message until you replace the photodeveloper or until it is exhausted.

To replace a photodeveloper, use the following steps or the instruction sheet supplied with the photodeveloper.

Removing a photodeveloper

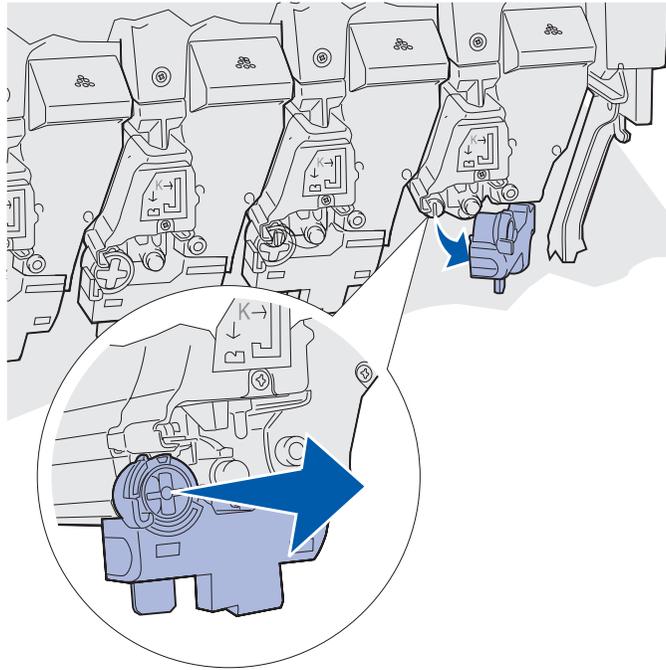
Note: If you need instructions on how to open the top cover, see [Opening the top cover](#).

- 1 Complete the steps to open the top cover.

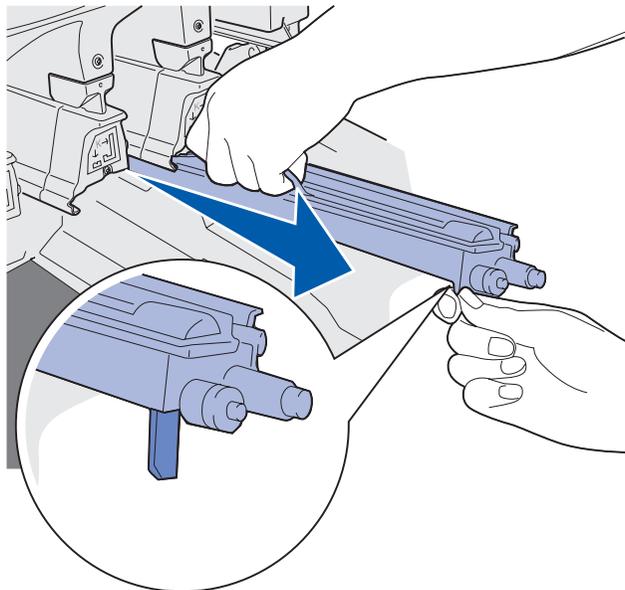


Note: The excess toner on the photodevelopers can soil clothing. Do not clean clothing soiled with toner in hot water; this permanently adheres the toner to the clothing. Use cold water to remove toner.

- 2 Pull the waste toner arm away from the photodeveloper.



- 3 Use the tab to pull the photodeveloper approximately halfway out of the printer. Some force is initially required to pull the photodeveloper past the locking spring.

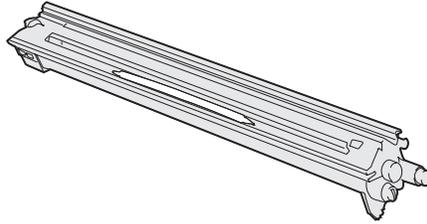


- 4 Grasp the photodeveloper handle and continue to pull the photodeveloper out.

Installing a photodeveloper

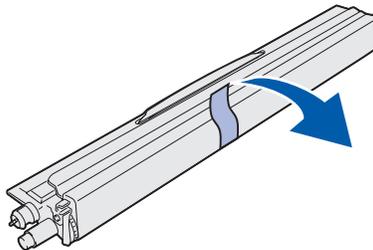
Note: Your printer has four color-coded photodevelopers. Each photodeveloper has its own color-coded position.

- 1 Remove the replacement photodeveloper from the packing material.



Note: The photodeveloper has a cover over the green developer film. Do not remove the cover until you begin installing the photodeveloper in step 4.

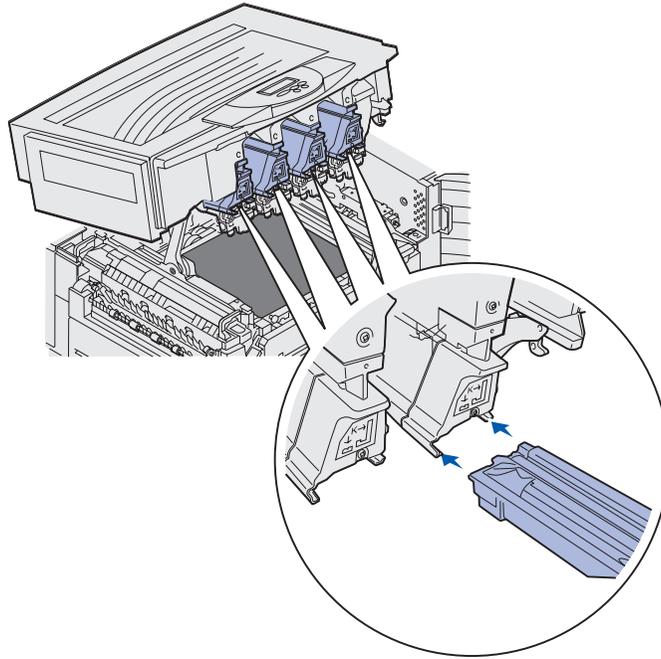
- 2 Remove the tape from the photodeveloper and photodeveloper cover.



Note: The photodevelopers are color matched to a specific toner color and must be placed in a specific location in the printer.

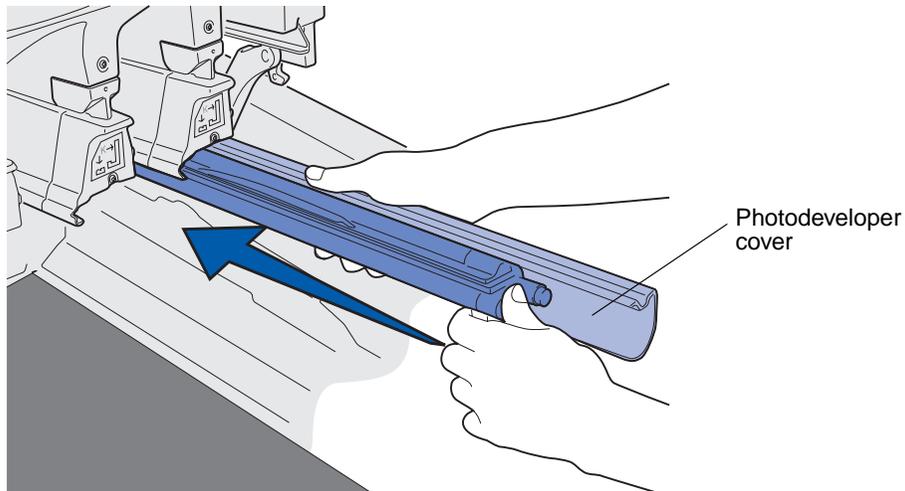
Maintenance

- 3 Align the photodeveloper with the slot under the matching color label.

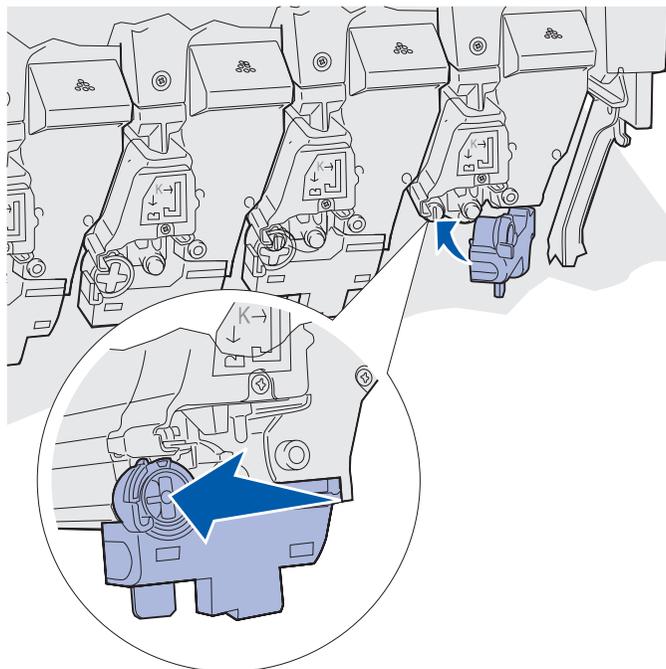


- 4 While holding the photodeveloper with your left hand and the photodeveloper cover with your right hand, slide the photodeveloper into the slot until it is fully seated.

As the photodeveloper slides in, slide off the photodeveloper cover.



- 5 Push the waste toner arm until it connects with the photodeveloper and snaps into place.



- 6 Repeat steps 2 through 5 to install additional photodevelopers.

CAUTION: Before closing the top cover make sure everyone is away from the printer and the area under the cover is free of hands, clothing, and other items.

- 7 Close the top cover and the front door.

Note: If you need instructions on how to close the top cover, see [Closing the top cover](#).

For instructions about replacing other supply items, click one of the following headings:

[Removing the duplex unit](#)

[Replacing the transfer belt](#)

Replacing the fuser

Your printer monitors the life of your fuser. When the fuser reaches the end of its life, the printer displays **80 Fuser Exhausted**. This message indicates it is time for you to replace the fuser. For best print quality, make sure you replace the fuser when the printer displays **80 Fuser Life Warning**.

Press **Go** to clear the message. The **supplies** message appears on the second line of the display to remind you that supplies need attention. You can open the **Supplies Menu** to see the **80 Fuser Exhausted** and **80 Fuser Life Warning** messages.

Maintenance

The printer continues to display the **Supplies** message until you replace the fuser. To replace the fuser, use the following steps or the instruction sheet supplied with the fuser.

Preparing for maintenance

- 1 Turn the printer on.
- 2 Follow the instructions in the table for the message your printer is displaying.

Primary message	Secondary message	What you should do
80 Fuser Life Warning	Select = Replace Go = Continue	Press Select if you want to replace the fuser now. Press Go if you want to wait to replace the fuser.
80 Fuser Exhausted	Select = Replace	Press Select to replace the fuser.
80 Fuser/Belt Life Warning	Select = Replace Go = Continue	Press Select if you want to replace the fuser now. Press Go if you want to wait to replace the fuser.
80 Fuser/Belt Exhausted	Select = Replace	Press Select to replace the fuser.

The **Preparing for Maintenance** message appears while the printer moves parts into position. After the parts are in position, the message **Printer Ready for Maintenance** appears, followed by **Power Off to Replace Items**.

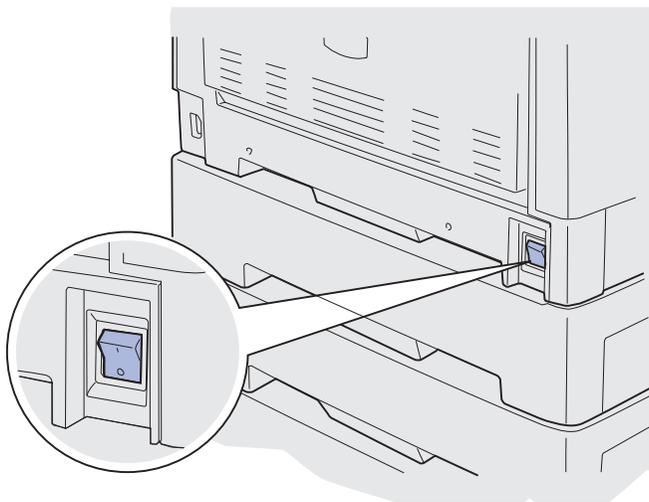
- 3 Turn the printer off.

Removing the fuser

- 1 Complete the steps in **Preparing for maintenance**.
- 2 Make sure the printer is turned off.

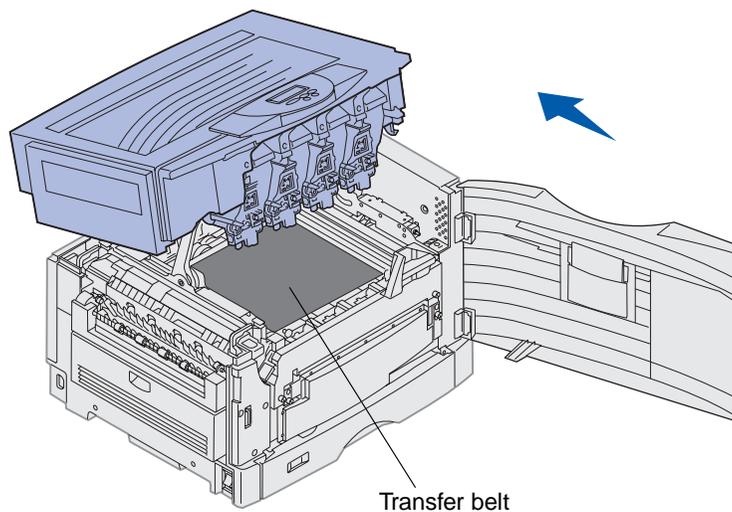
Maintenance

- 3 Turn off or unplug any optional devices connected to the printer.

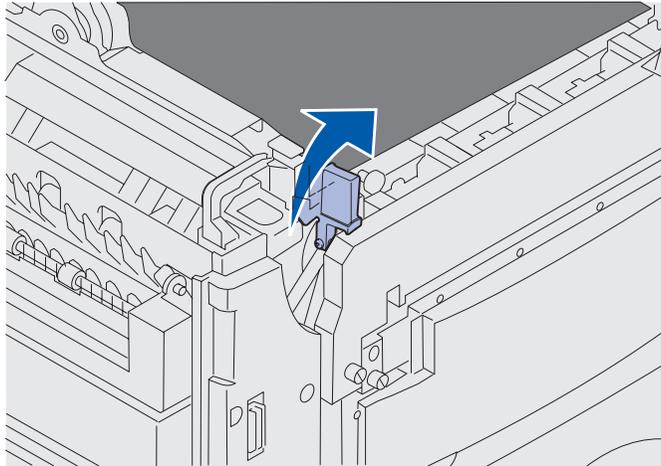


Warning: Do not touch, drop, or place anything on the transfer belt. Touching the surface of the transfer belt or placing items on it may cause damage.

- 4 Complete the steps to open the top cover.



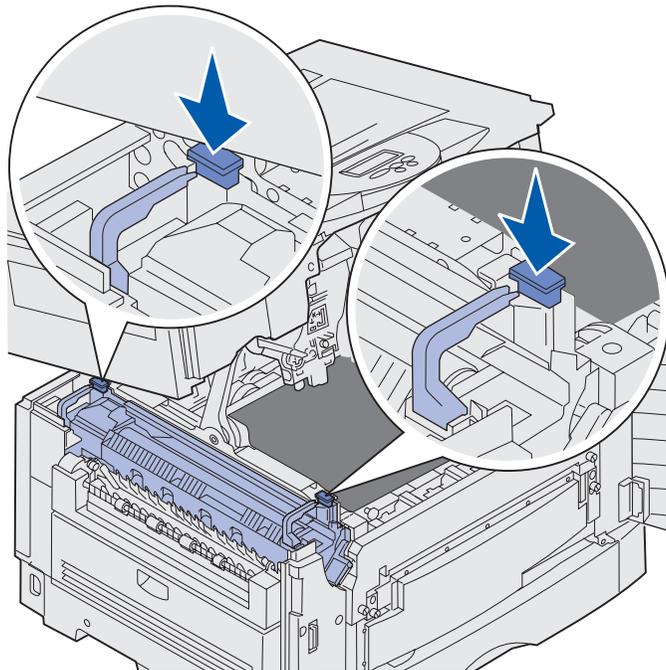
- 5 Lift the fuser pressure release lever up.



Warning: Removing or replacing the fuser while the fuser pressure release lever is in the down position will damage the lever.

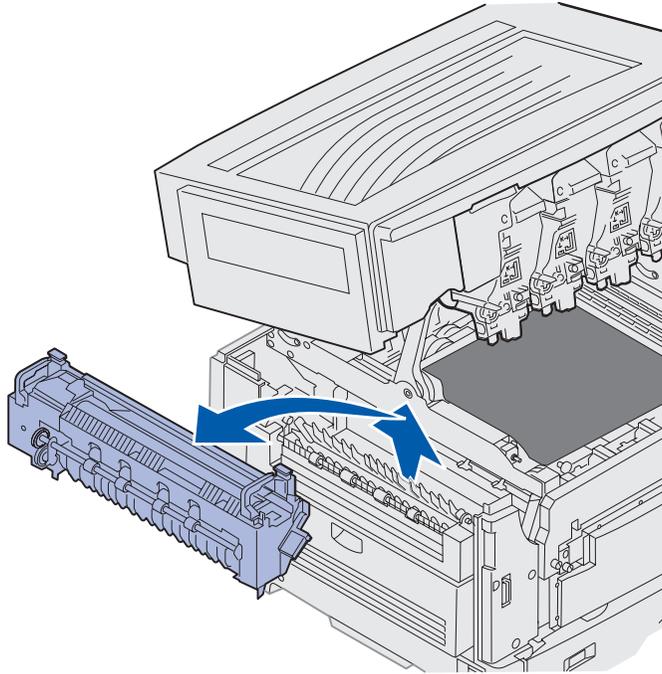
CAUTION: The fuser may be hot! Allow the fuser to cool before touching.

