

***The Xerox
DocuPrint P14
Personal Laser Printer***

User Guide

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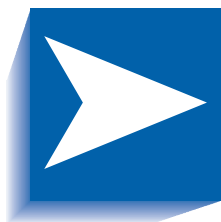
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This printer contains an emulation of the Hewlett Packard PCL 5e command language (recognized HP PCL 5e commands) and processes these commands in a manner compatible with Hewlett Packard LaserJet printer products.

Changes are periodically made to this document. Technical updates will be included in subsequent editions.

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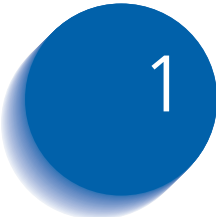
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1

Getting Started

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Introduction

In this chapter, you will become familiar with the features of your printer and learn where to locate specific printer parts.

Before you use your printer, make sure that you perform all of the setup steps outlined in the Quick Reference Card that came with your printer. For your convenience, the installation instructions are also included in this chapter. See the section “*Printer Setup*” (page 1-9).

Recognizing that you may have special needs, Xerox offers several optional printer accessories to better meet your requirements. These are explained in detail in *Appendix D: Printer Options*.

Xerox, or your Xerox authorized reseller, may have provided some or all of these options. First verify your exact accessory options before proceeding further. If you see features described in this section that are not available with the printer and accessories you have, you can easily add them yourself. For more information, refer to the separate Supplies/Options Guide provided with your printer.

Printer Components

Use Figures 1.1 through 1.3 to identify the main components of your DocuPrint P14.

Figure 1.1 Printer Components, Front View

Front View

- ❶ Face down stacker
- ❷ Paper lifter
- ❸ Multi-sheet feeder (MSF)
- ❹ Tray 1
- ❺ Tray 2 (optional)
- ❻ Control board cover
- ❼ Control panel
- ❽ Paper level indicator

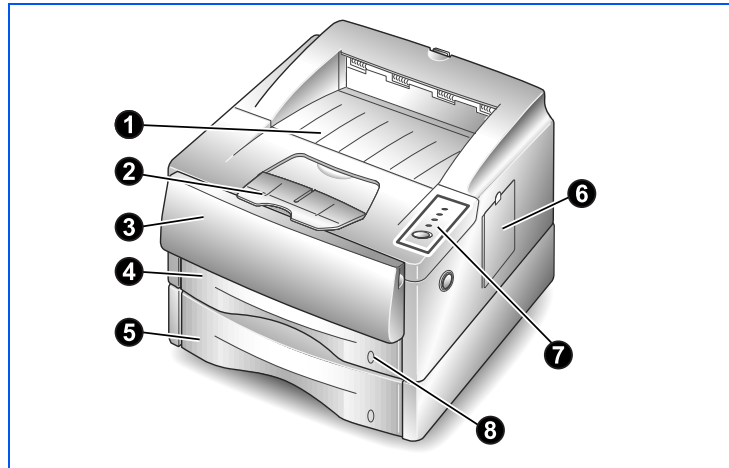


Figure 1.2 Printer Components, Inside Front View

Inside Front View

- ❶ Front cover
- ❷ Laser print cartridge
- ❸ Front cover release button

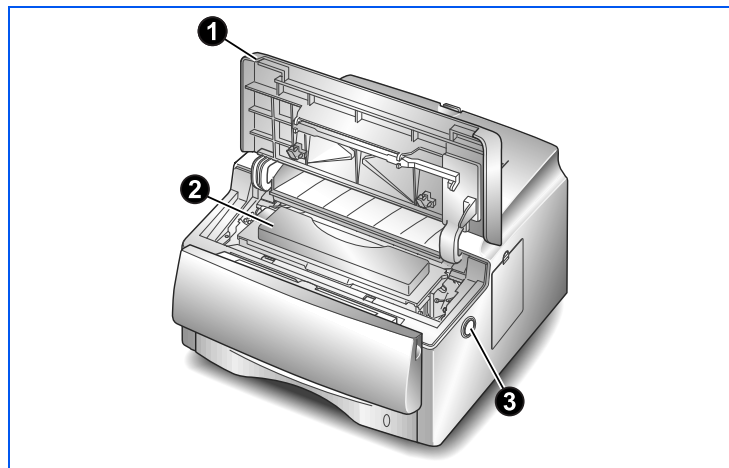
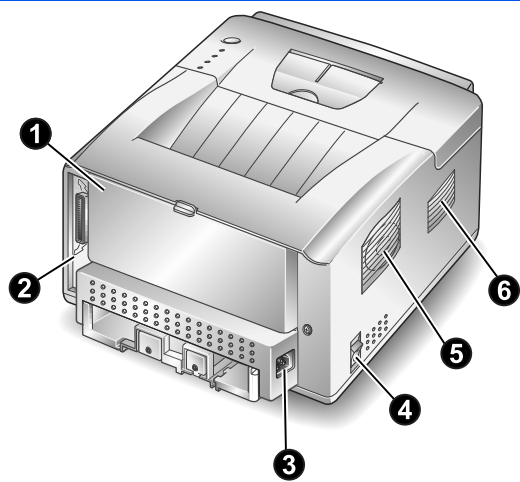


Figure 1.3 Printer Components, Rear View

Rear View

- ❶ Rear cover (with face-up stacker inside)
- ❷ Printer cable connectors
- ❸ Power cord connector
- ❹ Power switch
- ❺ Exhaust fan
- ❻ Cooling vent



Printer Features

Your Xerox DocuPrint P14 is a compact, easy to use laser printer designed for the small office environment. It is designed to provide years of high quality, high performance printing.

This manual tells you how to set up, operate and maintain your new printer, and contains advice on how you can get the best performance from it. Please use this manual together with the documentation provided with your computer hardware and software.

The maximum print speed for the DocuPrint P14 is 12 pages per minute. It offers true 600 x 600 dpi print resolution and 1200 x 1200 with resolution enhancement technology. The printer features one 250 sheet paper tray and multi-sheet feeder. The printer understands PCL 5e and PCL 6 printer languages, and has an option for PostScript Level 2. Other options include a second paper tray, and a serial/LocalTalk interface board for Apple Macintosh compatibility.

Printer Documentation

Your DocuPrint P14 is packaged with the following documentation and information:

- **Quick Reference Card**, which shows you how to get your printer up and running, and provides the basic information needed to use your printer.
- This **User Guide**, which provides you with all of the detailed information you will need to use, maintain, upgrade and troubleshoot your printer.
- **Supplies/Options Guide**, which gives you ordering information for printer consumables and options, as well as recommendations for supported print media (i.e., paper, transparencies, labels, envelopes, etc.).
- **Warranty Card**, which you should fill out and return in order to receive all of the benefits of owning a Xerox laser printer.
- The **DocuPrint P14 CD-ROM**, which contains the following:
 - **User Guide** (electronic version of this book)
 - **Printer Drivers**
 - **Xerox Font Manager**



For the printer drivers contained on the CD-ROM, the majority of documentation is provided via the on-line Help files included with the drivers. Features and functionality of the drivers are discussed in Chapter 3: Printing.

Since the CD-ROM contains so much information of importance, please ensure that you save it and keep it in a safe place.

Using the CD-ROM

The documentation on the CD-ROM is provided as a PDF file, which is opened in Adobe Acrobat Reader (provided on the CD-ROM if you do not already have it installed). This file contains hypertext links that enable you to jump from the Table of Contents or Index directly to the page where you are looking for information, as well as from page to page where information is cross-referenced. Simply move the cursor over a hypertext link and it changes to a pointing finger. Then click on the link to jump to the link's destination.

The PDF files also enable you to print the specific pages you need, rather than printing an entire chapter or manual.

The CD-ROM is provided with an installation booklet in its jewel case. You can also refer to the ReadMe file on the CD-ROM for more information.

Note, Caution and Warning Symbols

Throughout this User Guide, several symbols are used to emphasize useful, important and critical information. They are as follows:



This symbol indicates particularly useful or helpful information about your printer.



This symbol indicates a caution against performing any action that may damage your printer or degrade performance.



This symbol indicates a warning against performing any action that may lead to physical injury.

Printer Setup

Selecting a Location

Place your printer on a flat, stable surface near your workstation. Leave enough space around the printer, so that you can easily:

- Open the printer cover.
- Open the rear cover to remove jammed paper, or retrieve the paper when you use the rear face-up stacker.
- Remove and install the paper tray(s) to load paper.
- Allow air circulation around the exhaust fan and vent to prevent the printer from overheating.

Do not place the printer:

- In direct sunlight.
- Near heat sources or air conditioners. Place the printer where the temperature is stable and set for comfort.
- In dusty or dirty environments. Dust accumulation may prevent the printer from functioning properly.
- Near devices that contain magnets or generate magnetic fields (such as loudspeakers or base units of cordless telephones).

Unpacking the Printer

- 1 Remove the printer and all accessories from the packing carton.

Save the carton and packing materials in case you need to repack the printer for service or storage.

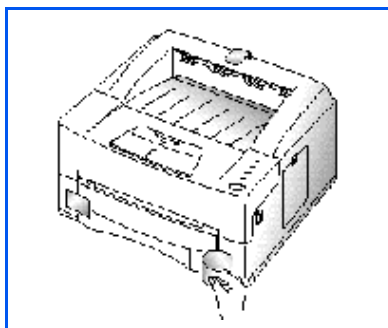
- 2 Make sure that your printer came packed with the following items:

- Laser print cartridge
- Power cord
- DocuPrint P14 CD-ROM
- Quick Reference Card
- Warranty Card
- IEEE 1284-compliant printer cable (may or may not be supplied with your printer)



If any items are missing or damaged, notify your dealer immediately.

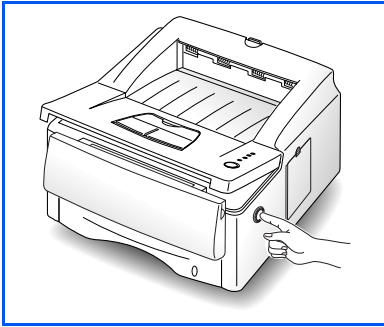
In order to connect your DocuPrint P14 to your computer, you have to purchase a printer cable separately. The section “Connecting to the Computer”(page 1-16)identifiestherequiredcables.



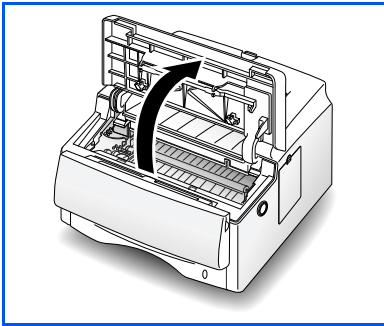
- 3 Carefully remove the shipping tapes from the printer.

Instructions for setting up your printer follow, starting with the section “Installing the Laser Print Cartridge” (page 1-11). If you purchased an additional memory SIMM, paper Tray 2, or other options, refer to *Appendix D: Printer Options* for installation instructions after completing the setup procedure.

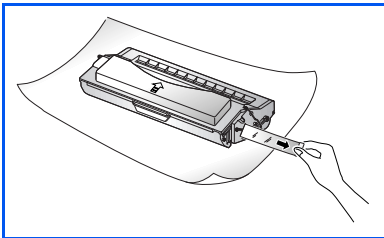
Installing the Laser Print Cartridge



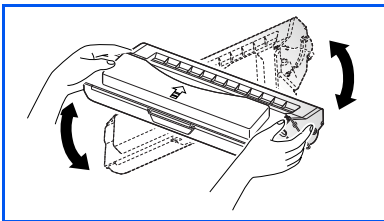
- 1** Open the printer cover by pressing the cover release button.



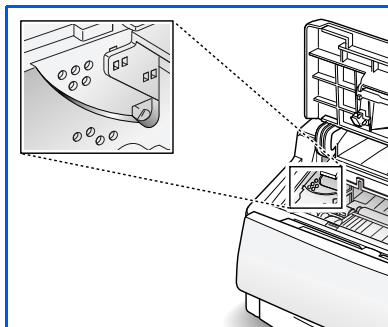
- 2** Raise the printer cover.



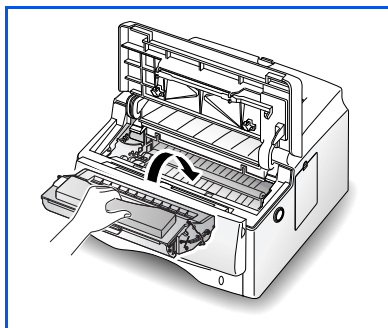
- 3** Unpack the laser print cartridge and place it on a clean sheet of paper. Carefully remove the sealing tape and discard it.



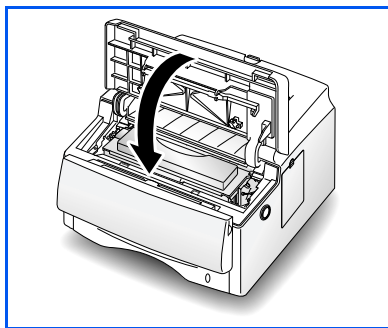
- 4** Shake the cartridge from side to side 5 or 6 times to distribute the toner evenly inside the cartridge.



- 5** Find the cartridge slots inside the printer, one on each side.



- 6** Grasp the handle and slide the cartridge down on top of the cartridge slots, until it drops into place. ■



- 7** Close the printer cover. Make sure that the cover is securely closed.

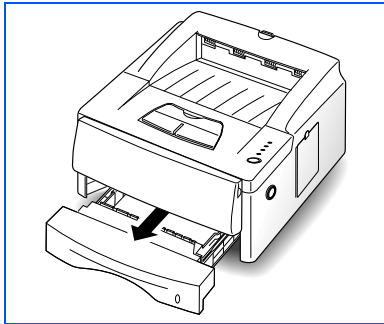
Proceed to the next section, “*Loading Paper*” (page 1-13). ■

Loading Paper

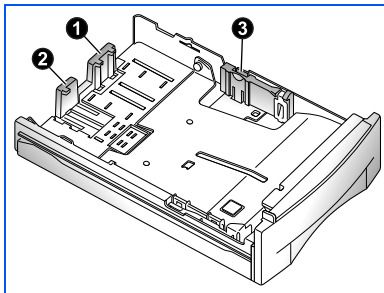
You can load approximately 250 sheets of paper. For the best print quality, use any high quality xerographic copier paper (75 g/m² or 20 lb.).



