

Optra Color 1200
Setup Guide

First Edition (March 1998)

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Preface

About this book

This *Setup Guide* contains all the information you need to set up your new Optra Color 1200 printer. It complements the wordless setup poster, which provides a quick overview of the steps necessary for basic printer setup. This manual, by contrast, provides detailed instructions for installing the four colored print units, installing options, loading paper in the standard or optional trays, loading media in the multipurpose feeder, and launching the CD to install printer drivers and utilities.

Note: Refer to the safety information and notices in the back of the *User's Guide* before setting up your printer.

The easy step-by-step format of the manual lets you concentrate on printer setup without burdening you with details about printer features or functions. When you have completed setup and find you need more information about your printer, refer to the *User's Guide*. It provides information about printer settings, color functions, media specifications, printer supplies, memory requirements, and solving printer problems.

Conventions

It may help you to recognize the conventions we have used in this book:

- Operator panel buttons are printed in a boldface type:

Press **Go** after changing a menu setting.

- Messages that appear on the operator panel display are also printed in a boldface type:
 - If **Black Toner Empty** appears on the operator panel display, you must install a new black toner cartridge before you can resume printing.
- Notes, warnings, and cautions appear in the left column for easy reference.

Note: A note provides auxiliary information you may find useful.

Warning! A warning identifies something that might damage your printer hardware or software.

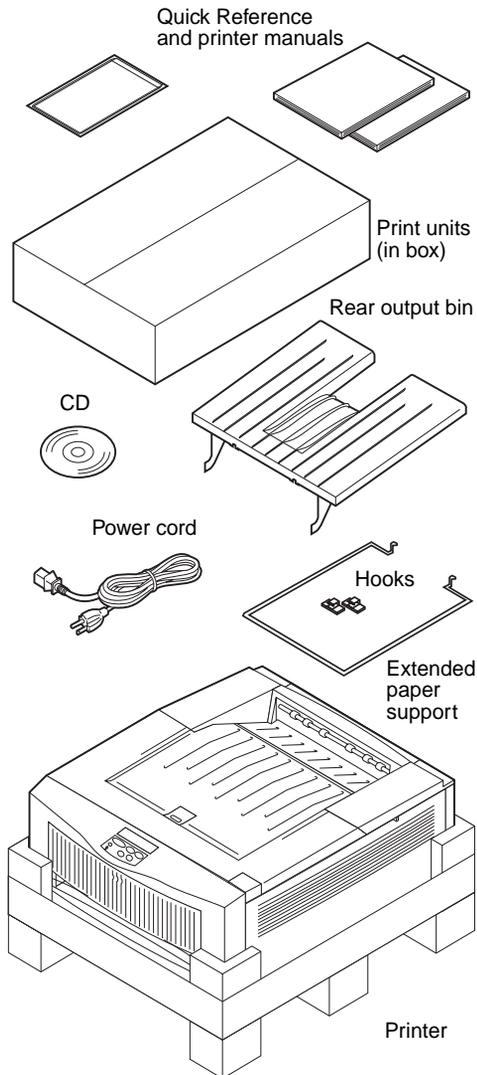
Caution! A caution identifies something that might cause you harm.

- Optional steps you may want to skip are identified in a colored arrow at the bottom of selected pages:



Colored arrows, like this one, identify optional steps you may want to skip.

Step 1: Unpack the printer

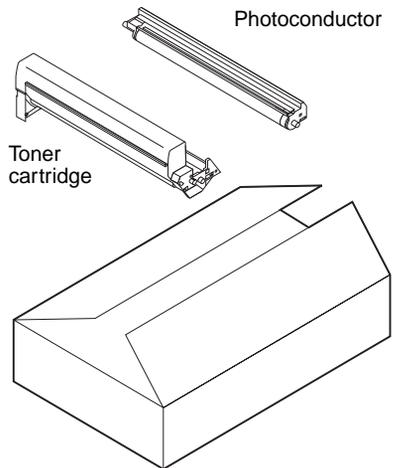


1 Make sure you have all of the items listed below.

If any items are missing or damaged, refer to the registration card for the designated Lexmark phone number for your country.

Save the carton and packing materials in case you need to repack the printer.

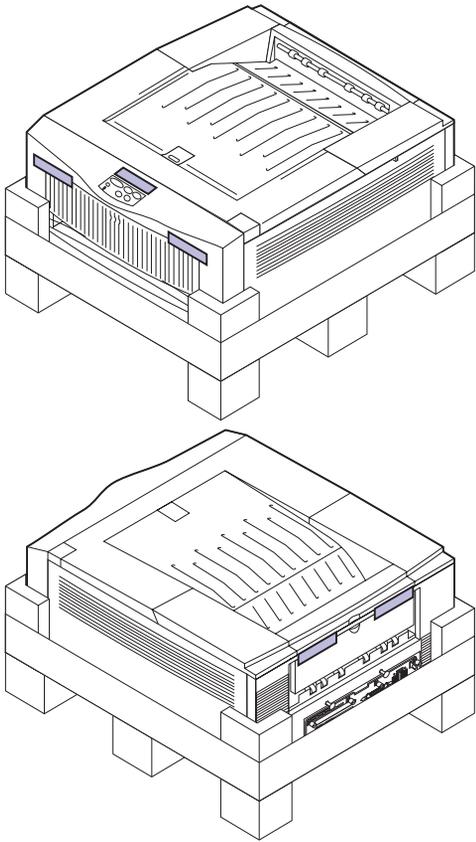
- *Setup Guide, User's Guide, and Quick Reference*
- Box containing print units
- Rear output bin
- CD
- Power cord
- Extended paper support and hooks
- Printer



The print unit box includes:

- 4 color-coded toner cartridges
- 4 color-coded photoconductors

- 2** Remove any visible tape or other packing material from the printer.



If you purchased an optional drawer, continue with Step 2: “Set up optional drawers” on page 4. Otherwise, skip to Step 3: “Position the printer” on page 13.

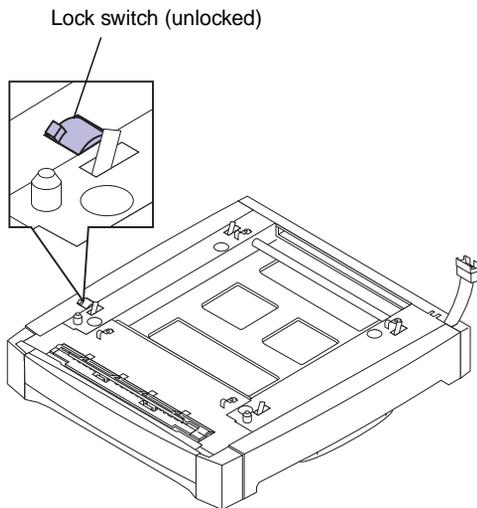
Step 2: Set up optional drawers

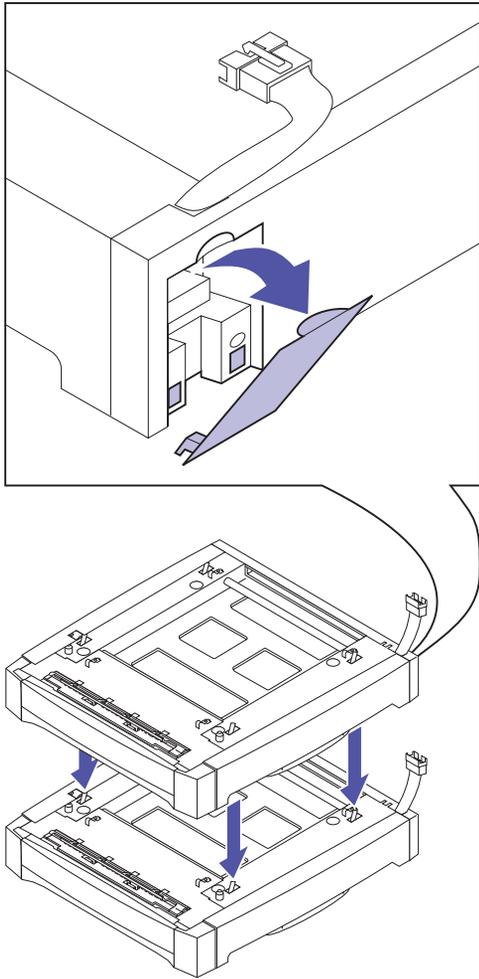
Your printer supports up to two optional 250-sheet drawers. If you are installing only one optional drawer, go to “Connecting the printer to the drawer” on page 8. If you are installing two drawers, complete the steps in the following section.

Connecting two drawers

To attach one optional drawer to another:

- 1** Remove the drawers from the packing materials.
- 2** Place one drawer on a level surface.
- 3** Make sure the lock switch on the left side of the drawer is *unlocked*.

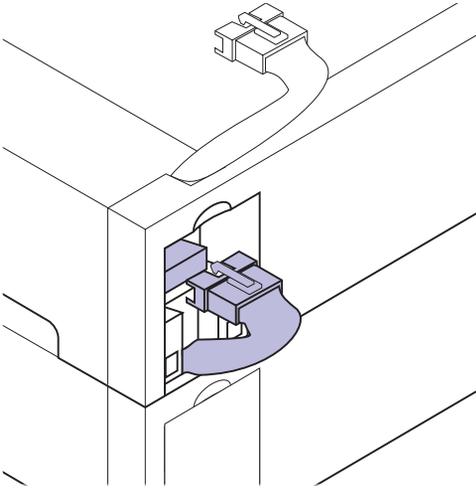




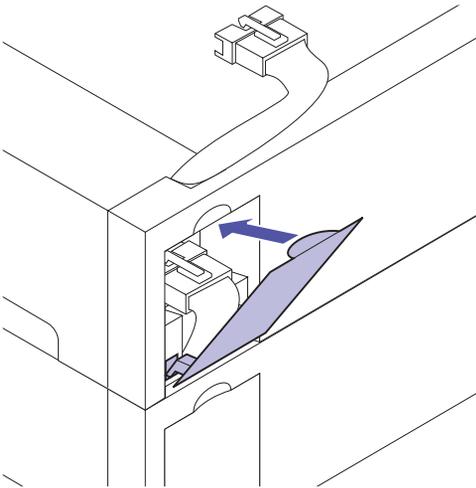
4 Remove the connector cover from the back of the other drawer.

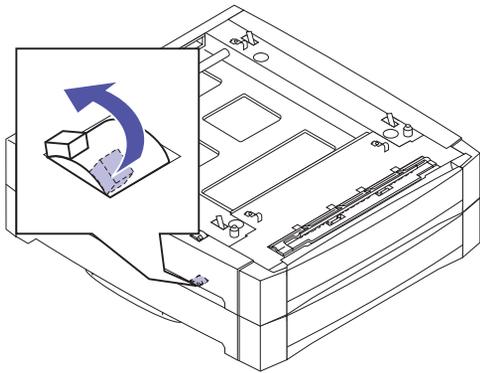
5 Set this drawer directly on top of the first, as shown.

- 6** Plug the option cable from the lower drawer into the connector on the upper drawer.



- 7** Reattach the connector cover on the upper drawer.

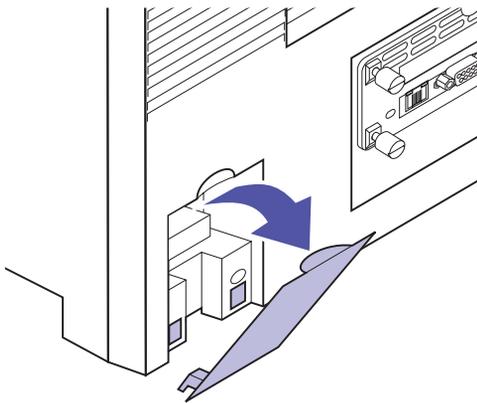
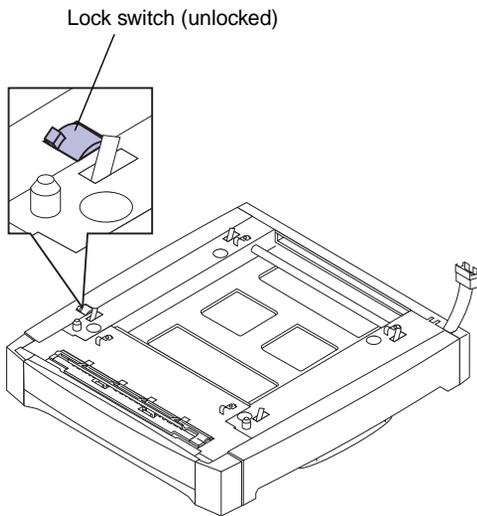




- 8** Locate the lock switch on the left side of the lower drawer.
- 9** Push the lock switch toward the back of the drawer to lock the options together.
- 10** Continue with “Connecting the printer to the drawer” on page 8.