- 6 Grasp the fuser handles and press both fuser release buttons.



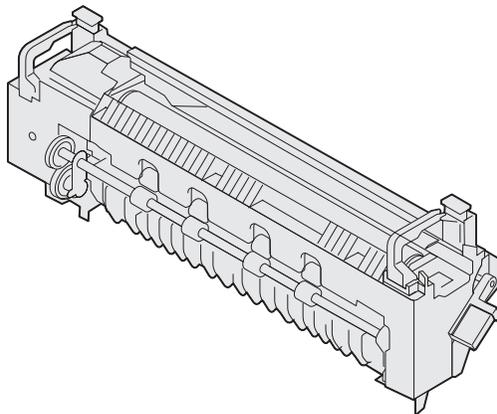
- 7 Lift the fuser up and out.

Note: Do not discard the old fuser at this time. The oil coating roll will be installed in the new fuser.

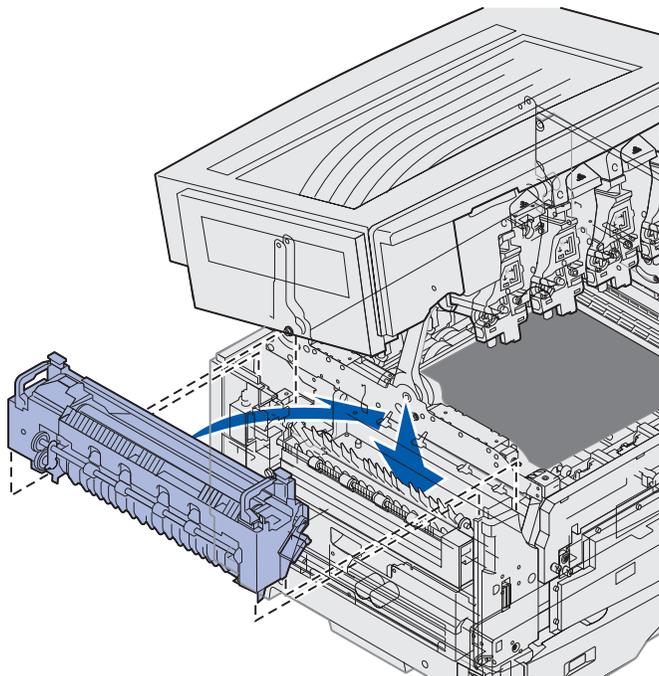


Installing the fuser

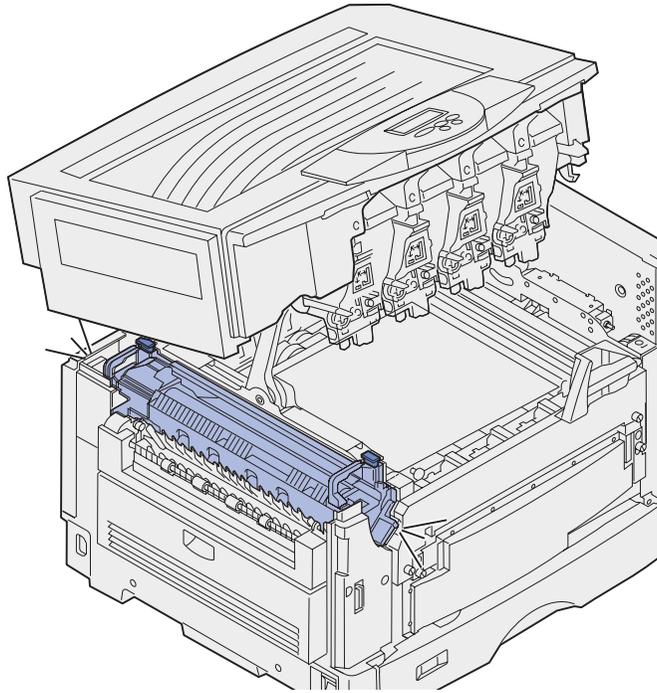
- 1 Remove the replacement fuser from the packing material, and remove any packing material from the fuser.



- 2 Align the new fuser with the opening in the printer.



- 3 Lower the fuser until it *snaps* into place.

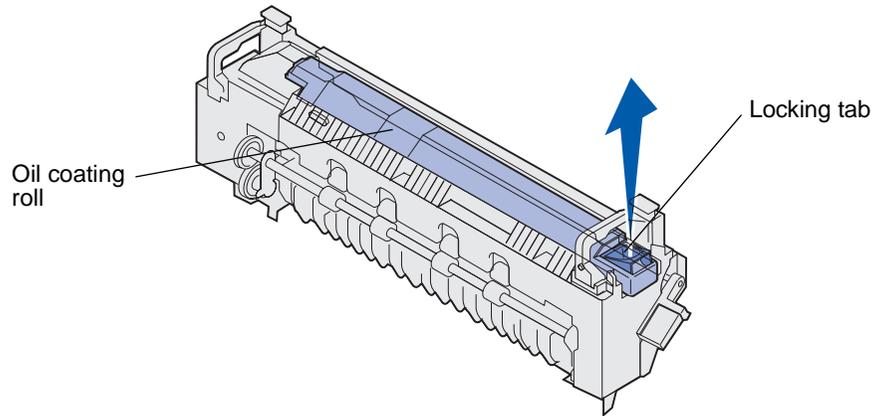


Maintenance

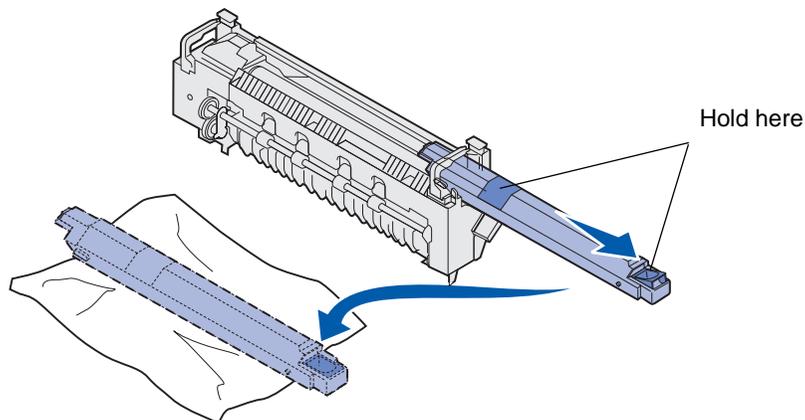
- 4 Remove the oil coating roll from the old fuser.

CAUTION: The oil coating roll may be hot! Allow the oil coating roll to cool before touching.

- a Pull up on the locking tab to unlock the oil coating roll.



- b Slide out the oil coating roll.



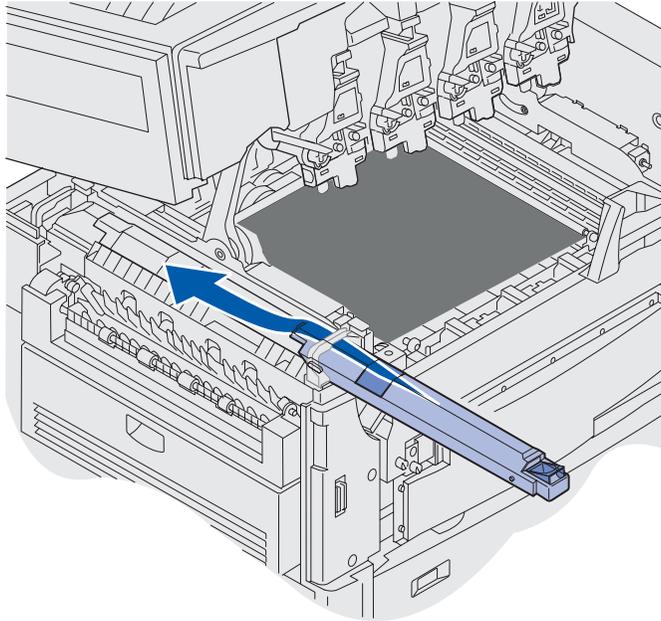
Hold the oil coating roll by the top, as indicated by the dark areas in the illustration.

Note: The underside of the oil coating roll may be covered with oil. If you are not ready to slide the coating roll into the fuser immediately, place the coating roll on a sheet of plastic or other protective material to prevent stains.

Maintenance

5 Install the oil coating roll.

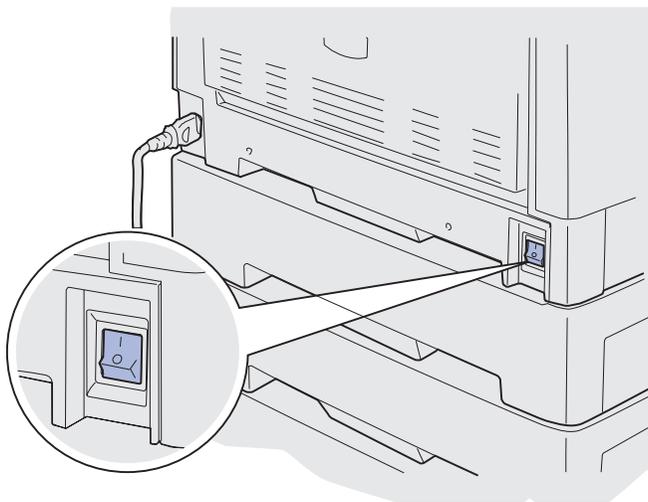
Make sure the oil coating roll drops down into position. It should *click* into place with no gap between it and the fuser.



CAUTION: Before closing the top cover make sure everyone is away from the printer and the area under the cover is free of hands, clothing, and other items.

- 6** Close the top cover and the front door.
- 7** Reconnect any optional devices to the printer.
- 8** Turn the optional devices on.

- 9 Turn the printer on.



The message **Did you replace Fuser?** appears.

- 10 Press **Go** to reset the fuser counter.

Note: If you replaced the fuser after receiving the **80 Fuser/Belt Life Warning** message or the **80 Fuser/Belt Exhausted** message, see [Replacing the transfer belt](#) for instructions on replacing the transfer belt.

For instructions about replacing the transfer belt, click the following heading:

[Replacing the transfer belt](#)

Replacing the oil coating roll

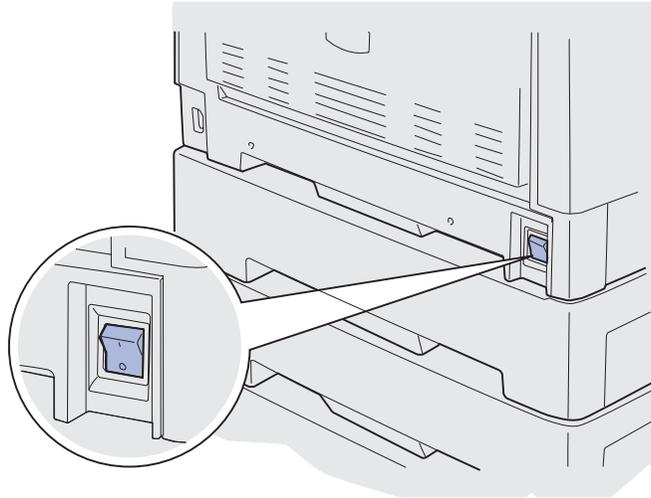
Your printer monitors the life of your oil coating roll. When the oil coating roll reaches the end of its life, the printer displays **85 Coating Roll Exhausted**. This message indicates that you must replace the oil coating roll to continue printing.

For best print quality, make sure you replace the oil coating roll when the printer displays **85 Coating Roll Life Warning**. Press **Go** to clear the message. The printer continues to display the **supplies** message until you replace the oil coating roll.

To replace the oil coating roll, use the following steps or the instruction sheet supplied with the oil coating roll.

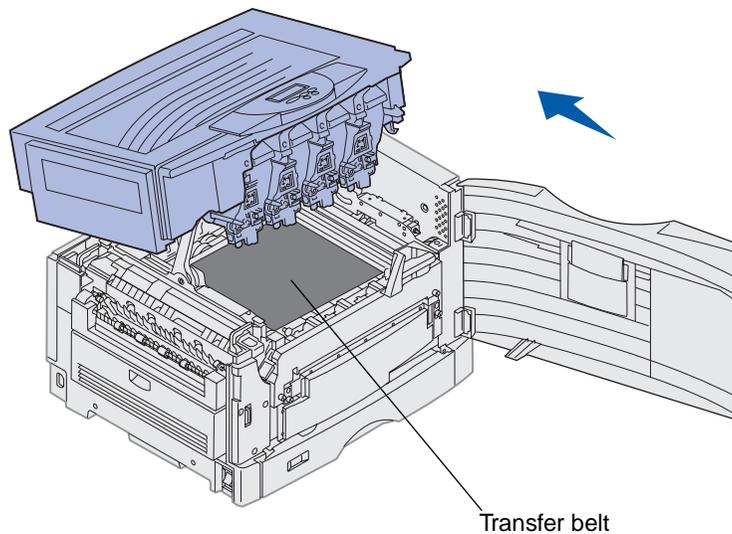
Removing the oil coating roll

- 1 Turn the printer off.
- 2 Turn off or unplug any optional devices connected to the printer.



Warning: Do not touch, drop, or place anything on the transfer belt. Touching the surface of the transfer belt or placing items on it may cause damage.

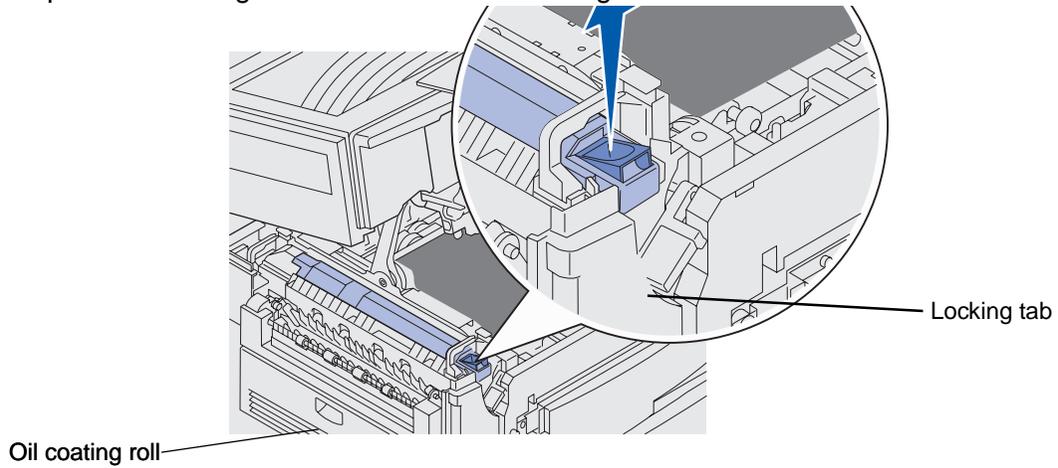
- 3 Complete the steps to open the top cover.



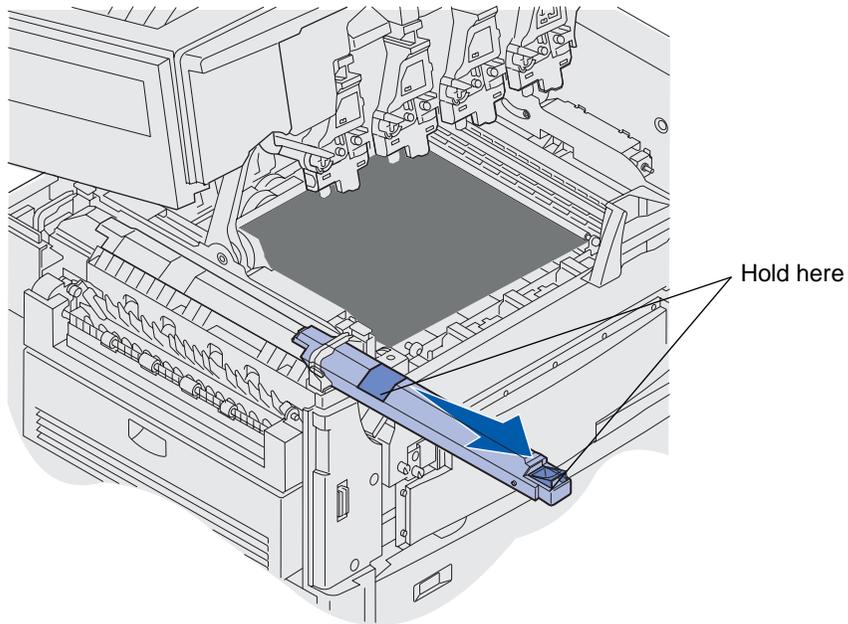
CAUTION: The oil coating roll may be hot! Allow the oil coating roll to cool before touching.

Maintenance

- 4 Pull up on the locking tab to unlock the oil coating roll.



- 5 Slide the oil coating roll out of the fuser.

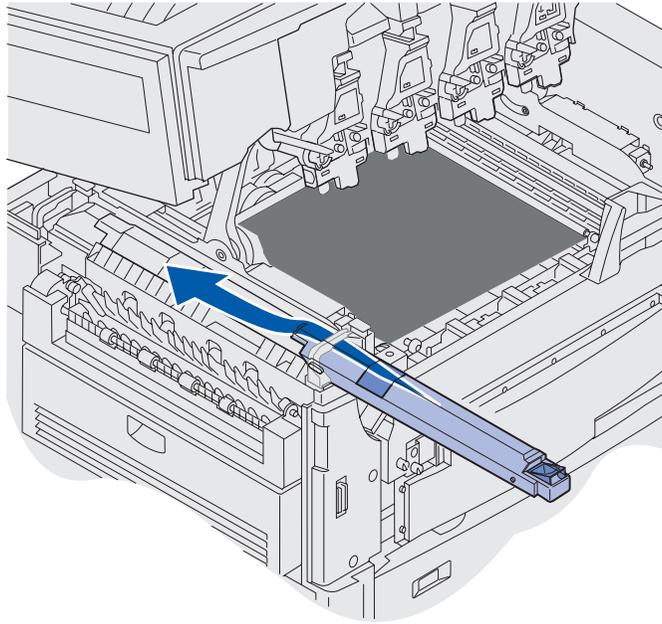


Hold the oil coating roll by the top, as indicated by the dark areas in the illustration.