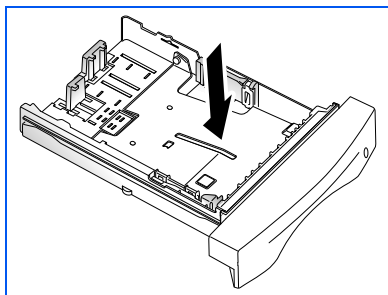
For more information on loading paper and other print media, refer to Chapter 2: Loading Print Media.



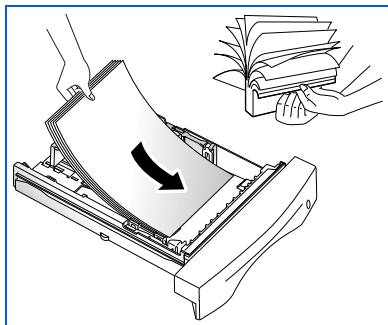
- 1** Remove Tray 1 by pulling it towards you. Remove the packing material from the tray, if any.



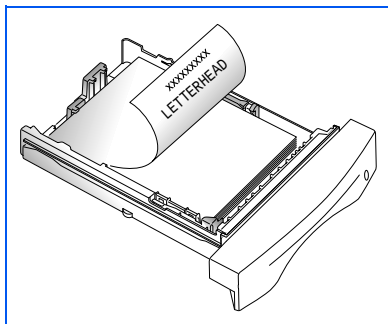
- 2** Pull out the length guides **1** and **2** and the width guide **3** (by squeezing the tab on each guide to slide the guide out).



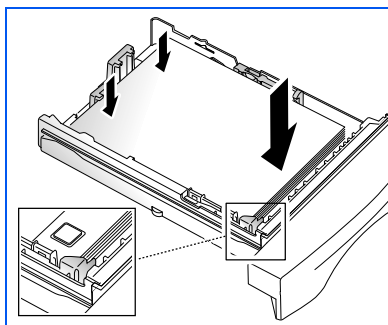
3 Push down on metal plate.



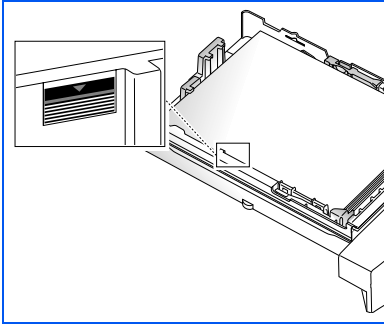
4 Fan the paper and load it in the tray with the print side facing down. The print side is usually indicated on the paper package. ■



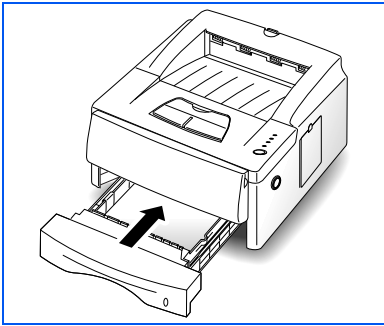
For preprinted stock, such as letterhead, place the printed design side face down with the top edge of the page toward the front of the tray. ■



5 Gently press the upper corners of the paper down under the tray tab as shown. ■



- 6** Make sure that the stack of paper does not exceed the line indicated by the mark on the left inside wall of the tray.
- 7** Slide the length and width guides against the edges of the paper stack, if necessary.



- 8** Insert the tray back into the printer.
Proceed to the next section, *“Connecting to the Computer”* (page 1-16).

Connecting to the Computer

Your printer can be connected to a Windows-based PC or to an Apple Macintosh computer (see the note, below). Refer to Table 1.1 for your connection options and the appropriate page in this manual for connection instructions.

Table 1.1 Interface options

Interface	Windows PC	Macintosh
Parallel	Yes (see page 1-17).	Not available.
USB	Yes (see page 1-18).	Yes (see page 1-18).
Serial*	Yes (see page 1-19).	Yes (see page 1-19).
LocalTalk*	Not available.	Yes (see page 1-20).

* Requires installation of the optional Serial/LocalTalk interface board. Refer to the Supplies/Options Guide that came with your printer, and to *Appendix D: Printer Options* for installation instructions.



To print documents from a Macintosh computer, you must install the following optional printer accessories:

- *PostScript SIMM*
- *Additional memory SIMM (12MB is required)*
- *Serial/LocalTalk interface board (if your Macintosh does not have a USB port)*

If you do not have these accessories, refer to the Supplies/Options Guide that came with your printer, or contact your authorized Xerox dealer. Installation instructions for these options can be found in Appendix D: Printer Options.

Once you have installed the required options and connected your printer, you will need to install the PostScript printer driver. This driver is provided on the CD-ROM that came with your printer. Installation instructions are provided in the section "Installing the PostScript Driver" (page 1-27).

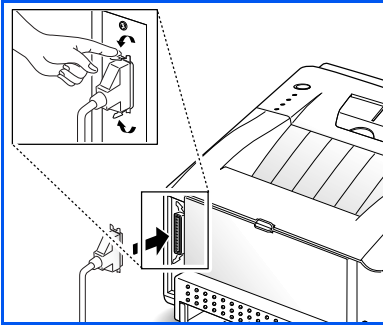
Using the Parallel Port

The parallel port requires a Centronics parallel interface cable that supports bidirectional communications (IEEE standard 1284). Ask your dealer for assistance if you need help selecting the right cable.

To connect the printer to the computer, follow the steps below:

- 1** Make sure that both the printer and computer are turned off.
- 2** Plug the cable into the connector on the back of the printer.
- 3** Push the metal clips down to fit inside the notches on the cable plug.
- 4** Connect the other end of the cable to the parallel port on your computer. See your computer documentation if you need help.

Proceed to the section *“Powering On the Printer”* (page 1-21)



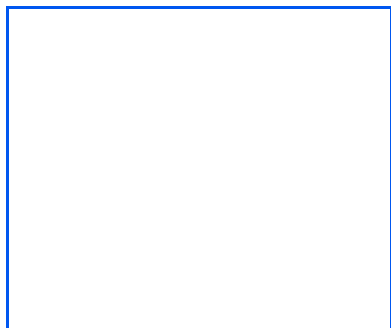
Using the USB Port

The USB port requires a USB v1.0-compliant cable. Ask your dealer for assistance if you need help selecting the right cable. ■

To connect the printer to the computer, follow the steps below:

- 1** Make sure that both the printer and computer are turned off.
- 2** Plug the cable into the USB connector on the back of the printer.
- 3** Connect the other end of the cable to the USB port on your computer (or elsewhere in the USB chain). See your computer documentation if you need help. ■

Proceed to the section *“Powering On the Printer”* (page 1-21)



Using the Serial Port

The optional serial port requires an RS-232C cable with a DB-9 male connector. Ask your dealer for assistance if you need help selecting the right cable.

To connect the printer to the computer, follow the steps below:

- 1** Make sure that both the printer and computer are turned off.
- 2** Plug the cable into the serial connector on the back of the printer.
- 3** Connect the other end of the cable to the serial port on your computer. See your computer documentation if you need help.

Proceed to the section *“Powering On the Printer”*
(page 1-21)



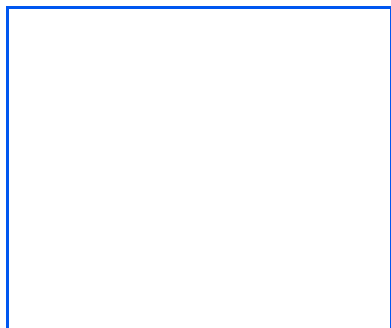
Using the LocalTalk Port

The optional LocalTalk port requires a LocalTalk PhoneNet cable with a DIN-8 connector. Ask your dealer for assistance if you need help selecting the right cable.

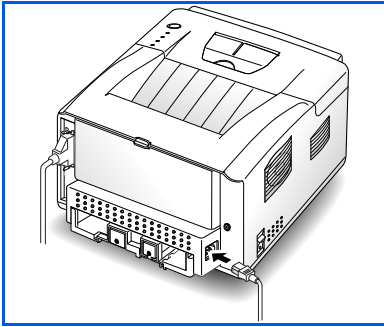
To connect the printer to the computer, follow the steps below:

- 1** Make sure that both the printer and computer are turned off.
- 2** Plug the cable into the LocalTalk connector on the back of the printer.
- 3** Connect the other end of the cable to the LocalTalk port on your computer (or to another LocalTalk connector that is part of the LocalTalk network). See your computer documentation if you need help.

Proceed to the section *“Powering On the Printer”* (page 1-21)

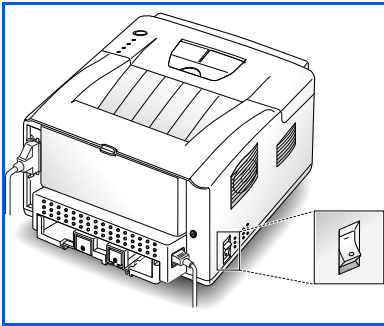


Powering On the Printer



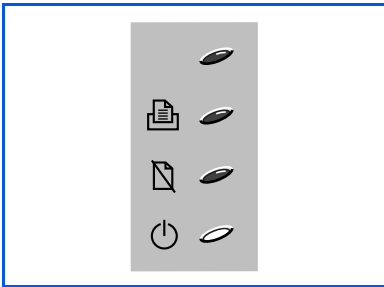
1 Plug one end of the power cord into the connector on the printer.

2 Plug the other end into a properly grounded AC outlet.



3 Turn the printer on.

As the printer powers up, all control panel lights turn on briefly. Then the lights scroll sequentially several times as the printer goes through its internal diagnostics.



4 When only the READY light is steadily on (as shown at left), press the control panel button for five seconds, then let go. A configuration sheet should print out (if not, recheck the installation).



The configuration sheet lists your printer model and default settings along with the interface ports available for your printer model.

Continue to the next section, “Installing Software” (page 1-22).

Installing Software

Included with your printer is a CD-ROM containing printer drivers for some of the most popular Windows software applications. To operate your printer, you must install a printer driver, which translates data from your application into data the printer understands. (Installation procedures follow this section.)

The CD-ROM shipped with your printer contains the following printer drivers and utilities.

- **PCL 5e printer driver** for Windows 95/98, Windows 3.1x and Windows NT 4.0
- **PCL 6 printer driver** for Windows 95/98 and Windows NT 4.0.
- **Status Monitor** enables you to monitor the status of print jobs.
- **Font Navigator** is a font manager. It gives a quick and easy way to find fonts, install the fonts, and print the font samples. Select the FontNav folder from the CD-ROM, and execute the setup file to install the Font navigator.
- **PostScript** Printer Description (PPD) files for Windows and Macintosh to allow installation of the PostScript option.
- **Remote Control Panel**, which allows you to set up your printer to work properly with DOS applications run inside a Windows MS-DOS command prompt window.
- **Adobe Acrobat Reader v3.02**, which allows your computer to display the on-line Xerox DocuPrint P14 user manuals.

Installing the PCL Driver

Minimum Requirements

Before you start, make sure that you have the following computer setup:

- IBM or compatible with a 486 or higher processor
- Microsoft Windows 95/98, Windows 3.1x, or Windows NT 4.0
- 7 MB of available hard disk space
- 8 MB of RAM for Windows 3.1x
- 16 MB of RAM for Windows 95/98, Windows NT
- CD-ROM drive
- Centronics-compatible parallel cable (IEEE 1284-compliant)



If you do not have access to a CD-ROM drive, contact your local dealer to have one installed.

Windows 95/98/NT 4.0 Installation

- 1** Turn on the computer and start Windows.

If Windows 95/98 recognizes the new printer, go to the section *“Windows 95/98 Plug and Play”* (page 1-25).

- 2** Insert the Xerox DocuPrint P14 CD-ROM into your CD-ROM drive. ■

If Windows does not automatically run the CD-ROM, go to the section *“If Windows Does Not Run the CD-ROM”* (page 1-25)

- 3** Type in your user name and company. Then click on the Next button.

- 4** The driver will be installed in the directory c:\p14util. If you want to change this, type in the directory you want. Then click on the Next button. ■

- 5** Follow the instructions on the screen.

Windows 95/98 Plug and Play

- 1** At the 'New Hardware Found' dialog box, click on the OK button. ■
- 2** Insert the Xerox DocuPrint P14 CD-ROM into your CD-ROM drive. ■
- 3** Using the Browse button, select **d:\win95\Win95.inf** (where "d" is your CD-ROM drive letter), then click OK. ■
- 4** Follow the instructions on the screen.

If Windows Does Not Run the CD-ROM

- 1** Select Run from the Start menu.
- 2** Type **d:\win95\setup.exe** on the command line (where "d" is your CD-ROM drive letter), then click OK. ■
- 3** Follow the instructions on the screen.

Windows 3.1x Installation

- 1** Make sure the printer is plugged and connected to your computer. Turn on your printer and computer.
- 2** Insert the CD-ROM disk into your CD-ROM drive.
- 3** In the Program Manager window, select **Run** from the **File** menu. The Run dialog box appears.
- 4** Type **d:\win95\setup.exe** on the command line (where “d” is your CD-ROM drive letter), then click on the OK button.
- 5** Follow the instructions on the screen.

Uninstalling the Printer Driver

An uninstall utility is supplied with the printer driver to enable you to remove the driver and all associated files from your hard disk, if so required.

To uninstall the driver, proceed as follows:

- 1** Windows 95/98/NT 4.0: From the Start menu, select **Programs > Xerox DocuPrint P14 > Uninstall P14 Driver**.

Windows 3.1x: From the Program Manager window, select the **Xerox DocuPrint P14** group from the File menu, then select **Uninstall P14 Driver**.

Installing the PostScript Driver

Your Xerox DocuPrint P14 CD-ROM contains PostScript printer description (PPD) files for both Windows 95/98/NT 4.0 and Macintosh.

Installing the PostScript printer driver requires the use of the operating system files on the original CD-ROM or diskettes that came with your system.

Using the PostScript printer driver requires installation of the PostScript option. If you do not have this option, refer to the Supplies/Options Guide that came with your printer. Installation instructions are provided in *Appendix D: Printer Options*.

Windows 95/98 and NT 4.0 Installation

- 1** Insert the Xerox DocuPrint P14 CD-ROM into your CD-ROM drive.
- 2** Copy the two files from the d:\win95\ps folder (where “d” is your CD-ROM drive letter) to any folder on your hard drive (for example, c:\windows).
- 3** Select **Start > Settings > Printers** from the Windows task bar.
- 4** Double click the **Add Printer** icon, and click **Next**.
- 5** Click on **Next** again.
- 6** Click on **Have Disk**, then click **Browse**. Select any folder designated in Step 2.

7 Click **Next**.

You are asked whether the printer is to be set as the default printer, and whether or not to print a test page. Make your selection, then you are prompted to insert your Windows operating system disk (CD-ROM or diskette).