Connecting the printer to the drawer

Complete the following steps to attach the printer to one or more optional drawers:



- 1** Remove the drawer from the packing materials.
- 2** Place the drawer (or the two drawers you already connected) in the location you have chosen for your printer.

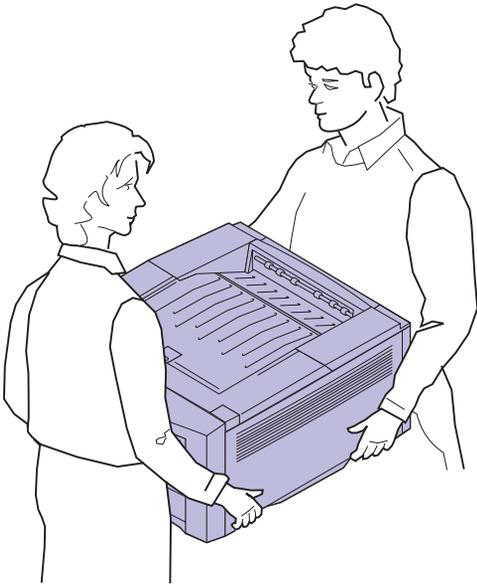
See page 14 for more information about the appropriate environment for the printer.

- 3** Make sure the lock switch on the left side of the drawer is *unlocked*.
- 4** Remove the connector cover from the back of the printer.
- 5** If you're installing the optional drawer sometime after initial printer setup, turn the printer off and disconnect the printer cables and the power cord.

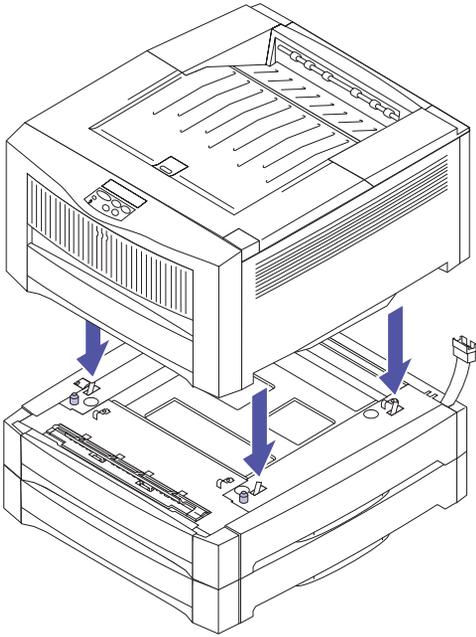
Caution! This printer weighs 43 kg (95 lb) and requires at least two people to lift.

6 Have someone help you lift the printer.

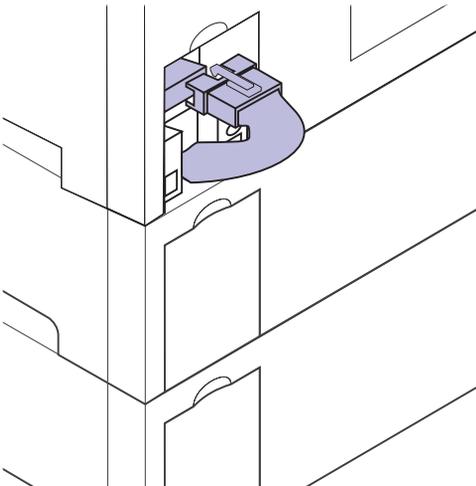
Use the handholds under the printer.

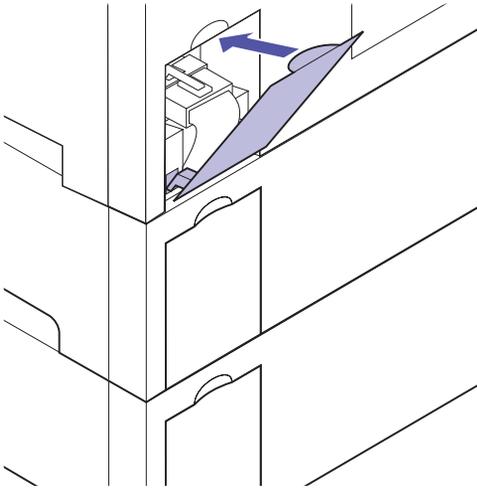


- 7** Carefully place the printer on top of the drawer(s), as shown.

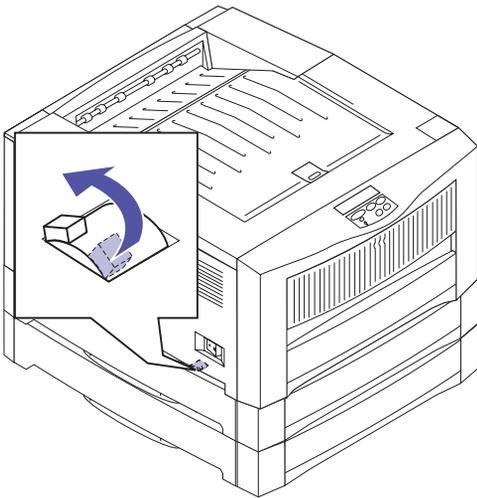


- 8** Plug the option cable from the drawer into the connector on the back of the printer.

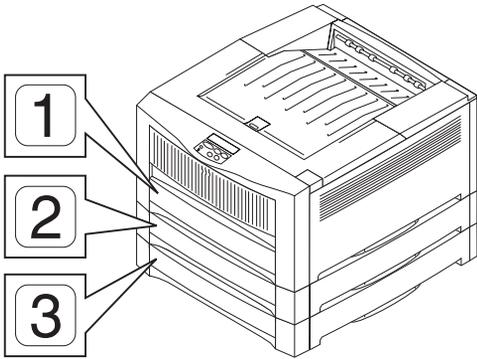




- 9** Reattach the connector cover on the back of the printer.



- 10** Locate the lock switch on the left side of the drawer.
- 11** Push the lock switch toward the back of the drawer to lock the drawer to the printer.



12 Attach the appropriate label to the front of each tray.

The standard tray is tray 1. The optional trays are tray 2 and tray 3, consecutively.

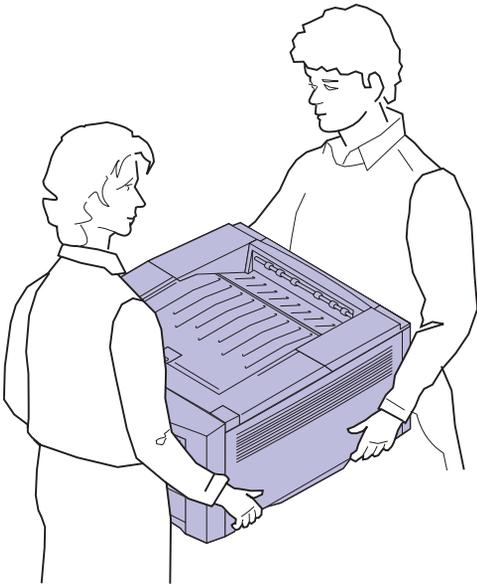
Instructions for loading paper in the trays begin on page 23.

Skip to Step 4: “Install print units” on page 15.

Step 3: Position the printer

Caution! This printer weighs 43 kg (95 lb) and requires at least two people to lift.

- 1** Have someone help you lift the printer.
Use the handholds under the printer.

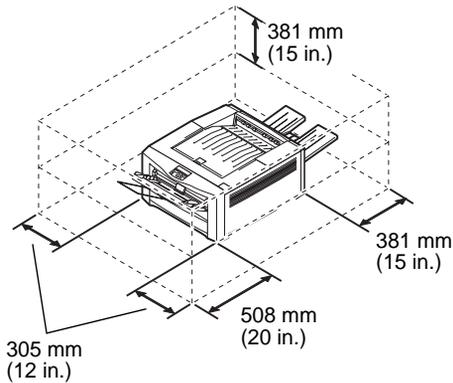


2 Place the printer on a flat, stable surface in a well-ventilated area.

Leave enough space in front of the printer to allow for easy paper loading. If you plan to install the rear output bin, leave room behind the printer as well.

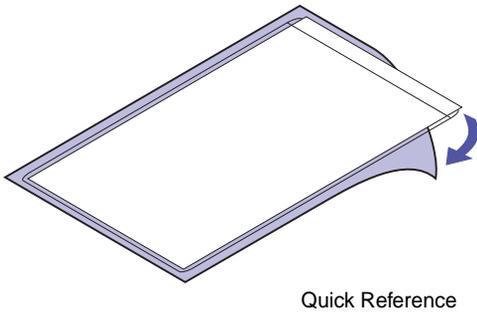
Do not place the printer:

- In direct sunlight
- Near heat sources or air conditioners
- In dusty or dirty environments



3 Find a convenient location for the Quick Reference:

- a** Locate a visible spot in the vicinity of the printer or on the printer itself for the Quick Reference.
- b** Remove the protective paper from the back of the plastic sleeve.
- c** Firmly attach the adhesive-backed sleeve to the designated area.



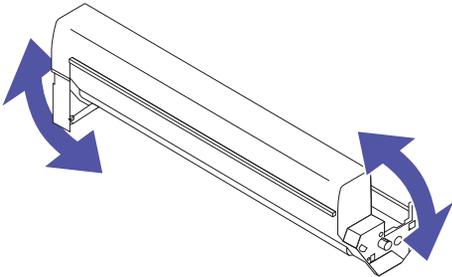
Step 4: Install print units

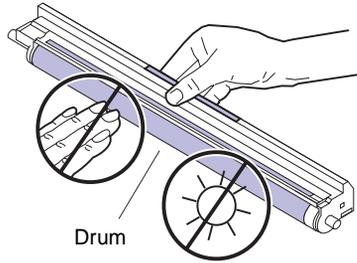
Assembling the print units

Your printer ships with four color-coded *toner cartridges* and four *photoconductors*. Together, the toner cartridge and photoconductor create a color-specific *print unit*.

Complete the following steps to install each of the photoconductors into the appropriate toner cartridge:

- 1** Open the box containing the toner cartridges and photoconductors.
- 2** Remove a toner cartridge from the packing material.
- 3** Gently shake the toner cartridge to distribute the toner evenly.
- 4** Place the toner cartridge on a flat surface.

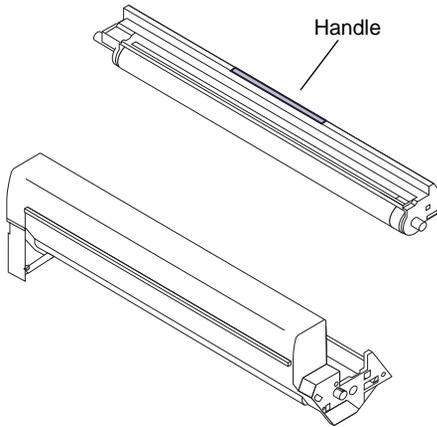




- 5 Remove the photoconductor with the same color label as the toner cartridge from the packing material.**

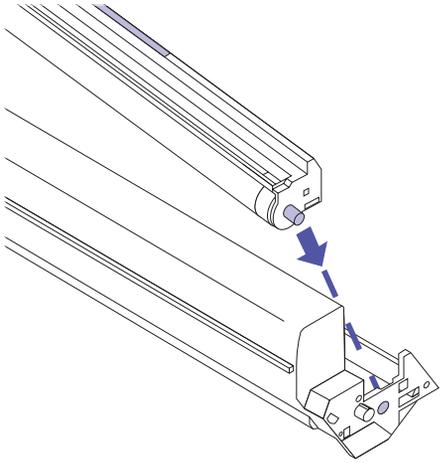
To avoid damaging the photoconductor, do not touch the glossy green surface of the drum.

Do not expose the photoconductor to light for more than 10 minutes. If you need more time to assemble and install the print units, cover the print units to protect them from direct light.