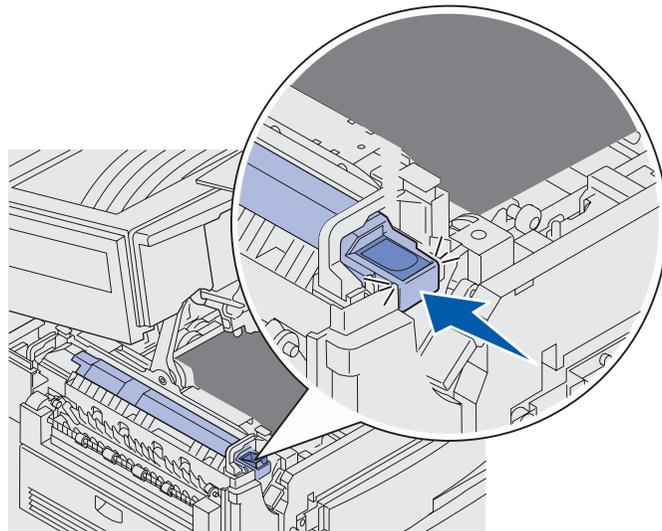
- 6 Remove packing material from the new oil coating roll.

Maintenance

- 7 Slide the oil coating roll into the fuser.



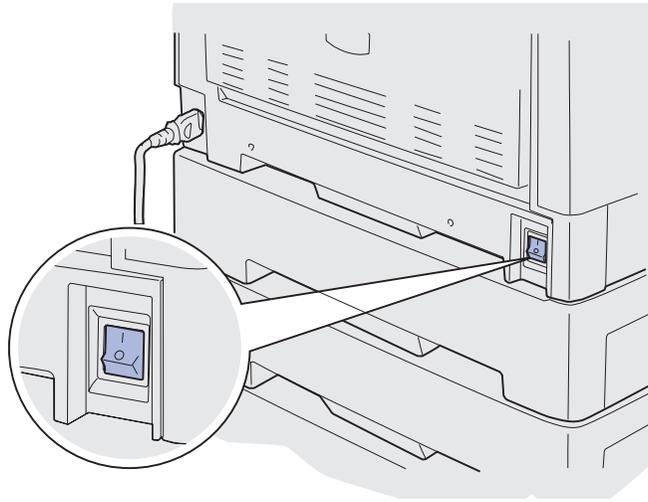
Make sure the oil coating roll drops down into position. It should *click* into place with no gap between it and the fuser.



CAUTION: Before closing the top cover make sure everyone is away from the printer and the area under the cover is free of hands, clothing, and other items.

- 8 Close the top cover and the front door.
- 9 Reconnect any optional devices to the printer.
- 10 Turn the optional devices *on*.

- 11 Turn the printer *on*.



For instructions about replacing other supply items, click one of the following headings:

[Replacing the fuser](#)

[Replacing the transfer belt](#)

Replacing the transfer belt

Your printer monitors the life of your transfer belt. When the transfer belt reaches the end of its life, the printer displays **80 Belt Exhausted**. This message indicates it is time for you to replace the transfer belt. For best print quality, make sure you replace the transfer belt when the printer displays **80 Belt Life Warning**.

Press **Go** to clear the message. The **Supplies** message appears on the second line of the display to remind you that supplies need attention. You can open the **Supplies Menu** to see **80 Belt Exhausted** or **80 Belt Life Warning** messages.

The printer continues to display the **supplies** message until you replace the transfer belt. To replace the transfer belt, use the following steps or the instruction sheet supplied with the transfer belt.

Preparing for maintenance

- 1 Turn the printer on.
- 2 Follow the instructions in the table for the message your printer is displaying.

Primary message	Secondary message	What you should do
80 Belt Life Warning	Select = Replace Go = Continue	Press Select if you want to replace the transfer belt now. Press Go if you want to wait to replace the transfer belt.
80 Belt Exhausted	Select = Replace	Press Select to replace the transfer belt.
80 Fuser/Belt Life Warning	Select = Replace Go = Continue	Press Select if you want to replace the transfer belt now. Press Go if you want to wait to replace the transfer belt.
80 Fuser/Belt Exhausted	Select = Replace	Press Select to replace the transfer belt.

The **Preparing for Maintenance** message appears while the printer moves parts into position. After the parts are in position, the message **Printer Ready for Maintenance** appears, followed by **Power Off to Replace Items**.

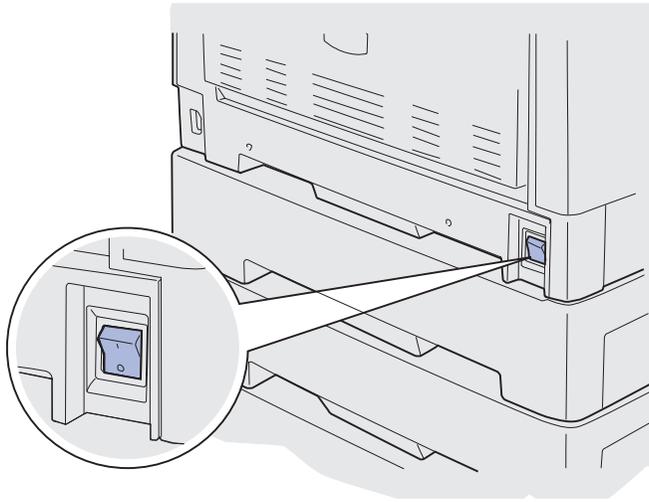
- 3 Turn the printer off.

Removing the transfer belt

- 1 Complete the steps in [Preparing for maintenance](#).
- 2 Make sure the printer is turned off.

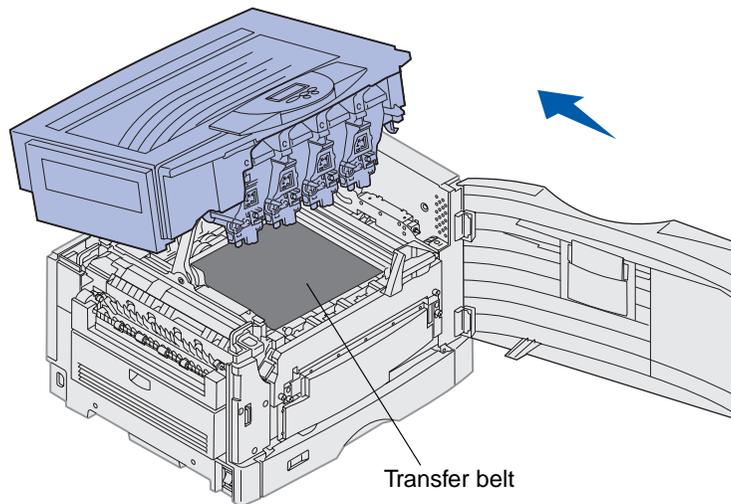
Maintenance

- 3 Turn off or unplug any optional devices connected to the printer.



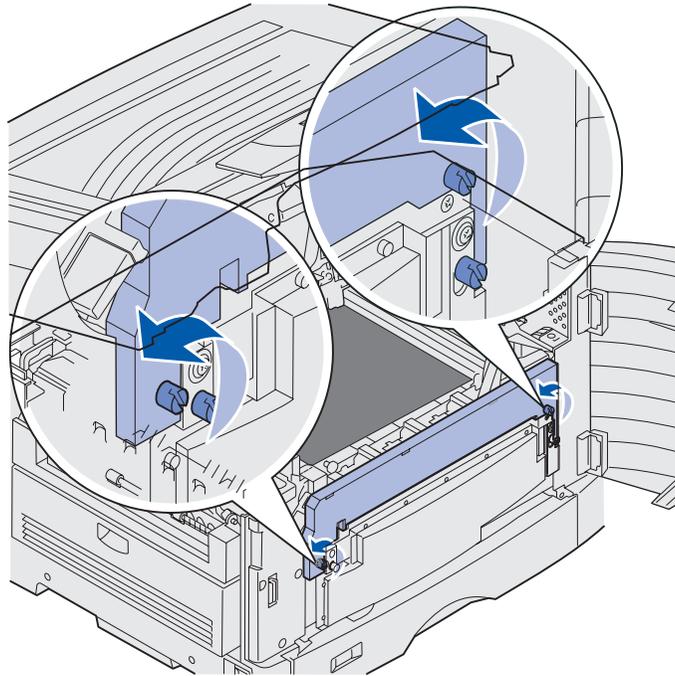
Warning: Do not touch, drop, or place anything on the transfer belt. Touching the surface of the transfer belt or placing items on it may cause damage.

- 4 Complete the steps to open the top cover.

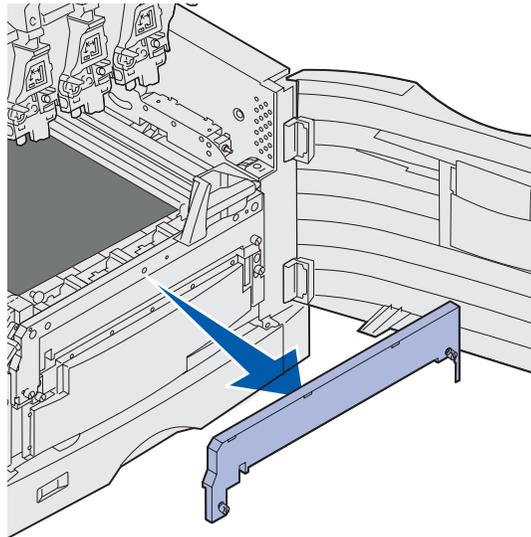


CAUTION: The inside of the printer may be hot! Allow the printer to cool before touching.

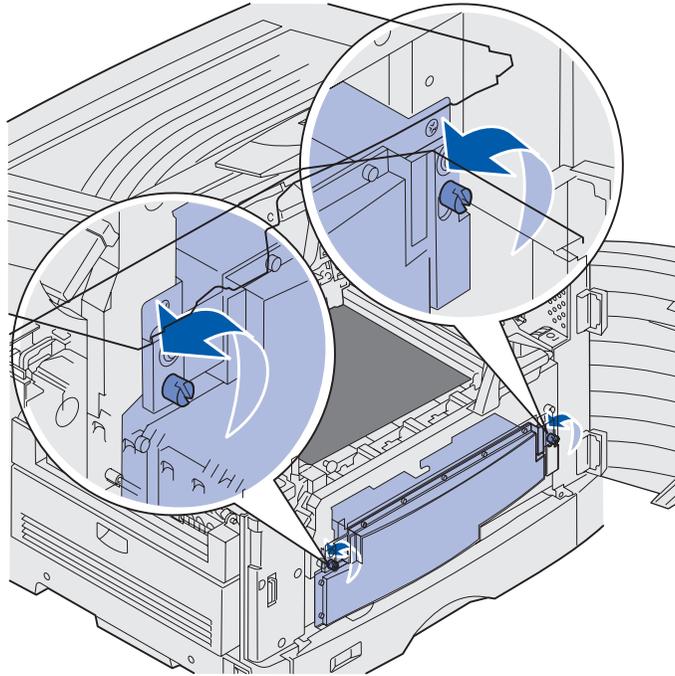
- 5 Loosen the thumbscrews on each side of the transfer belt cover.



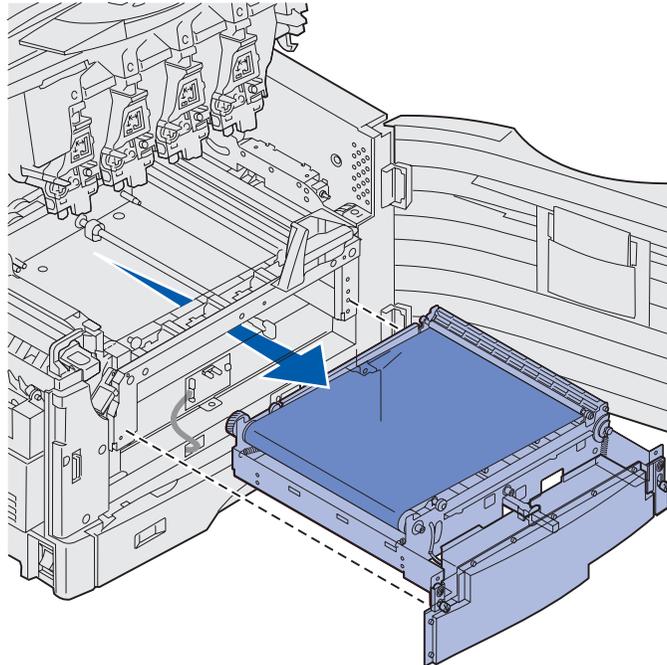
- 6 Lift and remove the transfer belt cover.



- 7 Loosen the thumbscrews on each side of the transfer belt.

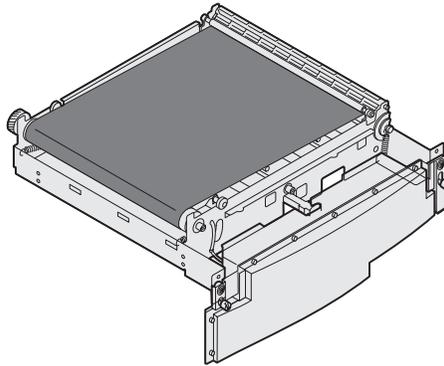


- 8 Pull the transfer belt out.

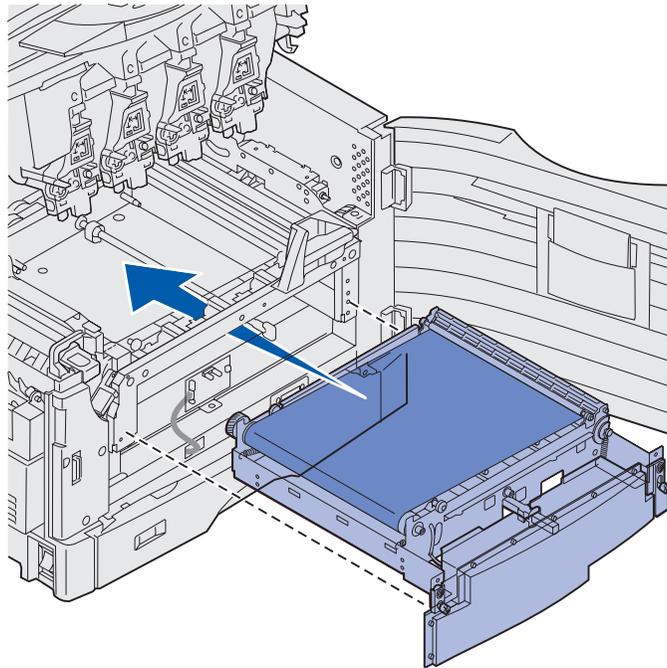


Installing the transfer belt

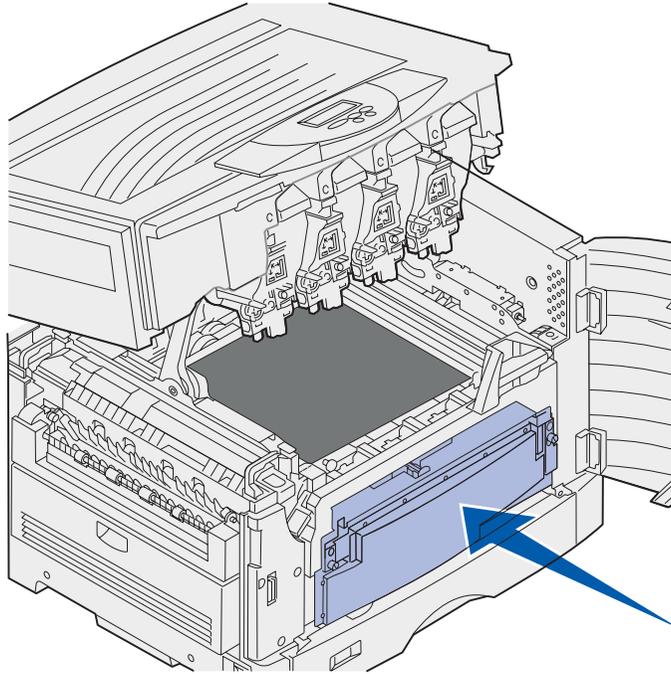
- 1 Remove the replacement transfer belt from the packing material.



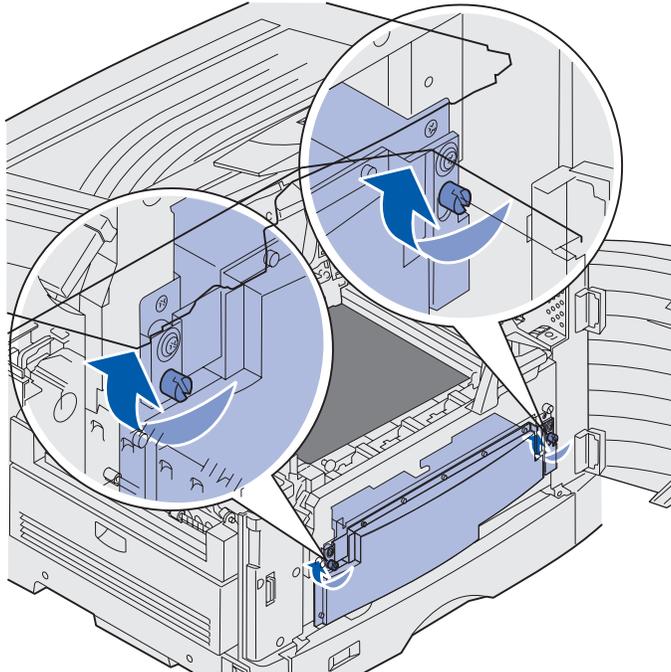
- 2 Align the transfer belt with the opening in the printer.