8 Insert the original CD-ROM for your Windows operating system. Select the CD-ROM drive, then select your Win95 (or Win98) folder. Then click **OK**.



*If you insert a diskette, select the disk drive and click on the **OK** button.*

9 If you are asked for the DocuP14.PPD file, reinsert the Xerox DocuPrint P14 CD-ROM, click **Browse**, and locate the file in the folder d:\PostScript\Win95 (or WinNT) (where “d:” represents your CD-ROM drive letter). Follow the instructions on the screen.

Macintosh Installation

- 1** Make sure that the Macintosh and your printer are connected to each other with the proper cable. Turn on the Macintosh computer and printer.
- 2** Insert the CD-ROM shipped with your printer into your CD-ROM drive.
- 3** Make a copy of the PS\English\Others\Mac\ML-6000.PPD to 'Printer Descriptions' from Extensions folder.
- 4** Click on Laser Writer 8.x (provided with Macintosh). The name of your printer appears.

 *If you are not using Laser Writer 8.x driver, you can't proceed with the following steps.*
- 5** Click on your printer name.
- 6** Click on the **Setup** button.

 *If there is a Create button, click on the Create button. The installation is completed, and you do not need to proceed with the following steps. This step appears on some driver versions.*
- 7** Click on the **Auto Setup** button. The ML-6000.PPD file is installed automatically.

 *If you fail to Auto setup, click Select PPD and choose ML-6000 PPD.*
- 8** Make sure the PS file is installed correctly. Click on the OK button, then close Chooser.



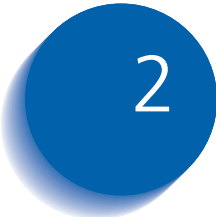
Installing the Remote Control Panel and Status Monitor

Windows 95/98/NT 4.0 Installation

- 1** Select **Run** from the **Start** menu.
- 2** Type **d:\win95utils\setup.exe** on the command line (where “d” is your CD-ROM drive letter), then click OK.
- 3** Follow the instructions on the screen.

Windows 3.1x Installation

- 1** In the Program Manager window, select **Run** from the **File** menu. The Run dialog box appears.
- 2** Type **d:\win95utils\setup.exe** on the command line (where “d” is your CD-ROM drive letter), then click on the OK button.
- 3** Follow the instructions on the screen.



2

Loading Print Media

<i>Selecting Print Media</i>	<i>2-2</i>
<i>Media Sizes and Capacities</i>	<i>2-3</i>
<i>Basic Guidelines</i>	<i>2-4</i>
<i>Loading Print Media</i>	<i>2-6</i>
<i>Using Tray 1 or 2</i>	<i>2-6</i>
<i>Using the MSF</i>	<i>2-9</i>
<i>Using the Rear Face Up Stacker</i>	<i>2-13</i>
<i>Duplex Printing</i>	<i>2-14</i>

Selecting Print Media

One of the most important things you can do to assure the best possible print quality from your printer is to select the correct paper. Your printer produces letter quality output on most plain bond papers, including cotton bond and photocopying papers; it does not require special papers. However, the print quality varies with different paper types. Be sure to test a small quantity of paper before you purchase a large quantity.



Refer to the separate Supplies/Options Guide that came with your printer for a listing of Xerox recommended print media.

Media Sizes and Capacities

Table 2.1 shows the DocuPrint P14 supported media sizes and input capacities.

Table 2.1 Supported Media Sizes and Capacities

Size	Input Source/Capacity*	
	Tray 1 or 2	MSF
Paper		
Letter (8.5 x 11 in.)	250	100
Legal (8.5 x 14 in.)	250	100
Executive (7.25 x 10.5 in.)	250	100
Folio (8.5 x 13 in.)	250	100
A4 (210 x 297 mm)	250	100
A5 (148 x 210 mm)	250	100
ISO-B5 (176 x 250 mm)	--	100
Envelopes		
Com-10 (4.125 x 9.5 in.)	--	10
Monarch (3.875 x 7.5 in.)	--	10
C5 (162 x 229 mm)	--	10
DL (110 x 220 mm)	--	10
C6 (114 x 162 mm)	--	10
Cards Transparency film Labels	--	1 at a time

* Depending on paper thickness, maximum capacity may be reduced.

Basic Guidelines

When selecting or loading paper, envelopes, or other special media, keep these guidelines in mind:

- Attempting to print on damp, curled, wrinkled, or torn paper can cause paper jams and poor print quality.
- Use cut-sheet paper only. You cannot use multipart paper.
- Use only high quality, copier grade paper. Avoid paper with embossed lettering, perforations, or texture that is too smooth or too rough.
- Colored paper should be of the same high quality as white photocopy paper. The pigments must withstand the printer's fusing temperature of 400°F (205°C) for 0.1 second without deterioration. Do not use paper with a colored coating that was added after the paper was produced.
- Preprinted forms must be printed with nonflammable, heat-resistant inks that do not melt, vaporize, or release hazardous emissions when subject to the printer's approximately 400°F (205°C) fusing temperature for 0.1 second.
- Store paper in its ream wrapper until ready to use. Place cartons on pallets or shelves, not on the floor. Do not place heavy objects on top of the paper, whether it is packaged or unpackaged. Keep it away from moisture, or other conditions that can cause it to wrinkle or curl.

- During storage, moisture-proof wrap (any plastic container or bag) should be used to prevent dust and moisture from contaminating your paper.
- You can use transparencies and labels designed for laser printers.
- Always use paper and other media that conform with those listed on the Supplies/Options Guide that came with your printer.
- When you choose envelopes, use only well-constructed envelopes with sharp, well creased folds.
 - DO NOT use envelopes with clasps and snaps.
 - DO NOT use envelopes with windows, coated linings, self-stick adhesives, or other synthetic materials.
 - DO NOT use damaged or poorly made envelopes.

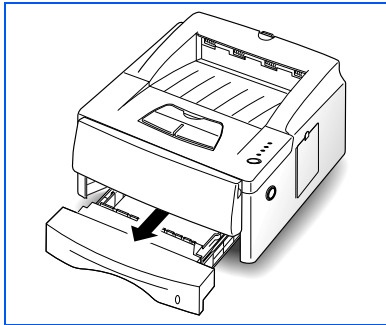
Loading Print Media

You can load up to 250 sheets of paper in Tray 1. Refer to Table 2.1 on page 2-3 for supported sizes. If you purchase the optional Tray 2 (described in *Appendix D: Printer Options*), you can double the capacity.

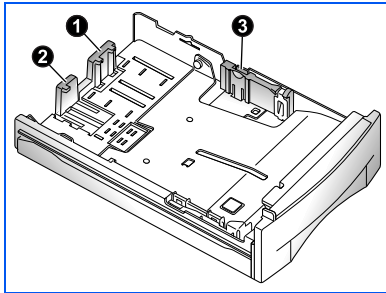
You can also use the multi-sheet feeder (MSF) to load up to 100 sheets of paper or to feed single items one at a time. See “Using the MSF” (page 2-9).

Using Tray 1 or 2

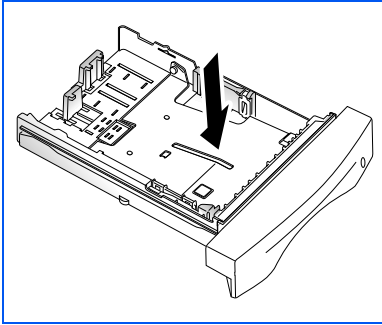
Use the following procedure to load either Tray 1 or the optional Tray 2.



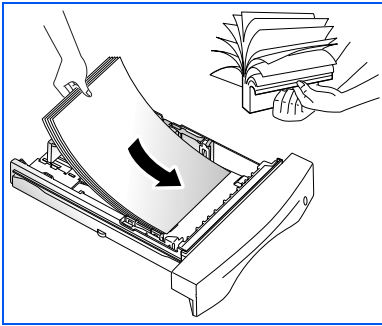
- 1 Remove the tray by pulling it toward you.



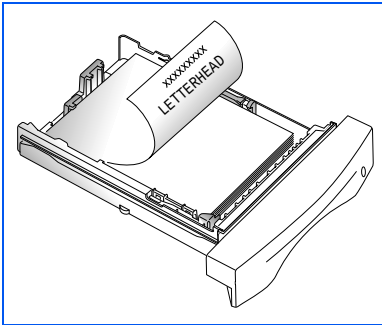
- 2 Pull out the length guides ① and ② and the width guide ③ (by squeezing the tab on each guide to slide the guide out).



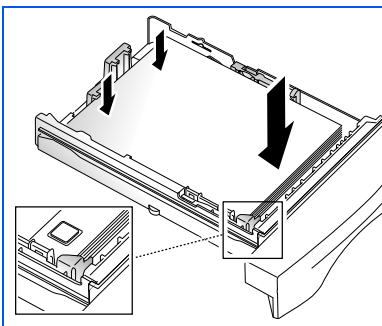
- 3** Push down the metal plate.



- 4** Fan the paper and load it in the tray with the print side facing down. The print side is usually indicated on the paper package.

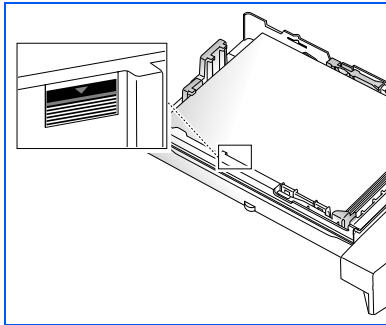


For preprinted stock, such as letterhead, place the printed design side face down with the top edge of the page toward the front of the tray.



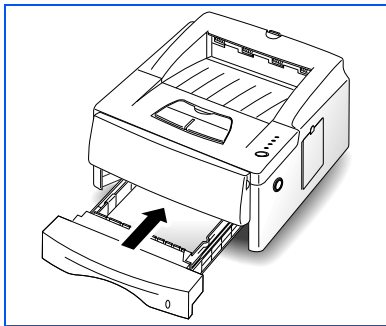
- 5** Gently press the upper corners of the paper down under the tray tab as shown.

Loading Print Media



6 Make sure that the stack of paper does not exceed the line indicated by the mark on the left inside wall of the tray.

7 Slide the length and width guides against the edges of the paper stack, if necessary.



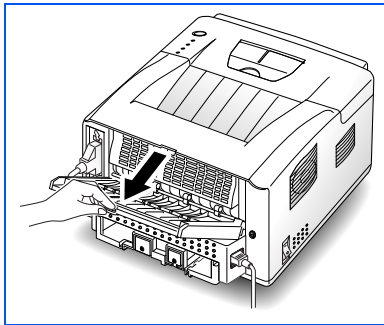
8 Insert the tray back into the printer.

Using the MSF

The multi-sheet feeder (MSF) is an auxiliary input device that you can use to feed media into the printer. You can stack up to 100 sheets of paper for automatic loading, or manually feed items one at a time.

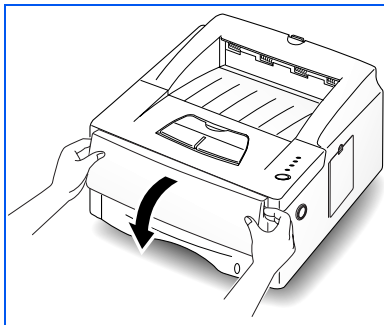


When you print on envelopes, heavier weight papers, transparencies, index cards, or paper labels, you must manually feed them one at a time through the MSF's manual feed slot. Refer to Table 2.1 on page 2-3.



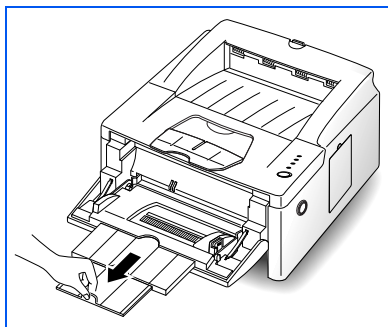
- 1** If you are printing on envelopes or other special print media that may be of heavier stock than ordinary paper, you should open the rear cover and print to the face up stacker.

For more information on using the rear face up stacker, see the section “Using the Rear Face Up Stacker” (page 2-13).

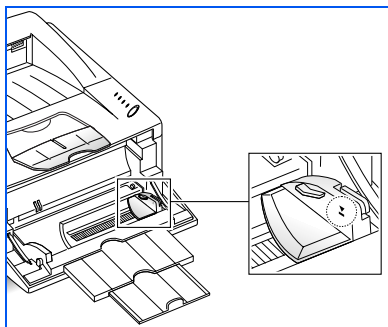


- 2** Pull open the MSF cover by grasping it on both sides and rotating it toward you.

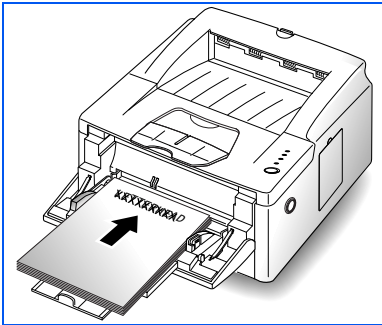
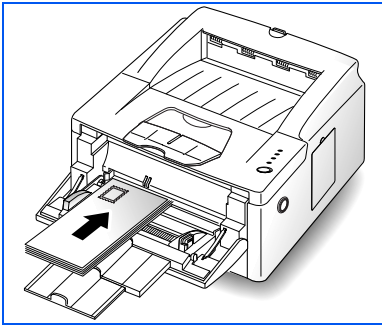
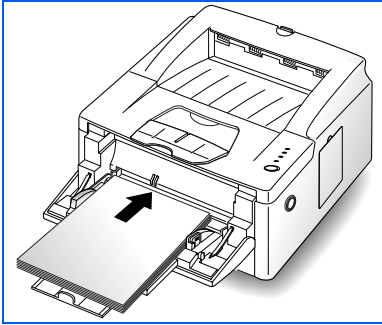
Loading Print Media



3 Pull out the feeder support.



4 Observe the stack height limit mark to avoid stacking your print media above the mark.

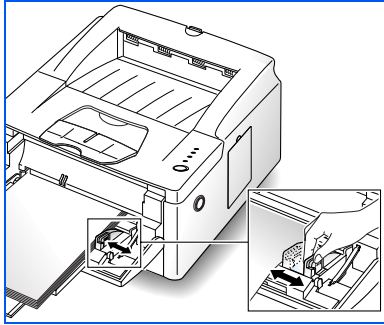


5 Load the print media against the left edge of the MSF tray. Up to 10 envelopes may be placed here. If printing cards, transparency film or labels, only one page at a time may be printed.

