IBM Network Printer 12

Quick Setup

G544-5371-01

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Note!

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 24.

Second Edition (November 1996)

This manual obsoletes G544-5371-00.

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Department H7FE Building 003G
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Information Development
PO Box 1900
Boulder CO USA 80301-9191

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Start Here

This booklet describes how to set up your Network Printer 12. It describes a basic configuration using a parallel cable connection. This cable needs to be purchased separately; it is not included with the printer.

Note: In addition to the parallel cable attachment, the Network Printer 12 supports a wide variety of network attachment interfaces, including serial, twinax, coax, token ring, and Ethernet attachments. For information about installing network attachments and other optional features, please read “Installing Other Options and Attachments” on page 2.

Printer Dimensions

Before you install your printer, make sure you have a place large enough to put it. Without any of its optional features attached, the printer dimensions are:

Width 16.6 inches (421 mm)

Depth 16.3 inches (415 mm)

Height 9 inches (228 mm)

In addition, make sure you leave enough room around the printer to access and operate it. IBM recommends leaving at least 18 inches (450 mm) in the back of the printer, 24 inches (600 mm) in the front of the printer, and 8 inches (200 mm) on each side.

Standard Features

Standard features of the printer include:

- Printing speed of up to 12 pages per minute
- Resolution of 600 dots per inch (dpi)
- PCL5e support
- 4MB of memory
- Parallel interface (IEEE 1284)
- Serial interface (RS-232/422)
- 250-sheet paper tray
- 80-sheet auxiliary tray
- 250-sheet paper output bin
- Printer drivers

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Installing Other Options and Attachments

IBM recommends that you follow the instructions in this book to install the base printer before you install any of its optional features and attachments. This helps make it easier to resolve installation problems, should they occur. For information on how to install any of the following optional features, see the *IBM Network Printer 12: User's Guide*:

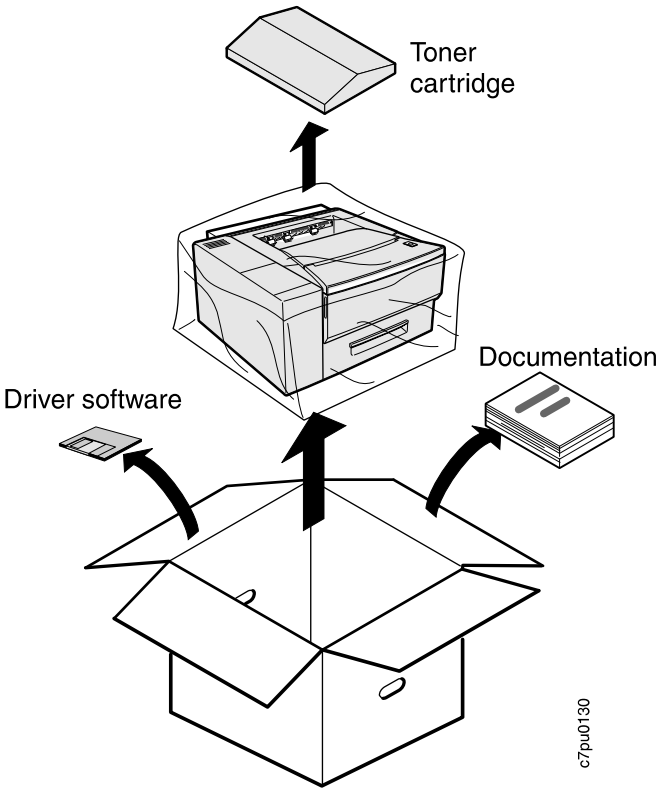
- Paper Drawer with 500-sheet Tray
- Duplex Unit
- Envelope Tray
- Face-Up Output Bin for paper and other print media
- 4MB, 8MB, 16MB, and 32MB Memory SIMMs
- Adobe PostScript Level 2 SIMM
- IBM IPDS SIMM
- Flash Memory SIMM (2MB, 4MB)
- 810MB Hard Drive
- Attachment cards:
  - IBM Network Card for Ethernet (10Base2 or 10BaseT)
  - IBM Network Card for Token Ring
  - IBM Twinax SCS Interface
  - IBM Coax SCS/DSC/DSE Interface

Unpacking the Printer

Remove all items from the packing box including packaging pieces. Lift the printer by its corners and place it on a flat surface. If any of the following items are missing, contact your point of purchase:

- IBM Network Printer 12
- Toner cartridge
- Documentation
- Driver software
- Power cord (in some countries the power cord needs to be ordered separately and is shipped in a separate box)

Note: Save all packing materials in case you need to ship or store your printer. For repacking instructions, see the *IBM Network Printer 12: User's Guide*.