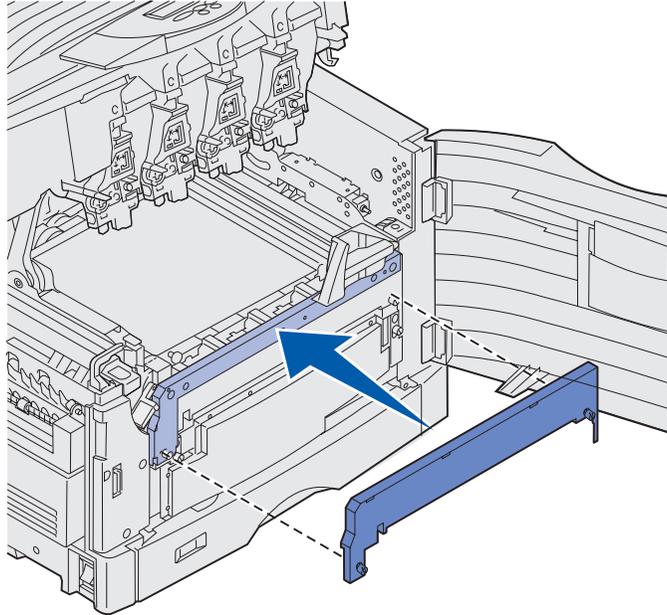
- 3 Slide the transfer belt in until it is fully seated.



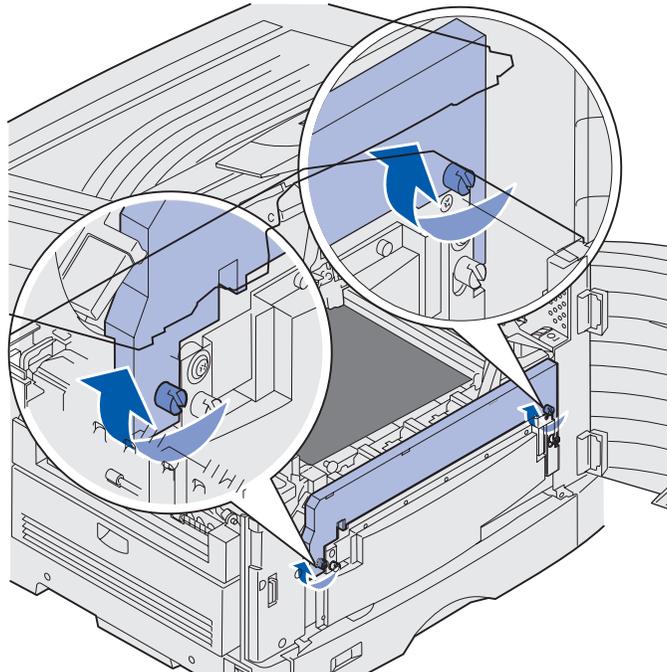
- 4 Tighten the transfer belt thumbscrews.



- 5 Align and place the transfer belt cover as shown.



- 6 Tighten the transfer belt cover thumbscrews.

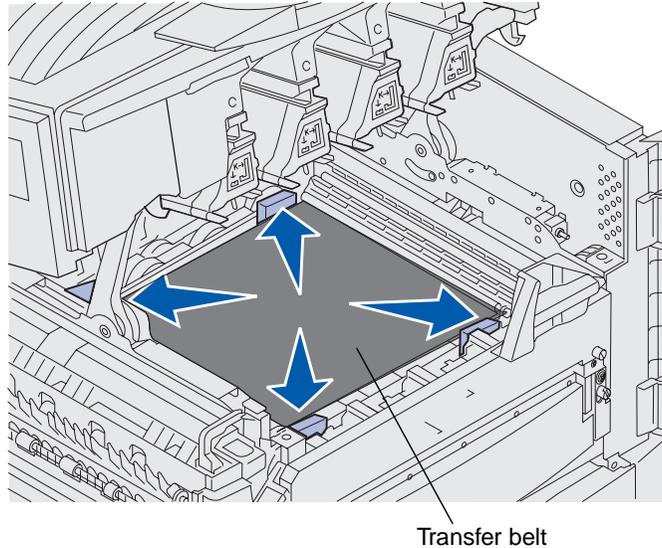


Warning: Do not touch, drop, or place anything on the transfer belt. Touching the surface of the transfer belt or placing items on it may cause damage.

Maintenance

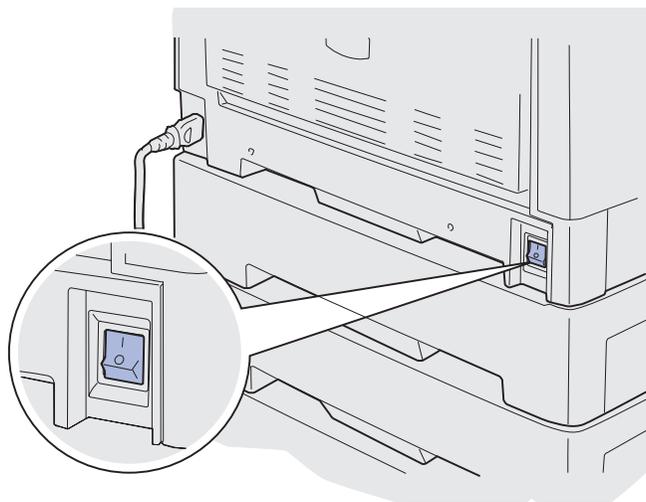
- 7 Lift and remove the four shipping spacers from the transfer belt.

Note: If you do not remove the four shipping spacers from the transfer belt, you may not be able to close the top cover.



CAUTION: Before closing the top cover make sure everyone is away from the printer and the area under the cover is free of hands, clothing, and other items.

- 8 Close the top cover and the front door.
- 9 Reconnect any optional devices to the printer.
- 10 Turn the optional devices on.
- 11 Turn the printer on.



The message **Did you replace Belt?** appears.

- 12** Press **Go** to reset the transfer belt counter.

Once the counter is reset, the **Printing Alignment Page** message appears and a test page prints. After the test page has printed, you are prompted to enter alignment values for each setting.

- 13** Press **Menu** to choose the alignment value.

- 14** Press **Select** to enter the value and continue to the next value.

After you have entered values for each alignment setting, the transfer belt should be aligned and the printer ready to print.

Note: If you replaced the transfer belt after receiving the **80 Fuser/Belt Life Warning** message or the **80 Fuser/Belt Exhausted** message, see **Removing the duplex unit** for instructions on replacing the fuser.

For instructions about replacing other supply items, click one of the following headings:

[Removing the duplex unit](#)

[Replacing a toner cartridge](#)

Replacing a toner cartridge

Your printer monitors the toner level of your toner cartridges. When the toner is getting low, the printer displays **88 <color> Toner Low**. This message indicates it is time for you to replace one or more specified toner cartridges. Press **Go** to clear the attendance message.

The **supplies** status message appears on the second line of the display to remind you there are supplies that need attention. You can open the **Supplies Menu** to see which toner cartridge is low.

The printer continues to display the **supplies** message until you replace the toner cartridge or until it is empty.

When the life of the toner cartridge has expired, the printer displays **88 <color> Toner Empty**. You must replace the toner cartridge to continue printing.

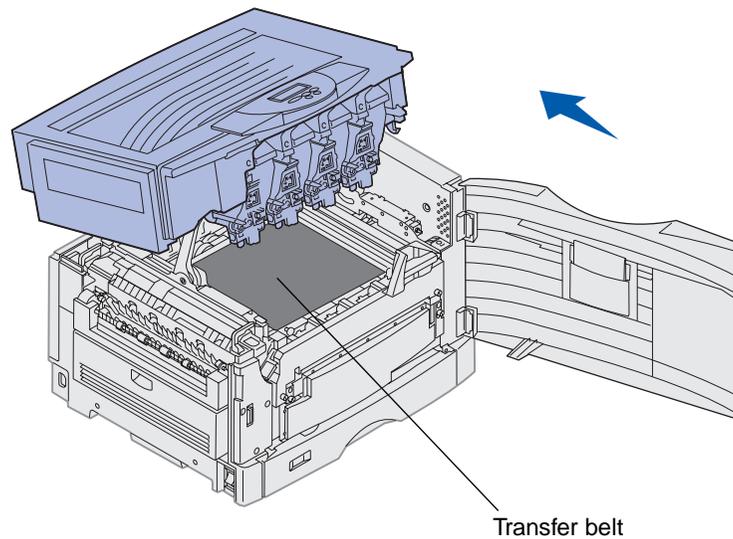
Use the following steps or the instruction sheet supplied with the toner cartridge to replace it.

Removing a toner cartridge

Note: If you need instructions on how to open the top cover, see [Opening the top cover](#).

Warning: Do not touch, drop, or place anything on the transfer belt. Touching the surface of the transfer belt or placing items on it may cause damage.

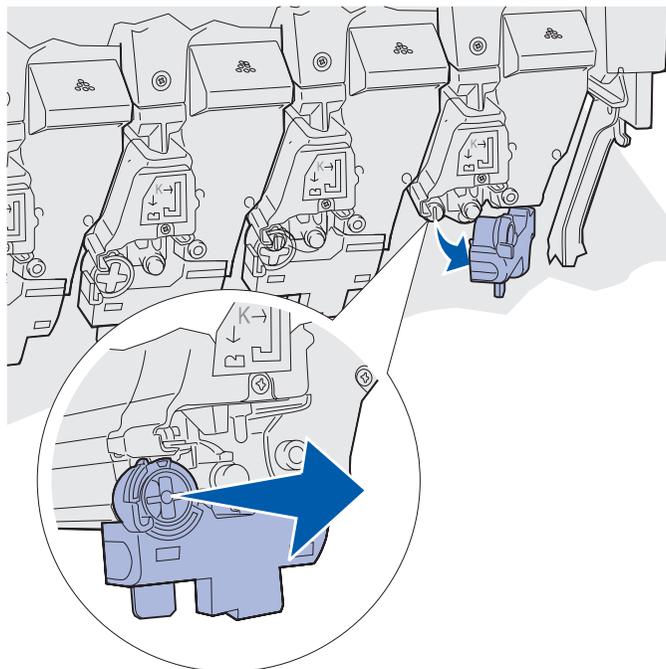
- 1 Complete the steps to open the top cover.



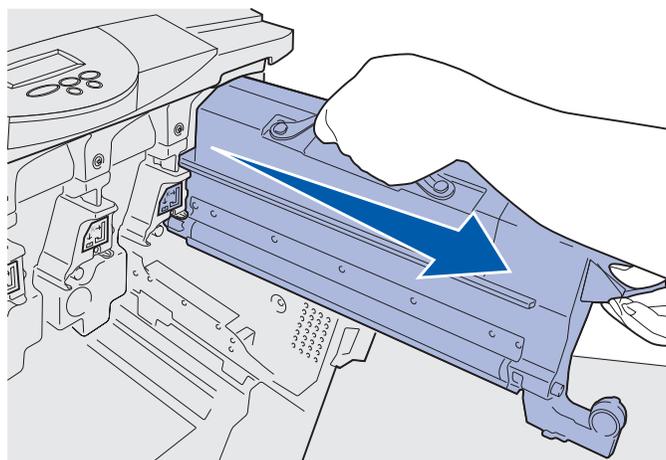
Note: The toner can soil clothing. Do not clean clothing soiled with toner in hot water; this permanently adheres the toner to the clothing. Use cold water to remove toner.

Maintenance

- 2 Pull the waste toner arm away from the photodeveloper.

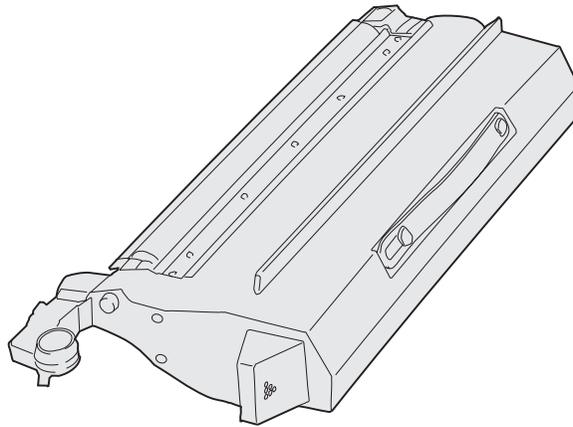


- 3 Pull the toner cartridge approximately halfway out of the printer.
- 4 Grasp the toner cartridge handle and continue to pull the toner cartridge out.

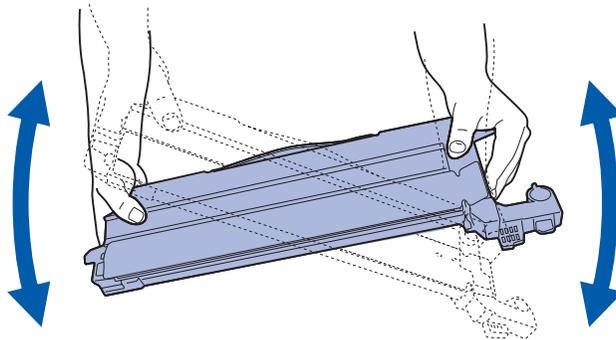


Installing a toner cartridge

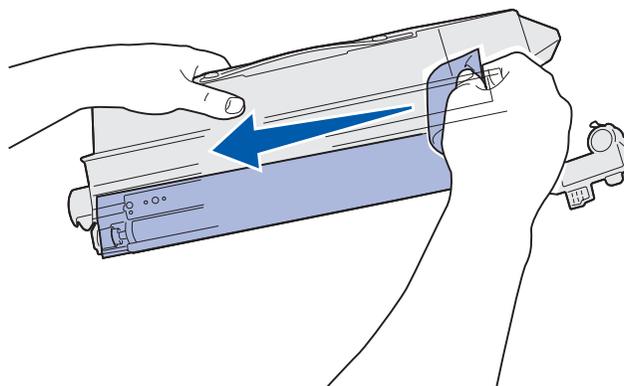
- 1 Remove the replacement toner cartridge from the packing material.



- 2 Gently shake the toner cartridge to distribute the toner evenly.

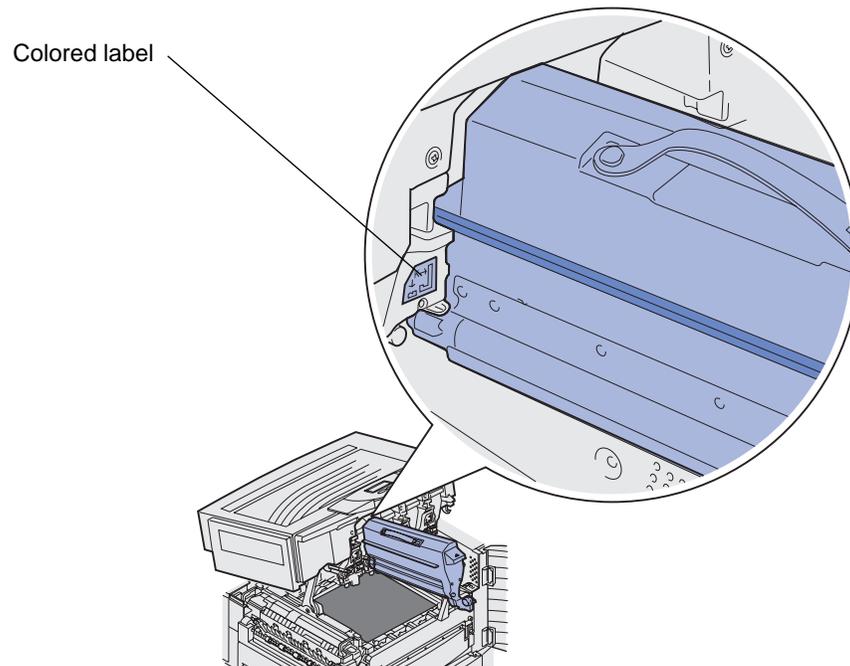


- 3 Remove the shipping tape and any additional packing material.

