



@server

iSeries

5094, 5294, 9094, 8093-001

Dual Line Cord

*Version 5*







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**Note**

Before using this information and the product it supports, be sure to read the information in "Notices," on page 9.

**Fourth Edition (August 2005)**

This edition applies to version 5, release 3, modification 0 of IBM Operating System/400® (product number 5722-SS1) and to all subsequent releases and modifications until otherwise indicated in new editions. This version does not run on all reduced instruction set computer (RISC) models nor does it run on CISC models.

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## 511x dual line cord

This topic contains information on installing or replacing a dual line cord.

Replacing and installing these features are customer tasks. When you use these instructions, you will perform some or all of the following tasks:

- Power off the system unit.
- Open the back cover.
- Replace or install your new hardware.
- Perform an initial program load (IPL) of your operating system.
- Verify your new hardware configuration.

You may need to allow additional time to complete your jobs and back up your system.

You can choose to perform these tasks yourself or contact IBM(R) or an authorized service provider to make arrangements for them to perform the tasks for a fee. Should you encounter difficulties when performing a task, contact your authorized dealer or service provider.

Some of the figures in these instructions may not look exactly like the expansion unit that you have. However, the steps to perform the task are the same.

To install or replace a dual line cord, perform these tasks:

- Perform prerequisite tasks as described in “Before you begin.”
- “Power off the system unit” on page 2.
- Select the instructions for the task you want to perform:
  - “Install dual line cord” on page 4
  - “Replace dual line cord” on page 5

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### Before you begin

Before you begin a replacement or installation task, follow these steps:

- \_\_\_ 1. **For an installation and if possible, for a replacement, ensure that you have a current backup of your system (including operating system, licensed programs, and data).** If you have backed up the operating system and licensed programs since the last time you applied PTFs, that backup is acceptable.
- \_\_\_ 2. Ensure that you take a few minutes to become familiar with these instructions.
- \_\_\_ 3. Ensure that you have access to a medium flat-bladed screwdriver.
- \_\_\_ 4. If there are incorrect, missing, or visibly damaged parts, contact one of the following:
  - Your authorized service provider
  - In the United States: IBM® Rochester Manufacturing Automated Information Line (R-MAIL) at 1-800-300-8751
  - In countries outside of the United States: Use the following Web site to locate your service and support numbers:

<http://www.ibm.com/planetwide>

- \_\_\_ 5. If you are installing new hardware in logical partitions, you need to plan and understand the requirements to be successful. Go to Logical partitions in the *Information Center*. Then return to these instructions.
- \_\_\_ 6. If you encounter difficulties during the procedure, contact your authorized service provider or your authorized dealer.
- \_\_\_ 7. Determine if there are any existing PTF prerequisites before you install your new feature. Go to the following Web site:  
[http://www-912.ibm.com/s\\_dir/slkbases.NSF/slkbases](http://www-912.ibm.com/s_dir/slkbases.NSF/slkbases)
  - a. Select **All Documents**.
  - b. Select **General Information**.
  - c. Select **Offerings**.
  - d. Select **Feature Prerequisites**.
  - e. Select **Customer Installation Features Prerequisites**.
  - f. Locate your feature number and OS/400® release, and check the prerequisites.