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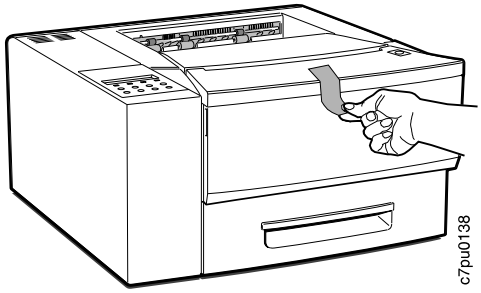
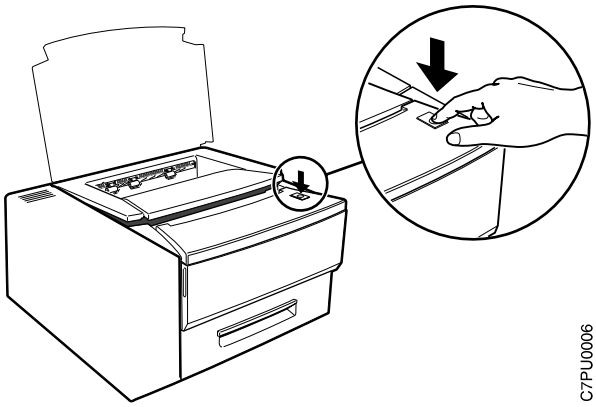
Installing the Toner Cartridge

1. Remove the tape from the front cover. If the auxiliary tray door opens when you remove the tape, please close it.



2. Press the button on the top of the printer to open the top cover.

   Attention: Do not touch the internal parts of the printer.



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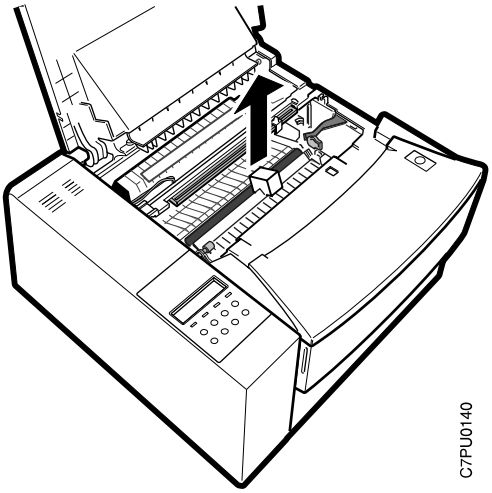
3. Remove the styrofoam spacer. Save it in case you need to ship the printer.

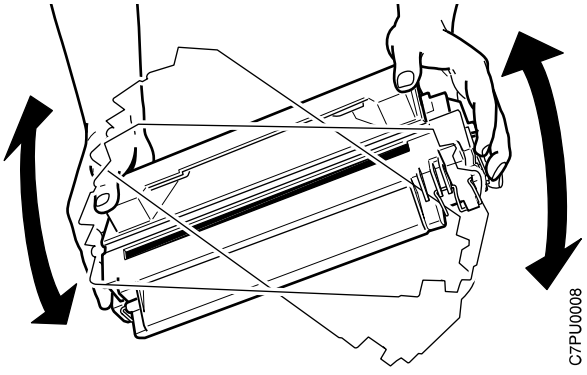
   Attention: If you do not remove the spacer, paper will get stuck in the printer.



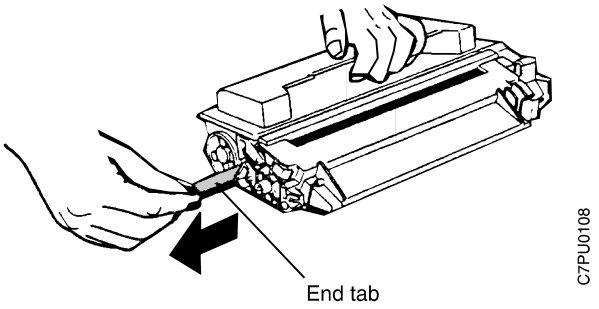
4. Remove the toner cartridge from its foil wrapper.

   Attention: Do not expose the cartridge to direct sunlight. Do not leave the cartridge exposed outside the printer or the foil wrapper for more than five minutes.

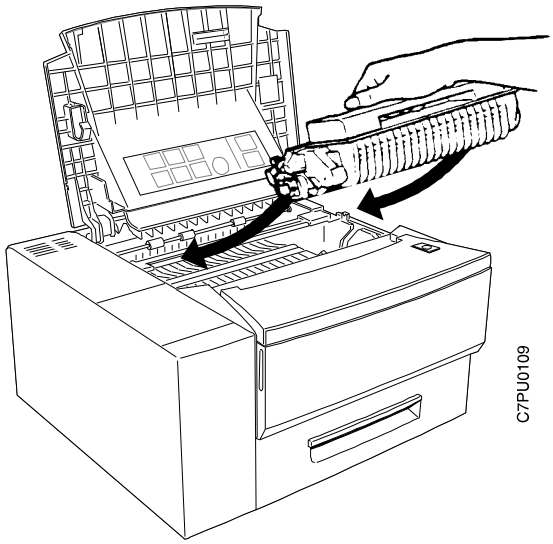
5. Grip the toner cartridge at each end and gently rock it from side to side to evenly distribute the toner.