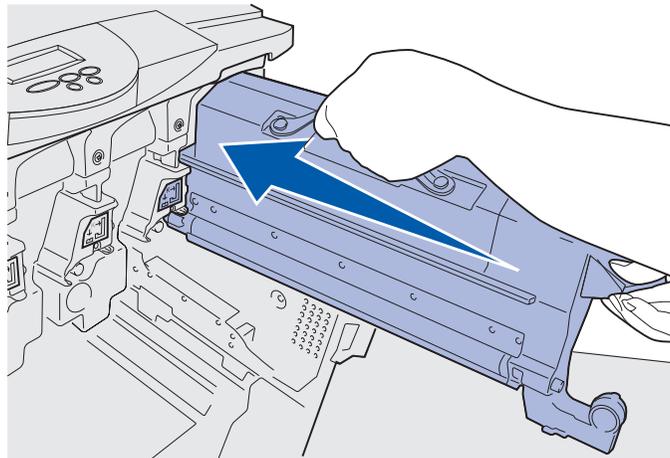


Maintenance

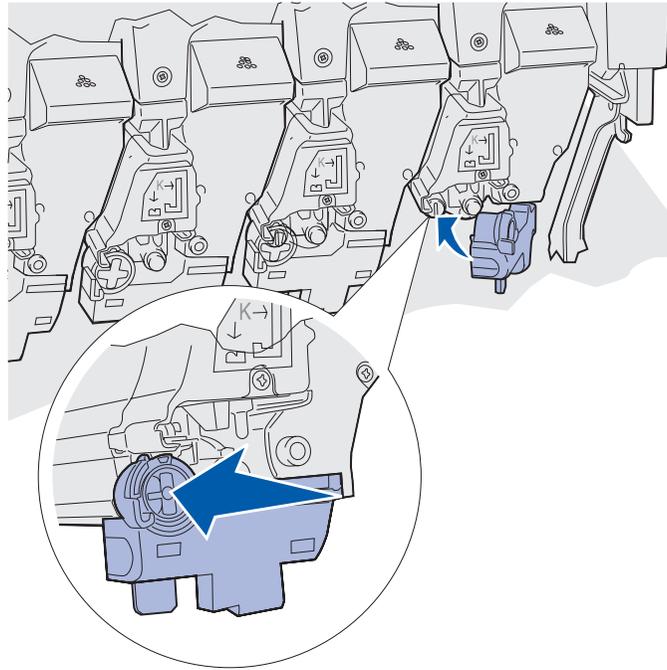
- 4 Align the toner cartridge with its slot in the printer. The toner cartridge is placed to the right of the corresponding colored label.



- 5 Slide the toner cartridge in until the cartridge is fully seated.



- 6 Push the waste toner arm until it *snaps* into place over the photodeveloper.



- 7 Repeat steps 2 through 5 to install additional toner cartridges.

CAUTION: Before closing the top cover make sure everyone is away from the printer and the area under the cover is free of hands, clothing, and other items.

- 8 Close the top cover and the front door.

Note: If you need instructions on how to close the top cover, see [Opening the top cover](#).

For instructions about replacing other supply items, click one of the following headings:

[Replacing the fuser](#)

[Replacing the transfer belt](#)

Resetting the maintenance counter

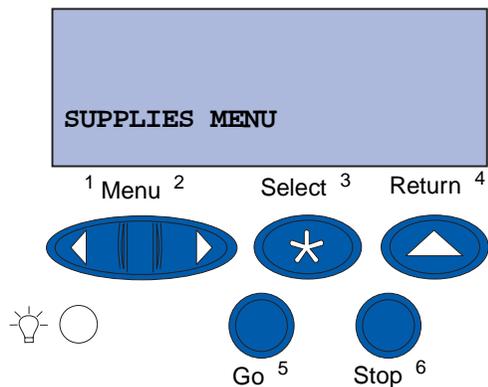
After replacing the fuser or transfer belt, you must reset the maintenance counter.

Maintenance

If the message **Did you replace Fuser? Or Did you replace Belt?** appears, press **Go**. Otherwise, use the following steps to reset the fuser or transfer belt counter.

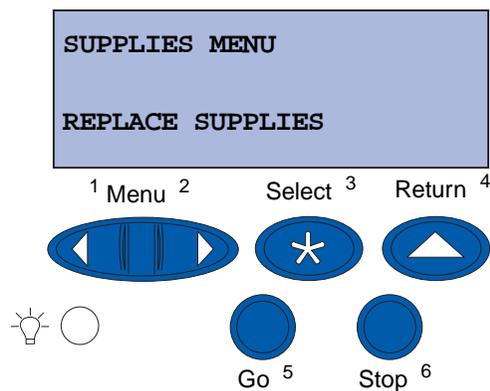
Note: Although the fuser is shown, the same procedure is used to clear the transfer belt.

- 1 Press **Menu** until **SUPPLIES MENU** appears on the second line of the display.



- 2 Press **Select** to open the **SUPPLIES MENU**.

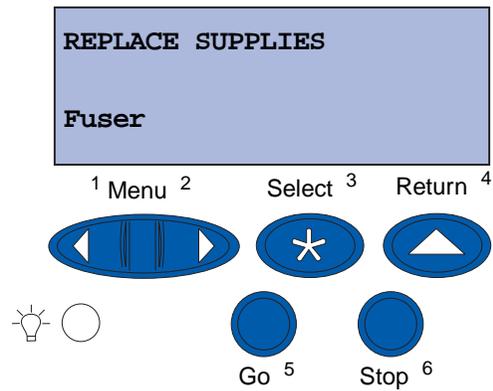
- 3 Press **Menu** until **REPLACE SUPPLIES** appears on the second line of the display.



- 4 Press **Select** to open **Replace Supplies**.

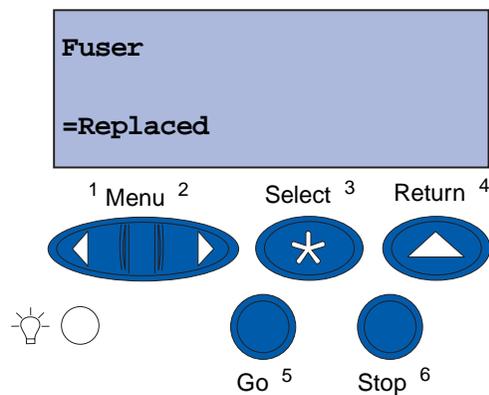
Maintenance

- 5 Press **Menu** until **Fuser** appears on the second line of the display.



- 6 Press **Select** to open the **Fuser** menu item.

- 7 Press **Menu** until **=Replaced** appears on the second line of the display.



- 8 Press **Select** to reset the fuser counter to zero.

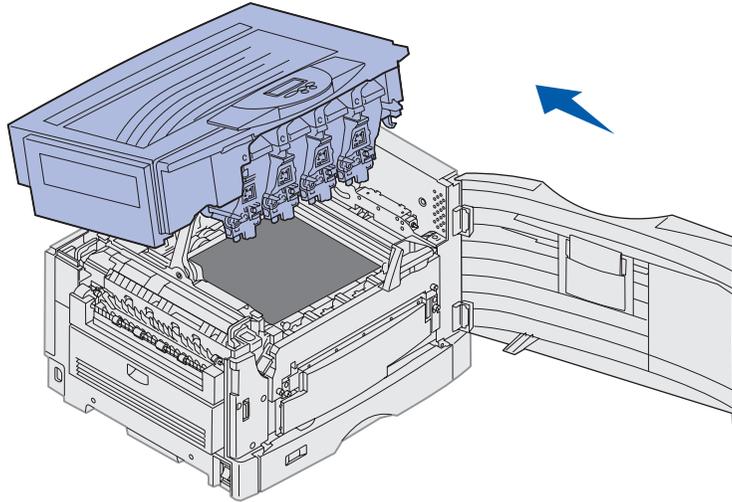
- 9 Press **Go**.

Cleaning the LEDs

If you are experiencing print quality problems such as voids, light streaks, or light print, you may need to clean the LEDs inside the top cover.

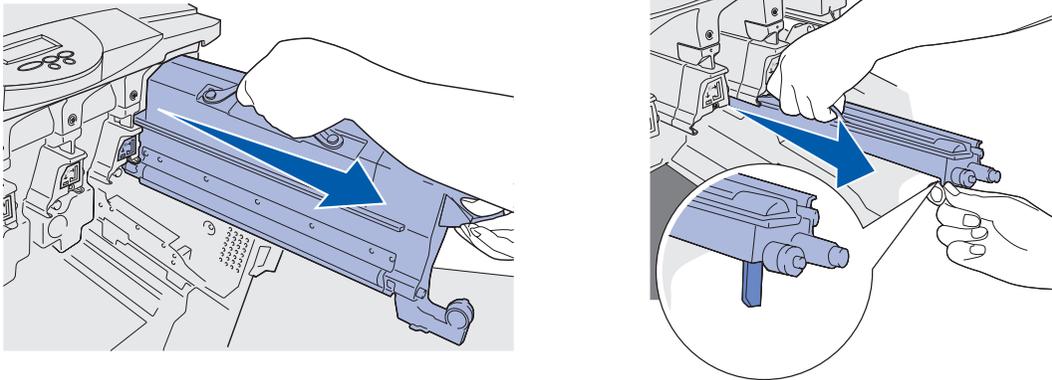
Note: For instructions on opening the top cover, see [Opening the top cover](#).

- 1 Complete the steps to open the top cover.



- 2 Remove all toner cartridges. See [Removing a toner cartridge](#) for more information.

CAUTION: The photodevelopers are hot! Allow the photodevelopers to cool before touching.



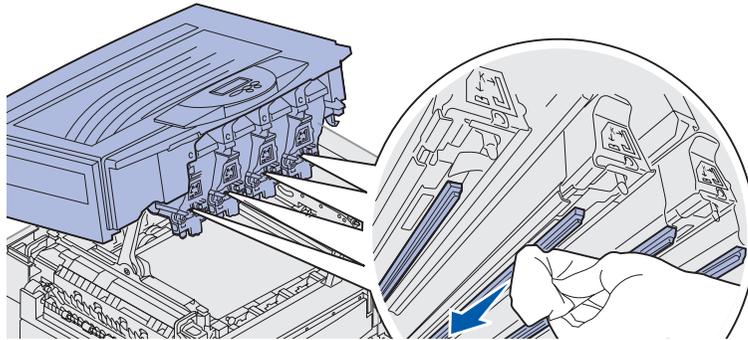
Warning: Exposing the photodeveloper to light for prolonged periods of time can damage it. Do not expose the photodeveloper to light for more than ten minutes. Fingerprints

Maintenance

can affect the performance of the photodeveloper. Avoid touching the photodeveloper anywhere except the handles.

Warning: The toner inside the toner cartridges can soil clothing. Do not clean clothing soiled with toner in hot water; this permanently adheres the toner to the clothing. Use cold water to remove toner that has soiled clothing.

- 3 Wipe the glass lenses of all four LED heads with a clean, dry cloth or tissue paper.



- 4 Reinstall all toner cartridges. See [Installing a toner cartridge](#) for more information.

CAUTION: Before closing the top cover make sure everyone is away from the printer and the area under the cover is free of hands, clothing, and other items.

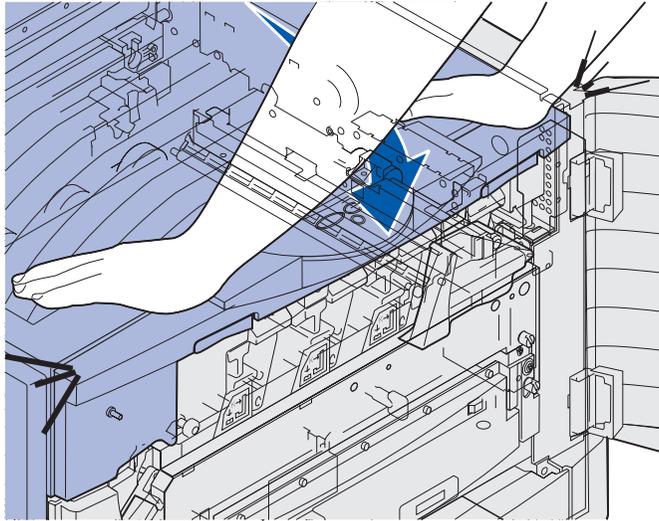
- 5 Close the top cover and the front door.

Note: For instructions on how to close the top cover, see [Closing the top cover](#).

Closing the top cover

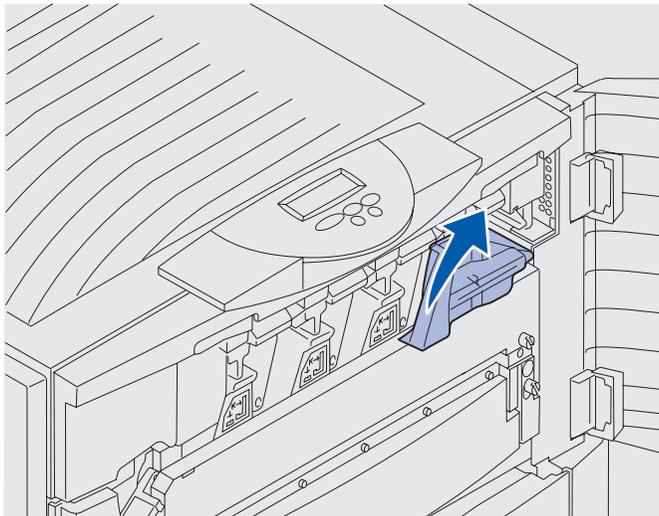
CAUTION: Before closing the top cover make sure everyone is away from the printer and the area under the cover is free of hands, clothing, and other items.

- 1 Place both hands on the top cover as shown.
- 2 Press down firmly until the top cover *clicks* into place.

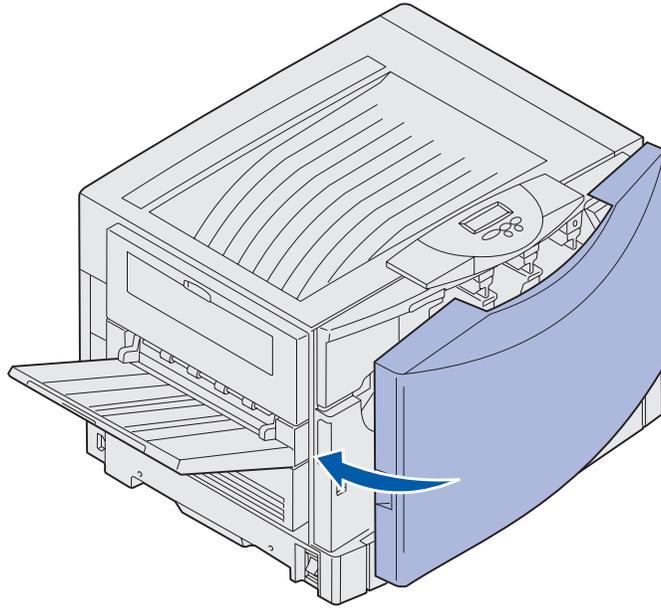


- 3 Rotate the top cover locking lever to the right.

Note: If you cannot rotate the locking lever, the cover is not fully closed. Open the top cover and press down firmly until the top cover *clicks* into place.



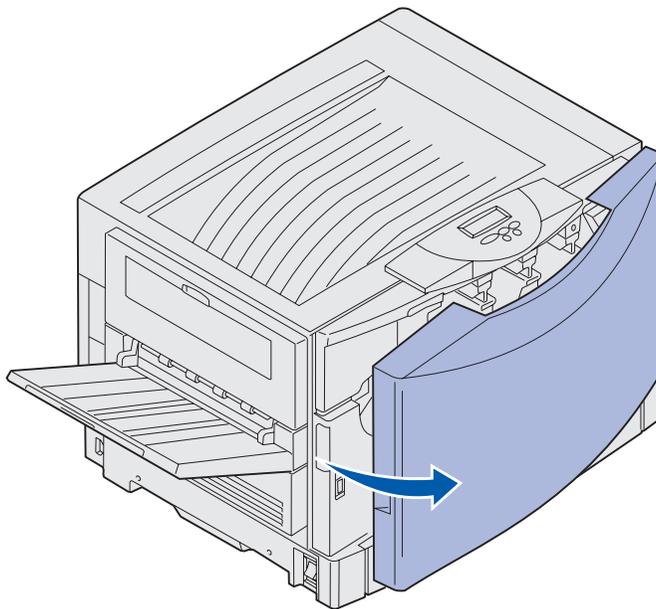
- 4 Close the front door.



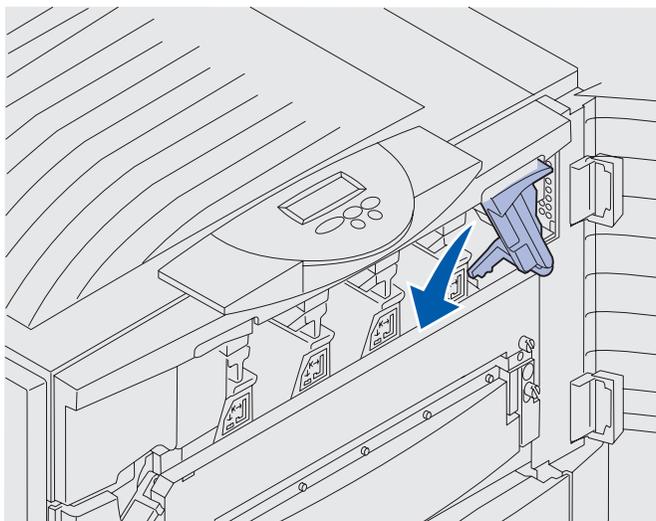
Opening the top cover

To access the printer supplies and some of the paper jam areas:

- 1 Open the front door.

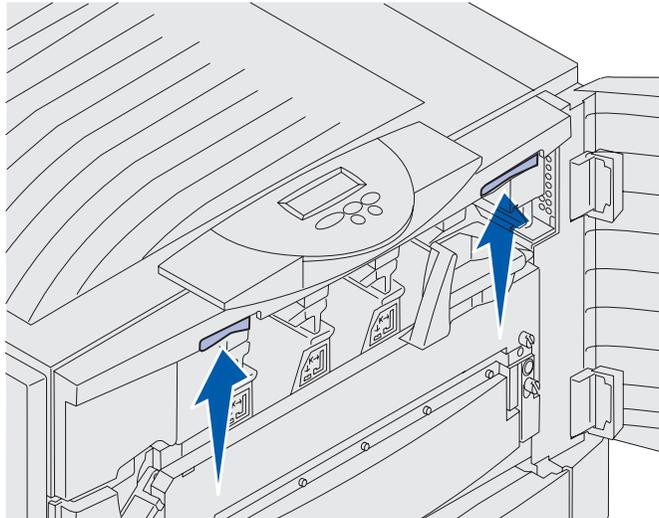


- 2 Rotate the top cover locking lever to the left.

