IBM

iSeries 270, 800, 810, 820 or 825

Removable Media Device

Version 5

IBM

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Removable Media Device

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> **Note**
>
> Before using this information and the product it supports, be sure to read the information in
> "Notices," on page 37.

Contents

Chapter 1. Removable media device

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

- Perform prerequisite tasks.
- Power down the system unit.
- Remove the system unit covers.
- Remove hardware.
- Install new hardware.
- Install covers.
- IPL your operating system.
- Verify your new hardware configuration.

It will take approximately one hour to perform these tasks. You may need to allow additional time to complete your jobs, back up your system, IPL your system, and verify your hardware configuration.

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.

Select the instructions for the task you want to perform:

- Chapter 3, "Replace removable media devices in iSeries 270, 800, 810, or 820," on page 5
- Chapter 5, "Replace removable media devices in iSeries 825," on page 13
- Chapter 7, "Replace concurrent removable media backplane," on page 25
- Chapter 4, "Install removable media devices in iSeries 270, 800, 810, or 820," on page 7
- Chapter 6, "Install removable media devices in iSeries 825," on page 19
- Chapter 8, "Install concurrent removable media backplane," on page 27

Chapter 2. 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/slkbase.NSF/slkbase`

   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.

Chapter 3. Replace removable media devices in iSeries 270, 800, 810, or 820

To replace a removable media device, perform these tasks:

__ 1. Perform prerequisite tasks as described in Chapter 2, "Before you begin," on page 3.

__ 2. "Power down the system unit" on page 31.

__ 3. Remove the "Unit Covers" on page 33.

__ 4. **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.

__ 5. Locate the removable media device to be replaced.

__ 6. Disconnect the signal (larger connector) and power (smaller connector) cables from the back of the device. Access to these connectors is from the side of the system unit.

__ 7. Pull the two latches that secure the device to the system unit frame forward until they stop.

RZAME762-0

__ 8. Remove the device by sliding it forward and out of the system unit. You may need to remove the filler blank above the control panel.

__ 9. Place the device in a static protective bag.

__ 10. Follow the steps in "Details: Install removable media devices in iSeries 270, 800, 810, or 820" on page 7 to install the new device.

Chapter 4. Install removable media devices in iSeries 270, 800, 810, or 820

To install the removable media device, perform these tasks:
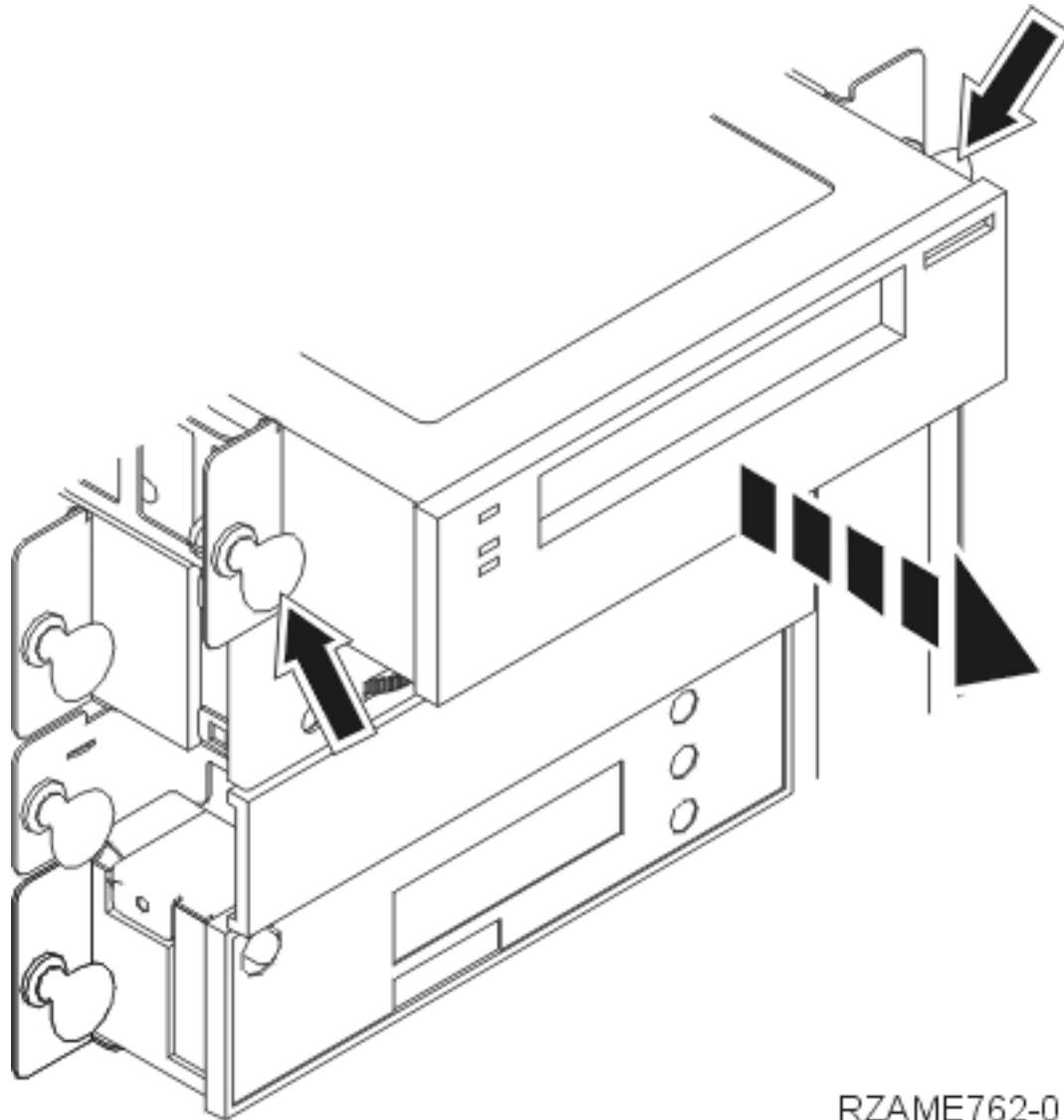
__ 1. Perform prerequisite tasks as described in Chapter 2, "Before you begin," on page 3.

__ 2. "Power down the system unit" on page 31.

__ 3. **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.

__ 4. Remove the unit covers. Refer to "Unit Covers" on page 33.

__ 5. Remove the blank from the system unit.

__ 6. Follow the steps in "Details: Install removable media devices in iSeries 270, 800, 810, or 820" to install the new device.

Details: Install removable media devices in iSeries 270, 800, 810, or 820

To install a removable media device, perform these tasks:

Note: The figures in these instructions may not look exactly like the server that you have. However, the steps to perform the task are the same.