6. Place the cartridge on a flat surface and locate the yellow tape at the end of the cartridge. Pull the end of the tape straight out to remove the toner seal.



7. Grip the toner cartridge as shown. Slide the cartridge into the printer guide channels. To make sure the toner cartridge is secure, gently press both ends of the cartridge until the cartridge stops.

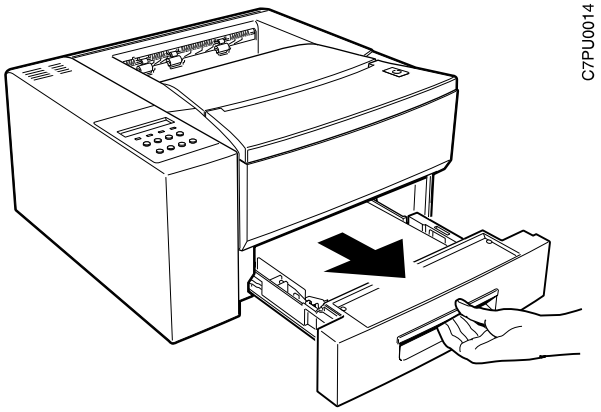


8. Close the top cover.

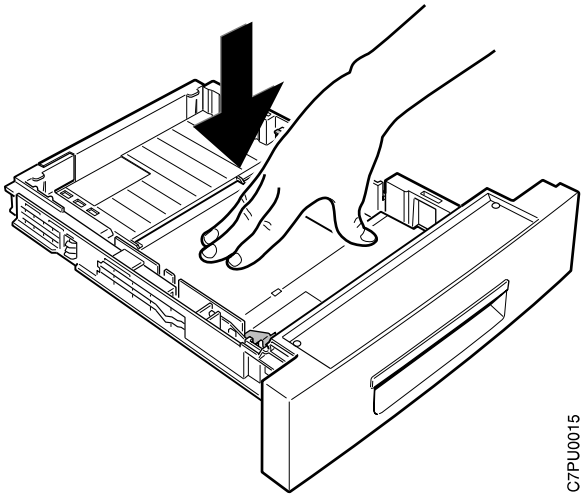
Loading Paper

The Network Printer 12 supports most common sizes of paper, including Letter, A4, 13-inch legal (Folio), 14-inch legal, Executive, and B5-JIS. For a complete description of how to select, load, and handle paper, see the *IBM Network Printer 12: User's Guide*.

1. Remove the paper tray from the printer and place it on a flat surface.



2. Press down on the bottom plate of the paper tray until it snaps into position.



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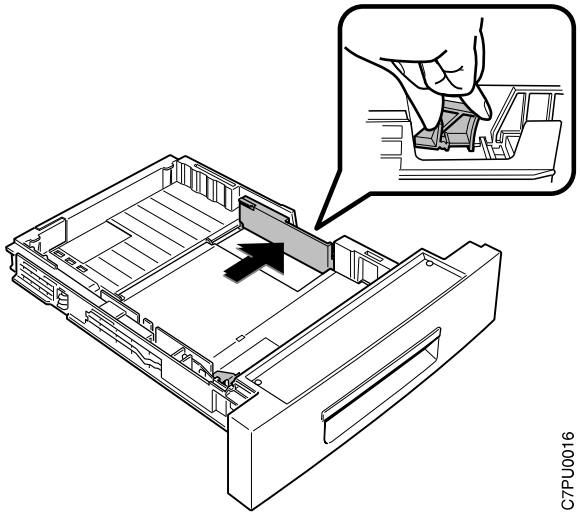
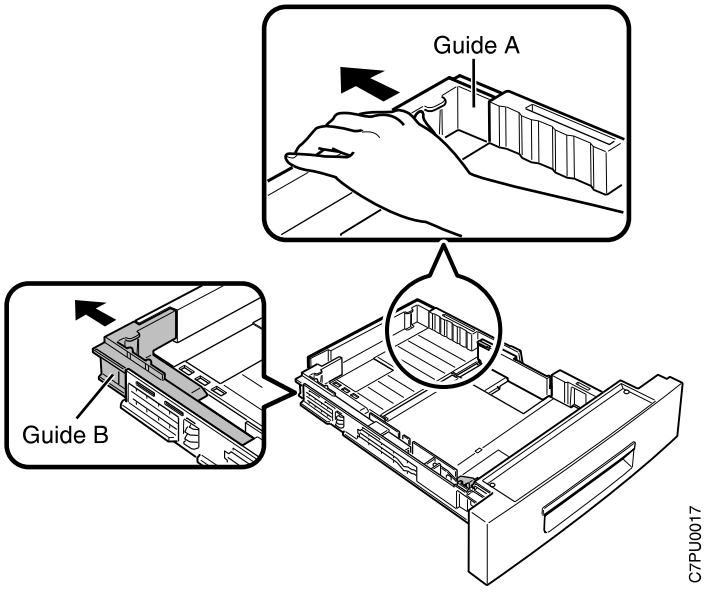
3. **Important!** If you are using letter paper (8.5 in. X 11 in.), go to Step 4 on page 9. Otherwise, adjust the paper guides as follows:

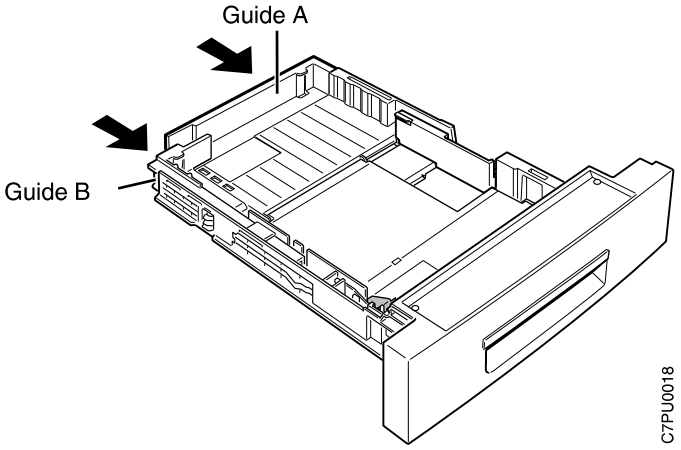
   a. Squeeze the side guide and slide it to the far right.



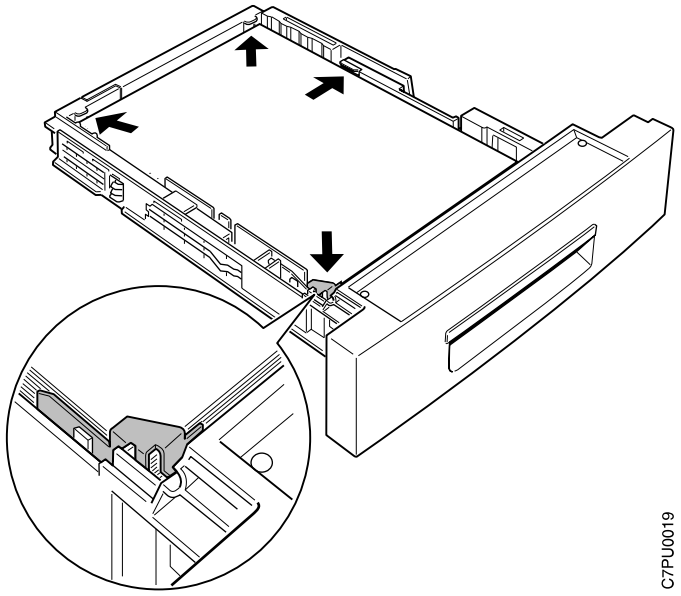
   b. To lengthen the tray, slide guide A out. Then slide guide B to align it with guide A.



c. To shorten the tray, slide guide B in to the edge of the paper. Then slide guide A in to align with B or until it hits the stop.

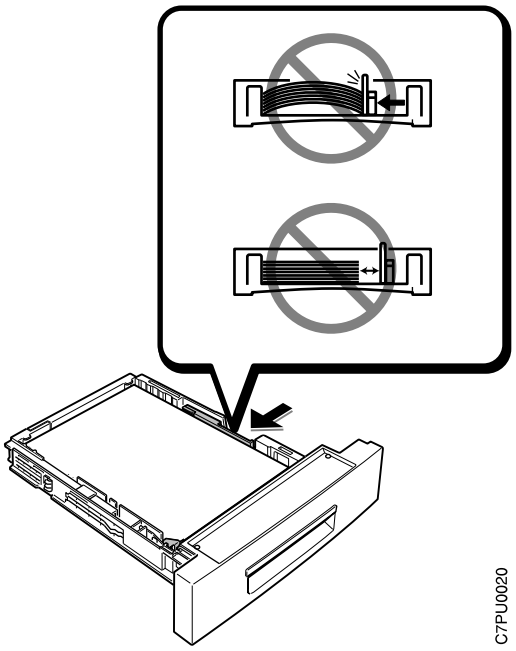


4. Insert the paper into the tray. Make sure you place the corners of the paper under the retaining clip at the front of the tray and the plastic tabs on the end and side of the tray.