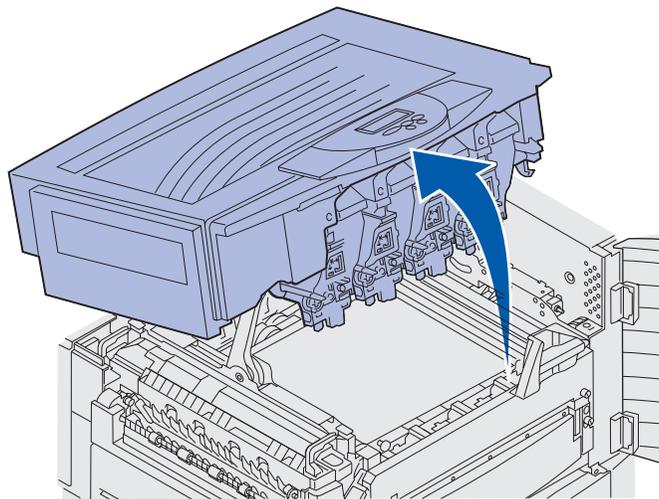


Maintenance

- 3 Push up on the right top cover locking button and lift at the points shown below.



- 4 Lift the top cover until it stops.



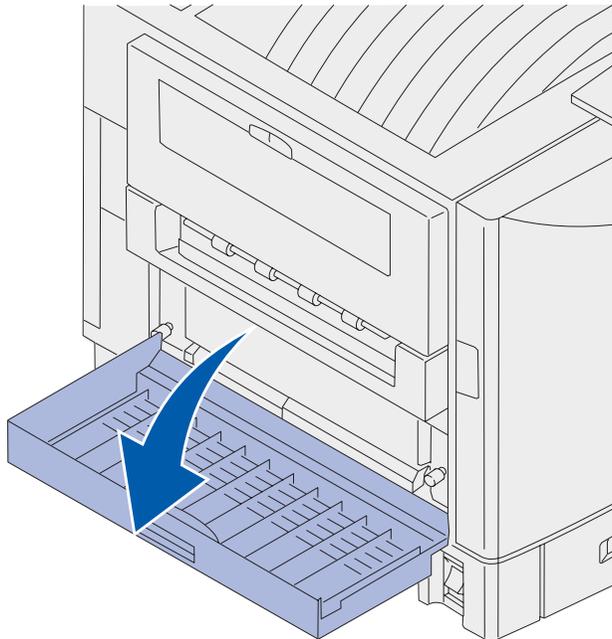
For information about replacing an individual supply item or clearing paper jams, click one of the following headings:

[Replacing the fuser](#)

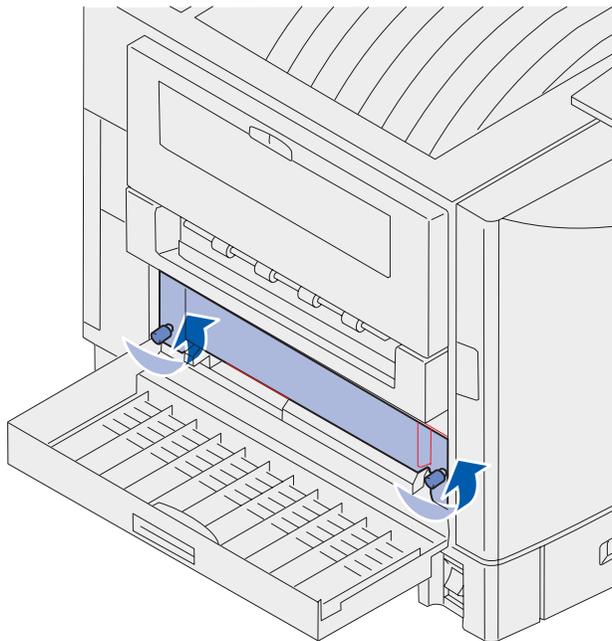
[Clearing paper jams](#)

Removing the duplex unit

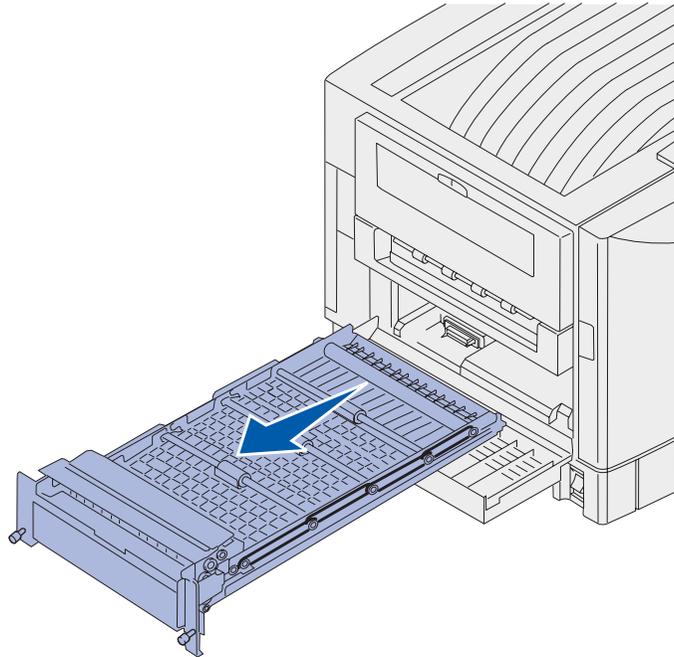
- 1 Turn the printer off.
- 2 Open the duplex unit door.



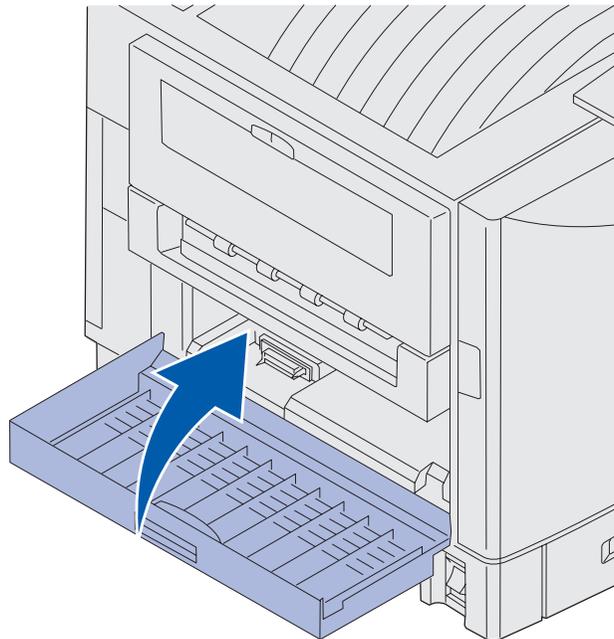
- 3 Loosen the thumbscrews securing the duplex unit.



- 4 Slide the duplex unit out.

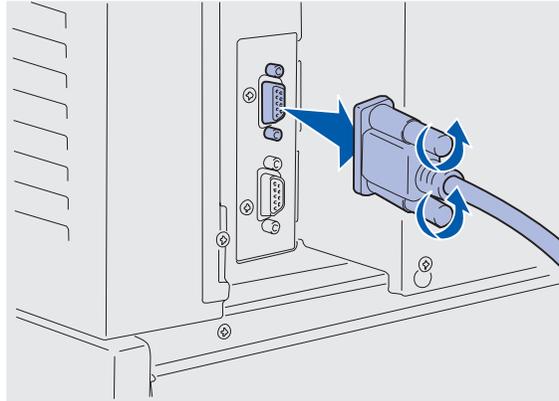


- 5 Close the duplex unit door.

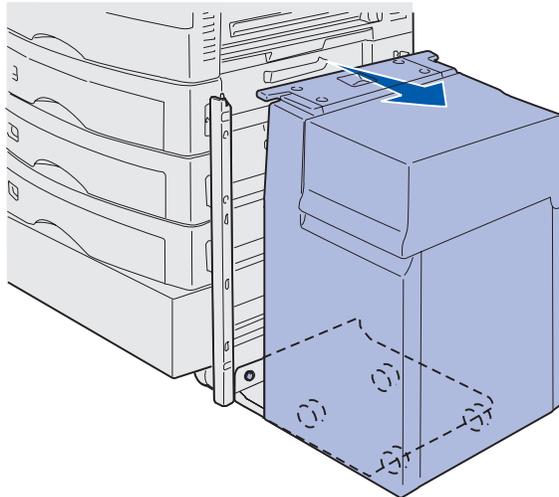


Removing the high capacity feeder

- 1 Turn the printer off.
- 2 Unplug the high capacity feeder power cord from the electrical outlet.
- 3 Disconnect the interface cable from the side of the high capacity feeder.

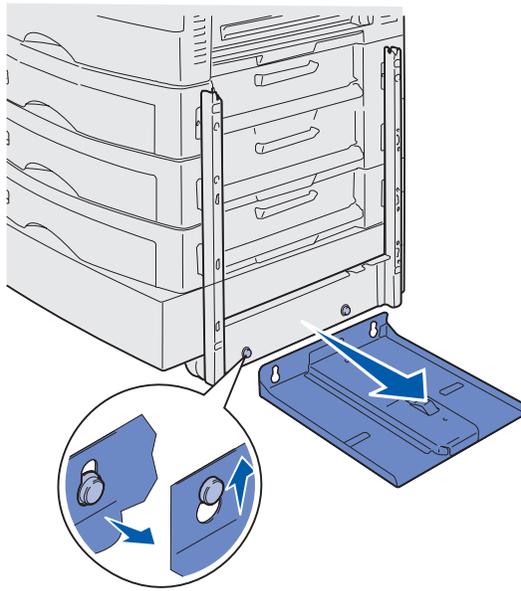


- 4 Roll the high capacity feeder away from the printer.
- 5 Remove the high capacity feeder from the guide rail.

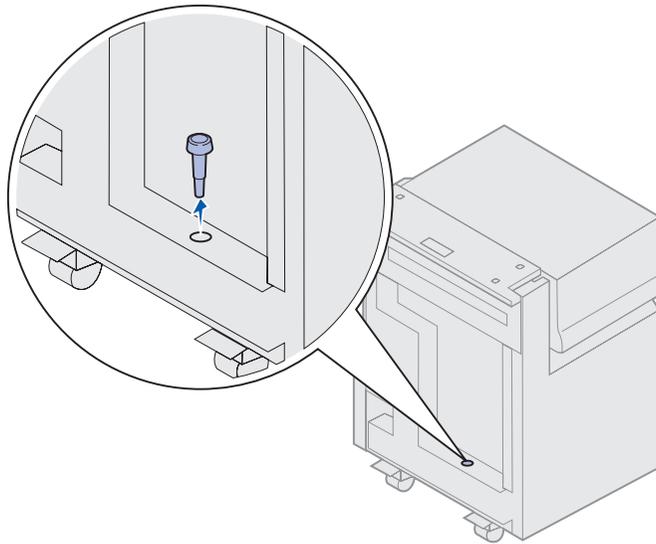


Maintenance

- 6 Raise the guide rail and pull it away from the docking frame.

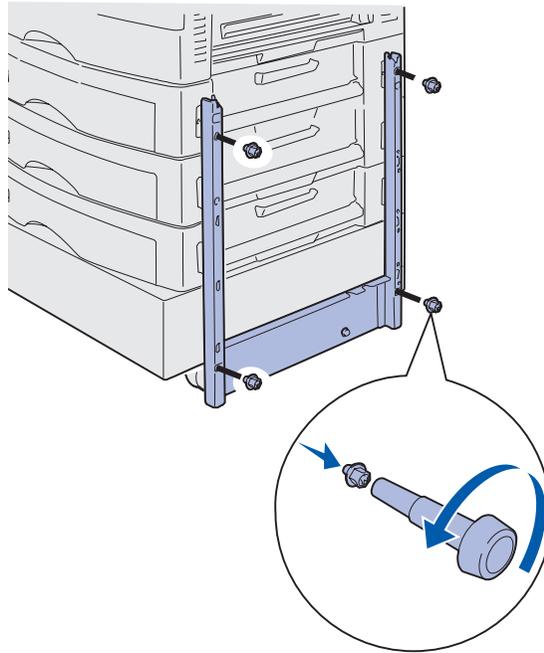


- 7 Remove the wrench from the holder in the high capacity feeder.

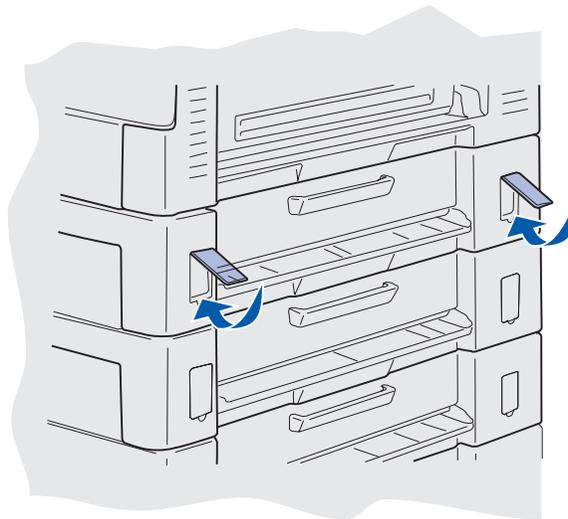


Maintenance

- 8 Remove the four screws securing the docking frame.



- 9 Insert the two side covers into the screw holes on the optional drawer until they snap into place.



Removing the system board access cover

You must remove the system board access cover to install memory cards, a firmware card, a hard disk, or an option card.

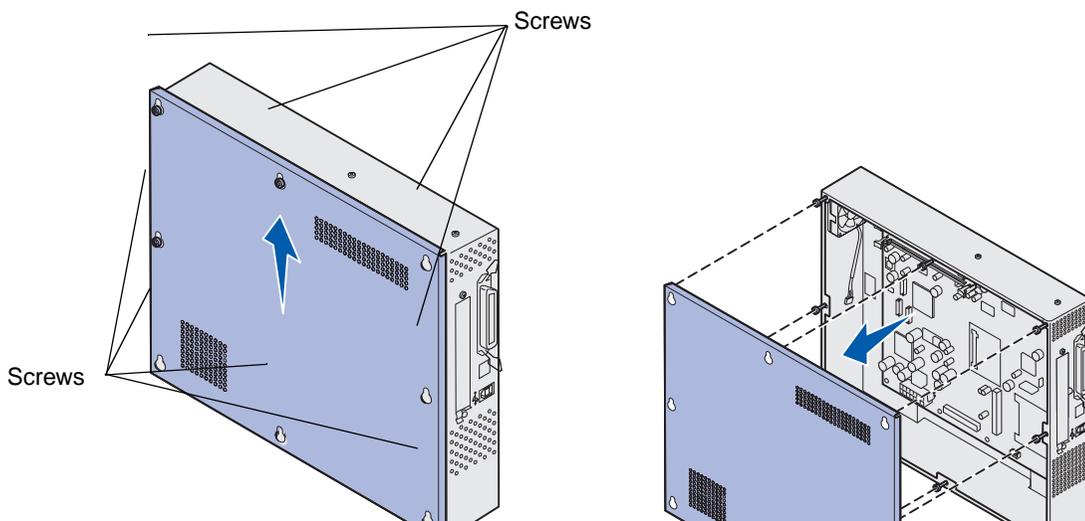
CAUTION: This printer weighs 80.5 kg (177 lb) and requires four people to lift. Anytime you move or lift the printer make sure you have enough people to help. Use the handholds located on the sides to lift the printer.

- 1 Move the printer or place it in an area that will be convenient for removing the cover and components.

You need a number 2 Phillips screwdriver to remove the cover and system board.

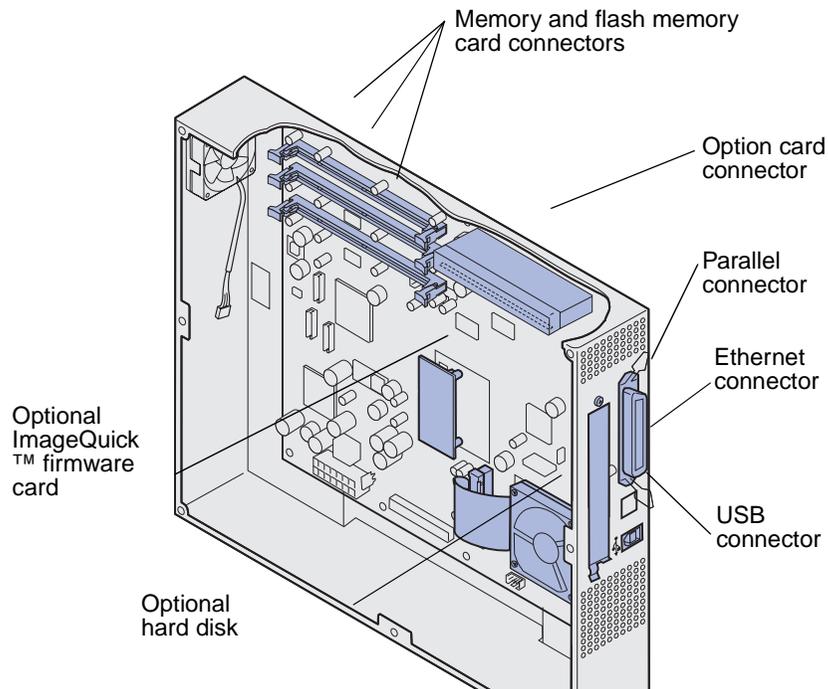
- 2 Loosen the eight screws on the cover. Do not remove the screws completely.
- 3 Slide the cover up and away from the printer.

Warning: The system board access cover must be replaced before operating the printer.



Locating memory and network options

Use the following illustration to locate the connector for the card you want to remove.