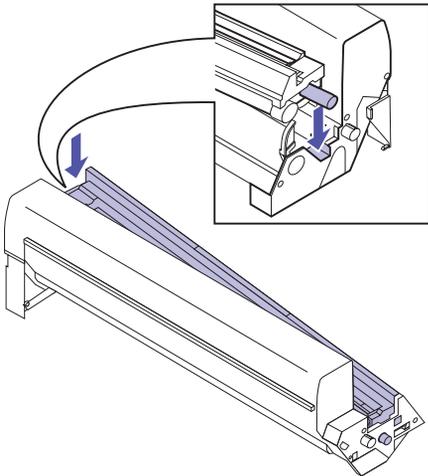


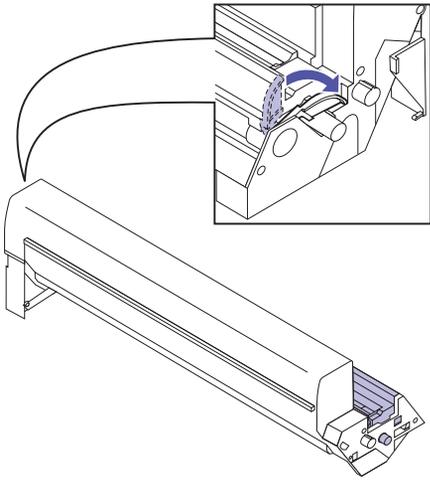
- 6 Hold the photoconductor by the color-coded handle and position it above the toner cartridge, as shown.**

- 7** Slide the metal post on the right side of the photoconductor into the hole in the toner cartridge.



- 8** Insert the post on the opposite end of the photoconductor into the slot on the left side of the toner cartridge.





9 Rotate the green clip on the left end of the toner cartridge, as shown, to lock the photoconductor in place.

If the clip does not lock easily, make sure the photoconductor is properly positioned, and then try again.

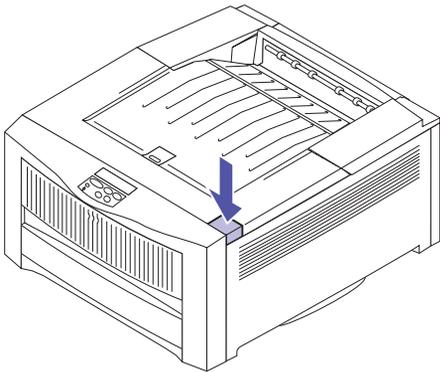
10 Repeat steps 1–9 for the remaining three print units.

Installing the print units

Now that you've assembled the print units, you must install them in the printer. Each color print unit has its appropriate color-coded position in the printer.

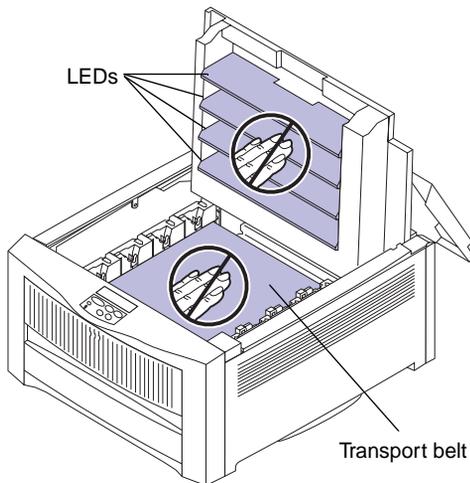
Complete the following steps to install each print unit. We recommend installing the magenta print unit first, followed by cyan, yellow, and black.

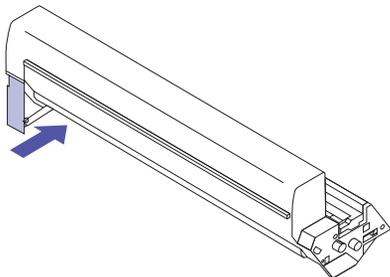
- 1 Press the release button on the printer's top cover.**



- 2 Raise the cover.**

Do not touch the LEDs inside the top cover or the transport belt in the bottom of the printer.



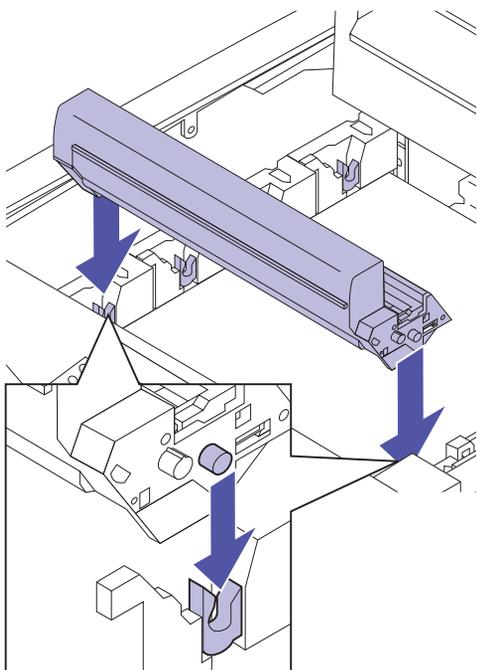


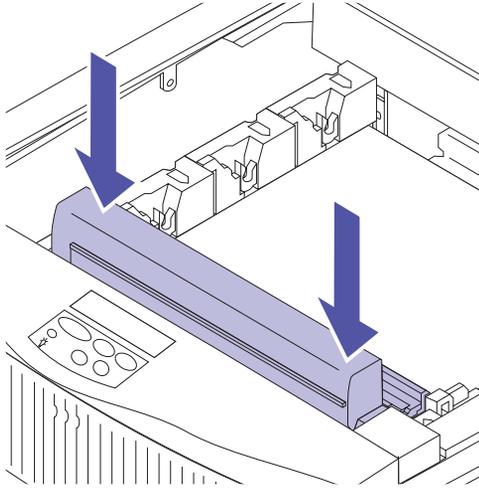
- 3** Pick up the print unit you are ready to install.
- 4** Press the large green tab on the print unit until it clicks in place.

This opens the protective cover over the photoconductor drum. If the tab accidentally releases as you install the print unit, press it again until it clicks in place. You cannot install the print unit if the tab is released.

Warning! Do not force the print unit into the printer, or you may damage the photoconductor. If the print unit does not slide easily into place, make sure the green tab is pressed in.

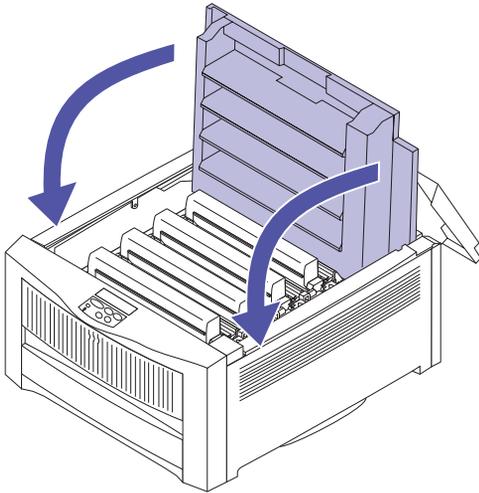
- 5** Slide the print unit into the appropriate color-coded position, as shown.





6 Press the print unit until it is completely seated.

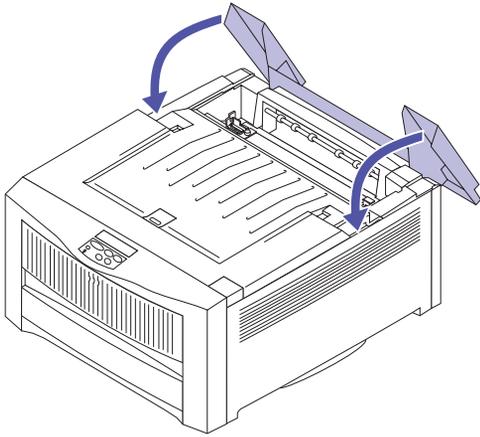
7 Repeat steps 3–6 to install the remaining print units.



8 After you have installed all four print units, gently close the top cover until it clicks in place.

If the cover does not close easily, make sure each print unit is installed correctly. Do not force the top cover closed.

9 Close the rear cover.



Step 5: Load paper

Loading the paper tray

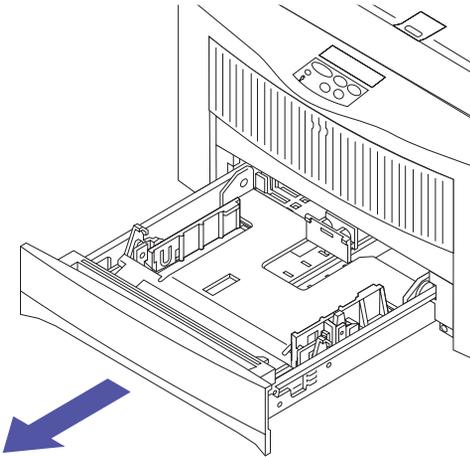
Note: If you load transparencies in tray 1, make sure you change the Paper Type setting for that tray. See page 61 for more information.

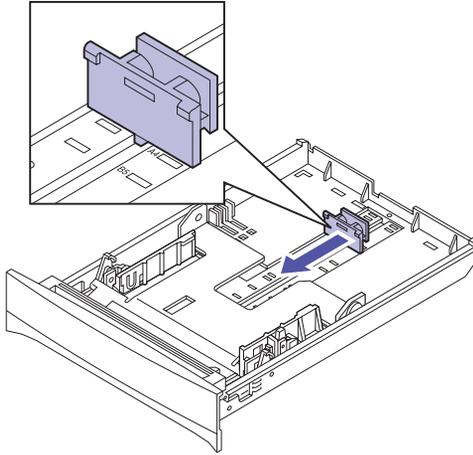
Your printer has one standard 250-sheet tray—tray 1—that holds A4, A5, B4, B5, A3, letter, legal, and 11x17 size paper. You can also load transparencies in tray 1. For details about the types of media your printer supports, refer to the *User's Guide*.

If you attached an optional drawer or drawers, the instructions are the same for loading paper in those trays. However, load *only* paper in tray 2 and tray 3.

To load the tray:

- 1** Pull the paper tray completely out of the printer and set it on a flat surface.

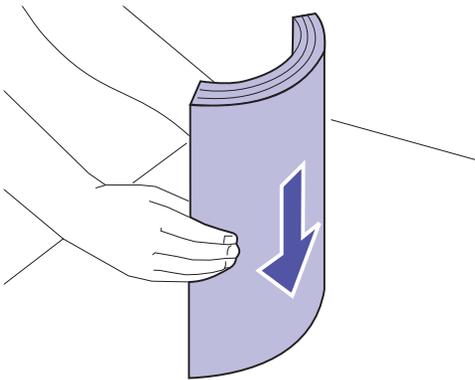




- 2 Squeeze the rear paper guide and slide it to the appropriate position for the size paper you are loading.**

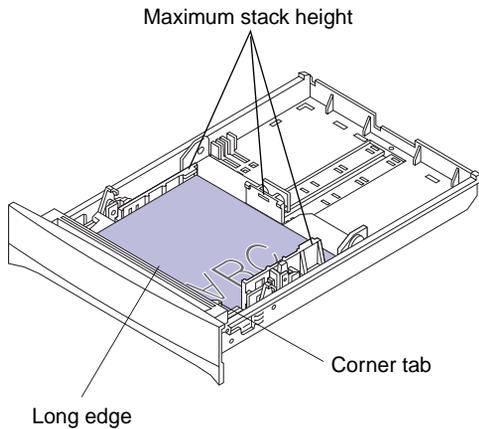
The position of the rear paper guide tells the printer the size of the paper in the tray. If the rear paper guide is in the wrong position, you may experience paper feeding problems or incorrect formatting of pages.

If you are loading A4 or letter size paper, the tray may already be set up for the appropriate paper size.