- Load letterhead paper with the design facing up. The top edge of the sheet with the logo should enter the printer first.
- Load a transparency sheet or a label sheet with a paper backing with the paper side down.
- Load an envelope with the flap side down. The stamp area is on the left side, close to the printer.



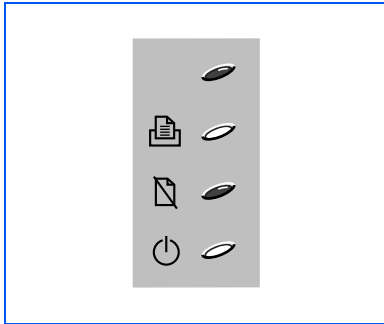
Never use envelopes with clasps, snaps, windows, coated linings, or self-stick adhesives. These envelopes may severely damage the printer.



6 Slide the width guide against the print media to secure it in place.

7 Before you start the print job, make sure that the paper source, paper size, and paper type settings in your software application are correct for the print material you are using.

If printing using manual feed, continue to Step 8.



8 Gently insert the print material into the printer until the printer starts to pull it in, then let it go. The MANUAL and READY lights come on as shown.



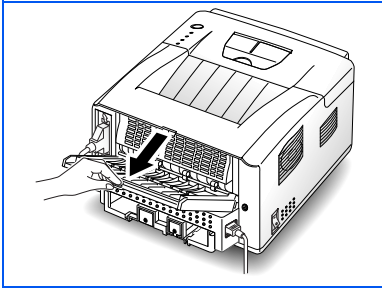
9 When the MANUAL and READY lights are both blinking, place the next sheet in the MSF.



If Auto Continue is available in your printer driver and if you set the option to ON, the printer will automatically use paper in the paper tray if you do not feed paper into the manual feed slot within 15 seconds.

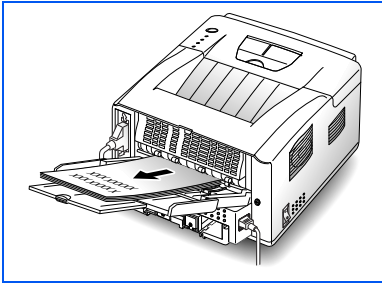
With Auto Continue set to OFF, the printer will not print unless you feed paper into the MSF. If you press and hold the operator panel button for about 4 seconds, the printer uses just one sheet from the paper tray and waits the next sheet from the manual feed slot.

Using the Rear Face Up Stacker

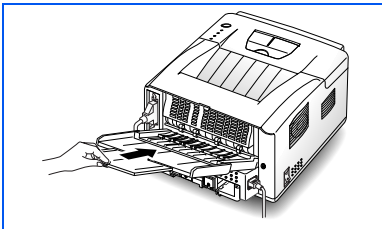


Use the rear face up stacker when you load paper, envelopes or other special media manually, and especially if you experience paper jams.

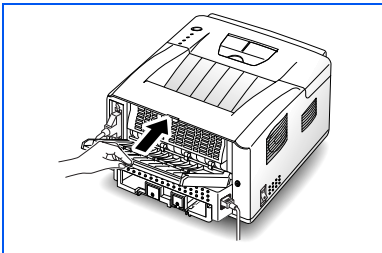
To use the rear face up stacker, open the rear cover and pull out the paper support extensions. The cover functions as the stacker.



The printed page is placed on the stacker with the printed side facing up.



To return to using the standard face down stacker, push in the paper support extensions and close the rear cover.



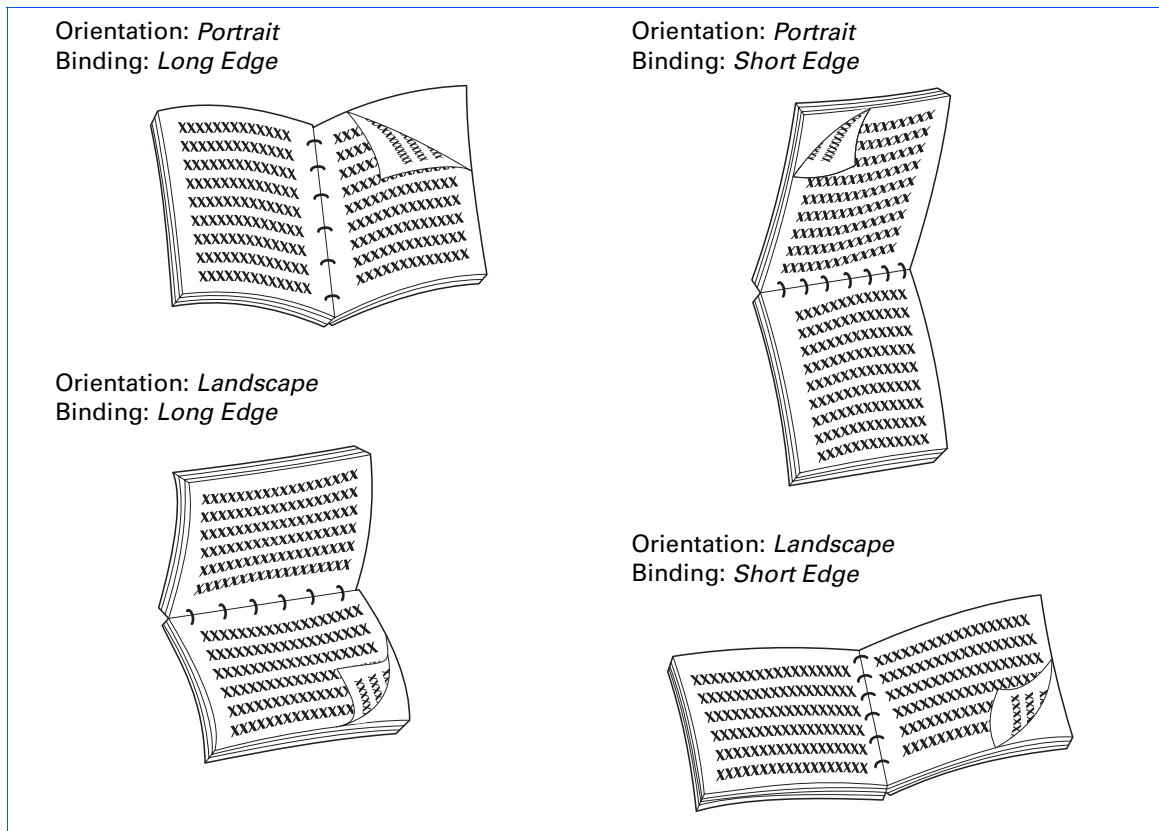
Duplex Printing

Your DocuPrint P14 will print duplex (two-sided) pages by specifying duplex printing when you print from your applications.

You can print the first side on paper loaded in either Tray 1 or the MSF (stacked or manual feed), but the reverse side must be fed from the MSF. For more information on duplex printing, see “Configuring the PCL Driver” (page 3-3).

Figure 2.1 shows proper paper orientation and binding direction for duplex print jobs.

Figure 2.1 Duplex Printing Orientation



3

Printing

<i>Printing a Document</i>	<i>3-2</i>
<i>Configuring the PCL Driver</i>	<i>3-3</i>
<i>Selecting Your Printer</i>	<i>3-3</i>
<i>Setting Properties</i>	<i>3-4</i>
<i>Configuring the PostScript Driver</i>	<i>3-7</i>
<i>Using Printer Utilities</i>	<i>3-8</i>
<i>Status Monitor</i>	<i>3-8</i>
<i>Font Navigator</i>	<i>3-8</i>
<i>Remote Control Panel</i>	<i>3-9</i>
<i>Using the Printer's Control Panel</i>	<i>3-15</i>
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Printing a Document

The following procedure describes the general steps required for printing from various Windows applications. The exact steps for printing a document may vary depending on the application program you are using. Refer to your software application's documentation for the exact printing procedure.



To use your DocuPrint P14, you must install a printer driver, described in Chapter 1: Getting Started. The way you access the printer driver varies depending on the software programs you use.

To use the PostScript driver, you must install the PostScript option, described in Appendix D: Printer Options.

- 1** Start the program you are using to create the document, and open the document you want to print.

- 2** Select **Print** from the **File** menu.

The Print dialog box appears.



Most Windows applications allow you to make changes to the print settings, such as number of copies, sequence of the pages, paper orientation, and margins.

If you go to the File>Print>Properties dialog box, you'll access the printer driver's Print Setup dialog box, in which you can set other printer properties. For Windows 3.1x, the equivalent command is File>Print>Setup>Options. See the section "Setting Properties" (page 3-4). When done, click OK to close the Print Setup dialog box.

- 3** After making any necessary changes to the print settings, click **OK** to start the print job.

Configuring the PCL Driver

Selecting Your Printer

To use all of the features of your DocuPrint P14, make sure it is selected as the default printer. When you install the printer driver, DocuPrint P14 is automatically set as the default printer. If you use more than one printer, select DocuPrint P14 as the default printer as follows:

Windows 95/98/NT 4.0

- 1** Select **Start**, **Settings**, then **Printers**.
- 2** Double-click **DocuPrint P14 PCL 5e**.
- 3** Select **Set As Default** from the Printer menu.
- 4** To set the printer's properties, select **Properties** from the Printer menu and change the settings as described in the section "*Setting Properties*" (page 3-4).

Windows 3.x

- 1** Double-click **Main** from the Program Manager. Then double-click **Control Panel**, and **Printers**.
- 2** Select **DocuPrint P14 PCL 5e**.
- 3** Click **Set As Default printer**.
- 4** To set the printer's properties, click **Setup** and change the settings as described in the section "*Setting Properties*" (page 3-4).

Setting Properties

The DocuPrint P14 printer driver's Print Setup dialog box allows you to set various printer properties.



Most Windows applications will override settings you specify in the printer driver. Change all print settings available in the software application first, and any remaining settings with the printer driver.

The DocuPrint P14 PCL 5e Print Setup dialog box includes four tabs:

- Setup
- Advanced Setup
- RCP
- About



The basic capabilities of the printer driver are described here. For detailed explanations and assistance with specific settings, use the driver's Help functionality, accessed by clicking the Help button in the dialog box.

Setup

Use this tab to change the number of copies, resolution, page orientation, paper size, and paper source.

Source setting identifies the default paper source. Tray 2 source is available if the optional Tray 2 is installed.

Manual Feed source is used when printing to special media. The default Auto Continue value of the printer is 15 seconds, meaning that the printer will wait up to 15 seconds for you to press the control panel button before printing. Afterwards the printer will attempt to print from whatever paper source is available. If the paper source is set to *Auto Select*, the printer automatically selects the print material according to the following priority: multi-sheet feeder, Tray 1, Tray 2.

Advanced Setup

Use this tab to change graphic settings, graphic mode, grayscale, and graphic quality. It also includes settings that determine how the printer handles TrueType fonts.



When you upgrade your printer memory, you have to set the correct memory size using the Advanced Setup tab.

RCP

Use this tab to control the following printer features:

- **Auto Continue** determines what action the printer should take when a manual feed print job is sent to the printer and there is no paper in the MSF. If set to *ON*, the printer will pick up the paper from Tray 1 after ten seconds. Otherwise, the printer will wait for you to load paper in the MSF.
- **Econo Mode** determines the toner quantity the printer should use when printing. If set to *ON*, the printer conserves toner when printing. The default value is *OFF*, which provides 100% usage.
- **Paper Type** provides the printer with information about the type of paper to be used for a print job. If you use paper with a weight of more than 42 lb. (90 g/m²), or an envelope, set this to *THICK* and use the MSF's manual feed slot.

ABOUT

This tab shows the software version and copyright information.

Configuring the PostScript Driver

TBD



Using Printer Utilities

Your Xerox DocuPrint P14 CD contains the following utilities, which are installed when you install the printer drivers:

- Status Monitor
- Font Navigator
- Remote Control Panel

Status Monitor

Status Monitor is a program that runs in background and automatically displays a message on your computer screen whenever the printer status changes.

Font Navigator

Font Navigator is a font manager for Windows 95/98, Windows NT(4.0), and Windows 3.1x. It gives a quick and easy way to find fonts, install fonts, and print font samples.

To access the Font Navigator in Windows 95/98 and NT 4.0, select **Start, Programs, Font Navigator**.

Remote Control Panel

The Remote Control Panel (RCP) is a program that allows you to set printer-specific settings in the printer. It also allows you to properly set up your printer to work with DOS applications run inside the Windows MS-DOS Command Prompt window.

DOS users can change print settings with the Remote Control Panel (RCP) program.

To start RCP in the DOS environment, type **MLRCP** at the DOS prompt, then press **Enter**. The Remote Control Panel screen appears.



*After you change RCP settings, you must send it to the printer by pressing the **Send** button.*

The screen includes the following tabs.

PRINTING

Use this tab to control the following printer features:

- **Paper Size** sets the paper size.
- **Orientation** determines how the printing is oriented on the page.
- **Top Margin** sets the top margin of the print material.
- **Left Margin** sets the left margin of the print material.

- **Copies** sets the number of copies printed for each page.
- **Paper Tray** sets the default paper source.
- **AUTO CR** sets how the printer performs a carriage return.
- **Quality** sets the printer resolution to either 300 or 600 dpi. The higher the setting, the sharper the clarity of printed characters and graphics.

CONFIG

Use this tab to control the following printer features:

- **Emulation** determines the printer language that the computer communicates with the printer.
- **Auto Continue** determines what action the printer should take when a manual feed print job is sent to the printer and there is no paper in the MSF. If set to *ON*, the printer will pick up the paper from Tray 1 after ten seconds. Otherwise, the printer will wait for you to load paper in the MSF.
- **Jam Recovery** determines what action the printer should take when a paper jam occurs. When set to *OFF*, the printer does not reprint a page that has jammed. When set to *ON*, the printer keeps the image in memory for a printed page until the printer signals that the page has successfully printed. The printer reprints all jammed pages.

- **Power Save** determines the length of time the printer waits after a job is printed before it goes to a reduced power state. If the printer is used frequently, select *OFF* which keeps the printer ready to print with the minimum warm-up time. This uses more electricity to keep the printer warm and ready to print.
- **Econo Mode** determines the toner quantity the printer should use when printing. If set to *ON*, the printer conserves toner when printing. The default value is *OFF*, which provides 100% usage
- **Fast Print** turns the fast print mode on or off.