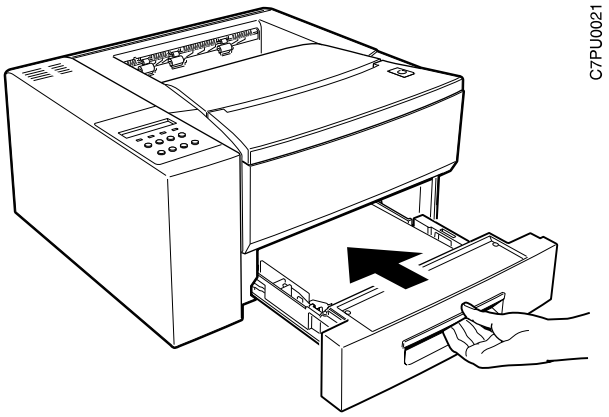


5. If the paper is narrower than the tray, adjust the side guide so that it presses lightly against the side of the paper stack.

   Note: The paper should lay flat in the tray; it should not be bowed.



6. Slide the paper tray into the printer until it clicks into place.

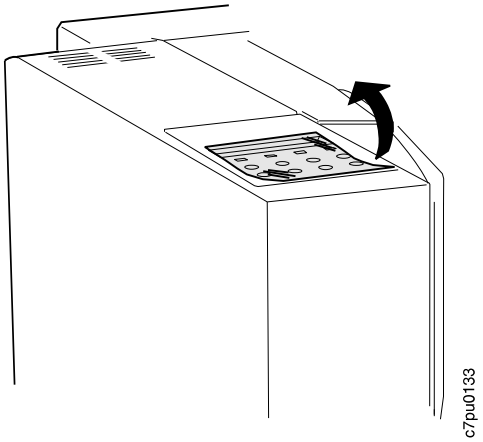


Applying the Operator Panel Template

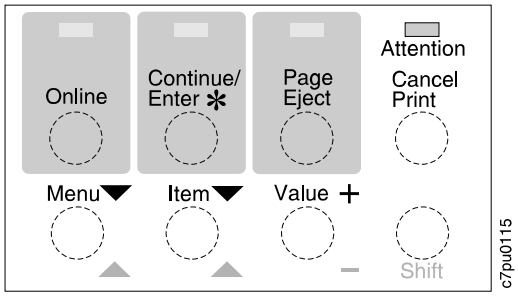
Important!

Some printers may have the template installed already. If yours does, skip this procedure and go to “Powering On the Printer” on page 13.

1. Peel the thin layer of protective plastic off the message display area.



2. Use a dry cloth or towel to remove dust from the operator panel.
3. Locate the template. The template lists the names of the keys on the operator panel.



Note: When you complete the printer setup, see the *IBM Network Printer 12: User's Guide* for a complete description of how to use the keys on the operator panel.

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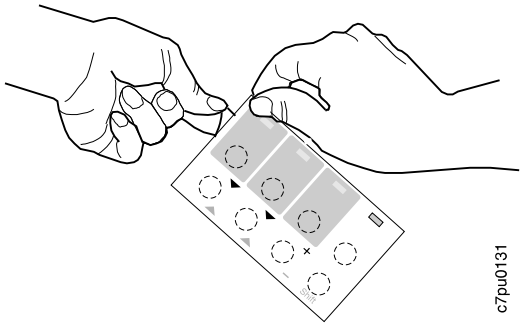
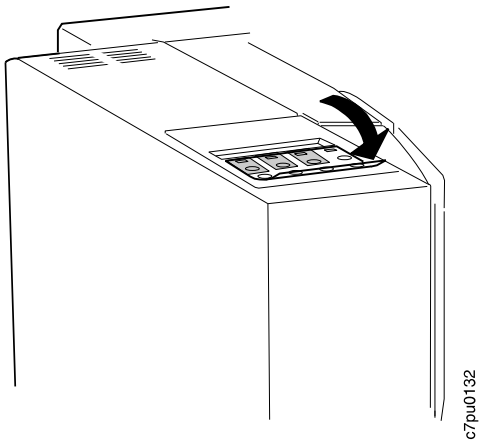
4. Remove the backing from the template.