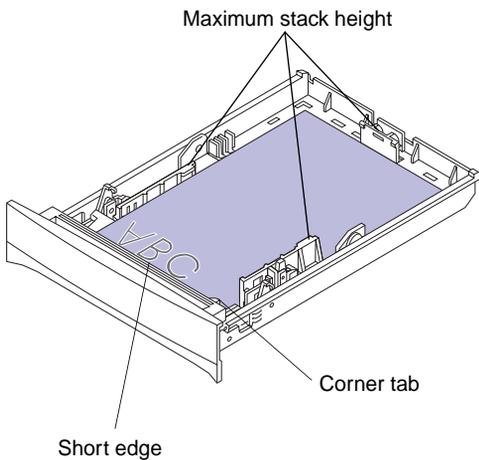


- 3 Before loading paper, flex the sheets back and forth to loosen them, then fan them. Straighten the edges on a level surface.**

A4, A5, B5, and letter size paper



B4, A3, legal, and 11x17 size paper



4 Load the paper with the recommended print side face down, as shown.

Do not exceed the maximum stack height indicated on the paper guides. Make sure the paper fits under the two corner tabs at the front of the tray.

The orientation of the paper in the tray depends on the size paper you're loading:

- For A4, A5, B5, and letter size paper, place the *long edge* of the paper at the front of the tray.

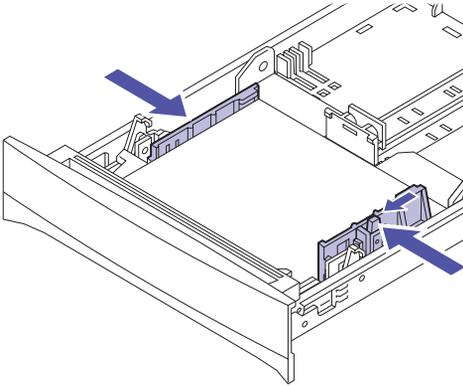
If you're loading preprinted letterhead, place the top of the page to the right.

- For B4, A3, legal, and 11x17 size paper, place the *short edge* of the paper at the front of the tray.

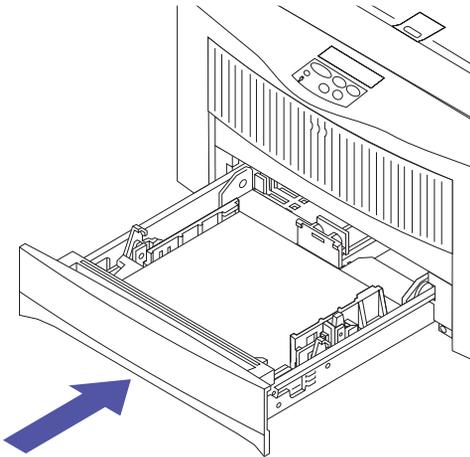
If you're loading preprinted letterhead, place the top of the page at the front of the tray.

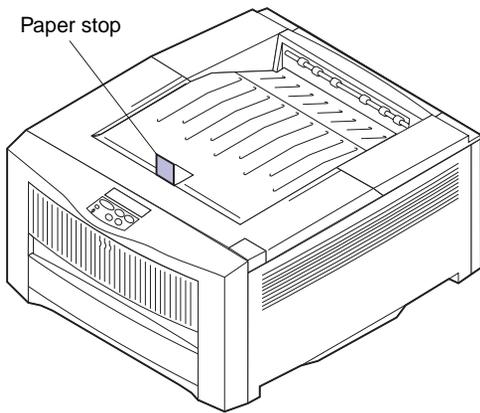
The printer recognizes *either* B4 and A3 size paper *or* legal and 11x17 size paper, depending on the paper conventions in your geographic region. If you need to change this printer setting, refer to the information on the Size Detection menu item in the *User's Guide*.

- 5** Squeeze the right paper guide and slide both width guides until they just touch the paper.



- 6** Hold the paper tray with both hands and firmly slide it all the way into the printer.





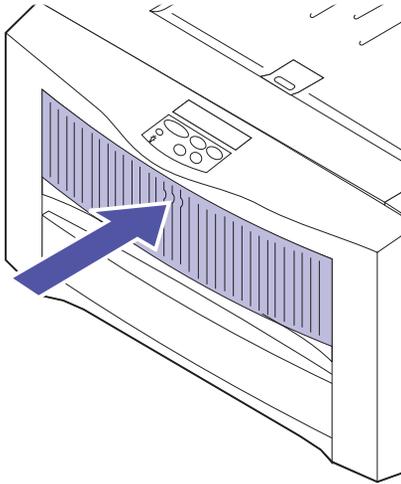
- 7 If you're printing on large paper, raise the paper stop in the top output bin to neatly stack the sheets as they exit the printer.

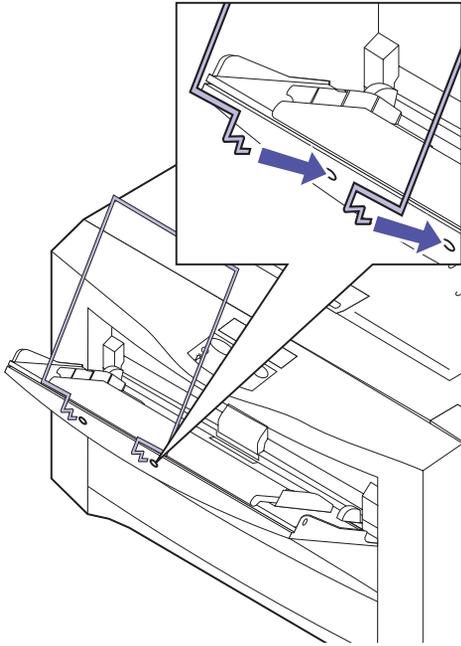
Loading the multipurpose feeder

You can load up to 100 sheets of paper, 30 transparencies, 30 sheets of labels, or 15 envelopes in the multipurpose feeder. You can also use the multipurpose feeder for manually feeding single sheets of media. Refer to the *User's Guide* for more details about printing transparencies and envelopes and general media support for the multipurpose feeder.

To load paper in the multipurpose feeder:

- 1** Firmly press the indentation on the front of the multipurpose feeder to release the feeder, and then lower it.

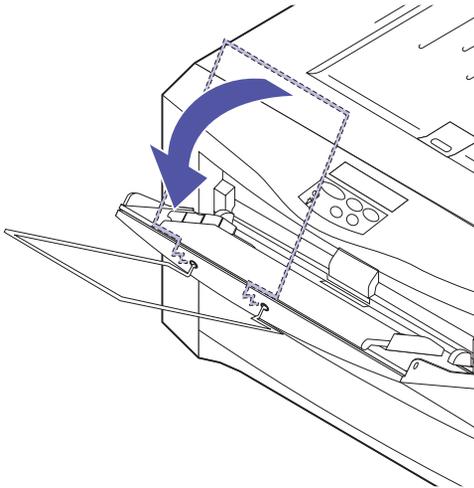




- 2** If you plan to print on longer paper (for example, A3 or 11x17), insert the extended paper support shipped with the printer.

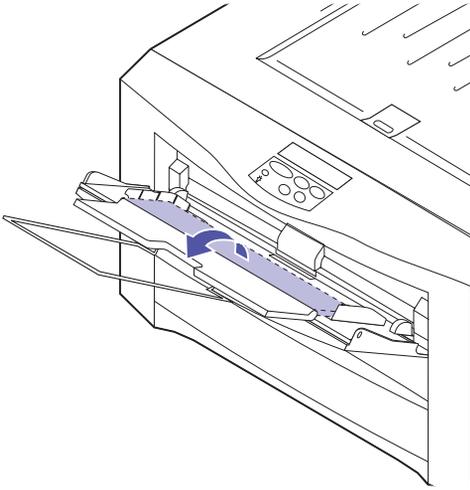
The extended paper support may not be necessary for smaller paper sizes. See page 35 for recommended storage of the extended paper support when not in use.

- a** Hold the metal support, as shown, with the bent tips pointing toward the printer.
- b** Insert the tips into the two holes at the front of the multipurpose feeder.

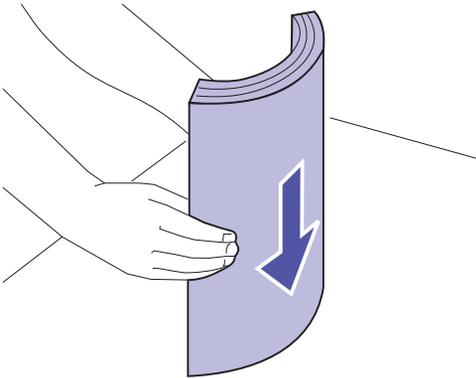


- c** Lower the support into place.

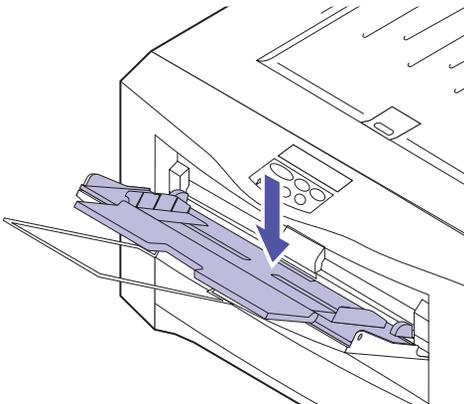
3 Flip open the standard paper support.



4 Before loading media, flex the sheets back and forth to loosen them, then fan them. Straighten the edges on a level surface.



If you've been using the multipurpose feeder and need to load a new stack of media, press the bottom of the feeder until it clicks into the loading position before loading media.



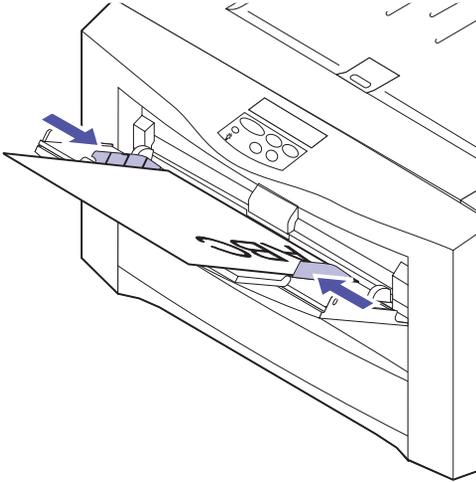
- 5** Load the sheets face up, as shown, and then slide the right and left paper guides until they just touch the stack.

The orientation of the media in the feeder depends on the size media you're loading:

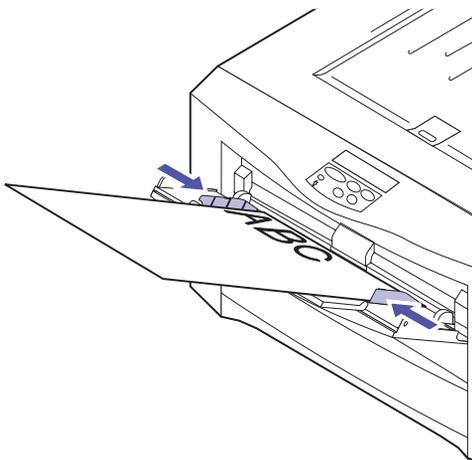
- Position A4, A5, B5, and letter size media so the *long edge* enters the printer first.

If you're loading preprinted letterhead, place the top of the page to the right.

A4, A5, B5, and letter size media



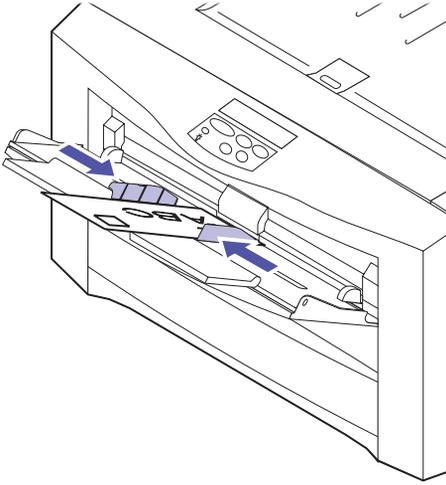
B4, A3, legal, and 11x17 size media



- Position B4, A3, legal, and 11x17 size paper so the *short edge* enters the printer first.

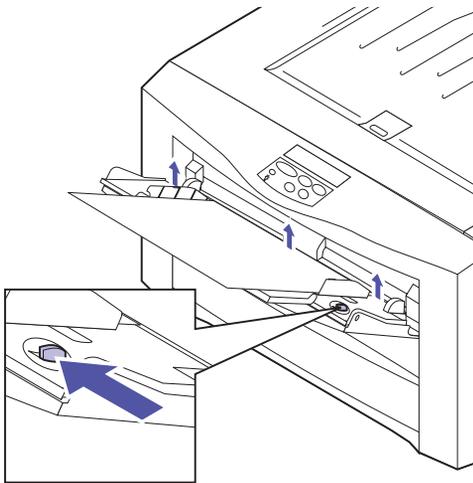
If you're loading preprinted letterhead, position the top of the page so it enters the printer first.

