DEC 2000 Model 500 AXP

Upgrade Information

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1

Options You Can Upgrade

Purpose of Guide

The purpose of this guide is to tell customers and Digital Services which options can be removed from the current system and used, either internally or externally, in their DEC 2000 Model 500 AXP server. Step-by-step instructions are provided for removing the options.

Options You Can Upgrade

The following devices are supported in the upgrade to the DEC 2000 Model 500 AXP:

RZ24L	245 MB 3.5-inch SCSI disk drive
RZ25	426 MB 3.5-inch SCSI disk drive
RZ26	1.05 GB 3.5-inch SCSI disk drive
RRD42	600 MB CD-ROM
TLZ06	4 GB tape drive
TZK10	52 MB tape drive
VRC16-HA	Color monitor
SZ12/RZ5x	Dual drive expansion box
BA353	Desktop expansion enclosure
BA350	Pedestal expansion enclosure

Warning

Attach an antistatic wrist strap before you begin this upgrade. As you remove options from your system, place them on an antistatic mat.

Static discharge can cause irreparable damage to options modules.

2

Upgrading a DECstation 5000 Model 25/50

Topics Covered in This Chapter

- Upgrading your system
- Removing drives
- Completing the upgrade

Upgrade Procedure

Step 1: If Your System Has Factory-Installed Drives

If your DEC 2000 AXP system has factory-installed drives, you may need to change the SCSI IDs on the drives you are upgrading.

To display the SCSI ID settings of the drives in your expansion box:

1. Enter the command to shut down the software and put the system in console mode: `shutdown -h now`

2. Enter `cnfg 3` at the console prompt (>>>). A screen similar to the following appears:

```
>>> cnfg 3
3:      KN02   DEC   Vn.n    TCF0              (12 MB)
-------------------------------------------------
        DEV    PID       VID    REV     SCSI ID
-------------------------------------------------
        rz2    RZ24  (C) DEC    0700   DIR
        rz5    RX26  (C) DEC    0700   SEQ
```

This display shows an RZ24 drive set to SCSI ID 2 and an RX26 drive set to SCSI ID 5.

Write down the names of your system drives and SCSI ID settings here. You will need them for future use.

Step 2: Shut Down System

Turn off the system unit by pressing O on the On/Off switch on the back of the system unit.

Caution: After you turn off the system, wait 15 seconds before you unplug the power cord.

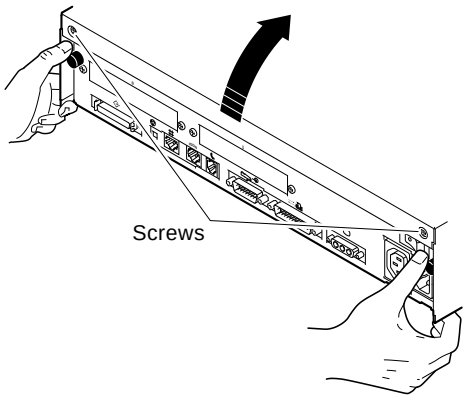
Step 3: Disconnect Cables

Disconnect all the cables from the back of the system unit.

Disconnect the power cord from the wall outlet and then from the system unit.

Step 4: Remove Cover

1. Remove the two Phillips screws on the right and left top corners of the system unit cover.
2. Place the system unit so that the back of the unit extends over the edge of a table or desk.
3. Place your thumbs on top of the two black rubber caps on the back of the system unit, and place your fingers under the cover's bottom edge. Press with your thumbs, and, at the same time, pull up with your fingers to lift the cover.



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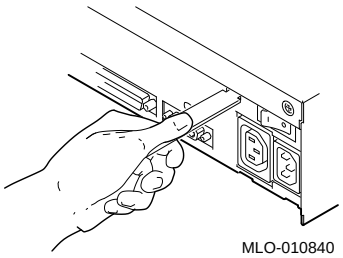
Note: If you have difficulty opening the enclosure, you can use a tool to pry up the cover as shown here.