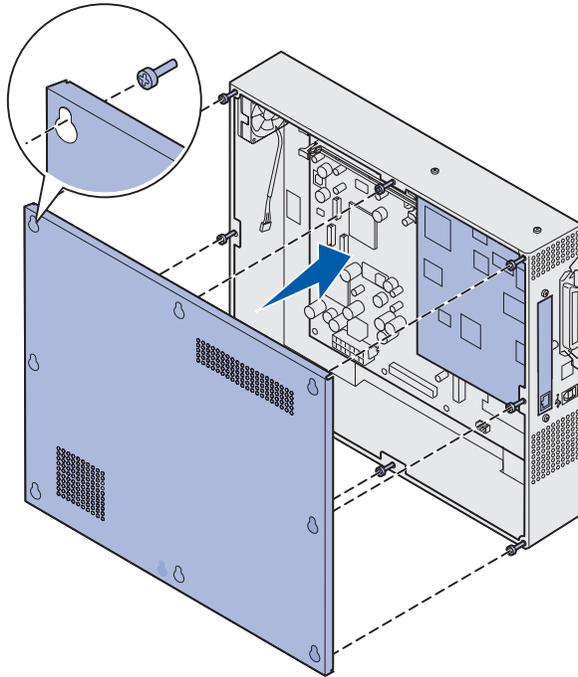
Installing the system board access cover

After you have removed the options, complete the following steps to install the cover and system board.

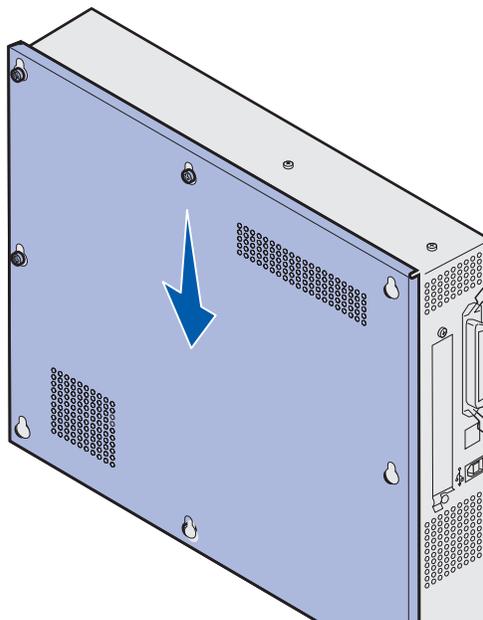
Maintenance

You need a number 2 Phillips screwdriver to install the cover.

- 1 Make sure the printer is off and unplugged.
- 2 Align the holes on the access cover with the screws.



- 3 Place the cover against the printer and slide it down.



Installing the system board access cover

- 4 Tighten the eight screws.
- 5 Connect the printer cables and power cord, and turn the printer on.

Note: To prevent an electrical overload, plug your printer into a well-grounded outlet on a non-ground fault interrupter (GFI) circuit.

Removing an optional drawer

- 1 Turn the printer off.
- 2 Unplug the power cord.

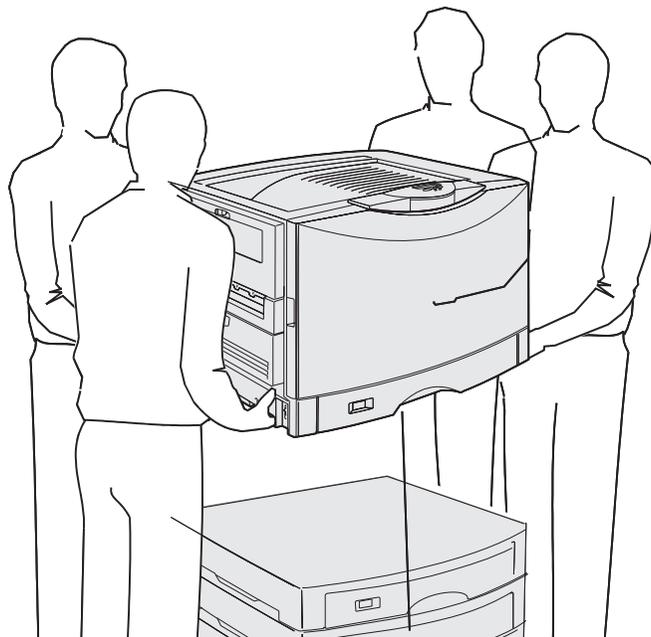
Note: To prevent an electrical overload, plug your printer into a well-grounded outlet on a non-ground fault interrupter (GFI) circuit.

- 3 Disconnect the parallel or Ethernet cable from the printer.

If you have any other devices connected to the printer, turn them off and unplug any cables going to the printer.

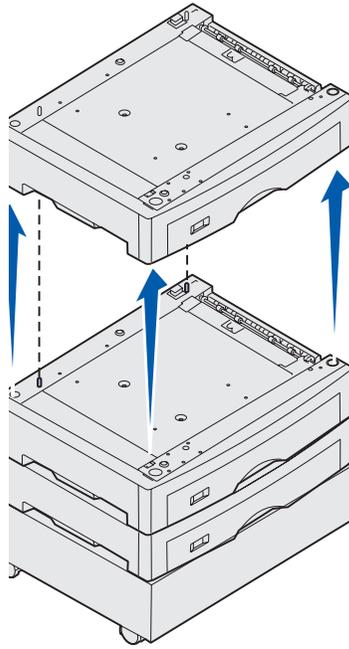
CAUTION: This printer weighs 80.5 kg (177 lb) and requires four people to lift. Anytime you move or lift the printer make sure you have enough people to help. Use the handholds located on the sides to lift.

- 4 Lift the printer and move it away from the optional drawer.



CAUTION: An optional drawer weighs 18.5 kg (40.8 lb.). Have someone help when lifting.

- 5 Lift the optional drawer.





Troubleshooting

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. Also, if possible, print out a print menu, this will greatly speed up the troubleshooting process.

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.

The serial number is also listed on the menu settings page you can print from the Utilities menu.

For service in the U.S. or Canada, click **Contact Lexmark** from the drivers CD, and then click **Customer Support**. This link takes you to Lexmark's technical service and support if you have internet access.

If the suggested corrective action does not fix the problem, call your service representative.

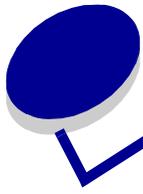
Problem	Action
Job did not print or incorrect characters printed.	Make sure Ready appears on the operator panel before you send a job to print. Press Go to return to Ready .
	Make sure print media is loaded. Press Go to return to Ready .
	Verify the printer is using the correct printer language.
	Verify you are using the correct printer driver.
	Make sure the parallel, serial, ethernet, or USB cable is firmly plugged in at the back of the printer. Make sure you are using the correct cable. Use IEEE 1284-compliant parallel cable. We recommend Lexmark part number 1329605 (10 ft) or 1427498 (20 ft). If you use RS-232 Serial, verify that a null modem cable is used.
	If the printer is connected through a switch box, try a direct connection.
	Verify the correct paper size is selected through the operator panel, in the printer driver, or in the software program.
	Make sure PCL SmartSwitch and PS SmartSwitch are set to On.

Troubleshooting

Problem	Action
Job did not print or incorrect characters printed (continued).	<p>If you are using a print spooler, verify the spooler is not stalled.</p> <p>Check the printer interface from the Setup Menu.</p> <p>Determine which host interface you are using. Print a menu settings page to verify the current interface settings are correct. See Printing the menu settings page.</p> <p>If you are using a serial interface:</p> <ul style="list-style-type: none"> • Make sure Honor DSR is set to Off. • Check the protocol, baud, parity, and data bit settings. The settings on the printer and on the host computer should match.
Printer seems to print slowly.	Make sure you select the appropriate Paper Type setting before sending a job to print.
	If the Paper Type is set to Transparency, the printer adjusts the fuser temperature and slows printing to improve the print quality. After printing on this media, the printer requires additional time to warm the fuser after you select another Paper Type setting (such as Plain Paper or Letterhead).
	Reduce the complexity of your print job. Eliminating the number and size of fonts, the number and complexity of images, and the number of pages in a job may increase print speed.
	Set Page Protect Off from the Setup Menu .
Unexpected page breaks appear.	Increase the Print Timeout value in the Setup Menu .
Transparencies jam.	<p>If you just turned the printer on or the printer has been idle for a period of time, print on paper before trying to print on transparencies.</p> <p>Disabling Power Saver may also prevent transparencies from jamming after the printer has been idle.</p>
Paper is jammed in the fuser.	Rotate the fuser pressure release lever down and remove the jammed paper. See Clearing paper jams for more information.
Part of the printed page was clipped or is cut off.	Make sure you have the correct size paper in the paper tray and the paper size is set correctly for the paper in the tray.
Printer is connected to the USB port, but will not print.	Make sure you are using Windows 98, Windows 2000, Windows Me, or another USB-capable operating system supported by your manufacturer.
Paper does not feed properly.	Make sure you are using recommended media. Do not use 16 lb paper or paper greater than 32 lb with the duplex unit.
	Make sure the adjustable guides in the paper tray are adjusted properly for the media you loaded.
	Make sure the stack of media does not exceed the maximum stack height indicated on the tray.

Troubleshooting

Problem	Action
Print media misfeeds or multiple feeds occur.	Make sure the print media you are using meets the specifications for your printer. Refer to the <i>Card Stock & Label Guide</i> for more information.
	Flex print media before loading it in any of the paper sources.
	Make sure the print media is loaded correctly.
	Make sure the paper width and length guides on the paper sources are adjusted correctly.
	Do not overfill the paper sources.
	Do not force print media into the multipurpose feeder when you load it; otherwise, it may skew or buckle.
	Remove any curled print media from paper sources.
	Load the recommended print side correctly for the type of print media you are using. See Loading a paper tray for more information.
	Load less print media in the paper sources.
	Turn the print media over or around and try printing again to see if feeding improves.
	Do not mix print media types.
	Do not mix reams of print media.
	Remove the top and bottom sheets of a ream before loading the print media.
Load a paper source only when it is empty.	
Envelope misfeeds or multiple feeds occur.	Remove the stack of envelopes from the multipurpose feeder. Load one envelope, feed it through the printer, and then reload the stack of envelopes in the multipurpose feeder.
	Push down the bottom plate until it locks into place. See Loading the multipurpose feeder for an illustration.
Job prints from the wrong paper source or on the wrong print media.	Check the Paper Type setting in the Paper Menu from the printer operator panel and in the printer driver.
Printer does not duplex pages.	<ul style="list-style-type: none"> • Make sure Duplex is selected in either the Finishing Menu or the program you are printing from. • Make sure you have enough printer memory installed.



Index

Numerics

30 Coating Roll Missing 103
33 Tray <x> Config Error 103
40 Tray <x> Size Sense
Error 106
41 Open Bin 1 Exit Tray 106
57 Configuration
Change 107
58 Too Many Bins
Attached 108
58 Too Many Trays
Attached 108
80 Belt Exhausted 109
80 Belt Life Warning 109
80 Fuser Exhausted 109
80 Fuser Life Warning 110
80 Fuser/Belt Exhausted 109
80 Fuser/Belt Life
Warning 109
81 Engine Code CRC
Failure 110
84 <color> Photo Dev
Abnormal 110
84 Abnormal Coating
Roll 111
84 All Photo Devs
Exhausted 110
84 Black Photo Dev
Exhausted 110
84 Black Photo Dev Life
Warning 110
84 Color Photo Dev Life
Warning 111
84 Color Photo Devs
Exhausted 110
85 Coating Roll
Exhausted 111
85 Coating Roll Life
Warning 111
88 <color> Toner Empty 111
88 <color> Toner Low 111
900–999 Service

<message> 111

A

A4 Width (PCL Emul
Menu) 63
Activating Menu Changes 94
adjusting
color 50, 51, 52, 86
Advanced Status (Parallel
Menu) 61
Alarm Control (Setup
Menu) 83
alarms
error messages 83
hole punch 84
setting 83
stapler 87
toner 87
Assign Type/Bin (Paper
Menu) 66
Auto Continue (Setup
Menu) 83
Auto CR after LF (PCL Emul
Menu) 63
Auto LF after CR (PCL Emul
Menu) 63
automatic size sensing 69
avoiding paper jams 33

B

Baud (Serial Menu) 80
Belt 88
Bin <x> Full 94
bins
assigning 66
configuring 66
output 67
resetting active 58
Black Photo dev 88
Blank Pages (Finishing
Menu) 52
buffer sizes, adjusting

network 59
parallel 62
serial 82
USB 91

Busy 94

C

calling for service 189
Cancel Fax (Job Menu) 57
Cancel Job 57
Canceling Fax 94
Canceling Job 94
card stock 46
loading 14
Change <x> 94
changing
fuser 143
oil coating roll 152
photodeveloper 139
toner cartridges 165
transfer belt 156
Check <device>
Connection 95
Clearing Job Accounting
Stat 95
clearing paper jams 112
Close Front Door 95
Close Side Door 95
Close Top Door 95
Close Tray <x> Top
Cover 95
Collation (Finishing
Menu) 52
collation, enabling 52
color
adjusting 50, 51, 52, 86
Color Correction (Color
Menu) 50
Color Menu 50
Color Correction 50
Manual Color 51
Print Mode 51

- Toner Darkness 52
- Color Photo Devs 88
- Color Samples 93
- <color> Toner (Supplies Menu) 88
- <color> toner status 88
- complex page errors 85
- Confidential Job (Job Menu) 58
- Configure Bins (Paper Menu) 66
- Configure MP (Paper Menu) 67
- Copies (Finishing Menu) 52
- copies, specifying number 52
- Copying 95
- counter
 - fuser 170
 - transfer belt 170
- current menu settings 11
- Custom Types (Paper Menu) 67

D

- Data Bits (Serial Menu) 80
- Defragment Flash (Utilities Menu) 91
- Defragmenting 95
- Delete All Jobs 95
- Deleting Jobs 95
- Did You Replace Belt? 95
- Did You Replace Fuser? 96
- Disabling Menus 96
- disabling operator panel menus 49
- disk
 - See hard disk
- Disk Corrupted. Reformat? 96
- Disk Recovery x/5 yyy% 96
- Display Language (Setup Menu) 83
- Download Target (Setup Menu) 84
- downloadable fonts 40
- downloaded resources
 - printing 93
 - resource save 86
 - storing 84
- duplex
 - binding 53
 - enabling 53
- Duplex (Finishing Menu) 53
- Duplex Bind (Finishing Menu) 53

E

- Enabling Menus 96
- Engine Warming 96

- Enter PIN
 - =___ 96
- envelopes
 - loading 45
 - multipurpose feeder 21

F

- Factory Defaults (Utilities Menu) 92
- factory defaults, restoring 92
- fax
 - canceling 57
 - logs 74
 - receive 77
 - send 76
 - setup 73
- Fax <x> 96
- Fax Menu 73
 - Fax Logs 74
 - Fax Receive 77
 - Fax Send 76
 - Fax Setup 73
- Finishing Menu 52
 - Blank Pages 52
 - Collation 52
 - Copies 52
 - Duplex 53
 - Duplex Bind 53
 - Hole Punch 53
 - Multipage Border 53
 - Multipage Order 53
 - Multipage Print 54
 - Multipage View 54
 - Offset Pages 54
 - Separator Sheets 54
 - Separator Source 54
 - Staple Job 55
 - Staple Prime Src 55
- flash memory
 - defragmenting 91
 - formatting 92
 - printing downloaded resources 93
 - setting as download target 84
- Flushing Buffer 96
- Font Name (PCL Emul Menu) 63
- Font Priority (PostScript Menu) 79
- Font Source (PCL Emul Menu) 64
- fonts
 - choosing in PCL emulation 63

- downloadable 40
- printing samples 93
- priority 79
- resident 34
- symbol sets supported 65
- symbol sets, PCL 6 emulation 39
- Format Disk (Utilities Menu) 92
- Format Flash (Utilities Menu) 92
- Formatting Disk yyy% 97
- Formatting Flash 97
- Fuser 88
- fuser
 - ordering 136
- fuser counter 170
 - resetting 152
- Fuser Maintenance 97

G

- guidelines
 - paper
 - storing 33

H

- hard disk
 - formatting 92
 - printing downloaded resources 93
 - setting as download target 84
- heavy paper 46
- Held jobs 25
- Held Jobs (Job Menu) 58
- Held Jobs may be lost 97
- Held Jobs May Not Be Restored 97
- Help Menu 55
- Hex Trace (Utilities Menu) 92
- high capacity feeder
 - clearing jams in 130, 132
 - removing 181
 - successful printing in 33
- Hole Punch (Finishing Menu) 53
- Hole Punch Alarm (Setup Menu) 84
- hole punch, enabling 53
- Honor DSR (Serial Menu) 80
- Honor Init (Parallel Menu) 61

I

- Image Smoothing (PostScript Menu) 79
- indicator light 9

- Infrared <x> 97
- Infrared Buffer 56
- Infrared Menu 55
 - Infrared Buffer 56
 - Infrared Port 55
 - Job Buffering 56
 - Max Baud Rate 56
 - NPA Mode 55
 - PCL SmartSwitch 55
 - PS SmartSwitch 55
 - Transmit Delay 56
 - Window Size 56
- infrared port 55
- Insert Tray <x> 97
- Install <device> or Cancel Job 98
- installing
 - fuser 143
 - oil coating roll 152
 - photodeveloper 139
 - system board access cover 185
 - toner cartridges 165
 - transfer belt 156
- interfaces
 - network 59
 - parallel 61
 - serial 80
 - USB 90
- Invalid Engine Code 98
- Invalid Network <x> Code 98
- Invalid Standard Network Code 98