__ 1. Find the package that contains the new removable media device and remove it from the package.

__ 2. Is the device you are installing an optical device?

   __   **Yes**: Continue with the next step.

   __   **No**: Go to step 4 on page 8.

__ 3. Refer to the following figures to place the optical device unit address jumpers
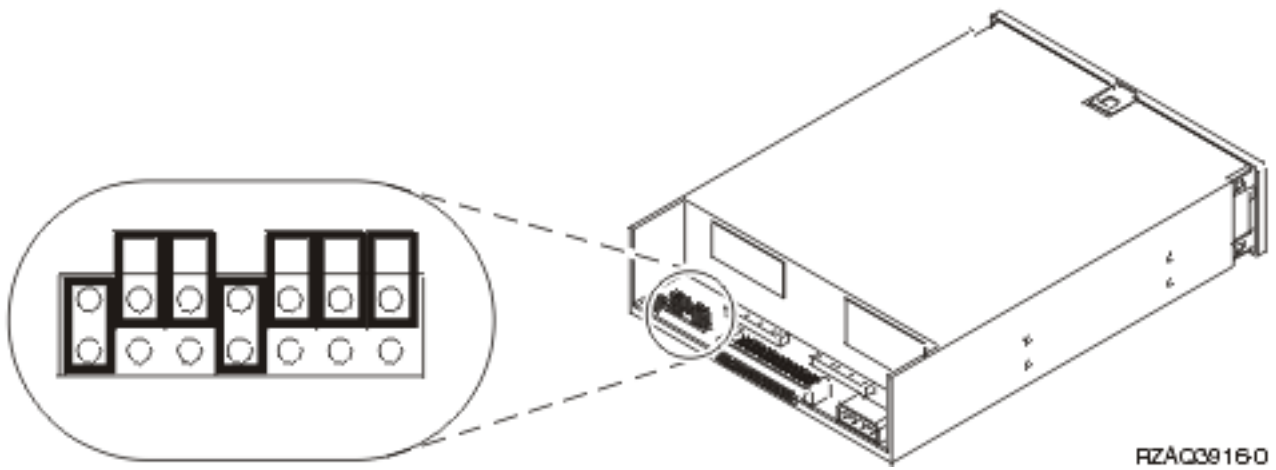
Figure 1. 6321 CD-ROM optical unit jumpers for location D07 (Models 270, 800 and 810) and D13 (Model 820)
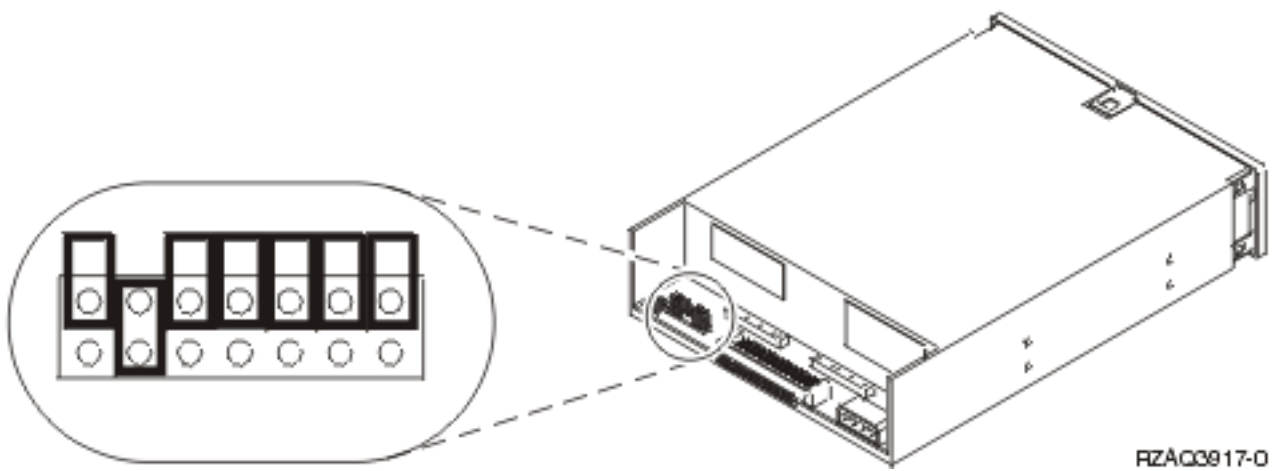
Figure 2. 6330 DVD-RAM optical unit jumpers for location D07 (Models 270, 800 and 810) and D13 (Model 820)
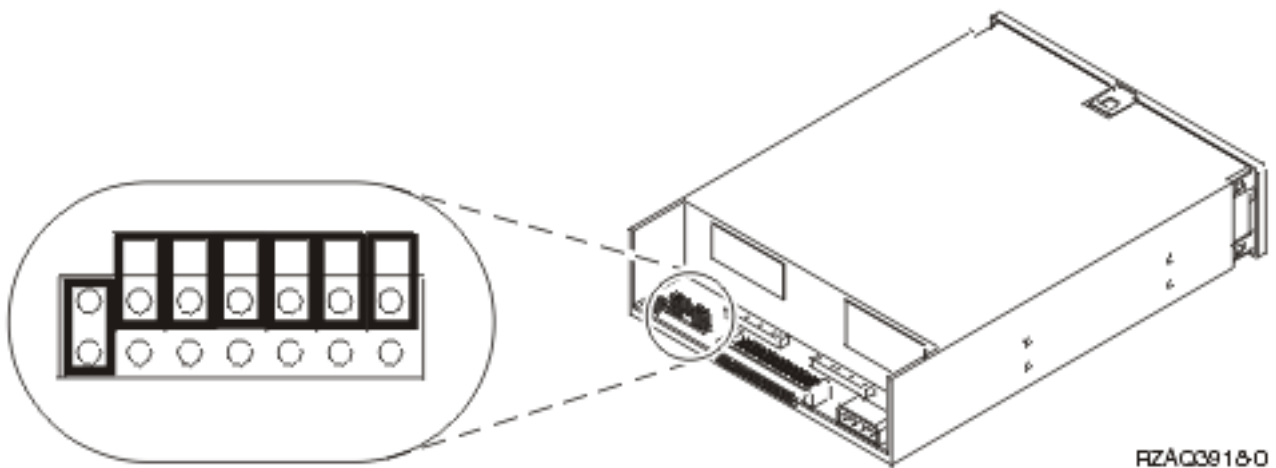
Figure 3. DVD-ROM optical unit jumpers for location D07 (Models 270, 800 and 810) and D13 (Model 820)

__ 4. Align the device and slide it into the front of the system unit (Figure 4 on page 9) until the device is flush against the frame of your system unit.

___ 5. Push in the blue latches to secure the device to your system unit.

___ 6. Plug the power cable into the smaller connector on the back of the removable media device.

___ 7. If you are not replacing an existing removable media device, you need to remove the tape from the end of the cable.

___ 8. Plug the signal cable into the larger connector on the back of the removable media device.
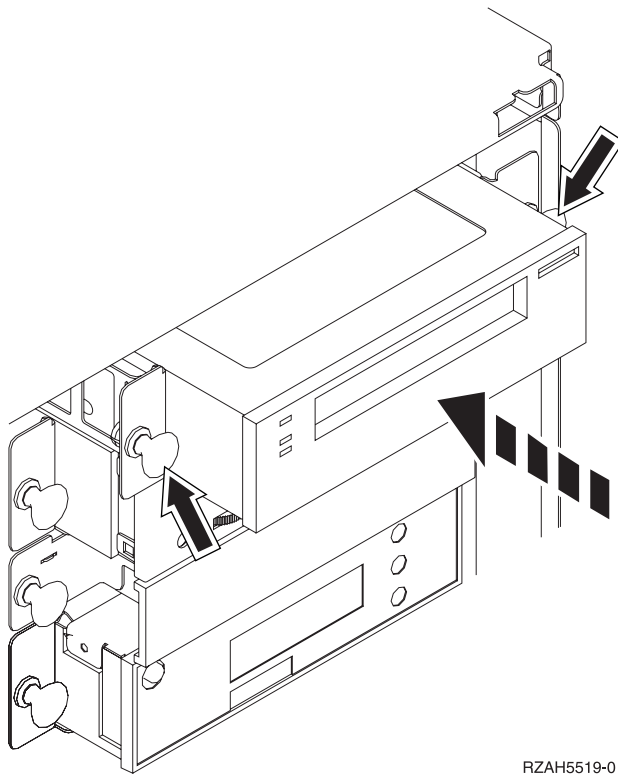
RZAH5519-0

Figure 4. Installing the removable media device

___ 9. Do you have another removable media device to install?

    ___ **No**: Continue with the next step.

    ___ **Yes**: Repeat this procedure.

___ 10. Do you have any other adapter cards or devices to install?

    ___ **No**: Continue with the next step.

    ___ **Yes**: If you have another device such as a disk unit, an adapter card, or a memory card to install, go to the instructions that came with that device.

___ 11. Go to "Completing the installation."

Completing the installation

___ 1. Install the system unit side cover by aligning the tabs on the top and bottom edge. Press forward and make sure that all tabs enter the slots. Slide the cover toward the front of the system unit until it stops and tighten the screws.