Envelopes



- Load envelopes flap-down, short-edge first, as shown.

Do not load stamped envelopes.



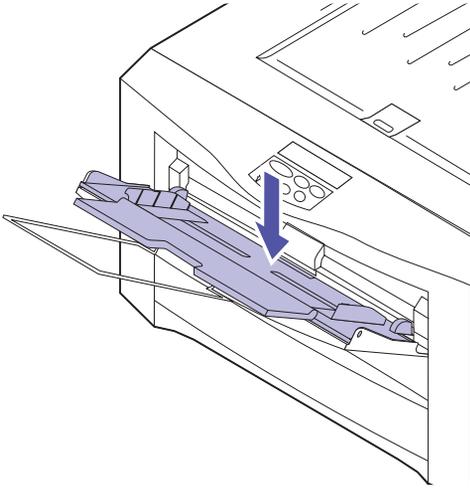
- 6** Press the green release lever to the left to position the media for printing.

Refer to the *User's Guide* for more information about printing from the multipurpose feeder.

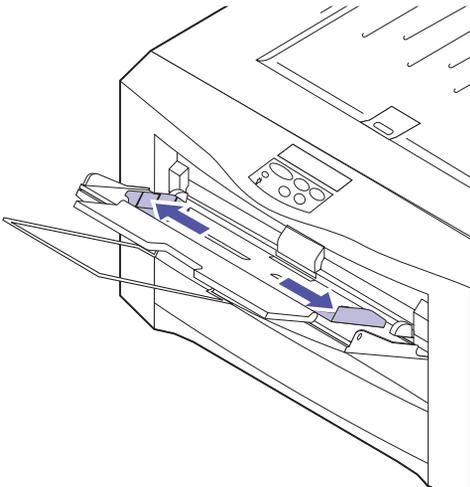
Closing the multipurpose feeder

To close the multipurpose feeder after you have finished printing:

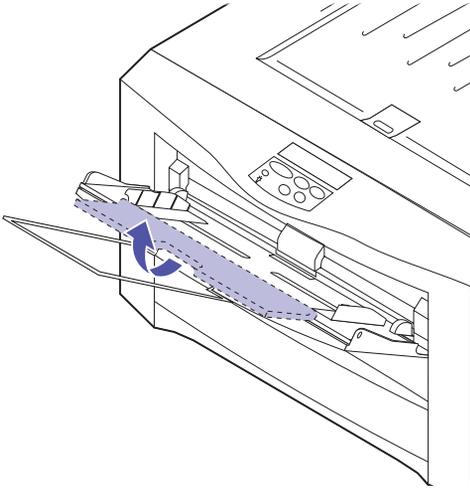
- 1 Press the bottom of the feeder until it clicks.



- 2 Slide the paper guides all the way out.



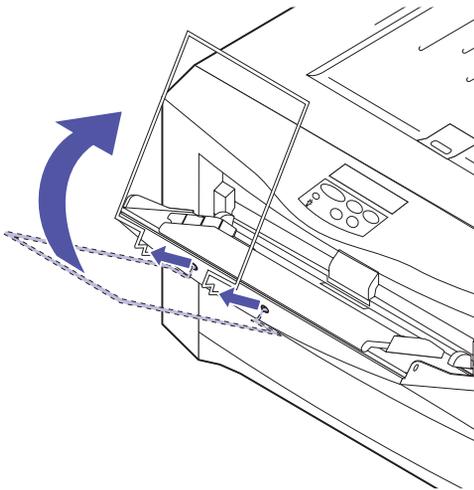
3 Fold in the standard paper support.



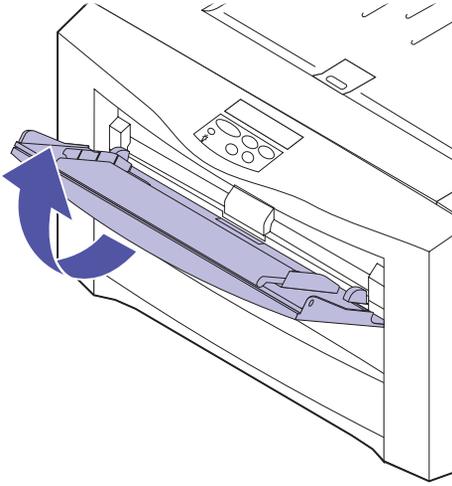
4 Remove the extended paper support, if installed.

a Rotate the support to a near vertical position.

b Pull the support out of the multipurpose feeder.

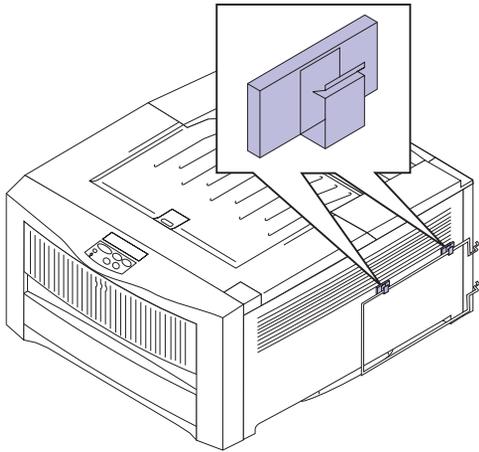


5 Close the multipurpose feeder.



6 Store the extended paper support.

- a** Attach the adhesive backed hooks shipped with the printer to the right side of the printer, as shown.
- b** Hang the extended paper support on the hooks when the multipurpose feeder is not in use.



Make sure the tips of the support wrap around the back of the printer, as shown.

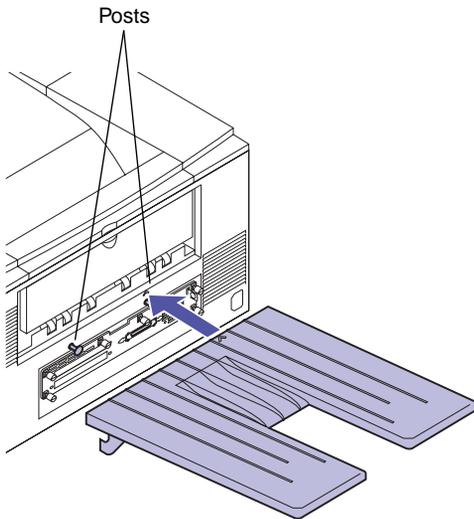
Attaching the rear output bin

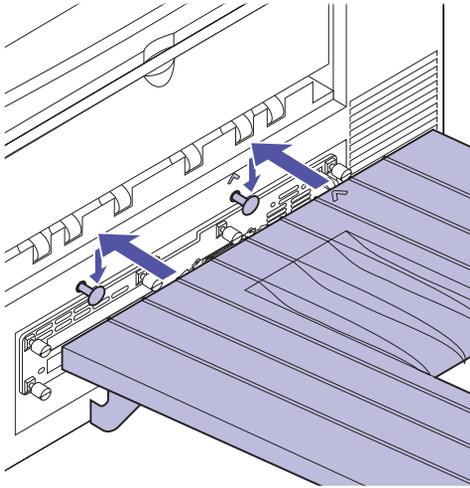
If you plan to load transparencies, envelopes, labels, or card stock in the multipurpose feeder, you may want to attach the rear output bin to the back of the printer. This creates a straight paper path for the media and prevents curling.

If you attach the rear output bin, you must remove it to access the printer system board or connect cables to the back of the printer.

To install the rear output bin:

- 1** Remove the bin from the packing materials.
- 2** Locate the two posts at the back of the printer.
- 3** Align the arrow on the bin with the arrow above the right post.





- 4** Hold the bin flush against the back of the printer.
- 5** Press the bin straight down, so the slots in the bin slide firmly over the posts.

If you purchased memory or disk options, or a network, tri-port, or parallel port adapter, continue with Step 6: “Install memory and network options” on page 38. Otherwise, skip to Step 7: “Attach cables” on page 53.

Step 6: Install memory and network options



You can add memory and interface ports to your printer by installing the following options:

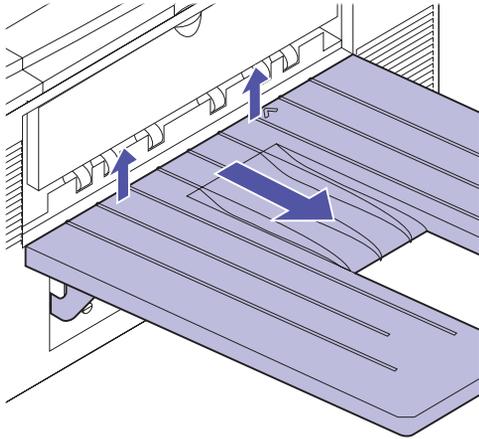
- Printer memory
- Hard disk
- Network adapter
- Tri-port adapter
- Parallel port adapter

Removing the system board

You must remove the system board to install memory cards, a hard disk, network adapter, tri-port adapter, or parallel port adapter. Instructions for reinstalling the system board begin on page 52.

To remove the system board:

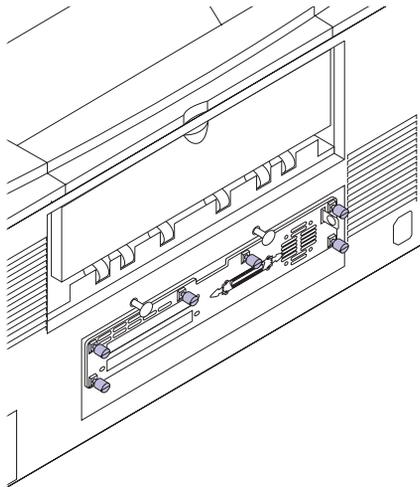
- 1** If you are installing options after initial printer setup, make sure the printer power is off and the power cord is unplugged.



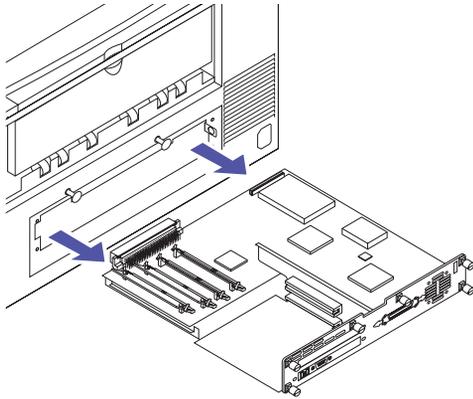
2 If the rear output bin is attached to the back of the printer, lift it straight up and remove it from the printer.

3 Disconnect all cables from the back of the printer.

If you installed an optional drawer, you do not need to unplug the option cable.



4 Loosen the six thumbscrews on the system board faceplate at the back of the printer.



5 Slide the system board completely out of the printer and place it on a level surface.

6 Turn to the appropriate section for instructions on installing your options.

Installing options

| Option | See... |
|--|--------------------------------------|
| Printer memory | "Installing memory pairs" on page 41 |
| Hard disk | "Installing a hard disk" on page 45 |
| Network adapter Tri-port adapter Parallel port adapter | "Installing adapters" on page 48 |

Installing memory pairs

Your printer comes with two 16MB memory cards already installed, for a total of 32MB of standard memory. (Some printer models may have more standard memory.) You can purchase two different memory options from Lexmark: a 32MB option that includes two 16MB cards, and a 64MB option that includes two 32MB cards. Since your printer has four memory connectors, you can therefore install up to a maximum of 128MB of memory.

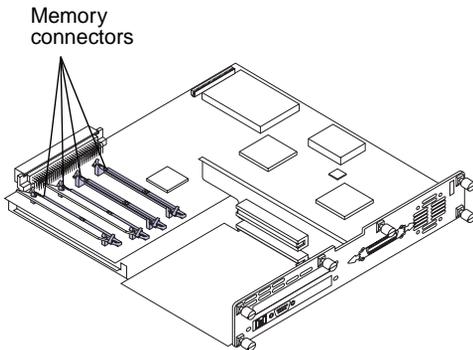
Note: Your printer requires 50ns Extended Data Out (EDO) memory cards that must be installed in pairs. Memory options designed for other Lexmark laser printers do not work with your printer. Refer to the *User's Guide* for more information.