JOB

Use this tab to control the following printer features:

- **Timeout** determines the amount of time (in seconds) the printer will wait before printing the last page of a print job that does not end with a command to print the page or a formfeed character.
- **Paper Type** provides the printer with information about the type of paper to be used for a print job. If you use paper with a weight of more than 42 lb. (90 g/m²), or an envelope, set this to *THICK* and use the MSF's manual feed slot.
- **Density** determines the overall density of the printed image.
- **Memory Enhancement** mode makes the printer process more data by optimizing the memory. When set to *ON*, the complex data can be processed.

I/O

Use this tab to control the following printer features (when using the serial port only):

- **Baud rate** sets the rate at which data is being sent to or from the computer. ■
- **Robust XON** sets XON/XOFF pacing (if the handshaking protocol uses XON/XOFF pacing). When set to *ON*, the printer sends a continuous stream of XONs to the host computer to indicate that the serial port is ready to receive more data. An XON is sent every second as long as no data is received across the serial port in the last second, the last XON is accepted by the host computer, and the printer is ready to receive data from the serial port. ■

TEST

Use this tab to control the following printer features:

- **Self Test** prints the configuration sheet. A list of the user default settings, the installed options, and the amount of printer memory available prints. ■
- **Demo Page** prints the standard demonstration page.

PCL

- **Typeface** allows you to select the desired typeface. This setting is ignored when the software application specifies a font.
- **Symbol** determines the symbol set. A symbol set is a set of alphabetic and numeric characters, punctuation, and special symbols used when printing with a selected font.
- **Pitch** sets the font pitch (only if you have selected a scalable monospaced font). Pitch refers to the number of fixed-space characters in a horizontal inch of type.
- **Point Size** sets the font point size (only if you have selected a scalable typographic font). 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.
- **Lines Per Page** sets the number of lines that print on each page. The setting can range from 1 to 225 lines per page.
- **Courier** determines the courier font type: *Regular* or *Dark*.
- **Font List** prints the font list showing all the fonts available for PCL emulation.

POSTSCRIPT

Use this tab to control the following printer feature (only when the PostScript option is installed).

- **Font List** prints the font list showing all the fonts available for PostScript.

ABOUT

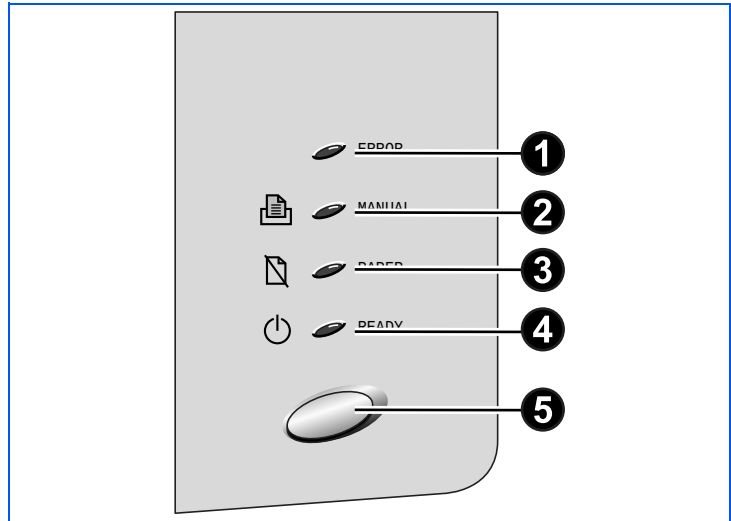
This tab shows the software version and copyright information.

Using the Printer's Control Panel

The control panel has four indicator lights and one button, as shown in Figure 3.1.

Figure 3.1 Control Panel

- 1 ERROR light
- 2 MANUAL FEED light
- 3 PAPER light
- 4 READY light
- 5 Control button



Indicator Lights

The four indicator lights show the current printer status, whether a normal or error condition exists.

An indicator light will either be:

- Off 
- On 
- Blinking 



As the printer powers up, all control panel lights turn on briefly. Then the lights scroll sequentially several times as the printer goes through its internal diagnostics.

Refer to Table 3.1 on page 3-17 to identify the various status and error conditions.

Table 3.1 Indicator Lights

Indicators	Status/Condition
	On-line If the READY light is on, the printer is ready to print.
	Printer busy If the READY light is blinking slowly, the printer is receiving data from the computer. Form feed There may also be unprinted data still in the printer. This usually happens when you use software that does not send an 'end-of-job' command or formfeed character when it finishes printing a file. Or the page may be too complex for the printer's memory capacity. Printing If the READY light is blinking quickly, the printer is printing a page.
	Off-line If all lights are off, the printer is off-line and cannot receive data from the computer. Press the control panel button to switch to on-line.

Table 3.1 Page 1 of 4

Table 3.1 Indicator Lights (continued)

Indicators	Status/Condition
	No paper If the PAPER light is blinking, the printer is out of paper. See the section <i>"Loading Print Media"</i> (page 2-6).
	Paper jam If the ERROR and PAPER lights are on, the printer has a paper jam. See the section <i>"Clearing Paper Jams"</i> (page 5-2).

Table 3.1 Page 2 of 4

Table 3.1 Indicator Lights (continued)

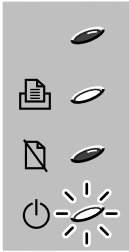
Indicators	Status/Condition
	Manual feed mode If the MANUAL FEED and READY lights are both on, the printer is in manual feed mode. It happens when you insert paper into the multi-sheet feeder (MSF), or when you select the 'Manual Feed' source from your software application.
	Manual feed printing If the MANUAL FEED light is on and the READY light is blinking, the printer is printing a page with paper fed manually.
	Waiting for next sheet from MSF If both the MANUAL FEED and READY lights are blinking, the printer is waiting for the next sheet to be fed from the MSF
Table 3.1 Page 3 of 4	

Table 3.1 Indicator Lights (continued)

Indicators	Status/Condition
	Cover open or no cartridge If the ERROR light is on, the printer has experienced an error. Things to Check For: • The printer cover is open or not closed securely. • The laser print cartridge is either missing or not installed.
	Overrun or memory overflow If the ERROR light blinks for a while, then only the READY light comes on, the printer has insufficient memory to process the job. The printer will print a page, telling you the error status. Simplify the page layout and remove any unnecessary graphics. Or, you could add more memory.
	System error If all lights blink, the printer may have a system error. Turn the printer off and back on. If the printer is still not operating properly and all lights blink, you have to call for service. Contact Xerox or your authorized Xerox reseller.
Table 3.1 Page 4 of 4	

Control Panel
Button

Refer to Table 3.2 for a description of the control panel button's various uses.

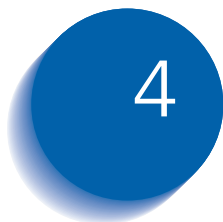
Table 3.2 Button Functions

Function	Description
On-line and Off-line	Briefly press the button. Each time you press it, the printer goes on-line or off-line, and the READY light will be on or off according to the status. To print data, the printer should be on-line.
Printer reset	Perform a reset if the printer seems to be having difficulty printing a page, i.e., the READY light is blinking slowly and no image is printed after a long time. This function will cancel the print job from the printer, erase data from the printer and reset the printer. Flush the operating system printer spooler first. Follow this procedure for Windows 95, 98 and NT 4.0: File > Settings > Printers > Right-click Xerox DocuPrint P14 > Purge Print Documents. For Windows 3.1x, follow this procedure: Main Group > Print Manager > Xerox DocuPrint P14 on LPT1 > Highlight document to delete > Document > Delete Document. To reset the printer, make sure that all lights are off. If necessary, briefly press the button to turn the printer to off-line status. Press and hold the button for about four seconds until all lights blink briefly, then let go of the button. All data not printed yet will be erased, then the READY light will come on.

Table 3.2 Page 1 of 2

Table 3.2 Button Functions (continued)

Function	Description
Self test	The printer should be on-line, i.e., the READY light is on and the other lights are off. Press and hold the button for about four seconds until all lights blink briefly, then let go of the button. The configuration sheet will print.
Form feed	If the READY light is blinking slowly and the printer does not print any image, there is unprinted data in the printer. To print the remaining data, press and hold the button for about four seconds while the READY light is blinking.
Print quality adjustment	If you are getting streaks or spots on your prints, the printer's OPC drum may need to be cleaned. Press and hold the button for about ten seconds until all lights blink briefly, then let go of the button. After cleaning the printer, one cleaning sheet will print.  <i>If the printer determines that a cleaning of its OPC drum is necessary, it will automatically print a Print Quality Adjustment page during the course of a normal print job.</i>
Table 3.2 Page 2 of 2	



Maintaining the Printer

<i>Replacing the Laser Print Cartridge</i>	<i>4-2</i>
<i>Cleaning the Printer</i>	<i>4-5</i>
<i>Cleaning the Outside</i>	<i>4-5</i>
<i>Cleaning the Inside</i>	<i>4-6</i>

Replacing the Laser Print Cartridge

The life of your laser print cartridge depends on the amount of toner used in each print job. For instance, when you print mostly business letters, which typically have about a 5% page coverage, you can expect a laser print cartridge life of approximately 6,000 pages. If you print a lot of graphics, you may need to change the cartridge more often. You can check how many pages have been printed by printing a configuration sheet, as described in the section “Control Panel Button” (page 3-21).

If the Econo Mode option is available in your software application program, you can extend the life of your laser print cartridge. Econo Mode uses approximately 50% less toner than normal printing. The printed image is much lighter, and is adequate for printing drafts or proofs.

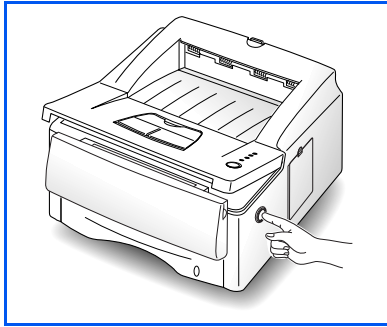


When the laser print cartridge is near the end of its life, white vertical streaks or hue changes will occur. You can temporarily reestablish print quality by redistributing the remaining toner in the cartridge:

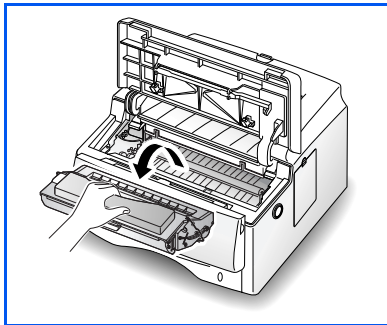
- *Open the printer cover and remove the cartridge.*
- *Gently shake the cartridge to distribute the toner evenly inside the cartridge.*
- *Reinstall the cartridge and close the cover.*

This is typically successful one time only, however. As the toner eventually runs out, print quality problems will reoccur and the ERROR indicator on the control panel will light up (see page 3-20). You will have to replace the laser print cartridge (go to page 4-3).

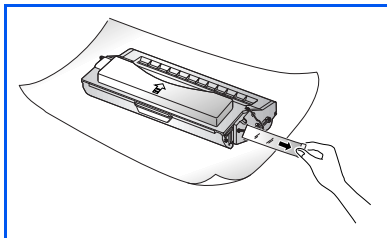
To replace the laser print cartridge:



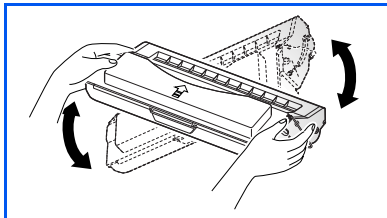
- 1 Open the front cover by pressing the cover release button, and raise the cover.



- 2 Remove the old laser print cartridge. Follow the instructions printed on the cartridge box to recycle it.

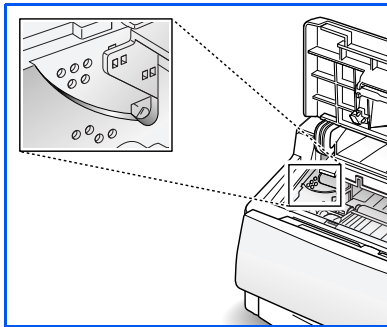


- 3 Unpack the new laser print cartridge and place it on a clean sheet of paper. Carefully remove the sealing tape and discard it.

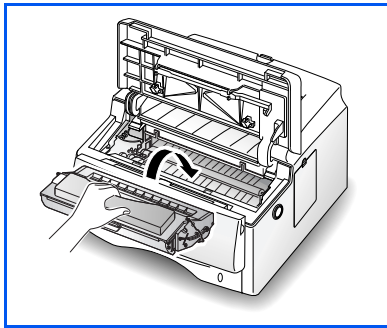


- 4 Shake the cartridge from side to side five or six times to distribute the toner evenly inside the cartridge.

Replacing the Laser Print Cartridge



- 5** Find the cartridge slots inside the printer, one on each side.



- 6** Grasp the handle and slide the cartridge down on top of the cartridge slots until it drops into place. Then, close the front cover.

Cleaning the Printer

This section contains some general guidelines for keeping your DocuPrint P14 clean.



Do not use ammonia-based sprays or volatile solvents such as thinner to clean the printer, as these can damage the printer surface.



Keep the front cover closed when cleaning the outside of the printer.

Always unplug the power cord before cleaning the inside of the printer.

Cleaning the Outside

Wipe the outside surfaces of the printer with a soft, clean, lint-free cloth. You can dampen the cloth slightly with water, but be careful not to let any water drip onto the printer or inside it.

Cleaning the Inside

When paper jams occur, unfused toner on the paper can fall off the paper and build up inside the printer.

- 1** Unplug the power cord. ■
- 2** Remove the laser print cartridge, as described on page 4-5. ■
- 3** Use a soft cloth to wipe away any dust and spilled toner from the cartridge. ■
 *You can dampen the cloth slightly with water, but be careful not to let any water drip onto the printer or inside it.*
- 4** Reinsert the laser print cartridge. ■



5

Troubleshooting

<i>Clearing Paper Jams</i>	<i>5-2</i>
<i>Output Area</i>	<i>5-4</i>
<i>Input Area</i>	<i>5-5</i>
<i>Inside the Printer</i>	<i>5-6</i>
<i>In Optional Tray 2</i>	<i>5-7</i>
<i>Solving Printing Problems</i>	<i>5-9</i>
<i>Solving Print Quality Problems</i>	<i>5-14</i>
<i>Solving PostScript Problems</i>	<i>5-17</i>
<i>Obtaining Service</i>	<i>5-18</i>

Clearing Paper Jams

By carefully selecting your print media and loading them properly, you should be able to avoid most paper jams. If a paper jam occurs, the following will happen:

- The Status Monitor pops up and reports problems the printer is having.
- The control panel's PAPER and ERROR indicator lights both come on steadily.



To avoid tearing paper, pull the jammed paper out gently and slowly.