___ 2. Install the system unit covers.

__ 3. **DANGER**

> **An electrical outlet that is not correctly wired could place hazardous voltage on metal parts of the system or the products that attach to the system. It is the customer's responsibility to ensure that the outlet is correctly wired and grounded to prevent an electrical shock. (RSFTD201)**

Plug the following power cords into an electrical outlet.
- System unit
- System unit console

__ 4. Plug in and power on all attached devices, such as printers and displays.

__ 5. Is your unit a 270, 800, 810, or 820?

 __ **270, 800, or 810**: Continue with the next step.

 __ **820**: Go to step 8.

__ 6. Look at the Function/Data display on the control panel.

__ 7. Does **01 B N V=S** appear in the Function/Data display?

 __ **Yes**: Go to step 10 on page 11.

 __ **No**: Do the following:

 __ a. Press the Increment/Decrement push button until **02** appears in the Function/Data display.

 __ b. Press the Enter push button on the control panel.

 __ c. Press the Increment/Decrement push button until **B** appears in the Function/Data display.

 __ d. Press the Enter push button on the control panel.

 __ e. Press the Increment/Decrement push button until **N** appears in the Function/Data display.

 __ f. Press the Enter push button on the control panel.

 __ g. Press the Increment/Decrement push button until **S** appears in the Function/Data display.

 __ h. Press the Enter push button on the control panel.

 __ 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 N S should appear in the Function/Data display. If it does not, repeat steps 7a through 7i.

 __ k. Go to step 10 on page 11.

__ 8. Look at the Function/Data display on the control panel.

__ 9. 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 mode indicator (a small hand) 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**) is illuminated.

__ i. Press the Enter push button on the control panel.

__ j. Press the Increment/Decrement push button until **01** appears in the Function/Data display.

__ k. Press the Enter push button on the control panel.

01 B S with Normal indicator (**OK**) illuminated appear in the Function/Data display. If it does not appear, repeat steps 9a on page 10 through 9j.

__ l. Go to step 10.

__ 10. Power on the workstation or PC that is your console.

__ 11. Press the system-unit power-on button. The power-on light will appear.

> **Note:** There is an approximately 10-second delay before the power on. The system takes approximately 5 to 20 minutes to power on and complete an IPL.

__ 12. Sign on the system unit. Ensure that you have service tools authority.

__ 13. Do the following to verify your removable media device you just installed:

__ a. You need to sign on with service authority.

__ b. Type **strsst** on the *Main Menu* command line.

Press Enter.

__ c. Type **your service tools user ID and service tools password** on the *System Service Tools (SST) Sign On* display.

Press Enter.

__ d. Select **Start a service tool** on the *System Service Tools (SST)* display.

Press Enter.

__ e. Select **Hardware service manager** on the *Start a Service Tool* display.

Press Enter.

__ f. Press F6 (Print the configuration) from the *Hardware Service Manager* display.

__ g. **Select Packaging hardware resources (systems, frames, cards, ...)** from the *Hardware Service Manager* display.

Press Enter.

__ h. Type **9** (Hardware contained within package) in the *Opt* column next to the system or expansion unit on the *Packaging Hardware Resources* display.

Press Enter.

__ i. Scroll up or down until the removable media device you installed is shown.

__ j. To return to the *Main Menu*, press F3 (Exit) three times and then press Enter.

__ k. Place the configuration list where you can refer to it in the future.

__ 14. For information on how to make your removable media device operational, go to the Work with storage topic in the *Information Center*.

__ 15. Your feature installation is complete.

Chapter 5. Replace removable media devices in iSeries 825

To replace a removable media device, perform these tasks:

__ 1. Perform prerequisite tasks as described in Chapter 2, "Before you begin," on page 3.

__ 2. Remove the front cover.

RZAME900-0
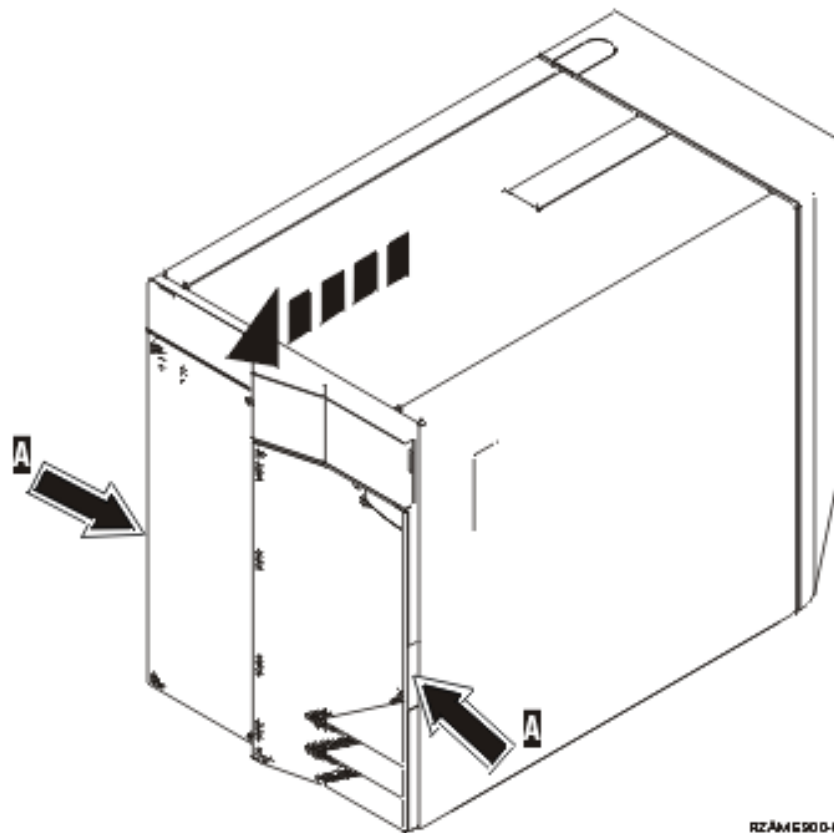
Your system can either be powered off (nonconcurrent) or powered on (concurrent) when you replace a removable media device. Select the preferred procedure from the following:

- "Replace removable media devices with 825 powered on"
- "Replace removable media devices with 825 powered off" on page 15

Replace removable media devices with 825 powered on

Be sure you understand the steps in this procedure before you begin. If you do not feel comfortable using the concurrent procedure, go to "Replace removable media devices with 825 powered off" on page 15.

Attention: Failure to follow these instructions could result in damage to the removable media device or to the system unit and could result in loss of data.

To perform the concurrent replacement procedure, follow these steps:

1. **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.

2. Locate the device you want to replace on the front of the system unit.

RZAME779-0
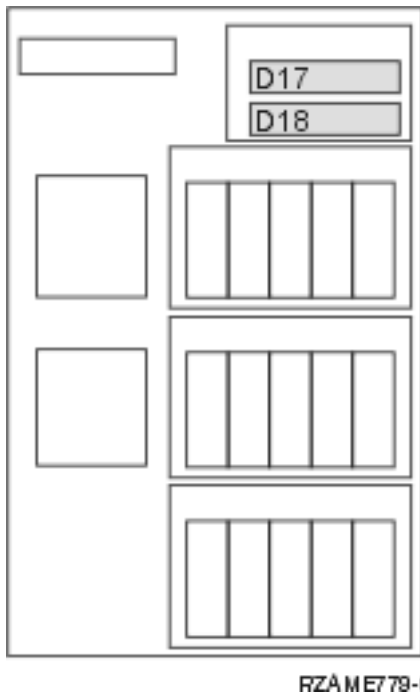
3. If you have not done so already, sign on with **service tools authority**.
4. On an iSeries command line, type: **strsst**. Press Enter.
5. Type **your service tools user ID and service tools password** on the *System Service Tools (SST) Sign On* display. Press Enter.
6. When the *System Service Tools (SST)* display appears, select the **Start a service tool** option.

   Press the Enter key.
7. When the *Start a Service Tool* menu appears, select the **Hardware service manager** option.

   Press the Enter key.
8. At the *Hardware Service Manager* display, select the **Device Concurrent Maintenance** option.

   Press the Enter key.
9. At the *Specify either Physical Location or Resource Name* field, type:
   a. The number 1 for Frame ID.
   b. The physical location (D17 is the upper location and D18 is the lower location).
10. Select option **1** (Remove device) for the action to be performed.
11. Set the time delay for one minute—01. (Do not press Enter at this time.)