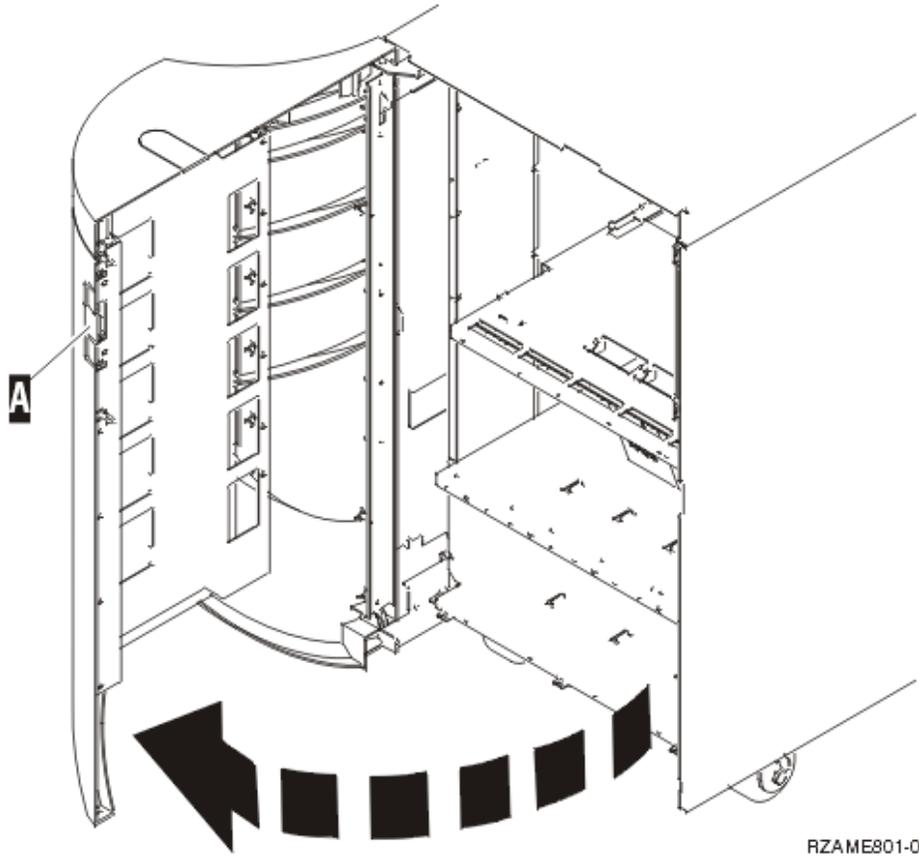
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## Power off the system unit

- \_\_\_ 1. If an Integrated xSeries Adapter (IXA) is present on the system, shut it down using OS/400 options.
- \_\_\_ 2. Ensure that all jobs are complete.
- \_\_\_ 3. When all jobs are complete, type: **pwrdownsys \*immed** on an iSeries command line and press the Enter key.

**Note:** If you encounter difficulties during the installation, contact your dealer or your service provider.

- \_\_\_ 4. When the iSeries is completely powered down, disconnect all PCs from the system unit. Power off all devices, such as printers and displays, that are connected to the system unit.
- \_\_\_ 5. Unplug any power cords, such as printers and displays, from electrical outlets.
- \_\_\_ 6. Unplug the system unit power cords from the electrical outlet.
- \_\_\_ 7. Open the back cover.



- \_\_\_ 8. Remove the access cover.
- \_\_\_ 9. **If possible, use a wrist strap to prevent electrostatic discharge from damaging your hardware.** If you do not have a wrist strap, touch a metal surface of the system or expansion unit before installing or replacing hardware.

If you received the 2209 Disposable Wrist Strap, follow these steps:

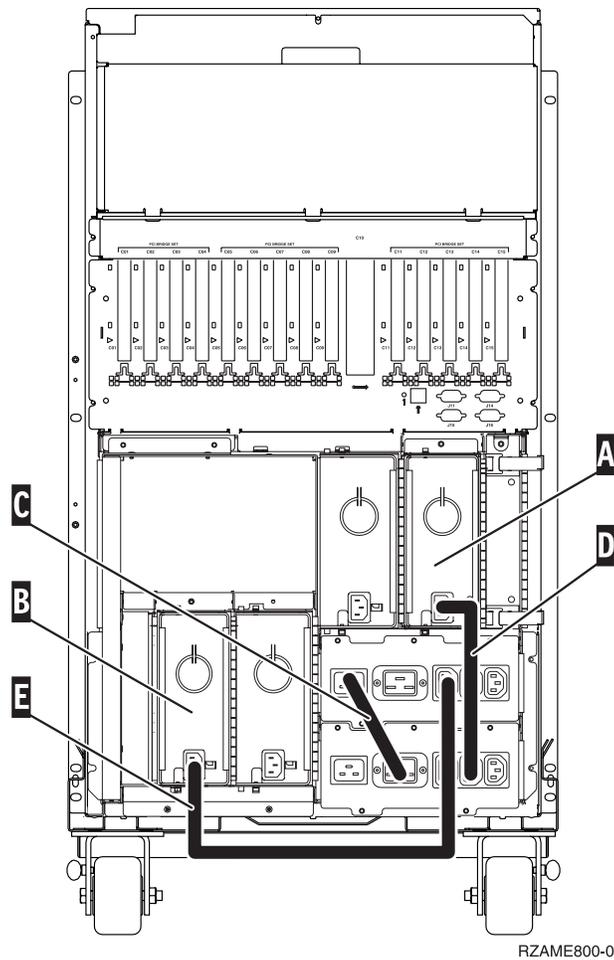
- \_\_\_ a. Attach the disposable wrist strap.  View video.
- \_\_\_ b. When you unroll the strap, remove the liner from the copper foil at the end.
- \_\_\_ c. Attach the adhesive part of the copper foil to an **exposed, unpainted** metal surface on the frame of the unit.