If jams occur frequently, make sure that you:

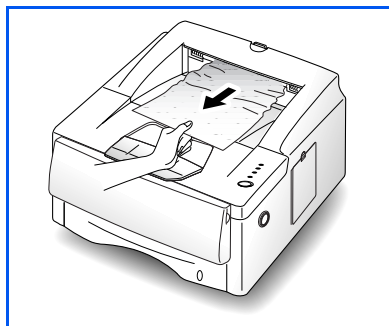
- Load media properly. See the section “*Loading Print Media*” (page 2-6). Make sure the adjustable guides are positioned correctly.
- Do not overload the paper tray. Make sure the paper is under the paper capacity mark on the inside of the tray, and fits under the metal corner tabs of the tray.
- Do not remove a paper tray while the printer is printing.
- Flex, fan, and straighten the stack of paper before loading it.

- Do not load stacks of labels or transparencies in the paper trays or multi-sheet feeder (MSF). Labels or transparencies must be fed one at a time through the MSF. ■
- Do not load wrinkled, creased, damp, or highly curled paper. ■
- Do not mix paper types in one tray. ■
- Use only recommended print materials. See the Supplies/Options Guide.
- Make sure the recommended print side is face down when loading a paper tray. ■
- Keep print materials stored in an acceptable environment.

Paper jams can occur in any of four areas: ■

- “*Output Area*” (page 5-4)
- “*Input Area*” (page 5-5)
- “*Inside the Printer*” (page 5-6)
- “*In Optional Tray 2*” (page 5-7)

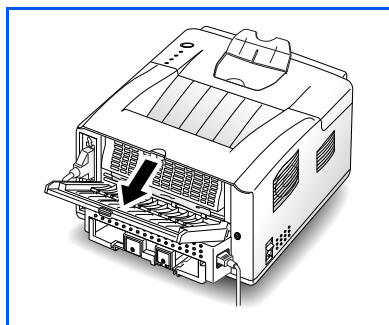
Output Area



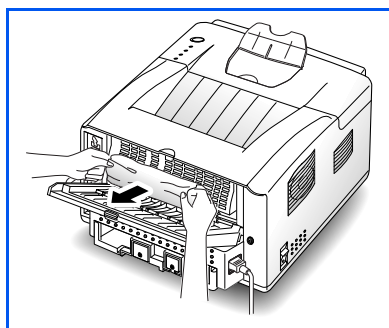
Follow the steps below to clear a paper jam from the output area.

- 1** If the item jams as it exits to the face down stacker and a long portion of it is visible, pull it straight out.

If there is resistance when you pull on the item, and it does not move immediately when you pull it, stop pulling and continue with the next step.



- 2** Locate the rear cover and open it outwards.

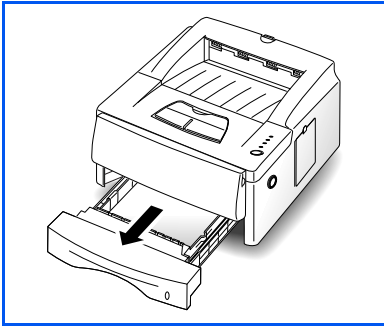


- 3** Loosen the item if it is caught in the feed rollers, then pull it gently out. Then close the rear cover.

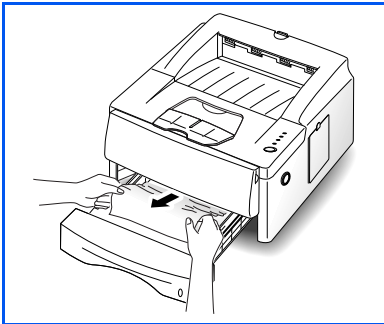
- 4** To resume printing, open the front cover, then close it again.

Input Area

Follow the steps below to clear a paper jam from the input area.



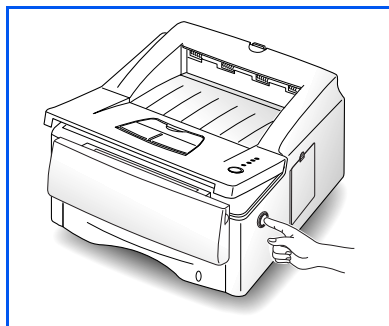
- 1** Pull Tray 1 half way out of the printer.



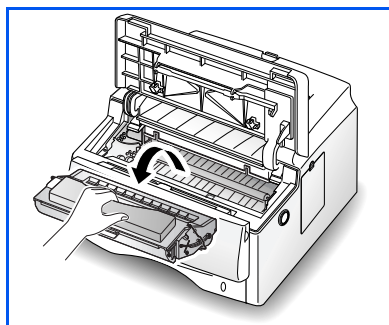
- 2** If you see the jammed item, pull the tray out of the printer and remove the jammed item. Check if remaining paper in the tray is properly seated.
- 3** Slide the tray back into the printer.
 *If a short piece is visible and you cannot grasp it, or if you do not see the paper, the jam has occurred inside the printer. See the section “Inside the Printer” (page 5-6).*
- 4** If the printer does not resume printing after you have cleared the jam, open the printer cover, then close it again.

Inside the Printer

Follow the steps below to clear a paper jam from inside the printer.



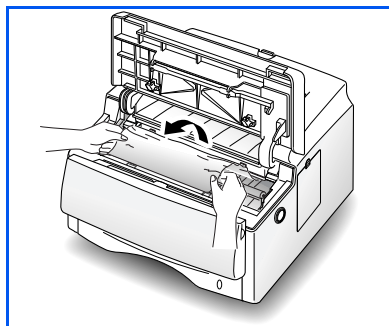
- 1 Open the front cover by pressing the cover release button, and raise the cover.



- 2 Remove the laser print cartridge and place it on a clean piece of paper.



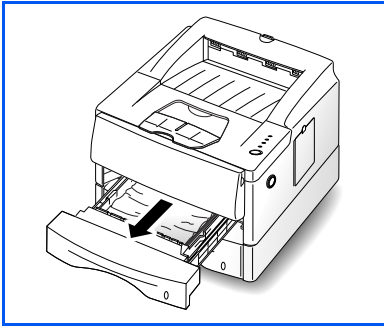
Do not expose the green drum area to bright light and do not touch this area. Do not move the shutter that protects the green drum.



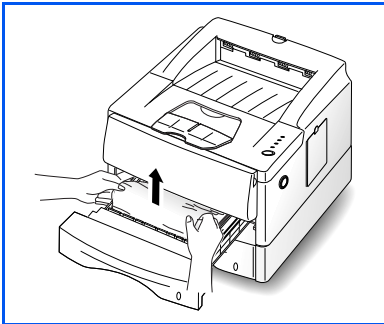
- 3 Gently pull the item toward you.
- 4 Check that there are no other items in the printer.
- 5 Reinstall the laser print cartridge, then close the printer cover.

In Optional Tray 2

Follow the steps below to clear a paper jam from inside the optional Tray 2.



- 1** Pull Tray 1 half way out of the printer.



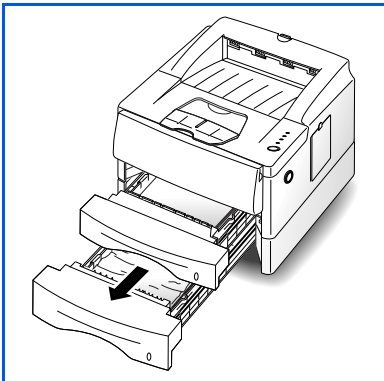
- 2** If you see the jammed paper, pull it out.



Paper may also be trapped in a vertical position in Tray 1 while the printer was grabbing paper from Tray 2.

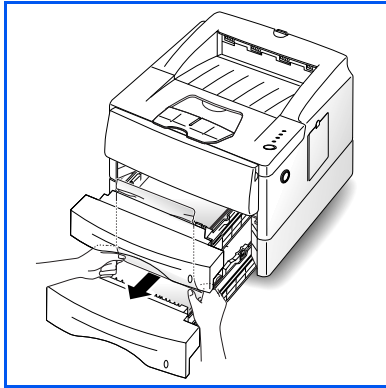
- 3** Slide Tray 1 back into the printer.

If a short piece is visible and you cannot grasp it, or if you do not see the paper, the jam has occurred inside Tray 2. Continue with Step 4.



- 4** Pull Tray 2 out of the printer.

Clearing Paper Jams



- 5** If you see the jammed paper, pull it out.
- 6** Slide the tray back into the printer. ■
- 7** If the printer does not resume printing after you have cleared the jam, open the printer cover, then close it again.

Solving Printing Problems

If you have any problems with the operation of your DocuPrint P14, refer to Table 5.1 on page 5-10 for suggested remedies.



If you cannot solve a problem after carrying out the suggested remedies in this section, call the Xerox Helpline. See the section “Obtaining Service” (page 5-18).

Table 5.1 Printer Operation Problems

Problem	Possible Cause	Remedy
The printer does not print.	Your printer is not selected as the default printer.	Select DocuPrint P14 PCL 5e, P14 PCL 6, or P14 PS as your default printer. See the section <i>"Selecting Your Printer"</i> (page 3-3)
	The front cover may be open.	Make sure that all covers are closed securely.
	The printer cable is not connected properly.	Check the connection.
	The printer cable is defective.	Swap the cable with one known to work. If printing is now possible, replace the bad cable.
	The port setting is incorrect.	Check the Windows printer settings to make sure that the print job is being sent to the correct port (for example, LPT1)
	The laser print cartridge is not installed properly.	Remove and reinsert the laser print cartridge.
	A paper jam has occurred.	Clear the paper jam. See the section <i>"Clearing Paper Jams"</i> (page 5-2).
	The printer may be configured incorrectly.	Check the application to make sure that all print settings are correct.
	The printer driver may be incorrectly installed.	Delete the printer driver, and reinstall the printer driver. Try printing a configuration sheet.

Table 5.1 Page 1 of 4

Table 5.1 Printer Operation Problems (continued)

Problem	Possible Cause	Remedy
Paper is not fed into the printer.	Paper has not been loaded correctly.	Remove the paper tray and reload the paper correctly.
	There is too much paper in the paper tray.	Remove some of the paper from the tray.
The printer ejects blank pages.	The laser print cartridge is out of toner.	Replace the laser print cartridge. See the section <i>“Replacing the Laser Print Cartridge”</i> (page 4-2).
Half of the page is blank.	The page layout is too complex.	Simplify the page layout and remove any unnecessary graphics from the document, if possible. Install more memory. See <i>“Memory and PostScript SIMMs”</i> (page D-4).
	The page orientation setting may be incorrect.	Change the page orientation in your application program.
	The paper size and the software paper size settings do not match.	Make sure the paper size in the software settings matches the paper in the tray.
	The printer cable specifications may be incorrect.	Replace with the cable with an IEEE-1284 rated cable.

Table 5.1 Page 2 of 4

Table 5.1 Printer Operation Problems (continued)

Problem	Possible Cause	Remedy
The printer prints the wrong data, or it prints incorrect characters.	The printer cable is not connected properly.	Check the connection.
	There may be a problem with the printer driver software.	Exit Windows and reboot the computer. Turn the printer off and then back on again.
	The printer cable specifications may be incorrect.	Replace the cable with an IEEE-1284 rated cable.
	The wrong printer driver is selected.	Select the correct printer driver.
The paper keeps jamming.	There is too much paper in the paper tray.	Remove excess paper from the paper tray. If printing special media, use the MSF for printing.
	An incorrect type of paper is being used.	Use only paper that meets the specifications required by the printer.
	An incorrect output method is being used.	Items such as thick paper should not be printed using the standard face down stacker. Use the rear face up stacker instead.

Table 5.1 Page 3 of 4

Table 5.1 Printer Operation Problems (continued)

Problem	Possible Cause	Remedy
Printing is too slow.	If using Windows 3.1x, Print Manager may be disabled.	From the Control Panel Printers menu, check the Use Print Manager box.
	If using Windows 3.1x, the Background Printing item in the Options menu of Print Manager may be set incorrectly.	Select Background Printing from the Options menu in the Print Manager.
	If using Windows 95, 98 or NT, the spooling setting may be set incorrectly.	From the Start menu, select Settings and Printers . Click the DocuPrint P14 icon with the right mouse button, select Properties , click the Details tab, and then click the Spool Settings button. Select the desired spool setting from the available choices.
	The computer may have insufficient random-access memory (RAM).	Install more random-access memory (RAM) in your computer. See “Memory and PostScript SIMMs” (page D-4).
Table 5.1 Page 4 of 4		

Solving Print Quality Problems

If you have any problems with the printed output of your DocuPrint P14, refer to Table 5.2 on page 5-15 for suggested remedies.



The causes listed in Table 5.2 are probable causes only, and may not represent all of the possible cases which may occur under actual operating conditions. If you experience a problem which does not seem to fall under any of the cases listed in this table, or if you are concerned about any other aspect of printer operation, contact the Xerox Helpline.

Table 5.2 Print Quality Problems

Problem	Possible Cause	Remedy
Irregular faded patches of print	There is a paper quality problem.	Use only paper that meets the specifications required by the printer.
	Toner may be unevenly distributed.	Remove the laser print cartridge and shake it gently to evenly distribute the toner. Then replace the cartridge back into the printer.
Black staining	There is a paper quality problem.	Use only paper that meets printer specifications.
	A laser print cartridge from another printer has been installed.	Always use the same laser print cartridge with the same printer. Using a cartridge that has already been used in another printer may not give satisfactory results.
	The printer's OPC drum may need to be cleaned.	Press and hold the control panel button for ten seconds until all lights blink, then let go of the button. The printer cleans the OPC drum automatically. After cleaning, one cleaning sheet prints.
Character voids	The paper may be too dry.	Try printing with a different batch of paper.
Background scatter	The paper may be too damp.	Try printing with a different batch of paper. Do not open packages of paper until necessary so that the paper does not absorb too much moisture from the air.
	Printing over uneven surfaces.	If printing onto envelopes, change your printing layout to avoid printing over areas that have overlapping seams on the reverse side.

Table 5.2 Page 1 of 2

Table 5.2 Print Quality Problems (continued)

Problem	Possible Cause	Remedy
Missing characters	The paper may be too damp.	Try printing with a different batch of paper. Do not open packages of paper until necessary so that the paper does not absorb too much moisture from the air.
Back of printout dirty	The transfer roller may be dirty.	Print a few blank pages to clean the transfer roller.
Incorrect fonts	TrueType fonts may be disabled.	Use the Fonts dialog box in the Control Panel to enable TrueType fonts.
Faded graphics.	Toner may be low.	Remove the laser print cartridge and shake it gently to evenly distribute the toner. Then replace the cartridge back into the printer.
Table 5.2 Page 2 of 2		

Solving PostScript Problems

Table 5.3 contains problems that may occur with PostScript printing (available only if the PostScript option is installed).