12. When the light begins to blink rapidly, you will have nine seconds to remove the device.

13. Press Enter on the console.

14. When the light starts blinking, after the one minute delay, squeeze and pull both handles on both sides of the device toward you.
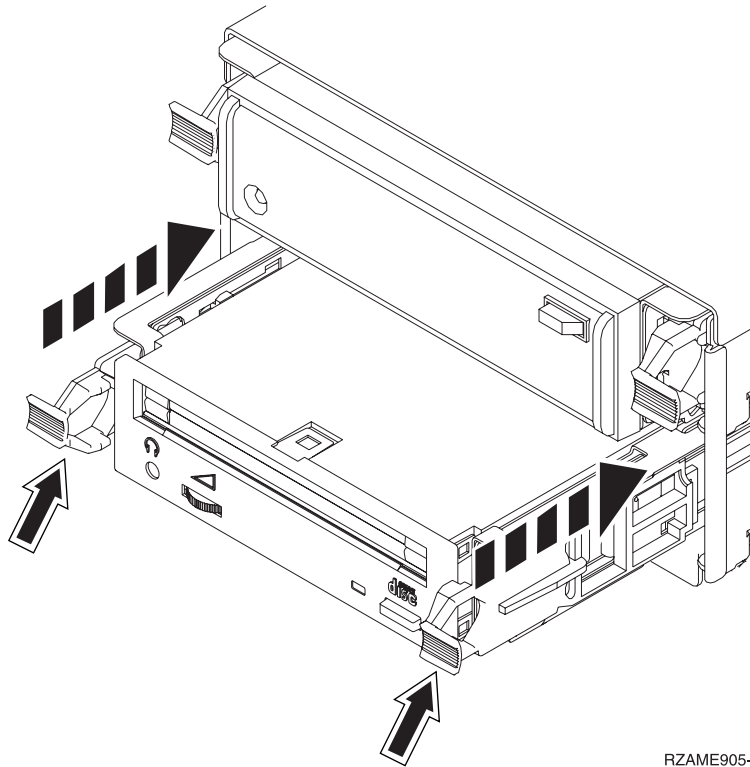
RZAME905-0

15. Slide the device out.

   Note: Do not hold the device by the handles.

16. The light will stop blinking and remain off when the device is removed.

17. Return to the console and wait until the *Concurrent Maintenance Results* display appears.

   Press **F12**.

18. Follow the steps in "Details: Install removable media devices with 825 powered on" on page 20 to install the new device.

Replace removable media devices with 825 powered off

__ 1. If you have installed logical partitions on your system unit, refer to the *iSeries Information Center*. Go to Manage logical partitions in the *iSeries Information Center* to find instructions on powering down a system with logical partitions.

__ 2. "Power down the system unit" on page 31.

__ 3. **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.

__ 4. Locate the device you want to replace on the front of the system unit.
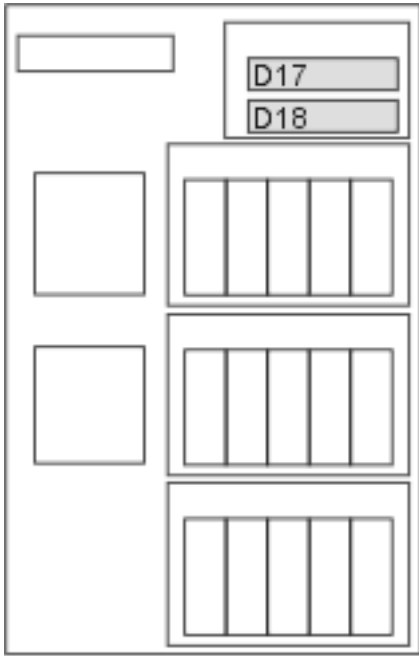
RZAME779-0

__ 5. Pull both handles on both sides of the device toward you.
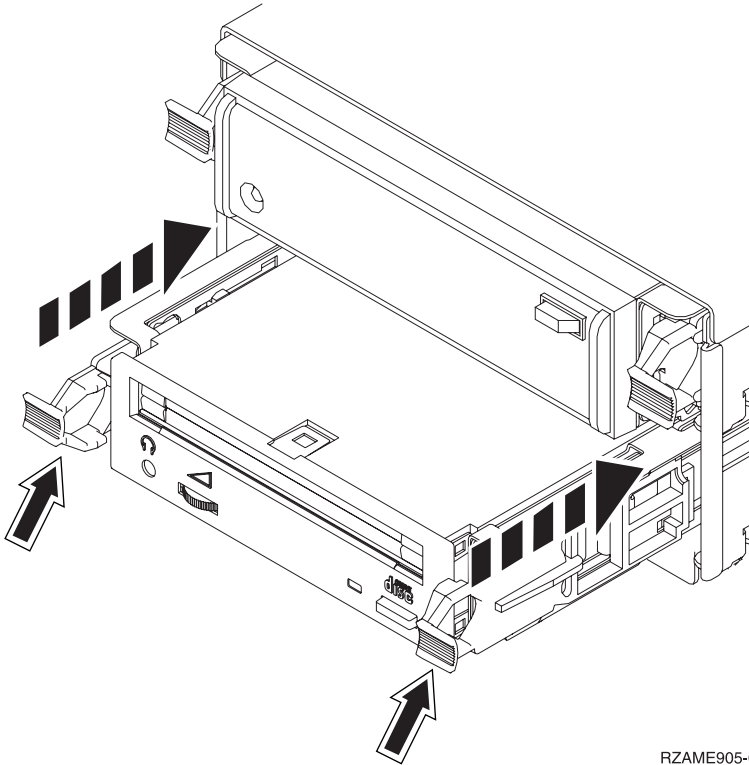
RZAME905-0

__ 6. Slide the device out.

Note: Do not hold the device by the handles.

__ 7. Follow the instructions in "Details: Install removable media devices with 825 power off" on page 22 to install the new removable media device.

Chapter 6. Install removable media devices in iSeries 825

To install a removable media device, perform these tasks:

Note: The figures in these instructions may not look exactly like the server that you have. However, the steps to perform the task are the same.

__ 1. Perform prerequisite tasks as described in Chapter 2, "Before you begin," on page 3.

__ 2. Remove the front cover.

RZAME900-0

__ 3. **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.

__ 4. Pull out the removable media filler bezel from the location in which you are installing the new device. View video.

This procedure gives you the steps you need to install removable media devices in your 825 system. Your system can either be powered off (nonconcurrent) or powered on (concurrent) when you install the removable media device.

Select the preferred procedure from the following:
- "Install removable media devices with 825 power on"
- "Install removable media devices with 825 powered off" on page 22

Install removable media devices with 825 power on

Be sure you understand the steps in this procedure before you begin. If you do not feel comfortable using the concurrent procedure, go to "Install removable media devices with 825 powered off" on page 22.

Attention: Failure to follow these instructions could result in damage to the removable media device or to the system unit and could result in loss of data.

To perform the concurrent installation, follow these steps:

Note: The figures in these instructions may not look exactly like the server that you have. However, the steps to perform the task are the same.
1. "Prepare to install a removable media device."
2. "Details: Install removable media devices with 825 powered on."

Prepare to install a removable media device

To prepare your system for the concurrent procedure, follow these steps:
__ 1. If you have not done so already, sign on with **service tools authority**.
__ 2. On an iSeries command line, type: **strsst**. Press Enter.
__ 3. Type **your service tools user ID and service tools password** on the *System Service Tools (SST) Sign On* display. Press Enter.
__ 4. When the *System Service Tools (SST)* display appears, select the **Start a service tool** option. Press the Enter key.
__ 5. When the *Start a Service Tool* menu appears, select the **Hardware service manager** option. Press the Enter key.
__ 6. At the *Hardware Service Manager* display, select the **Device Concurrent Maintenance** option. Press the Enter key.
__ 7. At the *Specify either Physical Location or Resource Name* field, type:
   a. The number 1 for Frame ID.
   b. The physical location (D17 is the upper location and D18 is the lower location).

Details: Install removable media devices with 825 powered on

To install the removable media device, follow these steps:
__ 1. Find the package that contains the new removable media device and remove it from the static-protective package.
   Attention: Removable media devices are fragile. Handle with care.
__ 2. Pull the handles out toward you before you install the removable media device into the system or expansion unit.