J

- Jam Recovery (Setup Menu) 84
- jams
 - avoiding 33
 - clearing paper 112
 - See paper jams
- job
 - confidential 58
 - held 58
 - statistics 84
- Job Accounting (Setup Menu) 84
- Job Acct Stat (Utilities Menu) 93
- Job Buffering 56
- Job Buffering (Network Menu) 59
- Job Buffering (Parallel Menu) 61
- Job Buffering (Serial Menu) 80
- Job Buffering (USB Menu) 90

Job Menu 57
 Cancel Fax 57
 Cancel Job 57
 Confidential Job 58
 Held Jobs 58
 Prime Stapler 59
 Reset Active Bin 58
 Reset Printer 59

L

labels
 usage 46

letterhead
 loading
 multipurpose feeder 22

Lines per Page (PCL Emul Menu) 64

Load <x> 98

Load Manual 98

loading
 card stock 14
 envelopes
 multipurpose feeder 21
 letterhead
 multipurpose feeder 22
 paper
 multipurpose tray 18
 paper tray 14
 transparencies
 paper tray 14

LocalTalk <x> 98

M

MAC Binary PS (Network Menu) 59
 MAC Binary PS (Parallel Menu) 61
 MAC Binary PS (USB Menu) 90

maintenance counter 170

Manual Color (Color Menu) 51

Max Baud Rate 56

maximum stack height 20

media guidelines 42

memory 7
 locating 185
 Print and Hold function 25

menu map 48

menu settings page, printing 11

menus
 language 83
 printing menu settings page 11

Menus Disabled 99

messages
 1565 Emul Error Load Emul Option 103
 2<xx> Paper Jam 103
 30 <color> Toner Cart Missing 103
 30 Coating Roll Missing 103
 32 Unsupported <color> Cartridge 103
 33 Tray <x> Config Error 103
 34 Incorrect Media 103
 34 Short Paper 104
 35 Res Save Off Deficient Memory 104
 37 Insufficient Collation Area 104
 37 Insufficient Defrag Memory 104
 37 Insufficient Memory 105
 38 Memory Full 105
 39 Complex Page 105
 4<x> Unsupported Firmware Card 106
 40 Tray <x> Size Sense Error 106
 41 Open Bin 1 Exit Tray 106
 51 Defective Flash 106
 52 Flash Full 106
 53 Unformatted Flash 106
 54 Network <x> Software Error 107
 54 Par <x> ENA Connection Lost 107
 54 Serial Option <x> Error 106
 54 Standard Serial Error 106
 54 Std Network Software Error 107
 54 Std Par ENA Connection Lost 107
 56 Parallel Port <x> Disabled 107
 56 Serial Port <x> Disabled 107
 56 Standard Serial Disabled 107
 56 Standard USB Port Disabled 107
 56 Std Parallel Port Disabled 107
 56 USB Port <x> Disabled 107
 57 Configuration Change 107
 58 Input Config Error 107
 58 Too Many Bins Attached 108
 58 Too Many Disks Installed 108
 58 Too Many Flash Options 108
 58 Too Many Trays Attached 108
 61 Defective Disk 108
 62 Disk Full 108
 63 Unformatted Disk 109
 64 Unsupported Disk Format 109
 80 Belt Exhausted 109
 80 Belt Life Warning 109
 80 Fuser Exhausted 109
 80 Fuser Life Warning 110

80 Fuser/Belt Exhausted 109
80 Fuser/Belt Life Warning 109
81 Engine Code CRC Failure 110
84 <color> Photo Dev Abnormal 110
84 All Photo Devs Exhausted 110
84 Black Photo Dev Exhausted 110
84 Black Photo Dev Life Warning 110
84 Color Photo Dev Life Warning 111
84 Color Photo Devs Exhausted 110
85 Coating Roll Exhausted 111
85 Coating Roll Life Warning 111
86 Abnormal Coating Roll 111
88 <color> Toner Empty 111
88 <color> Toner Low 111
900–999 Service <message> 111
Activating Menu Changes 94
Bin <x> Full 94
Busy 94
Canceling Fax 94
Canceling Job 94
Change <x> 94
Check <device> Connection 95
Clearing Job Accounting Stat 95
Close Front Door 95
Close Side Door 95
Close Top Door 95
Close Tray <x> Top Cover 95
Copying 95
Defragmenting 95
Delete All Jobs 95
Deleting Jobs 95
Did You Replace Belt? 95
Did You Replace Fuser? 96
Disabling Menus 96
Disk Corrupted. Reformat? 96
Disk Recovery x/5 yy% 96
Enabling Menus 96
Engine Warming 96
Enter PIN
 =___ 96
Fax <x> 96
Flushing Buffer 96
Formatting Disk yy% 97
Formatting Flash 97
Fuser Maintenance 97
Held Jobs may be lost 97
Held Jobs May Not Be Restored 97
Infrared <x> 97
Insert Tray <x> 97
Install <device> or Cancel Job 98
Invalid Engine Code 98
Invalid Network <x> Code 98
Invalid Standard Network Code 98
Load <x> 98
Load Manual 98
LocalTalk <x> 98
Menus Disabled 99
Network <x> 99
Network <x>,<y> 99
Network Card Busy 99
No DRAM Installed 99
No Jobs Found. Retry? 99
Not Ready 99
Parallel <x> 99
Performing Self Test 99
Power Saver 99
Print Jobs on Disk 100
Printer Calibrating 100
Printing Alignment Page 100
Printing Directory List 100
Printing Font List 100
Printing Job Accounting Stat 100
Printing Menu Settings 100
Prog Engine Code 100
Prog System Code 100
Program Flash 100
Programming Disk 100
Programming Error P<x> 101
Queuing and Deleting Jobs 101
Queuing Jobs 101
Ready 101
Ready Hex 101
Remove Paper <specified bin> 101
Resetting Maint Cnt Value 101
Resetting the Printer 101
Restore Held Jobs. Go/Stop? 102
Restoring Factory Defaults 102
Restoring Held Job xxx/yyy 102
Restoring Held Jobs 102
Serial <x> 102
Std Bin Full 102
Supplies 102
Tray <x> Empty 102
Tray <x> Low 102
Tray <x> Missing 103
Unsupported Disk 103

- USB <x> 103
- Waiting 103
- Multipage Border (Finishing Menu) 53
- Multipage Order (Finishing Menu) 53
- multipage print
 - border settings 53
 - configuring 54
 - order settings 53
 - view settings 54
- Multipage Print (Finishing Menu) 54
- Multipage View (Finishing Menu) 54
- multipurpose feeder
 - closing 23
 - guidelines 18
 - print material
 - envelopes 20
 - loading 20
 - paper 20
 - transparencies 20
- multipurpose feeder, configuring 67

N

- Network <x> 99
- Network <x> Setup (Network Menu) 60
- Network <x>,<y> 99
- Network Buffer (Network Menu) 59
- Network Card Busy 99
- Network Menu 59
 - Job Buffering 59
 - MAC Binary PS 59
 - Network <x> Setup 60
 - Network Buffer 59
 - NPA Mode 60
 - PCL SmartSwitch 60
 - PS SmartSwitch 60
 - Std Net Setup 60
- network port
 - configuring
 - buffer size 59
 - NPA mode 60
 - PCL SmartSwitch 60
 - PS SmartSwitch 60
- No DRAM Installed 99
- No Jobs Found. Retry? 99
- Not Ready 99
- NPA Mode 55
- NPA Mode (Network Menu) 60
- NPA Mode (Parallel Menu) 61

- NPA Mode (Serial Menu) 81
- NPA Mode (USB Menu) 90
- NPA mode, setting
 - network port 60
 - parallel port 61
 - serial port 81
 - USB port 90

O

- Offset Pages (Finishing Menu) 54
- oil coating roll
 - ordering 136
- operator panel
 - disabling 49
 - LCD 9
 - light 9
 - using 9
- options
 - locating 185
 - verifying installation with menu settings
 - page 11
- ordering 136
 - fuser 136
 - oil coating roll 136
 - supplies 136
 - toner cartridge 136
 - transfer belt 136
- Orientation (PCL Emul Menu) 64
- Output Bin (Paper Menu) 67

P

- Page Protect (Setup Menu) 85
- paper
 - avoiding jams 33
 - clearing jams 112
 - letterhead 44
 - recommendations 43
 - storing 33
- paper handling 7
- paper jams
 - clearing 190
 - reprinting jammed pages 84
 - transparency jams 190
- Paper Loading (Paper Menu) 68
- Paper Menu 66
 - Assign Type/Bin 66
 - Configure Bins 66
 - Configure MP 67

- Custom Types 67
- Output Bin 67
- Paper Loading 68
- Paper Size 69
- Paper Source 69
- Paper Type 70
- Paper Weight 71
- Substitute Size 71
- Universal Setup 72
- Paper Size (Paper Menu) 69
- paper size window 17
- Paper Source (Paper Menu) 69
- Paper Type (Paper Menu) 70
- Paper Weight (Paper Menu) 71
- paper, specifying
 - custom type 67
 - if requested size not loaded 71
 - preprinted forms 68
 - size 69
 - source 69
 - type 70
 - weight 71
- Parallel <x> 99
- Parallel Buffer (Parallel Menu) 62
- Parallel Menu 61
 - Advanced Status 61
 - Honor Init 61
 - Job Buffering 61
 - MAC Binary PS 61
 - NPA Mode 61
 - Parallel Buffer 62
 - Parallel Mode 1 62
 - Parallel Mode 2 62
 - PCL SmartSwitch 62
 - Protocol 63
 - PS SmartSwitch 62
- Parallel Mode 1 (Parallel Menu) 62
- Parallel Mode 2 (Parallel Menu) 62
- parallel port
 - configuring
 - bidirectional communication 61
 - buffer size 62
 - data sampling 62
 - hardware initialization 61
 - NPA mode 61
 - PCL SmartSwitch 62
 - protocol 63
 - PS SmartSwitch 62
 - enabling
 - resistors 62
- Parity (Serial Menu) 81
- PCL Emul Menu 63
 - A4 Width 63
 - Auto CR after LF 63
 - Auto LF after CR 63
 - Font Name 63
 - Font Source 64
 - Lines per Page 64
 - Orientation 64
 - Pitch 64
 - Point Size 64
 - Symbol Set 65
 - Tray Renumber 65
- PCL emulation
 - A4 width 63
 - automatic carriage return 63
 - automatic line feed 63
 - font name 63
 - font sample print 93
 - font source 64
 - lines per page 64
 - orientation 64
 - pitch 64
 - point size 64
 - resident fonts 34
 - symbol set 65
 - tray renumber 65
- PCL SmartSwitch 55
- PCL SmartSwitch (Network Menu) 60
- PCL SmartSwitch (Parallel Menu) 62
- PCL SmartSwitch (Serial Menu) 81
- PCL SmartSwitch (USB Menu) 90
- PCL SmartSwitch, setting
 - See *also* printer language
 - network port 60
 - parallel port 62
 - serial port 81
 - USB port 90
- Performing Self Test 99
- Pitch (PCL Emul Menu) 64
- Point Size (PCL Emul Menu) 64
- ports
 - network 59
 - parallel 61
 - serial 80
 - USB 90

- PostScript emulation
 - font priority 79
 - font sample print 93
 - image smoothing 79
 - printing PS errors 79
 - resident fonts 34
- PostScript Menu 79
 - Font Priority 79
 - Image Smoothing 79
 - Print PS Error 79
- Power Saver 99
- power saver
 - configuring 85
- Power Saver (Setup Menu) 85
- Prime Stapler 59
- Print Alignment 92
- Print and Hold function
 - see Held jobs 25
- Print Area (Setup Menu)
 - Setup Menu
 - Print Quality 85
- Print Demo 93
- Print Directory (Utilities Menu) 93
- Print Fonts (Utilities Menu) 93
- Print Menus (Utilities Menu) 93
- Print Mode (Color Menu) 51
- Print Net<x> Setup (Utilities Menu) 93
- print options
 - offset pages 54
 - separator sheets 54
 - See *also* separator source 54
- Print PS Error 79
- Print PS Error (PostScript Menu) 79
- print quality, adjusting
 - color correction 50, 51, 52, 86
- print speed 7, 190
- print statistics
 - job accounting 84
 - printing job statistics 93
- print timeout
 - configuring 86
- Print Timeout (Setup Menu) 86
- printer
 - model with paper handling options 6
 - resetting 59
- Printer Language (Setup Menu) 86
- printer messages
 - Enter PIN 27

- No Jobs Found. Retry? 27
- printer testing
 - Hex Trace mode 92
 - print defaults 93
 - print hardware statistics 93
- Printer Usage (Setup Menu) 86
- printing
 - menu settings page 11
- problem solving
 - paper jams 112
 - printer settings 8
- problems
 - calling for service 189
- Protocol (Parallel Menu) 63
- PS emulation
 - See PostScript emulation
- PS SmartSwitch 55
- PS SmartSwitch (Network Menu) 60
- PS SmartSwitch (Parallel Menu) 62
- PS SmartSwitch (Serial Menu) 82
- PS SmartSwitch (USB Menu) 91
- PS SmartSwitch, setting
 - See *also* printer language 86
 - network port 60
 - parallel port 62
 - serial port 82
 - USB port 91

R

- recycling supplies 138
- Remove Held Jobs 92
- removing
 - system board access cover 184
- Replace Supplies 89
- replacing
 - fuser 143
 - oil coating roll 152
 - photodeveloper 139
 - supplies 143, 152, 165, 170, 178
 - toner cartridges 165
 - transfer belt 156
- Reset Active Bin (Job Menu) 58
- Reset Printer (Job Menu) 59
- resetting
 - fuser counter 152
 - transfer belt counter 165
- Resetting Maint Cnt Value 101
- resetting printer 59

resetting the maintenance counter 170
resident fonts 34
Resource Save (Setup Menu) 86
Robust XON (Serial Menu) 82
RS-232 81
RS-242 81
RS-422 Polarity 81

S

safety information 3
scalable fonts, resident 34
Separator Sheets (Finishing Menu) 54
Separator Source (Finishing Menu) 54
Serial Buffer (Serial Menu) 82
Serial Menu 80
 Baud 80
 Data Bits 80
 Honor DSR 80
 Job Buffering 80
 NPA Mode 81
 Parity 81
 PCL SmartSwitch 81
 PS SmartSwitch 82
 Robust XON 82
 RS-232/RS-242 81
 RS-422 Polarity 81
 Serial Buffer 82
 Serial Protocol 82
serial port
 adjusting
 transmission speeds 80
 configuring
 buffer size 82
 NPA mode 81
 parity 81
 PCL SmartSwitch 81
 protocol 82
 PS SmartSwitch 82
 robust XON 82
 enabling
 DSR (Data Set Ready) signals 80
Serial Protocol (Serial Menu) 82
service, calling for 189
Setup Menu 83
 Alarm Control 83
 Auto Continue 83
 Display Language 83
 Download Target 84

Hole Punch Alarm 84
Jam Recovery 84
Job Accounting 84
Page Protect 85
Power Saver 85
Print Timeout 86
Printer Language 86
Printer Usage 86
Resource Save 86
Staple Alarm 87
Toner Alarm 87
Wait Timeout 87
speed
 print 7
Staple Alarm (Setup Menu) 87
Staple Job (Finishing Menu) 55
Staple Prime Src (Finishing Menu) 55
stapler
 alarm 87
 enabling 55
statistics
 printing 93
 storing 84
Std Net Setup (Network Menu) 60
storing
 paper 33
 supplies 138
Substitute Size (Paper Menu) 71
supplies
 ordering 136
 recycling 138
 replacing 143, 152, 165, 170, 178
 storing 138
Supplies Life 89
Supplies Menu 88
 Belt 88
 Black Photo Dev 88
 Color Photo Devs 88
 <color> Toner 88
 Fuser 88
 Replace Supplies 89
 Supplies Life 89
supplies, status of
 <color> toner 88
Symbol Set (PCL Emul Menu) 65
symbol sets, definition 39
system board access cover, installing 185
system board access cover, removing 184

T

- test printing
 - Hex Trace mode 92
 - menus page 93
- timeout
 - print 86
 - wait 87
- toner
 - alarm 87
 - soiled clothing 174
 - status 88
- Toner Alarm (Setup Menu) 87
- toner cartridge
 - ordering 136
 - recycling 138
- Toner Darkness (Color Menu) 52
- transfer belt
 - ordering 136
- transfer belt counter 170
 - resetting 165
- Transmit Delay 56
- transparencies 45
 - loading
 - paper tray 14
- Tray Renumber (PCL Emul Menu) 65
- troubleshooting
 - paper jams 112
 - printer settings 8

U

- Universal Setup (Paper Menu) 72
- Unsupported Disk 103
- USB Buffer (USB Menu) 91
- USB Menu 90
 - Job Buffering 90
 - MAC Binary PS 90
 - NPA Mode 90
 - PCL SmartSwitch 90
 - PS SmartSwitch 91
 - USB Buffer 91
- USB port
 - configuring
 - buffer size 91
 - NPA mode 90
 - PCL SmartSwitch 90
 - PS SmartSwitch 91
- Utilities Menu 91
 - Color Samples 93

- Defragment Flash 91
- Factory Defaults 92
- Format Disk 92
- Format Flash 92
- Hex Trace 92
- Job Acct Stat 93
- Print Alignment 92
- Print Demo 93
- Print Directory 93
- Print Fonts 93
- Print Menus 93
- Print Net<x> Setup 93
- Remove Held Jobs 92

V

- verifying options 12
- verifying printing
 - menus settings page 11

W

- Wait Timeout (Setup Menu) 87
- wait timeout, configuring 87
- Window Size 56

Lexmark and Lexmark with diamond design are trademarks of Lexmark International, Inc., registered in the United States and/or other countries.

© 2003 Lexmark International, Inc.

740 West New Circle Road
Lexington, Kentucky 40550