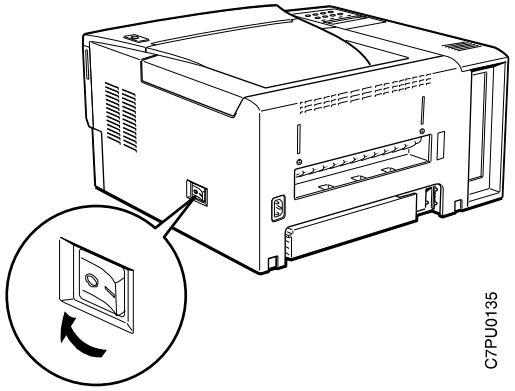
5. Position the template so that the top of the template lines up squarely with the top of the operator panel. Working down from the top of the template, gently press it into place.



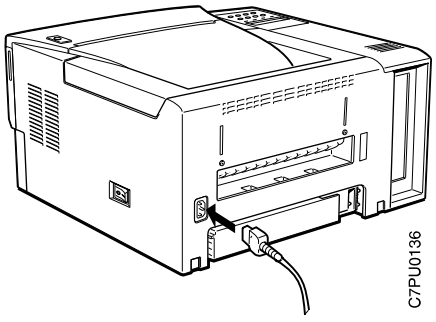
Powering On the Printer

CAUTION:
This product is equipped with a required, country-approved plug. For your safety, use it in conjunction with a properly grounded receptacle.

1. Make sure the printer is off. The power switch is located on the side of the printer. The printer is off when the O on the switch is pressed in.



2. Plug the power cord into the socket located on the back of the printer.



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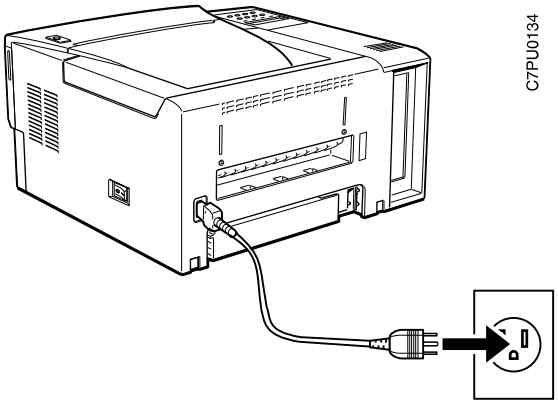
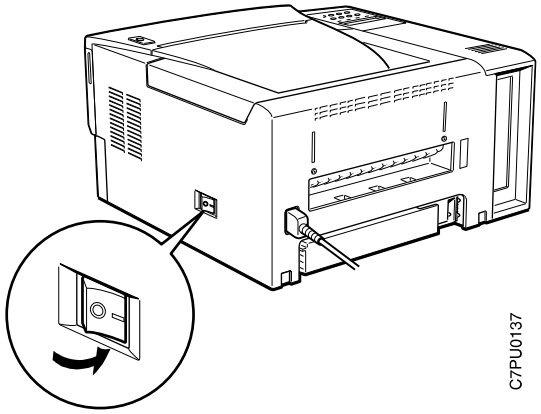
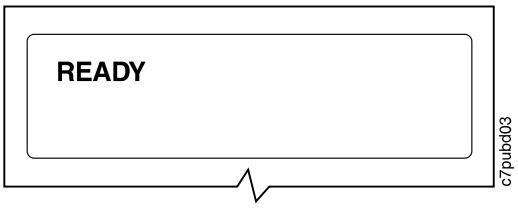
3. Plug the other end of the cord into a grounded AC wall outlet or an equivalent fixture.



4. To power on the printer, press the I on the power switch.



5. The printer displays the message WARMING UP... while it warms up (this usually takes a little longer than a minute). When the printer is ready, it displays the message READY.



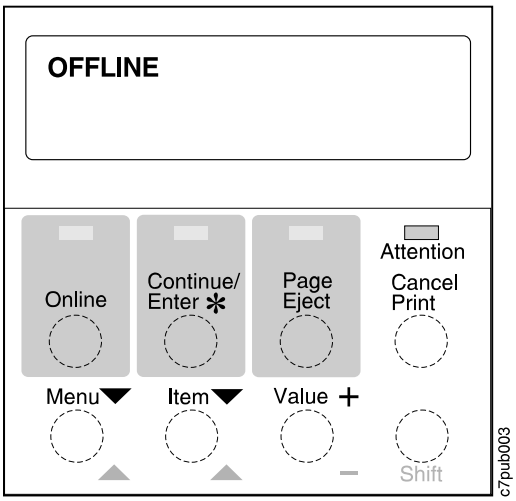
Selecting a Language

Important!

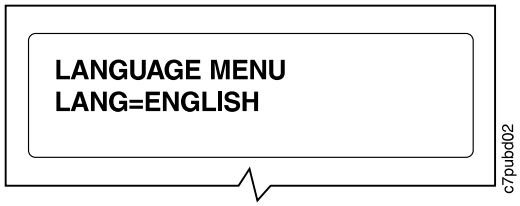
English is the default language for messages and menus. If you use English, you can skip this step and go to “Printing the Printer Configuration Page” on page 18.