Table 5.3 PostScript Problems

Problem	Possible Cause	Remedy
PostScript file can not be printed.	The PostScript option may not be installed, or the installed memory may be insufficient.	Print a configuration sheet and verify that the PS version is available for printing, and that total system memory is at least 12 MB. If PostScript is not available, install the PostScript option. See <i>"Memory and PostScript SIMMs"</i> (page D-4). If system memory is not at least 12 MB, install the 8 MB SIMM provided with the PostScript option.
Error messages are printed (i.e., "This job contains binary data...")	The pure binary data option is not supported by the PostScript driver.	Open the Properties tab of the PostScript printer driver, click on PostScript , and click on the Advanced button. The pure binary data option is not supported. Choose another.
The printer name does not appear in the Chooser (Macintosh only)	The LocalTalk connection is not secure.	Make sure that the printer is powered on. Check that the LocalTalk cable is completely plugged into the printer and your Macintosh.
The optional Tray 2 is not selected in the driver.	The printer driver has not been configured to recognize the optional tray.	Open the PS driver Properties and set 'Paper Tray 2' item of Device option to <i>Installed</i> .

Obtaining Service

If you're unable to solve your printer problems, you may want to call the Xerox Helpline for service. Before you call, however, check these things:

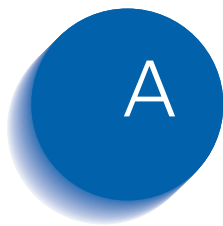
- Is the power cord plugged into the printer?
- Is the power cord plugged directly into a wall outlet?
- Is your printer connected properly to your computer?
- Are all other devices attached to your printer plugged in and turned on?
- Is the wall outlet turned off by any switches?
- Has a power outage occurred in your area?
- Is a laser print cartridge installed in the printer?
- Is the cover closed completely?

Once you've checked all these things, turn your printer off and back on again. If your printer is still not operating properly, call for service.



If the READY light is on, print out a configuration sheet by pressing and holding down the control panel button for about four seconds until all indicators blink briefly, then let go of the button. See the section "Control Panel Button" (page 3-21).

The configuration sheet lists your printer model, any options you have installed, and your user default settings. The service representative will probably ask for this information.

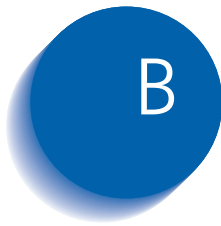


Printer Specifications

Item	Specification and Description
Engine	MLE-6100
Print Speed	12PPM (A4 Size, 5% Character Pattern)
Resolution	True 600 x 600 dpi, 1200 dpi class RET
Source of Light	Laser Diode (LSU:Laser Scanner Unit)
Print Method	Non-impact Electrophotography
Feed Method	Cassette & Manual, Option Feeder
Paper Handling (output)	Face Down: 250 sheets, Face Up: 10 sheets
Feed Capacity	Tray 1: 250 sheets of paper (75g/m ²) MSF: 100 sheets of paper (75g/m ²), 10 envelopes Option Tray 2: 250 sheets of paper
Warm-up time	45 seconds or less (23°C, 50%)
First Print Time	14 seconds or less (Fast Mode)
Power Rating	AC100~120V/ 220~240V(±15%), 50/60Hz (±3%)
Power Consumption	Max: 650W, During Printing: 210WH (average)
Power Saving Consumption	During Sleep: Max 28 W Less than 30W during 1 hour when it turned on
Certification & Compliance	C-UL, TUV, FCC, CDRH, CE, CB
Acoustic Noise	Stand by: Less than 36dB, Operating: Less than 49dB
Toner Supply	Laser Print Cartridge
Expected Life Span	150,000 sheets
Operating Environment	Temperature: 10~30°C, Humidity: 20~80%RH
Storage Environment	Temperature: 0~35°C, Humidity: 10~90%RH
Weight	Net: Max 11Kg, Gross: 12Kg
External Dimensions	360 (W) x 368 (D) x 220 (H)mm

Item	Specification and Description
Print Cartridge	Life Span: 5,000 pages, 5% Pattern Developing: Non-magnetic Contact Developing Charging: Conductive Roller Charging Density Adjustment: 3 step (Light, Medium, Dark) Toner Supply Method: Exchanging the Developer Toner Checking Sensor: None Transfer System: Conductive Roller Transfer Fusing System: Temperature & Pressure Ozone Emission: Less than 0.1 PPM
Emulation	PCL5e, PCL 6 (compatible with HP LaserJet 5P)
Font	1 bitmap 45 scalable (35 intelligent, 10 truetype)
CPU	Motorola Power PC 603e (clock speed 100MHz)
RAM Memory	Standard 4M byte (16M bit x 2) Option SIMM Module ; 4, 8, 16, 32M byte
ROM	4M byte (8M bit x 2: Program) Flash Memory
EEPROM	512 bytes
Interface	Bidirectional Parallel Standard - IEEE 1284 COMPATIBLE MODE - IEEE 1284 NIBBLE MODE - IEEE 1284 BYTE MODE - IEEE 1284 ECP WITHOUT RLE - IEEE 1284 ECP WITH RLE USB Interface Standard - USB 1.0 compliant - 12Mbps 1 port Serial/Local Interface Optional Serial (RS-232C) - 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 - XON/XOFF, DTR/DST Protocol - Robust XON for XON/XOFF LOCALTALK - Macintosh Host Interface 230.4KBPS, SDLC, FMO Coding, RS-232C
Interface Switching	Automatic (Serial & Parallel)
Interface Time Out	5 min (max.)





Environmental and Safety Considerations

<i>Introduction</i>	<i>B-2</i>
<i>Laser Safety</i>	<i>B-3</i>
<i>Ozone Safety</i>	<i>B-6</i>
<i>Electrical Safety</i>	<i>B-7</i>
<i>Radio Frequency Emissions</i>	<i>B-10</i>
<i>Operational Safety</i>	<i>B-14</i>

Introduction

The Xerox DocuPrint P14 and its supplies are designed and tested to meet strict safety requirements. These include safety agency examination and approval, and compliance to established environmental standards. Please read the following instructions carefully before operating the printer and refer to them as needed to ensure the continued safe operation of your Xerox DocuPrint P14. The safety testing and performance of this product have been verified using Xerox materials only.

Follow all warnings and instructions marked on or supplied with the product.

Laser Safety

The Xerox DocuPrint P14 complies with laser product performance standards set by governmental, national and international agencies as a Class 1 Laser Product. It does not emit hazardous radiation, as the beam is totally enclosed during all phases of customer operation and maintenance.

The use of controls, adjustments, or procedure other than those specified in the documentation might result in hazardous exposure to laser light.

The laser beam inside the printer is completely confined within the protective housings and external covers. The radiation emitted cannot escape from the machine during any phase of user operation.

The Xerox DocuPrint P14 contains laser danger labels. These labels are intended for use by Xerox Service Representatives, and are placed on or near panels or shields that require special tools for removal. Do not remove any of these panels. There are no operator serviceable areas inside these covers.

Laser Safety for the United States and Canada

The Xerox DocuPrint P14 complies with safety standards, and is certified as a Class 1 Laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. The printer does not emit hazardous laser radiation.



The use of controls, adjustments, or procedures other than those specified in the documentation might result in hazardous exposure to laser light.

Since radiation emitted inside the printer is completely confined within the protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation.

The Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration implemented regulations for laser products of August 1, 1976. These regulations apply to laser products marketed in the United States. The label on the machine indicates compliance with the CDRH regulations and must be attached to laser products marketed in the United States.

The Xerox DocuPrint P14 contains laser danger labels. These labels are intended for use by Xerox Service Representatives, and are placed on or near panels or shields that require special tools for removal. Do not remove any of these panels or shields. There are no operator serviceable areas inside these covers.

Laser Safety for Finland and Sweden

Luokitus on on tehty standardin EN 60825 mukaisesti
Klassningen är gjord i enlighet med standarden EN 60825.

LUOKAN 1 LASERLAITE

KLASS 1 LASER APPARAT

VAROITUS!

Laitteen käyttäminen muulla kuin tässä käyttöohjessa
mainitulla tavalla saattaa altistaa käyttäjän
turvallisuusluokan 1 ylittävälle näkymättömälle
lasersäteilylle.

VARNING!

Om Apparaten används på annat sätt än i denna
bruksanvisning specificerats, kan användaren utsättas för
osynlig laserstrålning, som överskrider gränsen för
laserklass 1.

Laser Statement (Laserturvallisuus)

Never operate and service the printer with the protective
cover removed from laser/scanner assembly. The
reflected beam, although invisible, can damage your eyes.

Class 1 laser product

Luokan 1 laserlaite

Klass 1 laser apparat

Allonpituus 770-795 nm

Teho 0.40mw +/-0.04 mw

Ozone Safety

During normal operation, the Xerox DocuPrint P14 produces ozone. The ozone produced does not present a hazard to the operator. However, it is advisable that the machine be operated in a well ventilated area.

If you need additional information about ozone, please request the Xerox publication Ozone (part number 600E74140) by calling 1-800-828-6571 in the United States and Canada.

Electrical Safety

Always follow a code of safe habits starting with the following:

- Use only the power cord supplied with your Xerox DocuPrint P14.
- Do not use a ground adapter plug to connect the Xerox DocuPrint P14 to a power source receptacle that lacks a ground connection terminal.
- Plug the power cable directly into a properly grounded electrical outlet. Do not use an extension cord. If you are not sure whether or not an outlet is properly grounded, consult an electrician.
- This product is equipped with a 3-wire grounding type plug (e.g., a plug having a third grounding pin). This plug will fit only into a grounding-type power outlet. This is a safety feature. To avoid risk of electrical shock, contact your electrician to replace the receptacle if you are unable to insert the plug into the outlet. Never use a grounding adapter plug to connect the printer to a power source receptacle that lacks a ground connection terminal.
- This printer should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your local power company.
- Your machine is equipped with an energy saving device to conserve power when the machine is not in use. The machine may be left on continuously.

- Do not place the Xerox DocuPrint P14 where people might step or trip on the power cable.
- Do not place objects on the power cable.
- Do not place the printer on an unstable cart, stand or table. The printer may fall causing personal injury or serious damage to the printer.
- Do not override or disable electrical or mechanical interlocks.
- Do not obstruct ventilation openings. These openings are provided to prevent overheating of the machine.
- Do not push objects into slots and openings on the Xerox DocuPrint P14. Contacting a voltage point or shorting out a part might result in electrical shock or fire.
- Never remove covers or guards that require a tool for removal, unless directed to do so in a Xerox approved maintenance kit.
- Never defeat interlock switch. Machines are designed to restrict operator access to unsafe areas. Covers, guards and interlock switches are provided to ensure that the machine will not operate with covers opened.
- Unplug the printer from the wall outlet before cleaning. Always use materials specifically designated for this printer. Use of other materials may result in poor performance and could create a hazardous situation.

- Do not use aerosol cleaners. Follow the instructions in this User Guide for proper cleaning methods.
- Never use supplies or cleaning materials for purposes other than what they were intended. Keep all supplies and materials out of reach of children.
- Avoid exposing the drum cartridge to light for extended periods of time.
- Do not touch the photoreceptor. Scratches or smudges that appear on the photoreceptor will result in poor print quality and may shorten the service life.
- Do not put your hands into the fuser area, located just inside the exit tray area, as you may be burned.
- Do not use this printer near water, wet locations, or outdoors.
- If any of the following conditions occur, turn off the Xerox DocuPrint P14 power immediately. Disconnect the power cable from the electrical outlet. Contact an authorized Xerox Service Representative to correct the problem:
 - The Xerox DocuPrint P14 emits unusual odors, or makes unusual noises.
 - The power cord is damaged or frayed.
 - Liquid is spilled into the Xerox DocuPrint P14.
 - Any part of the Xerox DocuPrint P14 is damaged.
 - The Xerox DocuPrint P14 is exposed to water.

Radio Frequency Emissions

United States and Canada

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not specifically approved by the Xerox Corporation may void the authority granted by the FCC to operate this equipment.

Shielded cables must be used with this equipment to maintain compliance with FCC regulations.



In order to allow this equipment to operate in proximity to Industrial, Scientific and Medical (ISM) equipment, the external radiation from ISM equipment may have to be limited or special mitigation measures taken.

Europe

The CE marking applied to this product symbolises Xerox Limited Declaration of Conformity with the following applicable Directives of the European Union as of the dates indicated.

January 1, 1995: Council Directive 73/23/EEC amended by Council Directive 93/68/EEC, approximation of the laws of the member states related to low voltage equipment.

January 1, 1996: Council Directive 89/336/EEC, approximation of the laws of the member state related to electromagnetic compatibility.

This equipment has been tested and found to comply with the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

A full declaration, defining the relevant directives and referenced standards can be obtained from your Xerox Limited representative or by contacting:

Xerox Limited Product Safety,
Xerox Limited Technical Centre,
PO Box 17,
Bessemer Road,
Welwyn Garden City,
Herts AL7 1HE, England



This system is certified manufactured and tested in compliance with strict safety and radio frequency interference regulations. Any authorised alteration which includes the addition of new functions or the connection of external devices may impact this certification. Please contact your local Xerox Limited representative for a list of approval accessories.

In order to allow this equipment to operate in proximity to industrial, Scientific and medical (ISM) equipment, the external radiation from the ISM equipment may have to be limited or special mitigation measures taken.

Operational Safety

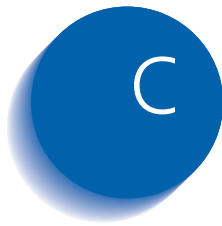
The Xerox DocuPrint P14 and its supplies were designed and tested to meet strict safety requirements. These include safety agency examination, approval, and compliance with established environmental standards.

To ensure the continued safe operation of your Xerox DocuPrint P14, follow these safety guidelines at all times.

- Improper connection of the grounding conductor can result in electrical shock.
- Follow warnings and instructions marked on or supplied with the equipment.
- Locate the Xerox DocuPrint P14 on a solid support surface (not on plush carpet) that has adequate strength to support the weight of the unit.
- Locate the Xerox DocuPrint P14 in an area that has adequate ventilation and room for servicing.
- Do not locate the Xerox DocuPrint P14 near a radiator or any other heat source.
- Do not obstruct ventilation openings. They are provided to prevent overheating.
- Do not place or push objects of any kind into the ventilation openings.