You must always install memory cards *in pairs*, each with the same amount of memory. For example, to install 64MB of memory, you must install two 32MB cards or four 16MB cards.

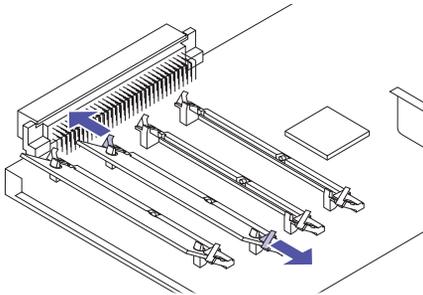
To install optional memory:

- 1** Complete the steps in “Removing the system board” on page 38.
- 2** Locate the memory connectors on the system board.

The two standard memory cards are installed in the far left connectors.



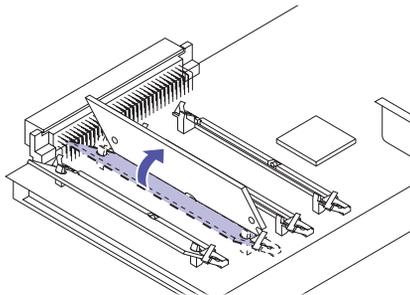
Warning! Memory cards are easily damaged by static electricity. Touch something metal before you touch a card.



3 Complete the following steps if you need to remove a pair of memory cards before you install new ones. Otherwise, skip to step 4 on page 43.

a Push the metal clips at each end of the connector away from the rightmost card.

b Rotate the card toward the right.

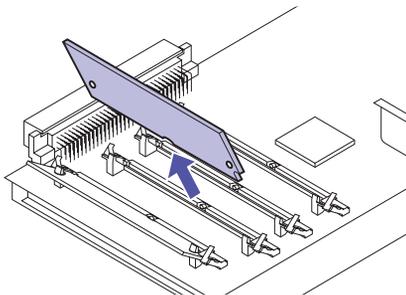


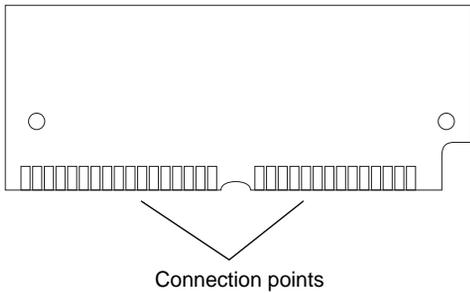
c Gently pull the card out of the connector.

d Place the card in its original packaging.

If you did not save the packaging, wrap the card in paper and store it in a box.

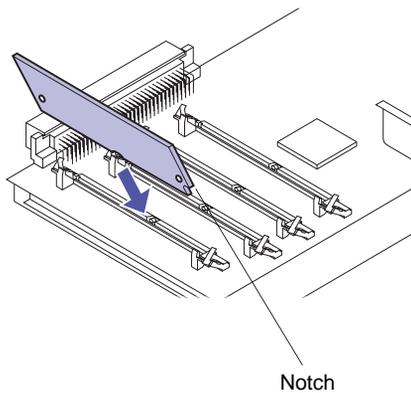
e Repeat steps a–d to remove the second memory card.



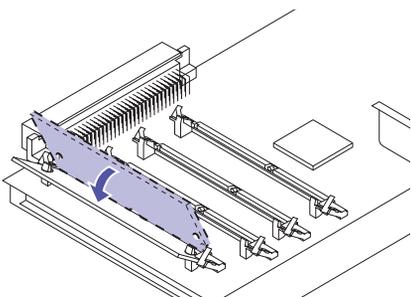


4 Unpack the new memory card.

Unpack each memory card separately just before installing it. Avoid touching the connection points along the edge of the card. Save the packaging.



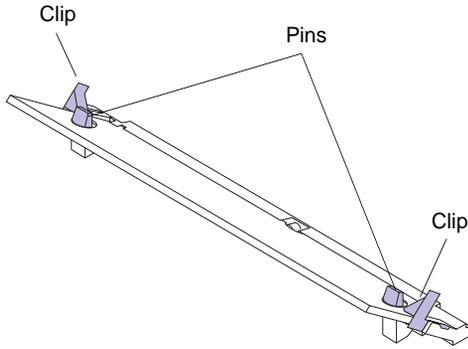
5 Hold the memory card with the connection points pointing toward the system board and the notch positioned as shown.



6 Insert the card all the way into the leftmost open connector at a 45 degree angle.

7 Rotate the card to the left until it snaps into place.

When the memory card is correctly installed, it sits at a sharp angle to the system board.



8 Make sure both metal clips on the connector are fastened, and the two pins on each end of the connector are pushed through the holes on the card.

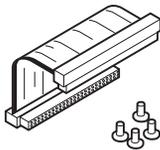
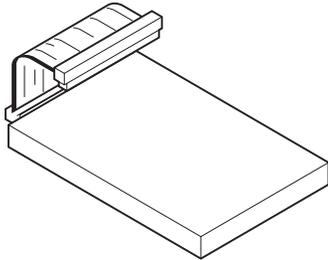
9 Repeat steps 4–8 to install the other memory card or cards.

10 If you have other options to install, continue with “Installing a hard disk” on page 45 or “Installing adapters” on page 48. Otherwise, go to “Reinstalling the system board” on page 52.

Installing a hard disk

Two hard disk options are available from Lexmark:

- A hard disk with a ribbon cable already installed.

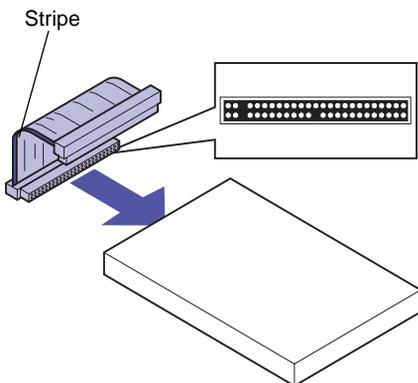


- An adapter ribbon cable alone that you can use to install any other Lexmark or third-party hard disk meeting the following criteria:
 - 2.5-inch platter
 - ATA-2 (IDE) interface
 - Maximum thickness of 13 mm (.51 in.)

Attaching an adapter ribbon cable

If you bought an adapter ribbon cable for a separate hard disk, follow these instructions to attach the cable to the disk. If your disk already has a ribbon cable attached, skip to “Installing the disk” on page 46.

The adapter ribbon cable comes with screws for securing the hard disk to the system board.



1 Locate the 47-hole connector on the ribbon cable.

One of the 50-hole connectors has three holes plugged.

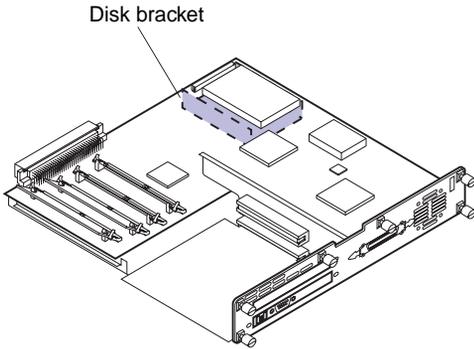
2 Carefully attach the 47-hole connector to the disk connector.

When correctly installed, the stripe on the ribbon cable should be oriented as shown.

3 Continue with “Installing the disk” on page 46.

Installing the disk

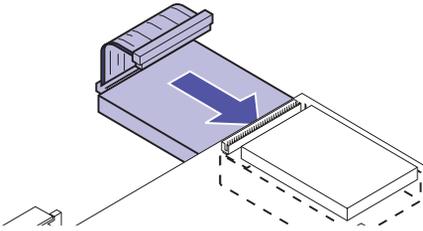
You need a Phillips screwdriver to install the disk.



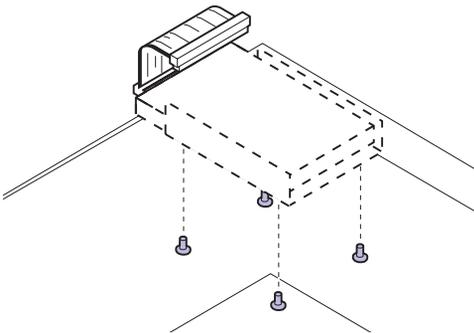
- 1** Complete the steps in "Removing the system board" on page 38.
- 2** Locate the disk bracket underneath the system board.

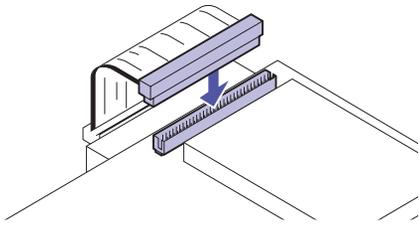
3 Hold the hard disk so the ribbon cable extends upward.

4 Slide the disk all the way into the bracket.



5 Insert the screws provided with the option into the back of the system board. Securely tighten the screws.



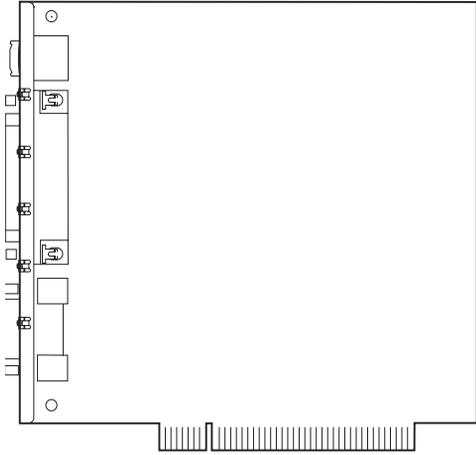


6 Connect the ribbon cable to the connector on top of the system board.

If you have trouble connecting the cable, make sure all four screws are securely attached to the back of the disk.

7 If you have other options to install, continue with “Installing adapters” on page 48. Otherwise, go to “Reinstalling the system board” on page 52.

Installing adapters



You can install the following adapters in your printer:

- Internal network adapter
- Tri-port adapter
- Parallel port adapter

An internal network adapter (INA), such as the MarkNet™ S, lets you connect the printer to a local area network (LAN). MarkNet S adapters support the following topologies:

- Ethernet 10BaseT and 10Base2
- Ethernet 10/100BaseTX
- Token-Ring

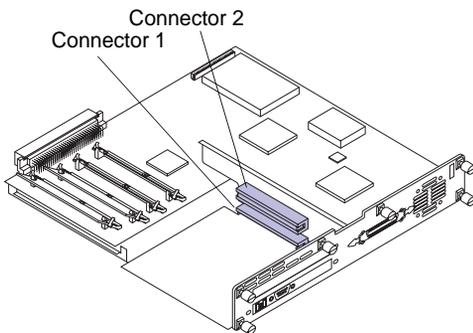
The tri-port adapter provides connectors for the following:

- Serial interface (RS-232C or RS-422), which can also serve as a receive-only fax port
- LocalTalk network
- An infrared adapter

The parallel port adapter provides an additional parallel port. Its 1284C connector requires a 1284 A–C cable. You can purchase a 3 m (9.8 ft) cable meeting these specifications from Lexmark.

Refer to the documentation that came with your adapter for more information.

Note: Depending on your printer model, you may already have an Ethernet INA installed in connector 1.



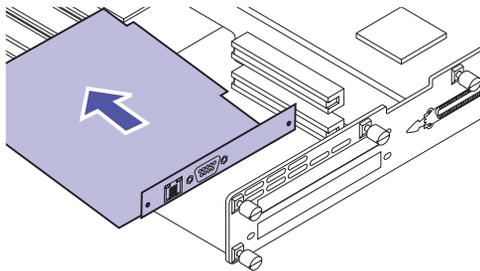
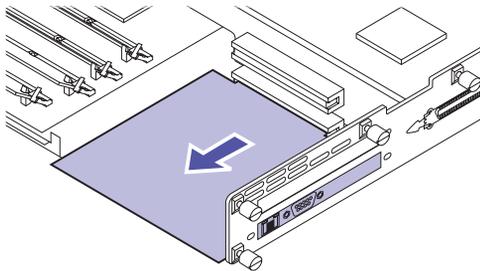
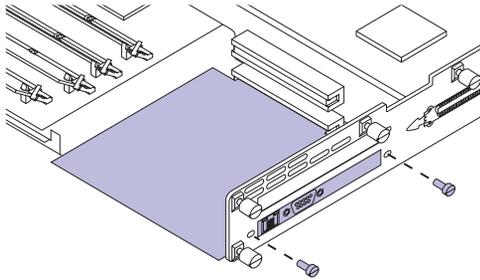
There are two adapter connectors on your system board: connector 1 and connector 2. Both connectors support network, tri-port, and parallel port adapters.