___ 3. Hold the device with the button in the upper right for tape units or lower right for CD-ROMs.

___ 4. Refer to Figure 5 and support the bottom of the removable media device as you slide it half way into the selected position. Do not push it any further.

___ 5. At the *Specify action as* field, select option **Install device**.

___ 6. At the *Enter a time value between 00 and 19* field, type **01** for one minute.

___ 7. Press the Enter key.

> **Note:** Watch the light on the right side of the removable media devices. When the light comes on and begins to blink rapidly, you have nine seconds to slide the removable media device into place.

___ 8. When the light starts blinking, slide the removable media device in until it seats properly. Push both handles in at the same time to lock the removable media device into place.
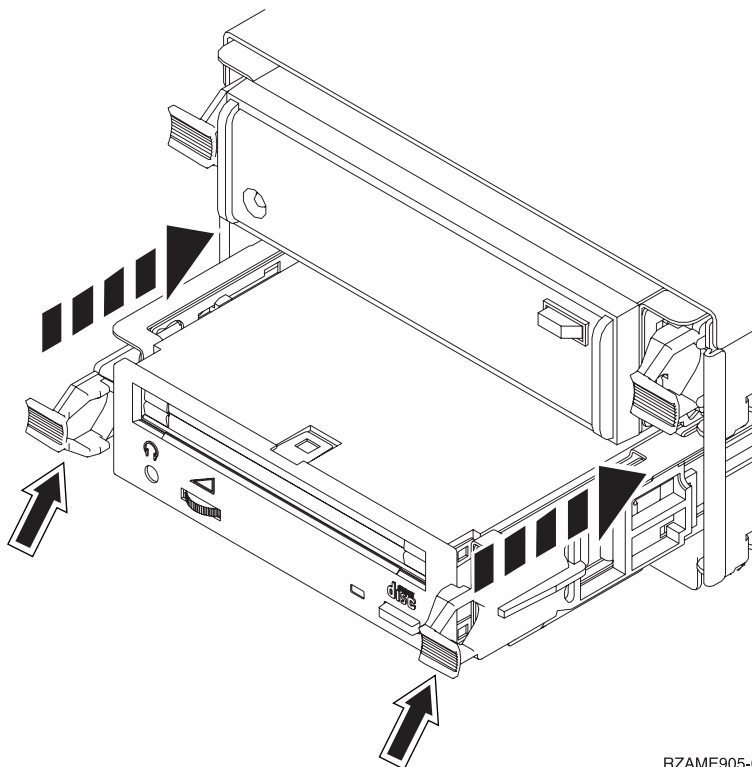
RZAME905-0

Figure 5. Installing removable media device

___ 9. The green light will stop blinking and remain on solid when you properly installed the removable media device.

___ 10. Return to the console and wait until the *Concurrent Maintenance Results* display appears.

Press the Enter key.

___ 11. When the *Hardware Service Manager* menu appears, select the **Packaging hardware resources (system, frames, cards...)** option.

Press the Enter key.

___ 12. On the *Packaging Hardware Resources* menu, enter a **9** in the *Opt* column next to the unit with the new removable media device.

Press the Enter key.

___ 13. The *Description* and *Device Type-Model* will be displayed along with the position where your new removable media device was installed.

___ 14. Press **F3** once to return to the *Hardware Service Manager* display.

__ 15. At the *Hardware Service Manager* display, press **F6** to print the configuration list if you have a printer. You or a service representative may refer to the configuration list in the future.

__ 16. Install the front cover.

> **DANGER**
>
> **An electrical outlet that is not correctly wired could place hazardous voltage on metal parts of the system or the products that attach to the system. It is the customer's responsibility to ensure that the outlet is correctly wired and grounded to prevent an electrical shock. (RSFTD201)**

__ 17. Press **F12** twice and press the Enter key to return to the Main menu.

__ 18. Your feature installation is complete.

Install removable media devices with 825 powered off

To install the removable media device, follow these steps:

__ 1. If you have installed logical partitions on your system unit, refer to the *iSeries Information Center*. Go to Manage logical partitions in the *iSeries Information Center* to find instructions on powering down a system with logical partitions.

__ 2. "Power down the system unit" on page 31.

__ 3. **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.

__ 4. "Details: Install removable media devices with 825 power off."

Details: Install removable media devices with 825 power off

To install a removable media device, follow these steps:

__ 1. Find the package that contains the new removable media device and remove it from the static-protective package.

Attention: Removable media devices are fragile. Handle with care.

__ 2. Hold the device upright and pull both handles on both sides of the device toward you.

__ 3. Hold the device with the button in the upper right for tape units or lower right for CD-ROMs.

Do not hold the device by the handles. View video.

__ 4. Refer to Figure 6 on page 23 and align the device with the empty position.

__ 5. Slide it into the unit until it stops.

__ 6. Push both handles in at the same time to lock the removable media device into place.
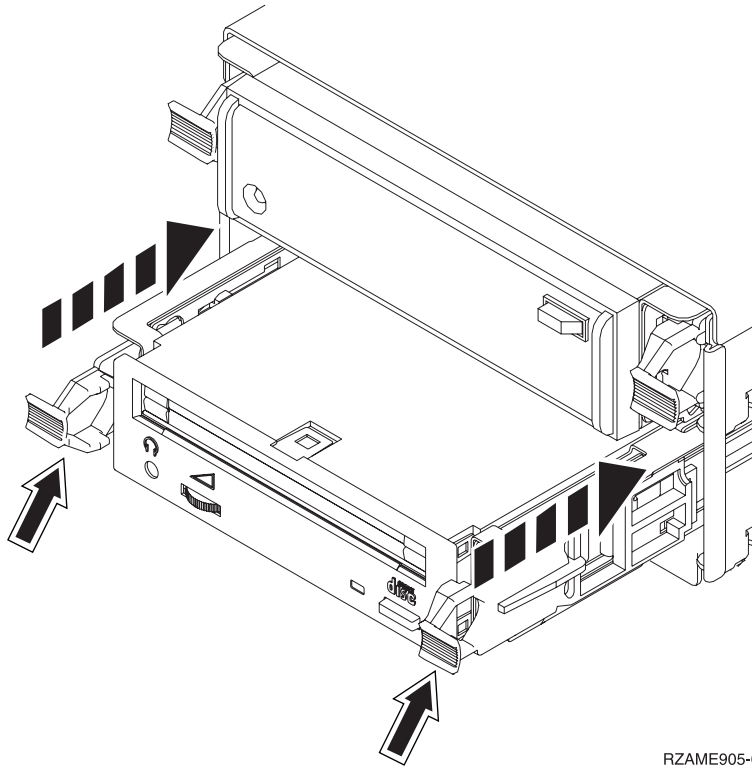
RZAME905-0

Figure 6. Installing the removable media device

__ 7. Install the front cover.

DANGER

> **An electrical outlet that is not correctly wired could place hazardous voltage on metal parts of the system or the products that attach to the system. It is the customer's responsibility to ensure that the outlet is correctly wired and grounded to prevent an electrical shock. (RSFTD201)**

__ 8. Plug in the system unit and system unit console. Plug in everything you previously unplugged such as printers and displays.