To display messages and menus in a language other than English, do the following:

1. Press the **Online** key once; you see OFFLINE in the message display area.



2. Press the **Shift** and the **Menu** key. You see LANGUAGE MENU in the message display area. Then press the **Item** key. You see LANG=ENGLISH.



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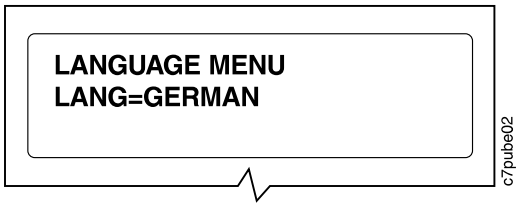
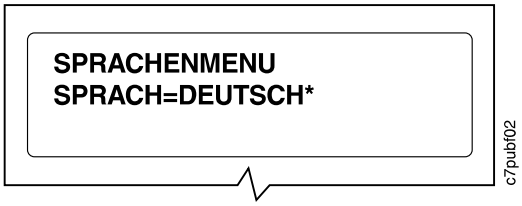
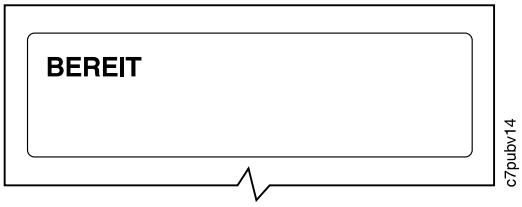
3. Press the **Value** key until you see the language you want to select. In this example, we select GERMAN.



4. To change the value, press the **Continue/Enter** key. An asterisk appears next to the language you select, indicating that it is now active.



5. Press the **Online** key to make the printer ready. You see the READY message in the language you selected.

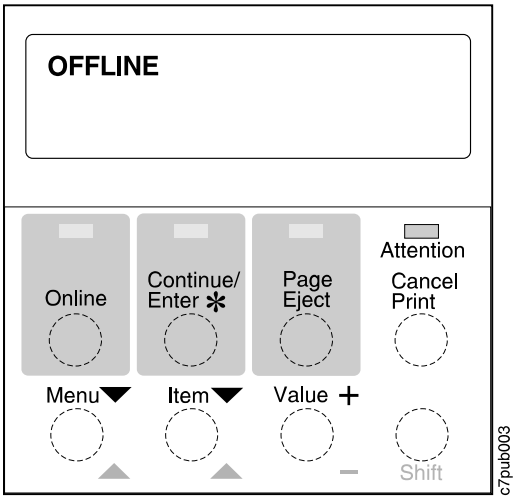


Printing the Printer Configuration Page

Important!

Complete this step to verify that your printer prints. For a complete description of how you can use the printer configuration page to determine what options you have installed and how your printer is configured, see the *IBM Network Printer 12: User's Guide*.

1. On the operator panel, press the **Online** key once; you see OFFLINE in the message display area.



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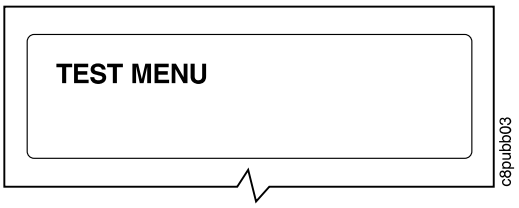
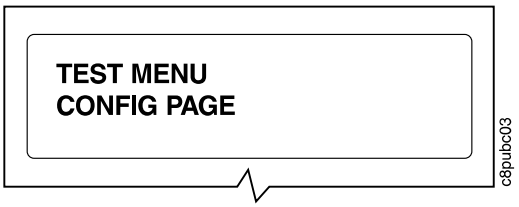
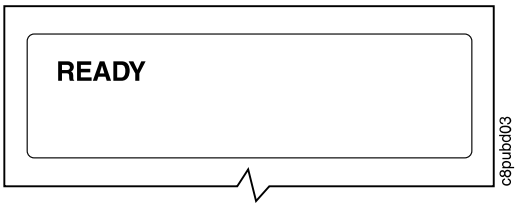
2. Press the **Menu** key. You see TEST MENU in the message display area.



3. Press the **Item** key. You see CONFIG PAGE.



4. Press the **Continue/Enter** key to print the configuration page. (It takes a moment or two.)
5. Press the **Online** key to restore the printer to READY status.



Connecting the Parallel Cable

Important!

You need to supply the parallel cable; it is not included with the Network Printer 12. Properly shielded and grounded cables and connectors (IBM part number 63H3329 or its equivalent) must be used in order to meet FCC emission limits.