You can install up to two adapters in any combination. If you install two tri-port adapters, your printer can support two serial ports (but only one receive-only fax port), one LocalTalk port, and one infrared port.

If you are installing one adapter, install it in connector 1. You can then easily install a second adapter in connector 2. If you already have an adapter installed in connector 2 and you want to install a second adapter, you must first remove the adapter in connector 2, and then install the adapters in connector 1 and connector 2 in sequence.

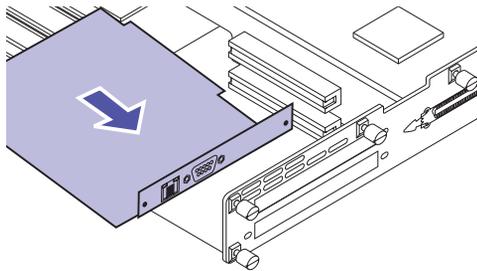
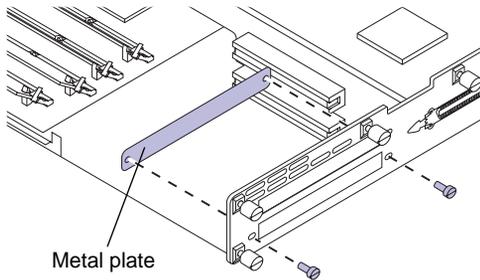
To install an optional adapter:

Warning! All adapters are easily damaged by static electricity. Touch something metal before you touch an adapter.



- 1** Complete the steps in “Removing the system board” on page 38.
- 2** Complete the following steps if you need to remove an adapter before you install another one. Otherwise, skip to step 3 on page 50.
 - a** Remove the two screws on either end of the opening for the cable connectors.
 - b** Gently pull the adapter completely out of the system board connector.
 - c** Angle the adapter away from the system board.
 - d** Place the adapter in its original packaging.

If you did not save the packaging, wrap the adapter in paper and store it in a box.



- e** If you are not installing another adapter in the connector, cover the opening, preferably with one of the metal plates designed for that purpose.

Covering the opening ensures proper airflow around the system board. If you do not have a metal plate, contact your service representative and request a *blank cover for the controller cage*.

- 3** Before installing an adapter, remove the metal plate covering the opening for the cable connectors.

- a** Remove the two screws on either end of the metal plate.

Save the screws. You'll use them to secure the adapter to the system board.

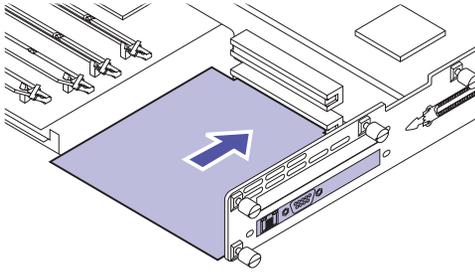
- b** Remove the plate.

Save the metal plate so you can reinstall it if you remove the adapter.

- 4** Unpack the adapter.

Save the packing materials.

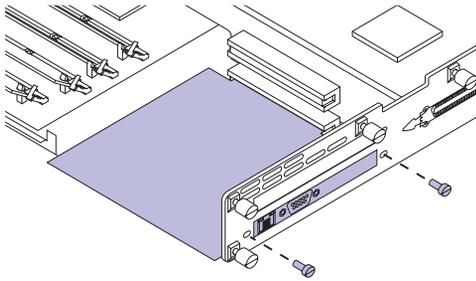
- 5** Angle the adapter, as shown, so the cable connectors on the adapter fit through the opening in the faceplate.



6 Align the adapter connector with the connector on the system board.

7 Push the adapter firmly into the system board connector until it is completely seated.

The two connectors should fit snugly together.



8 Insert the two screws saved from the metal plate (or the extra screws shipped with the adapter) into the holes on either end of the opening for the cable connectors.

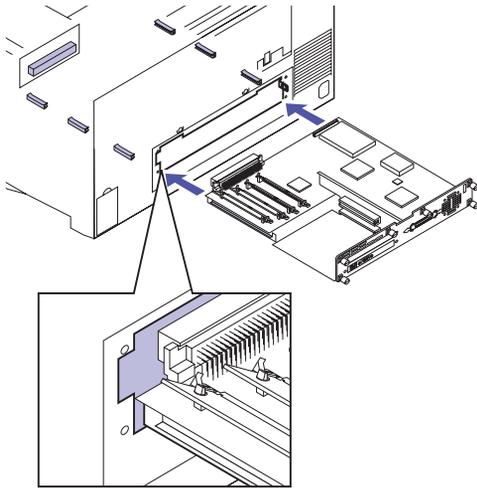
9 Gently tighten the screws to secure the adapter.

10 Repeat steps 3–9 to install a second adapter in connector 2.

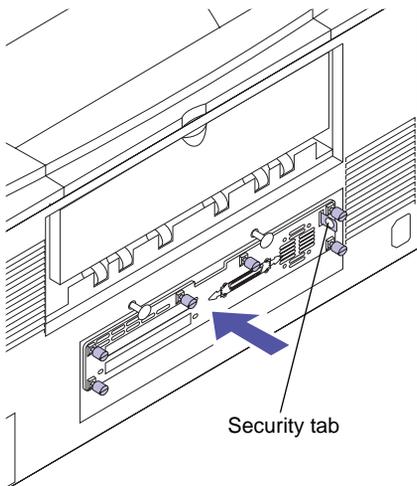
11 Continue with “Reinstalling the system board” on page 52.

Reinstalling the system board

After you have installed all options on the system board, complete the following steps to reinstall the system board:



- 1** Align the system board with the printer opening, as shown.
- 2** Rest the system board on the lip at the front of the opening.



- 3** Carefully slide the system board all the way into the printer.

The security tab on the right side of the printer should fit through the slot in the faceplate. You can attach a padlock to the security tab to prevent access to the system board.

- 4** Firmly press the faceplate in the area indicated by the arrow.

This ensures the connector on the back of the system board inserts completely into the connector at the back of the printer opening.

- 5** Securely tighten the six thumbscrews on the system board faceplate.

- 6** If necessary, reattach the rear output bin.

If you have trouble installing the bin, make sure the screws on the system board faceplate are completely inserted.

Step 7: Attach cables

You can attach the printer to a LAN by:

- Connecting the printer directly to the server using a parallel or serial cable.

Your printer's standard parallel port requires an IEEE-1284 compliant parallel cable. We recommend Lexmark part number 1329605 (10 ft) or 1427498 (20 ft). If you installed an optional parallel port adapter, you need a 1284 A-C parallel cable, such as Lexmark part number 43H5171 (9.8 ft). If you use something other than an IEEE-compliant cable, you may not be able to access all of your printer's functions.

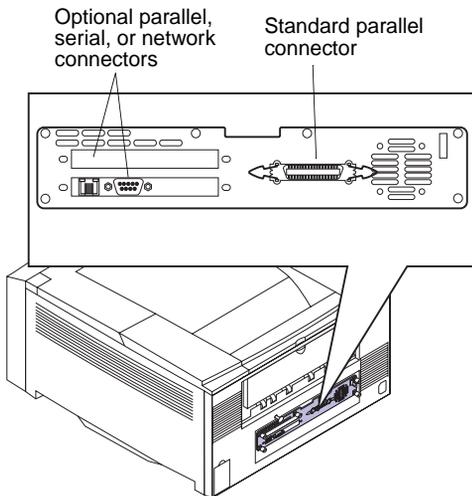
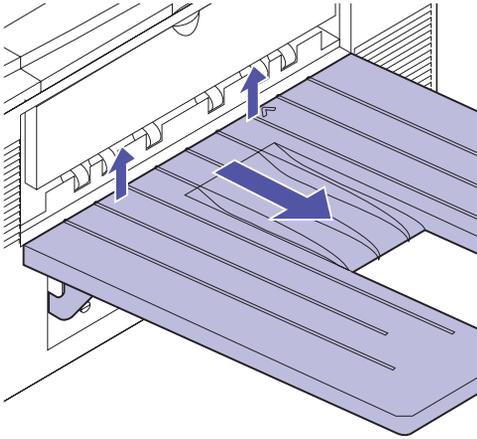
If you're attaching a serial cable, we recommend Lexmark part number 1038693 (50 ft). Attach the cable to the serial connector on the optional tri-port adapter you installed in the printer.

- Connecting the printer directly to the LAN:
 - Using an external network adapter (ENA), such as Lexmark's MarkNet Pro or MarkNet XLe adapter
 - Using an internal network adapter, such as the MarkNet S described on page 48
 - Using the optional tri-port adapter to connect to a LocalTalk network

For more information about your particular adapter, refer to the documentation that came with the adapter.

To attach a cable to your printer:

- 1** Make sure the printer power is off and the power cord is unplugged.
- 2** If the rear output bin is attached to the back of the printer, lift it straight up and remove it from the printer.



- 3** At the back of the printer, locate the parallel, serial, or network cable connector.

One parallel connector is standard. Additional parallel connectors and the serial and network connectors are attached to the adapters installed in the printer.

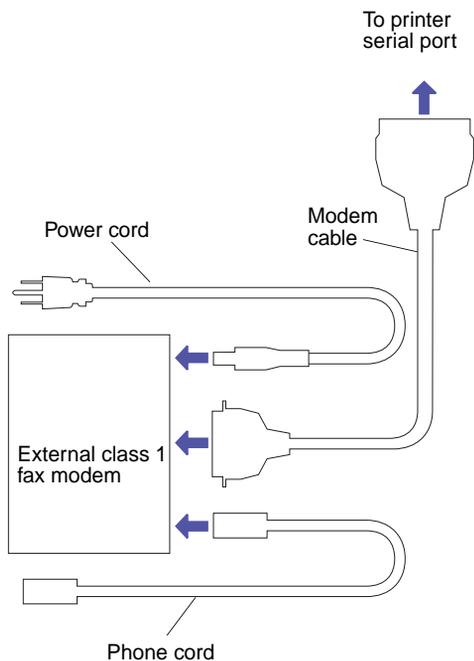
- 4** Connect the appropriate cable.
- 5** Reattach the rear output bin, if necessary.

Connecting an external fax modem

If you installed an optional tri-port adapter in your printer, you can attach an external, class 1 fax modem to the serial port on the adapter. You can then use your printer to receive faxes.

Faxes received print in black only. You cannot send faxes from your printer.

To set up the serial port to receive faxes:



- 1 Make sure the printer power is off and the power cord is unplugged.**
- 2 Turn the modem power off.**
- 3 Follow the instructions included with the modem to connect the modem to the serial port.**

The modem connects to the printer in the same way it would connect to a computer. Make sure the modem cable has a 25-pin connector to attach to the serial connector on the printer.

- 4 Turn the modem power on.**

You must turn on the modem *before* you turn on the printer.

- 5 Turn the printer power on.**

- 6 From the printer operator panel:**

- a Press the Menu> or <Menu button to enter the menus.**
- b Continue to press Menu> or <Menu until you see FAX MENU.**
- c Press the Select button.**

Fax Port appears on the second line of the display.
- d Press Select again.**

- e** Press **Menu>** or **<Menu** until the serial port you want to set up as a fax port appears on the second line of the display.

For example, if you installed a tri-port adapter in connector 2, look for **Ser Option 2**.

- f** Press **Select**.

The printer resets. You are now ready to receive faxes.

Refer to the printer *User's Guide* for information about changing the fax communication settings, such as baud and parity.

Note: Do not attempt to configure the serial port for multiple uses with an A-B switch.

To disable the fax modem and restore the printer serial port to normal use:

1 From the printer operator panel:

- a** Press the **Menu>** or **<Menu** button to enter the menus.

- b** Continue to press **Menu>** or **<Menu** until you see **FAX MENU**.

- c** Press the **Select** button.

Fax Port appears on the second line of the display.

- d** Press **Select** again.

- e** Press **Menu>** or **<Menu** until **Disabled** appears on the second line of the display.

- f** Press **Select**.

The printer resets.