__ 9. Power on all attached devices, such as printers and displays.

__ 10. Look at the Function/Data display on the control panel.

__ 11. 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

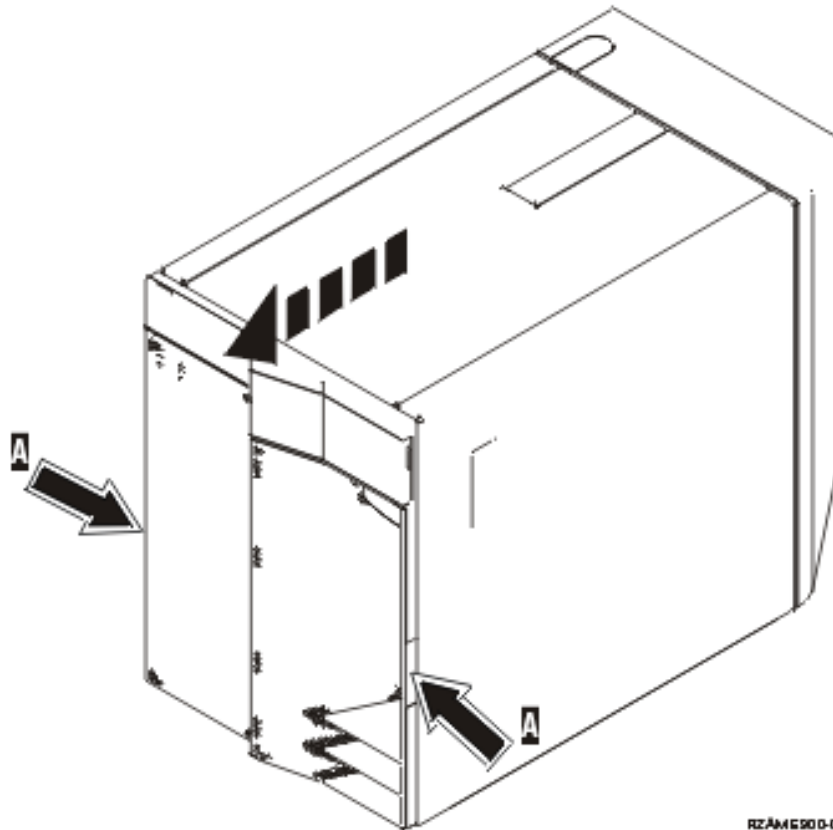   __ g. Press the Enter push button on the control panel.

  __ 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 11a on page 23 through 11j.

__ 12. Power on the workstation or PC that is the console for your system.

__ 13. Press the power button to power on your system unit.

__ 14. Sign on the system unit. Ensure that you have service tools authority.

__ 15. Do the following to verify your removable media device configuration:

  __ a. On a command line, type: **strsst**. Press the Enter key.

  __ b. Type **your service tools user ID and service tools password** on the *System Service Tools (SST) Sign On* display.

  __ c. When the *System Service Tools (SST)* display appears, select the **Start a service tool** option.

    Press the Enter key.

  __ d. When the *Start a Service Tool* display appears, select the **Hardware service manager** option.

    Press the Enter key.

  __ e. When the *Hardware Service Manager* display appears, select the **Packaging hardware resources (system, frames, cards...)** option.

    Press the Enter key.

  __ f. On the *Packaging Hardware Resources* display, enter a **9** in the *Opt* column next to the unit with the new removable media device.

  __ g. The *Description* and *Device Type-Model* will be displayed along with the position where your new removable media device was installed.

  __ h. Press **F3** once to return to the *Hardware Service Manager* display.

  __ i. At the *Hardware Service Manager* display, press **F6** to print the configuration list if you have a printer. You or a service representative may refer to the configuration list in the future.

  __ j. Press **F12** twice and press the Enter key to return to the Main Menu.

  __ k. Your feature install is complete.

Chapter 7. Replace concurrent removable media backplane

To replace feature 5306 concurrent removable media backplane, follow these steps:

__ 1. Perform prerequisite tasks as described in Chapter 2, "Before you begin," on page 3.

__ 2. "Power down the system unit" on page 31.

__ 3. Remove the front cover.

__ 4. **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.

__ 5. Remove the media devices from the unit.

__ 6. Remove the screws **A** .

A

RZAME908-0

__ 7. Slowly slide the removable media enclosure from the system.

__ 8. Disconnect the signal and power cables from the back of the removable media enclosure.

__ 9. Follow the steps in "Details: Install concurrent removable media backplane" on page 28 to install the removable media backplane.

Chapter 8. Install concurrent removable media backplane

To install feature 5306 concurrent removable media backplane, follow these steps:

__ 1. Perform prerequisite tasks as described in Chapter 2, "Before you begin," on page 3.

__ 2. "Power down the system unit" on page 31.

> **Note:** Should you encounter difficulties during the installation, contact your authorized dealer or service provider.
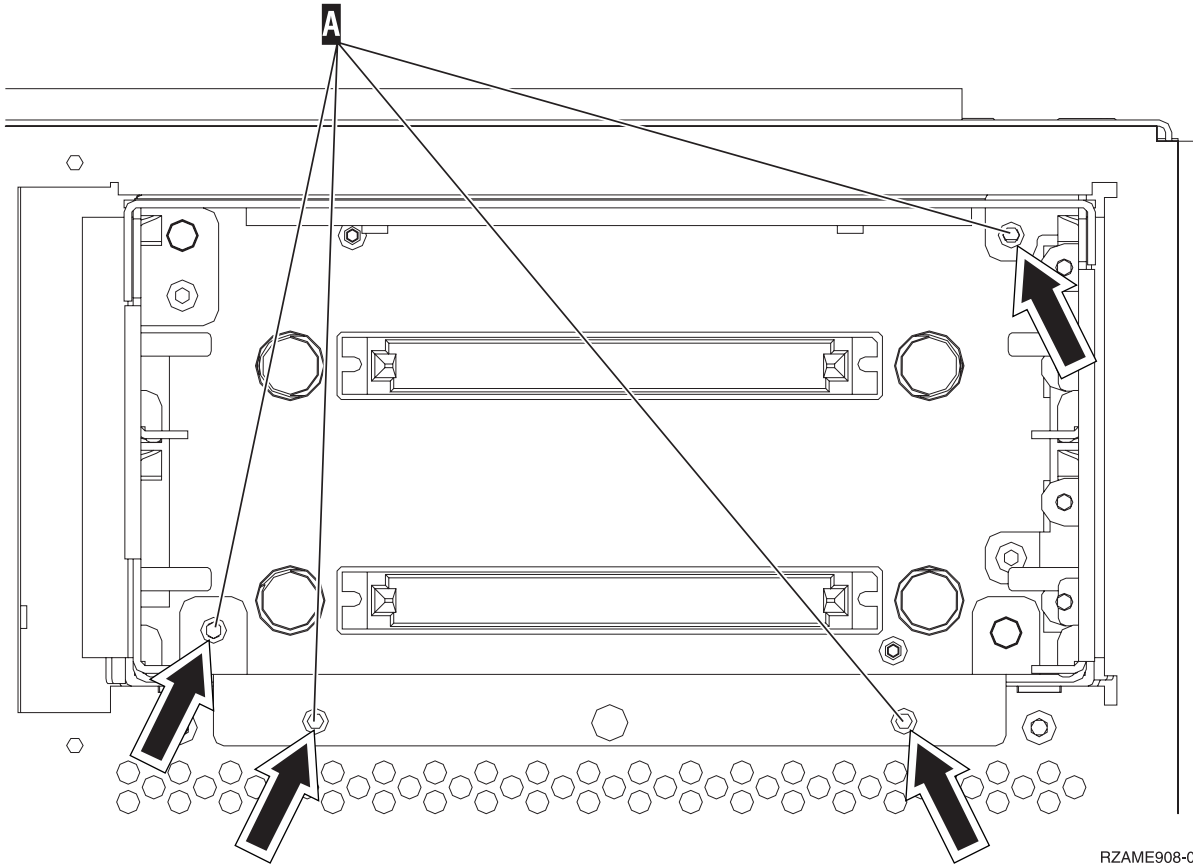
__ 3. Remove the front cover.