- Do not attempt any maintenance function that is not specifically described in the Xerox DocuPrint P14 documentation.
- Use materials and supplies specifically designed for your Xerox DocuPrint P14. The use of unsuitable materials may result in poor performance and possibly a hazardous situation.
- Do not remove the covers or guards that are fastened with screws.
- Do not operate the Xerox DocuPrint P14 if you notice unusual noises or odors. Disconnect the power cord from the power source receptacle, and contact your Xerox Service Representative immediately.





Certifications

<i>Quality Standards</i>	<i>C-2</i>
<i>Energy Star</i>	<i>C-3</i>

Quality Standards

The Xerox DocuPrint P8e is certified to EN60950. The equipment is manufactured under a BS5750 Quality system accepted by the British Standards Institution.

The Xerox DocuPrint P8e is also certified in compliance with applicable standards by various national bodies.

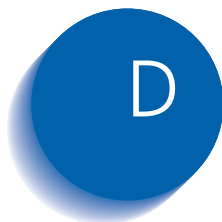
Energy Star

This printer contains advanced energy conservation technology which reduces power consumption when it is not in active use.

When the printer does not receive data for an extended period of time, power consumption is automatically lowered.

The energy star emblem does not represent EPA endorsement of any product or service.





Printer Options

<i>Introduction</i>	<i>D-2</i>
<i>Precautions</i>	<i>D-3</i>
<i>Memory and PostScript SIMMs</i>	<i>D-4</i>
<i>Serial/LocalTalk Card</i>	<i>D-7</i>
<i>Paper Tray 2</i>	<i>D-10</i>

Introduction

Your DocuPrint P14 is a full-featured laser printer that has been optimized to meet most of your printing needs. Recognizing that each user may have different requirements, however, Xerox makes several options available to enhance the printer's capabilities:

- Additional memory, which enables your printer to process more complex print jobs.
- PostScript, which enables your printer to use the PostScript printing language for text and graphics.
- Serial and LocalTalk ports, which enable your printer to interface with a Macintosh computer.
- Paper Tray 2, which extends your printer's paper handling capacity. 

This appendix provides detailed installation instructions for each of these options. For ordering information, refer to the *Supplies/Options Guide* that came with your printer.

Precautions



DISCONNECT THE POWER CORD:
Never remove the printer control board while the printer is plugged in.

To avoid the possibility of electrical shock, always disconnect the power cord when installing or removing ANY internal or external printer option.



DISCHARGE STATIC ELECTRICITY:
The control board and internal printer options (SIMMs, PostScript, Serial/LocalTalk interface) are sensitive to static electricity. Before installing or removing an internal option, discharge static electricity from your body by touching something metal, such as the metal back plate on any device plugged into a grounded power source. If you walk around before finishing the installation, again discharge any static electricity.

Memory and PostScript SIMMs

Additional printer memory and the PostScript option are provided on SIMMs (single inline memory modules). This procedure is applicable to either option.

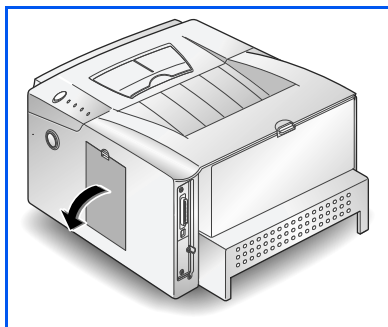


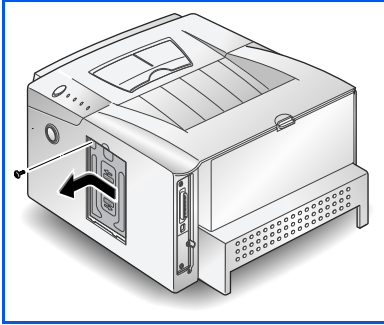
Since PostScript requires 12 MB of printer memory and the DocuPrint P14 comes with 4 MB standard, installation of the PostScript SIMM requires installation of a memory SIMM as well.

Be sure to consult the Supplies/Options Guide that came with your printer for supported memory SIMM specifications.

Review the precautions on page D-3 and then follow this procedure to install SIMMs in your computer.

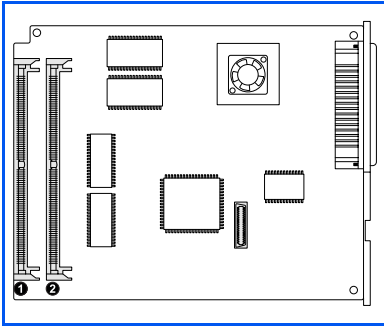
- 1** Turn the printer power off and disconnect the power cord and printer cable.
- 2** Remove the cover located at the right side of the printer.



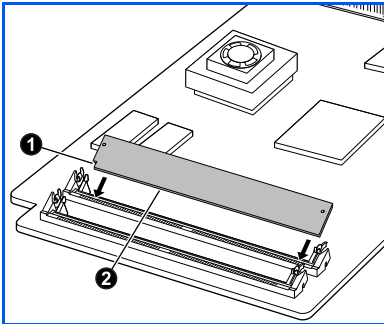


3 Remove the retaining screw from the metal shield. Slide the metal shield in the direction of the arrow marked on the cover, then remove the shield.

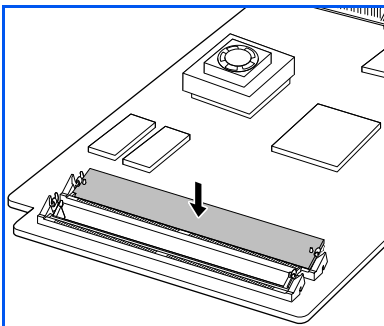
4 Unpack the SIMM. Avoid touching the connection points along its edge.



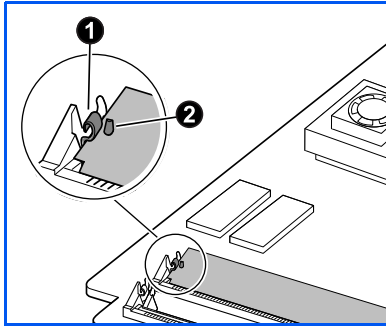
5 Locate the PostScript SIMM slot **1** and the memory SIMM slot **2** on the control board. They are not interchangeable. ■



6 Hold the SIMM so that the notch **1** and connection points **2** are aligned with the slot as shown.



7 Insert the SIMM all the way into the connector at a 30° angle, and rotate it down until it snaps into place.



8 Make sure both metal clips on the connector are fastened and the two pins on the connector are pushed through the holes on the SIMM.

9 If you do not have any other options to install, replace the metal shield and the cover.



Whenever you change the amount of printer memory, you have to set the Printer Memory item on the printer driver's Printer Properties dialog box to the new value. Refer to the section "Configuring the PCL Driver" (page 3-3).



For PostScript driver installation and usage information, refer to the sections "Installing the PostScript Driver" (page 1-27) and "Configuring the PostScript Driver" (page 3-7).



To print documents from a Macintosh that does not have a USB port, you must also install the Serial/LocalTalk option. See the section "Serial/LocalTalk Card" (page D-7).

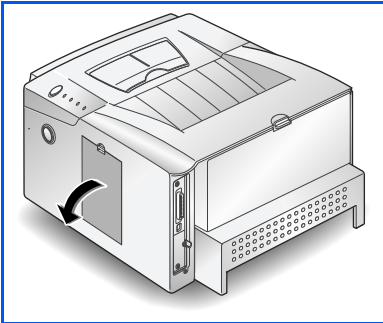


Serial/LocalTalk Card

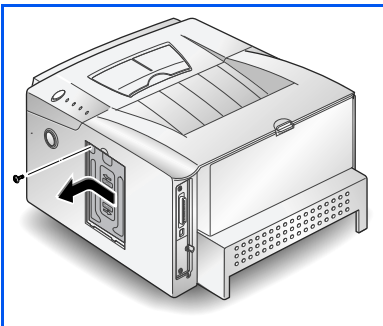
The Serial/LocalTalk option lets you connect your DocuPrint P14 to a PC or Macintosh serial interface, or to a Macintosh LocalTalk network.

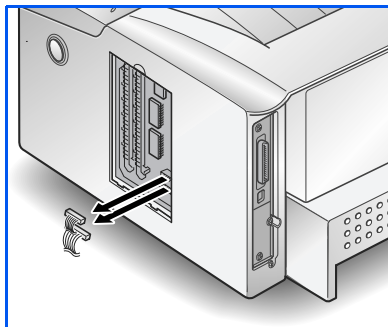
Review the precautions on page D-3 and then follow this procedure to install the Serial/LocalTalk option in your computer.

- 1** Turn off the printer and disconnect the power cord and printer cable.
- 2** Remove the cover located at the right side of the printer.

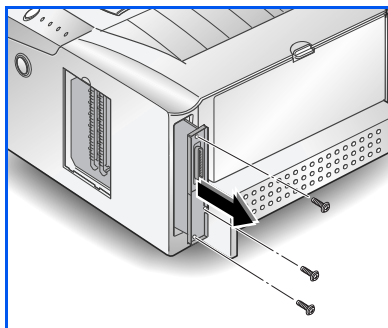


- 3** Remove the retaining screw from the metal shield. Slide the metal shield in the direction of the arrow marked on the cover, then remove the shield.



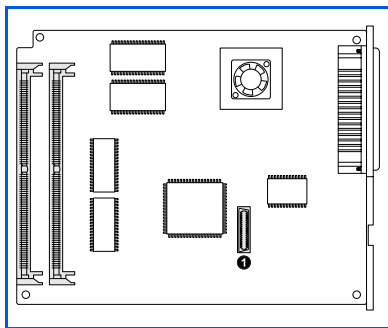


- 4** Unplug the two connectors from the control board.



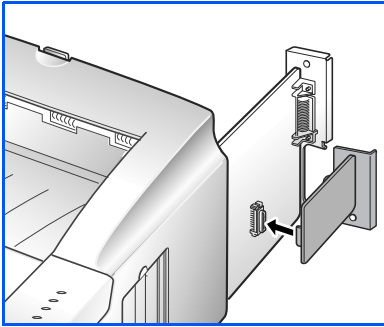
- 5** Remove the three screws securing the board and pull the board out of the printer.

- 6** Unpack the Serial/LocalTalk card. Avoid touching its contact pins.

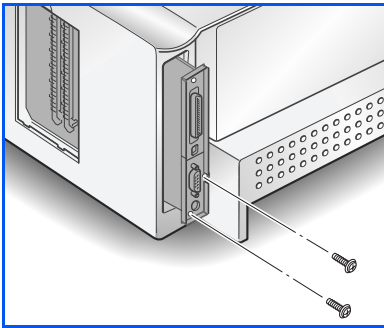


- 7** Locate the Serial/LocalTalk connector **❶** on the control board.

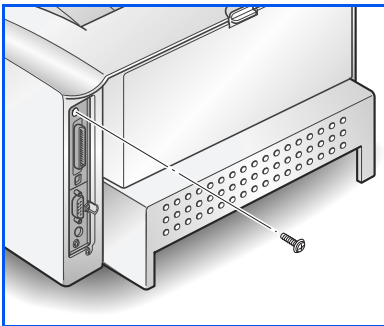
- 8** Align the connector on the Serial/LocalTalk card with the connector on the control board.



- 9** Push the card firmly into the connector until it is completely inserted in place. The two connectors should fit snugly together.



- 10** Insert the control board in place, and tighten the two screws.



- 11** Tighten the third screw as shown.

- 12** Reconnect the two connectors that were removed in Step 4, replace the metal shield, then close the cover.



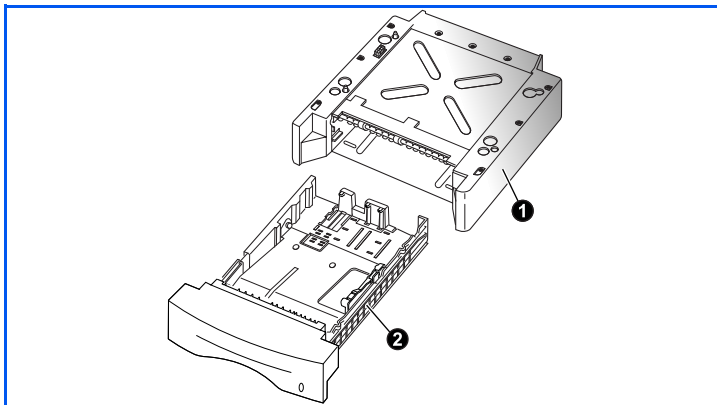
To print documents from a Macintosh, you must also install the PostScript option and additional memory. See the section “Memory and PostScript SIMMs” (page D-4).

Paper Tray 2

You can increase the paper handling capacity of your DocuPrint P14 by installing the optional Tray 2, which consists of two components, as shown in Figure 5.1.

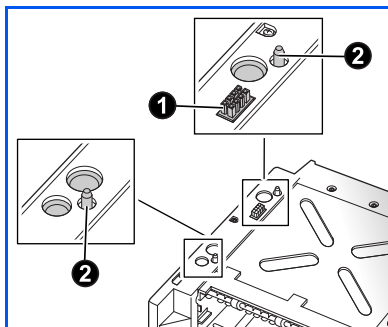
Figure 5.1 Tray 2 Components

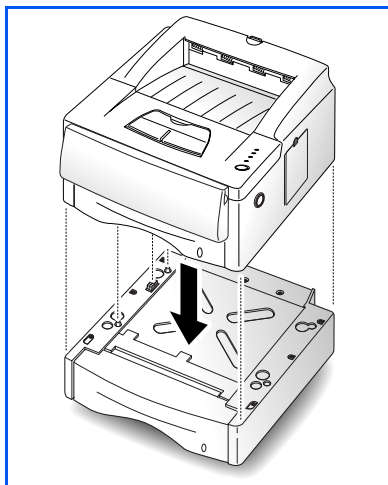
- ❶ Support unit
- ❷ Paper tray



Review the precautions on page D-3 and then follow this procedure to install Tray 2 in your computer.

- 1** Turn off the printer and disconnect the power cord and interface cable.
- 2** Observe the location of the support unit's connector ❶ and tabs ❷.





3 Align the printer with the support unit and lower it into place on the tabs and connector.

4 Load paper in the tray. See “Loading Print Media” (page 2-6). ■

5 Reconnect the printer cable and power cord, then turn on the printer.



To verify proper installation, print a configuration sheet. See “Control Panel Button” (page 3-21). ■



To print from Tray 2, configure the printer driver from your application prior to printing. See “Configuring the PCL Driver” (page 3-3). ■