**Note:** Follow the same precautions you would use without the wrist strap. The 2209 Disposable Wrist Strap is for static control. It will not increase or decrease your risk of receiving electric shock when using or working on electrical equipment.

## Install dual line cord

To use the dual line cord feature in your 5094, 5294, 9094, 8094, 04 8093-001 expansion unit, you need to install a power supply and connect jumpers.

- \_\_\_ 1. Is a power supply already in location **A** ?



- \_\_\_ **No:** The new power supply will install in **A** . Continue with the next step.
- \_\_\_ **Yes:** The new power supply will install in **B** . Continue with the next step.
- \_\_\_ 2. Remove the jumper **C** .
- \_\_\_ 3. Remove the plate where you will install the power supply (**A** or **B**).
- \_\_\_ 4. Slide the power supply into the system unit.
- \_\_\_ 5. Tighten the thumbscrews.
- \_\_\_ 6. If you installed the power supply in **A** , connect jumper **D** (part number 04N2181).
- \_\_\_ 7. If you installed the power supply in **B** , connect jumper **E** (part number 04N2181).
- \_\_\_ 8. Plug in the power cords.
- \_\_\_ 9. Plug in the system unit and system unit console. Plug in everything you previously unplugged such as printers and displays.
- \_\_\_ 10. Power on all attached devices, such as printers and displays.
- \_\_\_ 11. Look at the Function/Data display on the control panel.

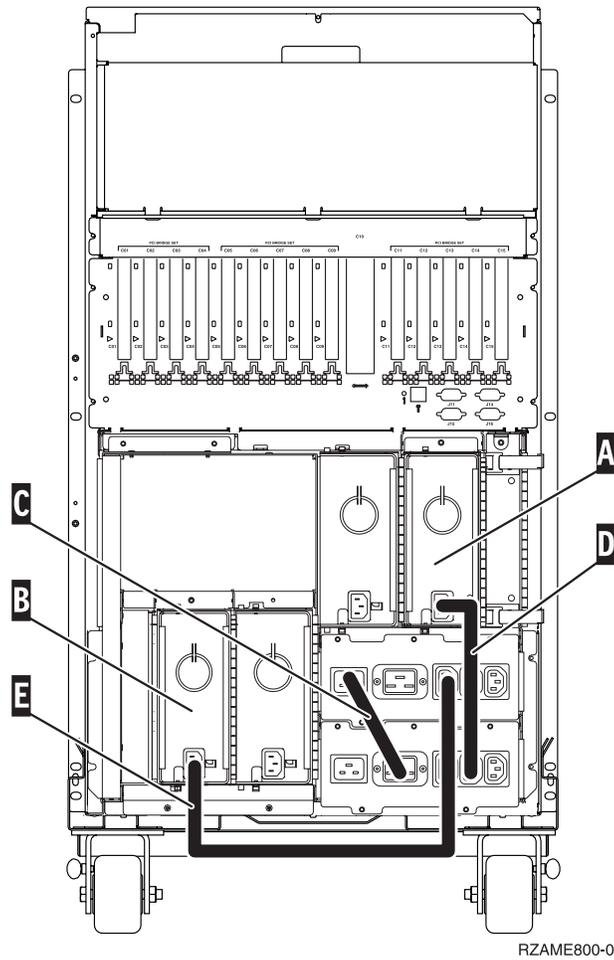
- \_\_ 12. Does **01 B V=S** with Normal indicator (**OK**) illuminated appear in the Function/Data display?
  - \_\_ **Yes:** Continue with the next step.
  - \_\_ **No:** Do the following:
    - \_\_ a. Press the Mode Select button until the Manual indicator (a small hand) is illuminated.
    - \_\_ b. Press the Increment/Decrement push button until **02** appears in the Function/Data display.
    - \_\_ c. Press the Enter push button on the control panel.
    - \_\_ d. Press the Increment/Decrement push button until **B** appears in the Function/Data display.
    - \_\_ e. Press the Enter push button on the control panel.
    - \_\_ f. Press the Increment/Decrement push button until **S** appears in the Function/Data display
    - \_\_ g. Press the Enter push button on the control panel.
    - \_\_ h. Press the Mode Select button until the Normal indicator (**OK**) illuminated.
    - \_\_ i. Press the Increment/Decrement push button until **01** appears in the Function/Data display.
    - \_\_ j. Press the Enter push button on the control panel.  
**01 B S** with Normal indicator (**OK**) illuminated should appear in the Function/Data display. If it does not appear, repeat steps 12a through 12j.
- \_\_ 13. Power on the workstation or PC that is the console for your system.
- \_\_ 14. Press the power button to power on your system unit.
- \_\_ 15. Your feature install is complete