RZÄ ME900-0

__ 4. **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.

__ 5. Remove the media devices from the unit.

__ 6. Remove the screws **A** .

RZAME908-0

__ 7. Slowly slide the removable media enclosure from the system.

__ 8. Disconnect the signal and power cables from the back of the removable media enclosure.

__ 9. Follow the steps in "Details: Install concurrent removable media backplane" to install the removable media backplane.
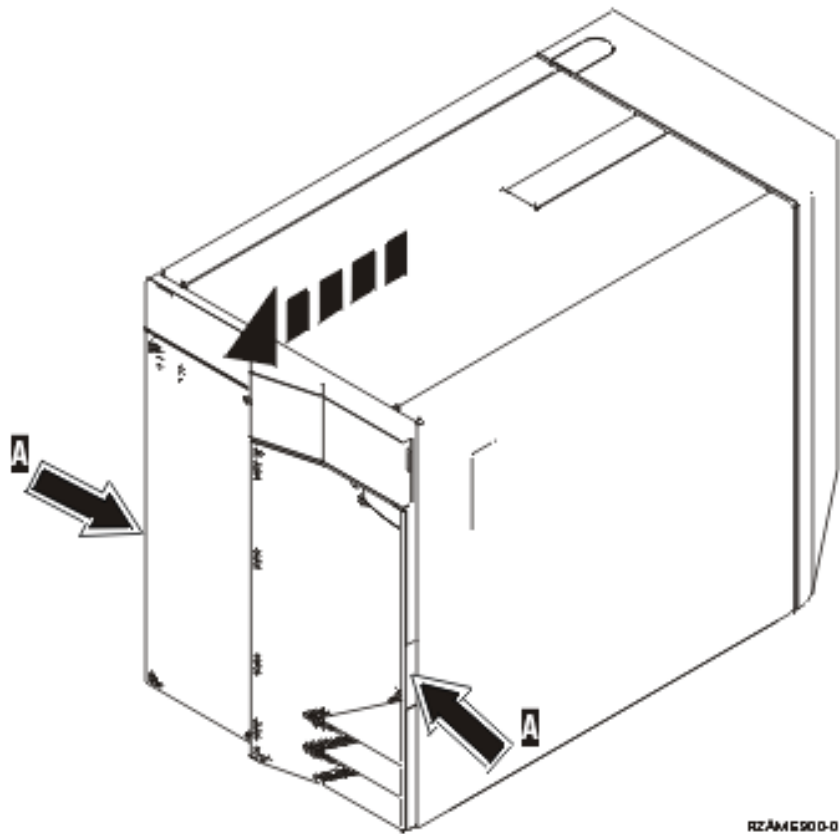
Details: Install concurrent removable media backplane

To install feature 5306 concurrent removable media backplane, follow these steps:

Note: The figures in these instructions may not look exactly like the server that you have. However, the steps to perform the task are the same.

__ 1. Find the package that contains the new removable media enclosure and remove it from the package.

__ 2. Reconnect the signal and power cables to the new removable media device.

__ 3. Align the enclosure and slide it into the front of the system unit.

__ 4. Reinstall the screws.

__ 5. Align and slide in the removable media devices. Push both handles in at the same time to lock the media device into place.

__ 6. Install the front cover.

DANGER

> An electrical outlet that is not correctly wired could place hazardous voltage on metal parts of the system or the products that attach to the system. It is the customer's responsibility to ensure that the outlet is correctly wired and grounded to prevent an electrical shock. (RSFTD201)

__ 7. Plug in the system unit and system unit console. Plug in everything you previously unplugged such as printers and displays.

__ 8. Power on all attached devices, such as printers and displays.

__ 9. Look at the Function/Data display on the control panel.

__ 10. 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 10a through 10j.

__ 11. Power on the workstation or PC that is the console for your system.

__ 12. Press the power button to power on your system unit.

__ 13. Sign on the system unit. Ensure that you have service tools authority.

__ 14. Do the following to verify your removable media backplane:

    __ a. On a command line, type: **strsst**. Press the Enter key.

    __ b. Type **your service tools user ID and service tools password** on the *System Service Tools (SST) Sign On* display.

    __ c. When the *System Service Tools (SST)* display appears, select the **Start a service tool** option. Press the Enter key.

    __ d. When the *Start a Service Tool* display appears, select the **Hardware service manager** option. Press the Enter key.

    __ e. At the *Hardware Service Manager* display, select the **Device Concurrent Maintenance** option. Press the Enter key.

    __ f. At the *Specify either Physical Location or Resource Name* field, type:

        1) The number 1 for Frame ID.

        2) The physical location (D17 is the upper location and D18 is the lower location).

    __ g. Select option **1** (Remove device) for the action to be performed.

__ h. Set the time delay for one minute—01. (Do not press Enter at this time.)

__ i. When the light begins to blink rapidly, you will have nine seconds to remove the device.

__ j. Press Enter on the console.

__ k. When the light starts blinking, after the one minute delay, squeeze and pull both handles on both sides of the device toward you.
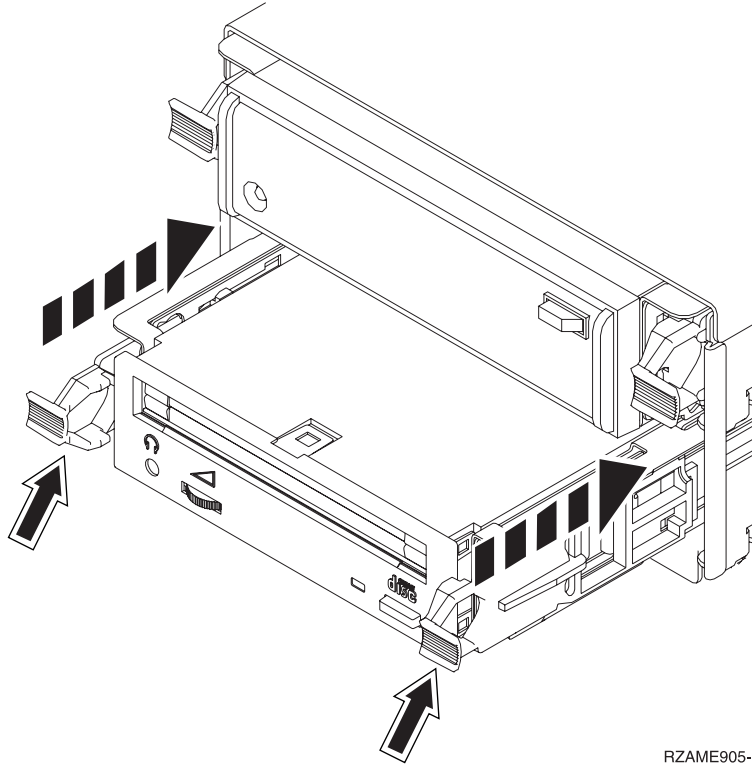
RZAME905-0

__ l. Slide the device out.

   Note: Do not hold the device by the handles.

__ m. The light will stop blinking and remain off when the device is removed.

__ n. Return to the console and wait until the *Concurrent Maintenance Results* display appears. Press **F12**.

__ o. Your feature install is complete.

Power down the system unit

To power down the system unit, follow these steps:

__ 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, power down the system by typing **pwrdwnsys *immed** on a command line and press the Enter key.

__ 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 cord from the electrical outlet.

Unit Covers

Locate the diagram of the unit you are working on:

- "270, 800, 810 and 820 System Units"
- "270, 800, or 810 unit in a rack" on page 35

270, 800, 810 and 820 System Units

To allow access to the removable media device location, you need to remove the covers.

__ 1. Place your hand near the bottom of the back cover, if you have one, and lift up and out.

__ 2. **270, 800, and 810 units**—Remove the right side cover (view from back) by loosening the thumbscrews and sliding the cover from front to back until it stops.

   820 unit—Remove the left side cover (view from back) by loosening the thumbscrews and sliding the cover from front to back until it stops.