2 Turn the modem power off.

3 Turn the printer power off.

4 Disconnect the modem cable from the printer serial port.

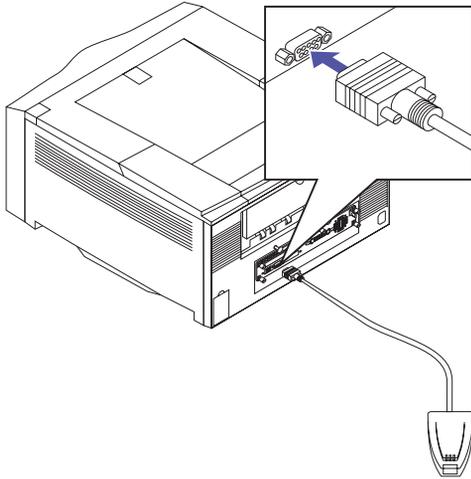
5 Turn the printer power on.

Connecting an infrared adapter

You can use an infrared adapter to print remotely from a computer equipped with an infrared port.

The optional tri-port adapter, which includes an infrared port, lets you connect the infrared adapter to your printer.

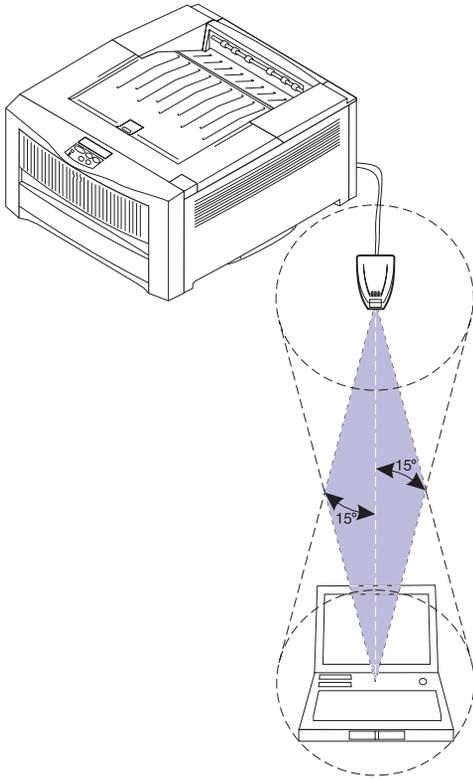
After you have installed the tri-port adapter, follow the steps below to connect the infrared adapter to your printer:



- 1 Make sure the printer power is off and the power cord is unplugged.**
- 2 Locate the infrared port at the back of your printer.**

The infrared port is attached to the tri-port adapter you installed earlier.
- 3 Plug the adapter cable into the infrared port.**
- 4 Plug in the printer power cord and turn on the printer.**

If any light on the infrared adapter comes on when the printer power is on, the adapter is plugged into the printer port correctly.



- 5** Draw an imaginary line between the infrared port on the computer and the infrared port on the front of the adapter.

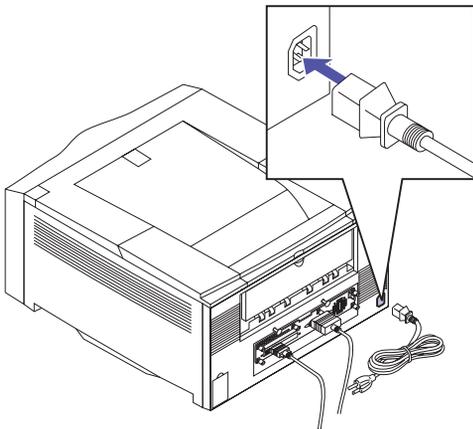
Refer to the documentation that came with your computer for information about your computer's infrared port.

- 6** Aim the infrared port on your computer within 15 degrees of either side of this line, as shown.

Step 8: Verify setup

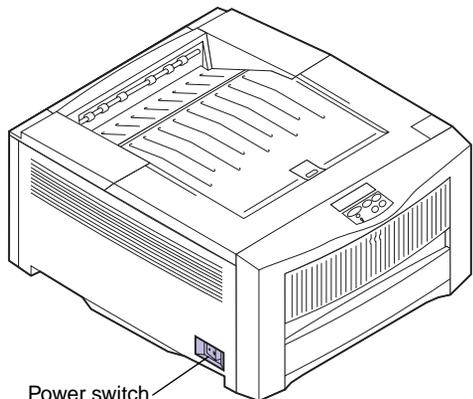
Print the menu settings page to review the default printer settings and to verify that printer options are installed correctly. For more information about using the printer operator panel and changing menu settings, refer to the *User's Guide*.

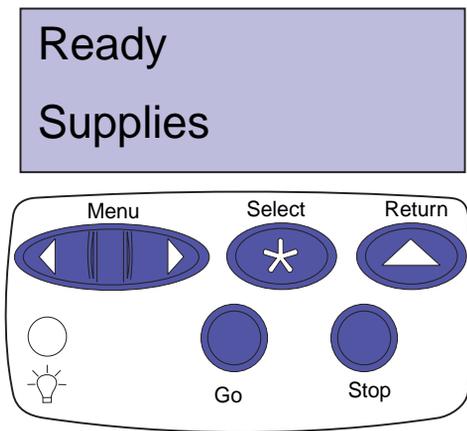
- 1 Make sure the printer is turned off (O).
- 2 Plug one end of the power cord into the connector at the back of the printer and the other end into a properly grounded electrical outlet.



- 3 Turn the printer on (I).

Installing new photoconductors adds to the warm-up time the printer requires after you turn it on. During this period, the messages **Performing Self Test** and **Engine Warming** appear on the operator panel display. After the printer completes its internal tests, the **Ready** status message is displayed.





Printing the menu settings page

Note: Before printing the menu settings page, make sure the selected paper source holds A4, letter, or legal size paper and the Paper Type setting for the source is Plain Paper.

If Power Saver is set On (the factory default), **Power Saver** replaces the **Ready** status message after the specified period of time. Both messages indicate that the printer is ready to receive print jobs. Refer to the *User's Guide* for more information about modifying the Power Saver setting.

If an error message is displayed, refer to the *User's Guide* for helpful tips.

Complete the following steps to print the menu settings page. Refer to the *User's Guide* for more information about using the printer operator panel and changing settings from the menus.

- 1 From the printer operator panel, press the **Menu>** or **<Menu** button to enter the menus.
- 2 Continue to press and release **Menu>** or **<Menu** until you see **TESTS MENU**.
- 3 Press the **Select** button.

TESTS MENU is then displayed on the first line, and **Print Menus** is on the second line.

- 4 Press **Select** again to print the page.

The message **Printing Menu Settings** is displayed. The printer returns to **Ready** status after the menu settings page prints.

If an error message appears on the display, refer to the *User's Guide* for more information.

- 5 Verify that the options you installed are listed on the menu settings page under “Installed Features.”**

If an option you installed does not appear on the page, turn the printer off, unplug the power cord, and reinstall the option.

- 6 If you attached a serial cable, verify that the printer serial settings listed on the menu settings page are appropriate for your system.**

Refer to the *User’s Guide* for more information about the Serial Menu and changing these settings.

Changing the Paper Type setting

It is important to verify that the Paper Type settings are accurate for all the installed paper sources. Refer to the menu settings page you printed. The Paper Type is listed for each of the installed paper sources.

Paper Type refers to the type of media loaded in the sources: plain paper, letterhead, envelopes, transparencies, card stock, a custom media you define, and so on. Since different sources can hold different media, you can customize the Paper Type setting for each source.

The printer uses the Paper Type setting to optimize print quality for the media you specified. For example, selecting the Transparency paper type causes the printer to heat the fuser to a higher temperature and slows printing to produce the best transparency possible. The Paper Type setting also affects the printer’s automatic source selection capability, as well as the tray linking function. For these reasons, it’s important to change the setting each time you change the media in the tray or feeder.

Refer to the *User’s Guide* for more detailed information about the paper types supported by each paper source, as well as ways to use the Paper Type setting to make printing more efficient in your work environment.

If you need to change a Paper Type setting:

- 1** From the printer operator panel, press the **Menu>** or **<Menu** button to enter the menus.

PAPER MENU appears on the second line of the display.

- 2** Press the **Select** button to open the Paper Menu.

- 3** Press and release **Menu>** until **PAPER TYPE** appears on the second line.

- 4** Press **Select**.

Tray 1 Type appears on the second line of the display.

- 5** Press **Select** again if you want to change the Tray 1 Type setting.

- 6** Press **Menu>** or **<Menu** to scroll through a list of possible paper types for tray 1.

- 7** When the correct paper type appears on the second line of the display, press **Select** again to save the type as the default for tray 1.

- 8** If you need to change the Paper Type setting for another source, press **Menu>** to scroll to the appropriate source, and then repeat steps 5 through 7.

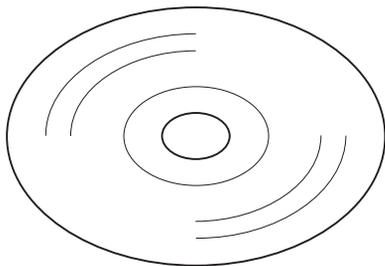
- 9** When you are finished changing the Paper Type settings, press the **Go** button to return the printer to the ready state.

Printing an adapter setup page

If you installed a network adapter and want detailed information about the option and the active protocols, follow the instructions below to print the adapter setup page:

- 1** From the operator panel, press **Menu>** or **<Menu** to enter the menus.
- 2** Continue to press and release **Menu>** or **<Menu** until you see **NETWORK MENU**.
- 3** Press **Select**.
Network Option 1 or **Network Option 2** appears on the second line of the display. If necessary, press **Menu>** or **<Menu** to display the correct network option.
- 4** Press **Select** again.
- 5** Press **Menu>** or **<Menu** until you see **NETWORK x SETUP** on the second line of the display.
- 6** Press **Select**.
- 7** Press **Menu>** or **<Menu** until you see **Print** on the second line of the display.
- 8** Press **Select**.
Print Setup Page appears on the second line of the display.
- 9** Press **Select** to print the page.

Step 9: Load MarkVision and drivers



The compact disc (CD) shipped with your printer contains printer drivers and utilities for Windows 95, Windows NT 4.0, Windows 3.1x, Macintosh, OS/2, and DOS environments. Drivers are available for both PostScript Level 2 and PCL printer languages.

Refer to the CD Readme for a complete list of all the drivers included on the CD. Updated drivers, as well as a complete description of the driver packages and Lexmark driver support, are also available electronically from the Lexmark web site on the World Wide Web. Refer to the *User's Guide* for more information about getting updated drivers.

To support all the printer's features, install the custom Lexmark drivers on your system. If you use drivers designed for printers other than the Optra Color 1200, you may not be able to control all of the printer's functions. For more information about these functions, refer to the driver online Help or to the printer *User's Guide*.

In addition to printer drivers, you may be particularly interested in installing the MarkVision™ printer utility. MarkVision provides numerous printer management tools that can help you set up a network of printers, monitor the status of the printers, and collect information about printer use. For more information about MarkVision features and installation, refer to the MarkVision documentation on the CD or in the printer *User's Guide*.

Note: If you only have infrequent access to a CD-ROM drive, you can create installation diskettes from the CD.

Note: To use your printer most effectively, we recommend that you install the custom Lexmark printer drivers appropriate for your printing environment.

1 Launch the CD.

Refer to the booklet included with the CD for information about launching the CD program for your operating system.

When you launch the CD, the CD program displays icons or text items that let you choose what you want to do.

If necessary, you can change the language of the text the CD displays on the screen. This also changes the language of the text displayed on the user interface screens for the drivers and utilities you choose to install.

2 Select the appropriate icon to:

- Install printer drivers
- Install the MarkVision printer utility
- Install network support
- Install screen fonts
- View online documentation
- View the CD Readme
- Access Lexmark support phone numbers
- Create diskettes
- Register your printer (Windows operating systems only)

At any time the CD program is running, press F1 for online Help. Refer to the CD Readme for the latest information about the contents of the CD.

Congratulations!

You have successfully set up your Optra Color 1200 printer. Refer to the *User's Guide* for complete information about all of the unique features of your Lexmark color printer.

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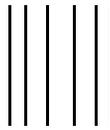
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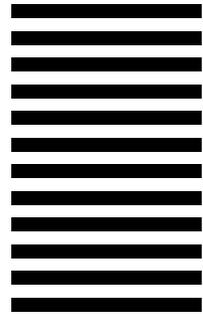
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