To install the serial cable, or any of the following optional network interface cards, refer to the *IBM Network Printer 12: User's Guide*.

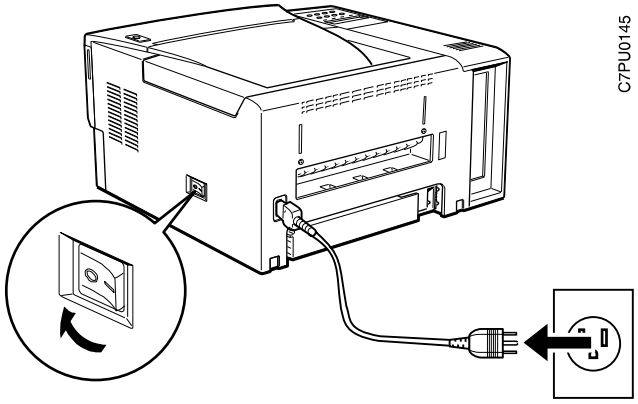
- IBM Network Card for Ethernet (10Base2/10BaseT)
- IBM Network Card for Token Ring
- IBM Twinax SCS Interface
- IBM Coax SCS Interface

DANGER

To avoid personal risk, do not install or configure a communication port during a lightning storm.

To prevent serious injury from electrical shock when connecting or disconnecting the interface cable, power off the printer and unplug the power cord.

1. Turn off the printer and unplug it from the wall.



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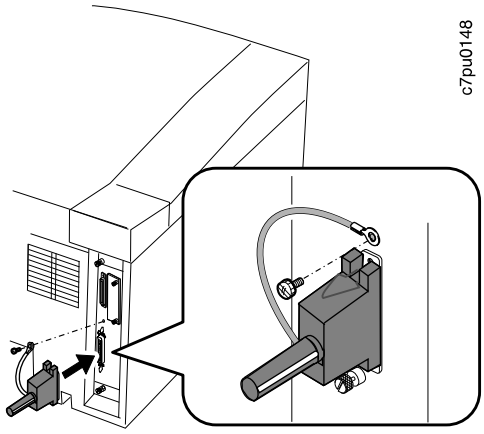
2. Attach the parallel cable to the parallel interface port on the back of the printer. Make sure you attach the grounding strap on the parallel cable to the grounding screw located just above the parallel interface port.



3. Attach the other end of the cable into the parallel interface slot on your PC or workstation.

Installing Printer Drivers

Before you can print from your PC or workstation to your printer, you need to install the right printer driver on your system. The Network Printer 12 includes diskettes which contain PCL5e printer drivers for the following systems:

- Windows 3.1, Windows 3.11, Windows for Workgroups 3.11, Win-OS/2
- Windows 95
- Windows NT 3.51, Windows NT 4.0
- OS/2 2.11, OS/2 Warp
- AIX 3.2.5, AIX 4.1

Notes:

1. For your printer driver to work effectively, you must indicate to your printer driver what features are installed on your printer, for example, what trays are installed, and how much memory is installed. Therefore, after you install a driver, make sure you update it to indicate the features installed on your printer. Also, if you install (or remove) a feature at a later date, make sure you update your printer driver.
2. Each operating system has unique driver installation procedures. For specific installation instructions, see the driver installation documentation for your operating system and the Readme file on the diskette that includes the driver of your choice.
3. Your printer may include additional drivers not included in this list.
4. PostScript drivers are shipped with the optional PostScript feature.
5. Printer drivers are also available as follows:
   a. Access the IBM Printing Systems Home Page at: http://www.can.ibm.com/ibmprinters
   b. Select **Printer Drivers/Product Updates**.
   c. Use the menu selections to find the printer driver you want.

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What To Do Next

Use the following table to help you find information in other documents.

For information about...	See this document...
• Installing optional features (input trays, output bins, the envelope tray, the duplex unit, IPDS and PostScript SIMMs, memory upgrades, network interface cards) • Understanding printer messages • Clearing paper jams • Using the operator panel • Navigating through operator panel menus	*IBM Network Printer 12: User's Guide*
Setting up your printer to use the following cards, including defining network addresses such as the IP address: • IBM Network Card for Ethernet (10Base2/10BaseT) • IBM Network Card for Token Ring	*IBM Network Printers: Ethernet and Token Ring Configuration Guide* (This book is shipped with the Ethernet and token ring cards.)
Setting up your printer to use the following cards: • IBM Twinax SCS Interface • IBM Coax SCS Interface	*IBM Network Printers: Twinax/Coax Configuration Guide* (This book is shipped with the twinax and coax cards.)

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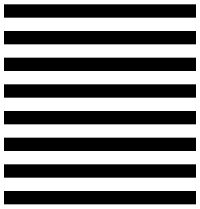

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