---

## Replace dual line cord

To replace a dual line cord feature in your 5094, 5294, 9094, 8094, or 8093-001 expansion unit, follow these steps:

- \_\_ 1. Locate the dual line cord to be replaced where it is connected to power supply (**A** or **B**).



RZAME800-0

- \_\_\_ 2. Disconnect the dual line cord from the power supply.
- \_\_\_ 3. Connect the new dual line cord to the power supply.
- \_\_\_ 4. Plug in the power cords.
- \_\_\_ 5. Plug in the system unit and system unit console. Plug in everything you previously unplugged such as printers and displays.
- \_\_\_ 6. Power on all attached devices, such as printers and displays.
- \_\_\_ 7. Look at the Function/Data display on the control panel.
- \_\_\_ 8. Does **01 B V=S** with Normal indicator (**OK**) illuminated appear in the Function/Data display?
  - \_\_\_ **Yes:** Continue with the next step.
  - \_\_\_ **No:** Do the following:
    - \_\_\_ a. Press the Mode Select button until the Manual indicator (a small hand) is illuminated.
    - \_\_\_ b. Press the Increment/Decrement push button until **02** appears in the Function/Data display.
    - \_\_\_ c. Press the Enter push button on the control panel.
    - \_\_\_ d. Press the Increment/Decrement push button until **B** appears in the Function/Data display.
    - \_\_\_ e. Press the Enter push button on the control panel.
    - \_\_\_ f. Press the Increment/Decrement push button until **S** appears in the Function/Data display

- \_\_\_ g. Press the Enter push button on the control panel.
- \_\_\_ h. Press the Mode Select button until the Normal indicator (**OK**) illuminated.
- \_\_\_ i. Press the Increment/Decrement push button until **01** appears in the Function/Data display.
- \_\_\_ j. Press the Enter push button on the control panel.  
**01 B S** with Normal indicator (**OK**) illuminated should appear in the Function/Data display. If it does not appear, repeat steps 8a on page 6 through 8j.
- \_\_\_ 9. Power on the workstation or PC that is the console for your system.
- \_\_\_ 10. Press the power button to power on your system unit.
- \_\_\_ 11. The replacement procedure is complete



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This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

International Business Machines Corporation  
New Orchard Road  
Armonk, NY 10504

Telephone: 1-919-543-2193

### Industry Canada Compliance Statement

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

## Avis de conformité à la réglementation d'Industrie Canada

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

## European Community Compliance Statement

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## Australia and New Zealand Class A statement

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The following is a summary of the VCCI Japanese statement in the box above.

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Per GB 9254-1998, the user manual for a Class A product must carry the following warning message (English translation from the Chinese standard) about use in a residential environment in Chinese (*Simplified Chinese*):

**声 明**

此为 A 级产品, 在生活环境中,  
该产品可能会造成无线电干扰。  
在这种情况下, 可能需要用户对其  
干扰采取切实可行的措施。

Declaration: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may need to perform practical action.

## Electromagnetic Interference (EMI) Statement - Taiwan

**警告使用者：**  
這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

The following is a summary of the EMI Taiwan statement above.

Warning: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user will be required to take adequate measures.

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Dieses Gerät ist berechtigt in Übereinstimmung mit Dem deutschen EMVG vom 9.Nov.92 das EG-Konformitätszeichen zu führen.

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(Auszug aus dem EMVG vom 9.Nov.92, Para.3, Abs.4)

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### **Federal Communications Commission (FCC) statement**

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an IBM authorized dealer or service representative for help.

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interferences, and (2) this device must accept any interferences received, including interference that may cause undesired operation.

Responsible Party:

International Business Machines Corporation  
New Orchard Road  
Armonk, NY 10504

Telephone: 1-919-543-2193

#### **Industry Canada Compliance Statement**

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#### **Avis de conformité à la réglementation d'Industrie Canada**

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