__ 3. Pull the cover out.
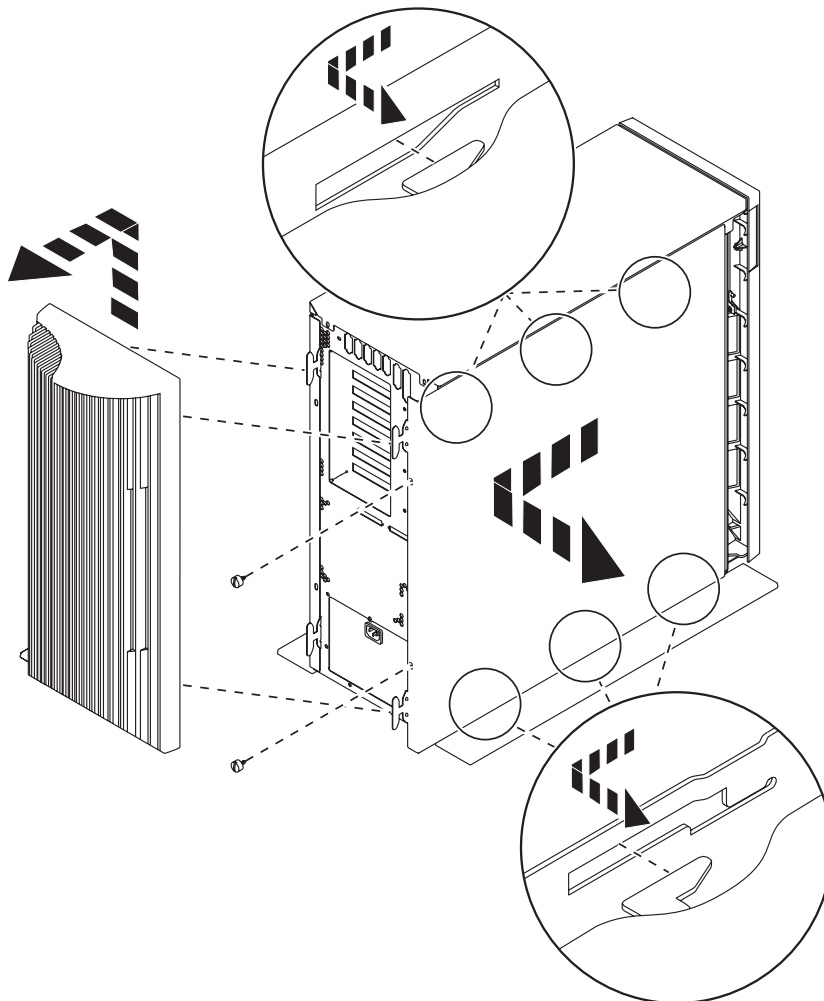
RZAQ2517-0

__ 4. Remove the front cover.

33
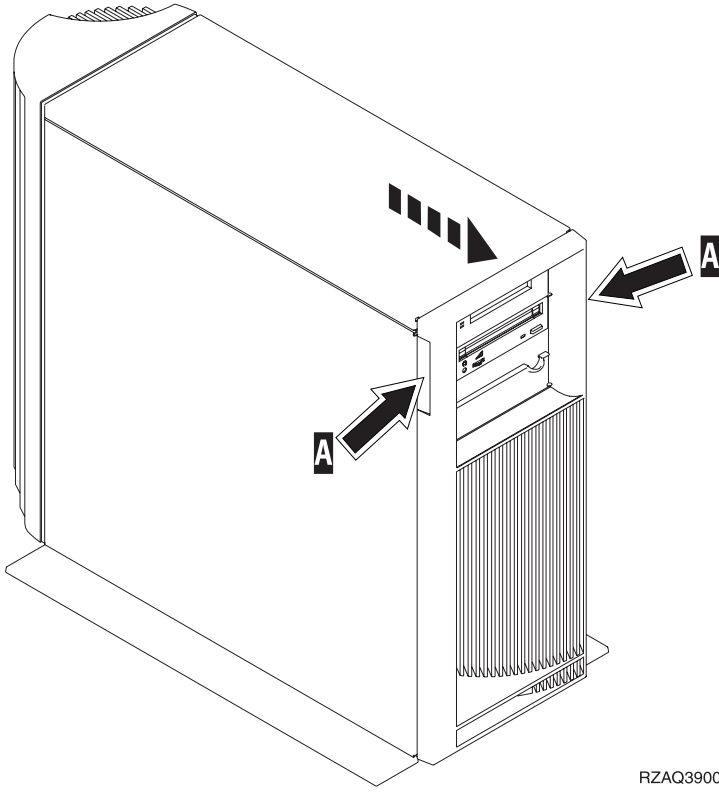
RZAQ3900-0

270, 800, or 810 unit in a rack

1. Press latches **B** and pull the server out using the handle **C**.
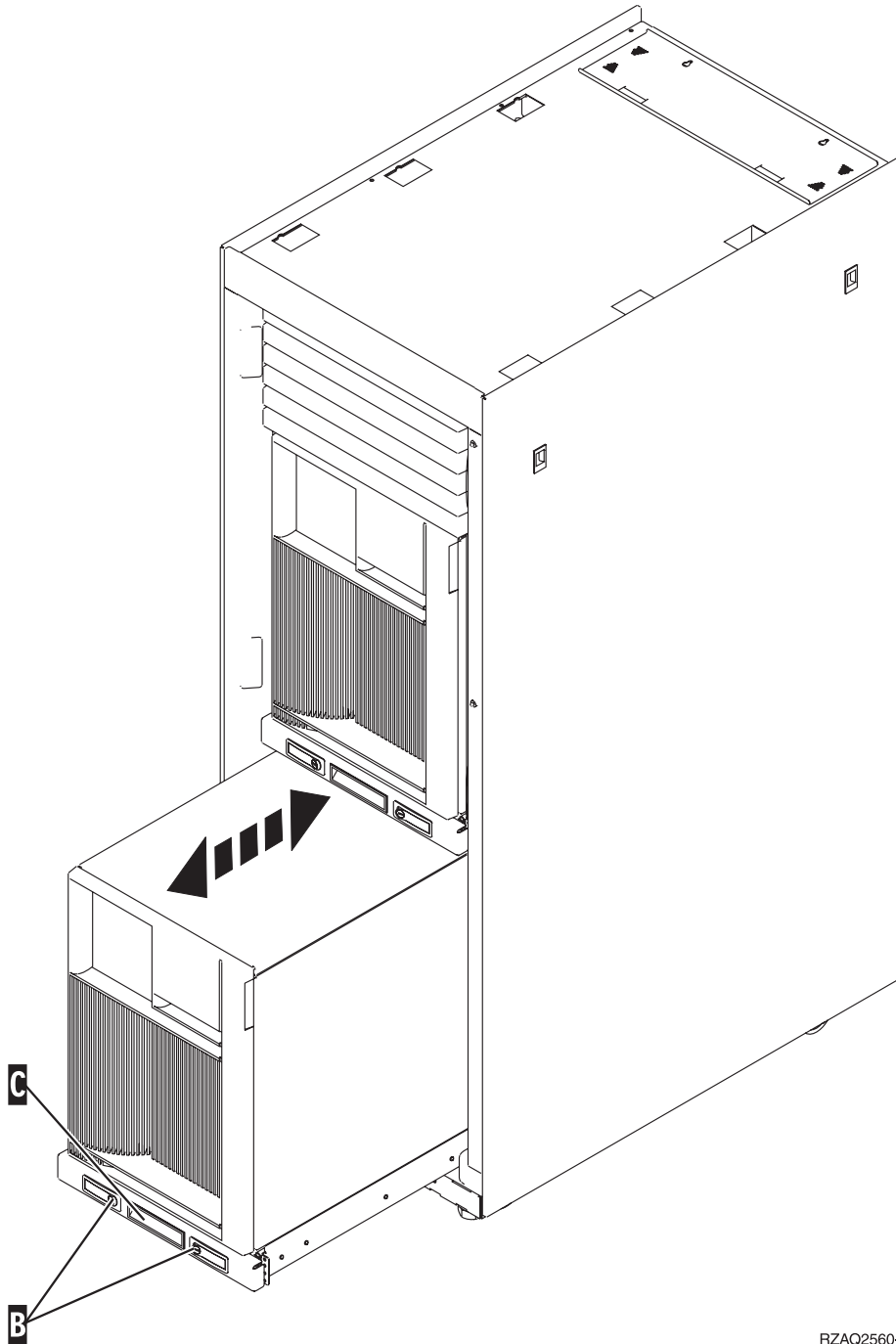
RZAQ2560-0

2. Remove the front cover. Refer to step 4 on page 33.
3. Remove the left side cover (view from front). Refer to step 3 on page 33.

Appendix. Notices

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Responsible Party:

International Business Machines Corporation
New Orchard Road
Armonk, NY 10504

Telephone: 1-919-543-2193

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Avis de conformité à la réglementation d'Industrie Canada

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Australia and New Zealand Class A statement

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

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を講ずるよう要求されることがあります。　　　　　ＶＣＣＩ－Ａ

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This is a Class A product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

Electromagnetic Interference (EMI) Statement - People's Republic of China

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.

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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.

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Radio Protection for Germany

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

Der Aussteller der Konformitätserklärung ist die IBM Germany.

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

Hinweis

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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

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

Avis de conformité à la réglementation d'Industrie Canada

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