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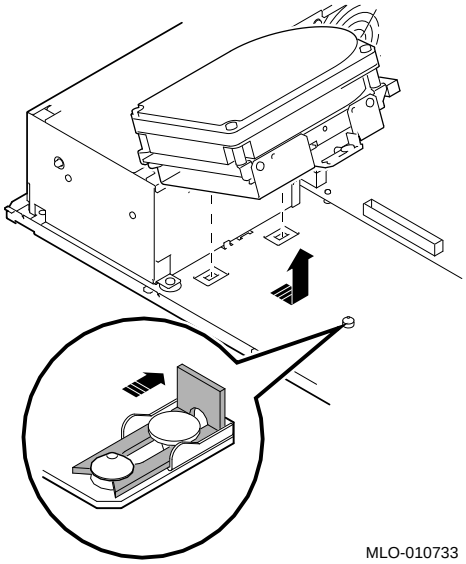
4. Pivot the cover on the tabs that run along the system unit's front edge.
5. Push the system unit cover forward and away until it releases from the tabs.
6. Place the cover aside.

Step 5: Remove Hard Disk Drives

1. Disconnect the drive SCSI and power cables from the system board.
2. Press down on the disk drive and unlock the sliding latch from the locking post.
3. Lift the drive off the locking post and out of the cutout tabs.



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4. Unplug the power supply cable and SCSI cables from the drive.
5. Set the drives aside on an antistatic mat.
6. Put all the disconnected cables back into the system unit.

Step 6: Set the SCSI IDs on the Drives

If your DEC 2000 AXP system has a factory-installed disk drive, it is set to SCSI ID 0. Check the SCSI ID settings you noted earlier. If one of the drives you are upgrading is also set to SCSI ID 0, change that setting.

Settings for drives can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 7: Install New Mounting Bracket

You must install the mounting brackets included in your upgrade kit onto the drives you remove from your current system. Instructions for installing the mounting brackets are in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 8: Complete the Upgrade

1. Instructions for installing options that you have removed from your current system can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*. Follow the instructions in the *DEC 2000 Model 500 AXP Installation Information* and *DEC 2000 Model 500 AXP User Information* to complete the upgrade.
2. Update the customer service contract to the DEC 2000 Model 500 AXP system.

Step 9: Return Your DECstation to Digital

Return your DECstation and any devices that are not upgradeable to Digital.

1. Pack the DECstation and devices securely in packing material.
2. Attach the return-address label that was in your upgrade kit.

3

Upgrading a DECsystem 5000 Model 133/150

Topics Covered in This Chapter

- Upgrading your system
- Removing drives
- Completing the upgrade

Upgrade Procedure

Step 1: If Your System Has Factory-Installed Drives

If your DEC 2000 AXP system has factory-installed drives, you may need to change the SCSI IDs on the drives you are upgrading.

To display the SCSI ID settings of the drives in your system:

1. Enter the command to shut down the software and put the system in console mode: `shutdown -h now`

2. Enter `cnfg 3` at the console prompt (>>>). A screen similar to the following appears:

```
>>> cnfg 3

3: KNO2   DEC   Vn.n    TCF0  (8 MB)
                            (enet:  08-00-2b-30-14-df)
                                                (SCSI = 7)

-----------------------------------------------------
        DEV    PID       VID    REV     SCSI ID
-----------------------------------------------------
 rz2    RZ24  (C) DEC DEC 0700   DIR
 rz5    Rrd42 (C) DEC DEC 0700   CD-ROM
```

This display shows an RZ24 drive set to SCSI ID 2 and an RRD42 drive set to SCSI ID 5.

Write down the names of your system drives and SCSI ID settings here. You will need them for future use.

Step 2: Shut Down System

Turn off the system unit by pressing O on the On/Off switch on the back of the system unit.

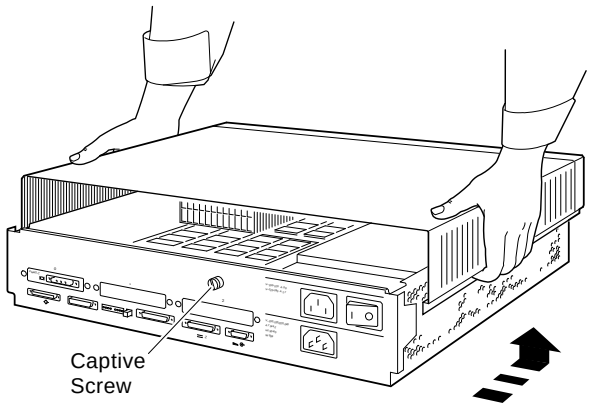
Caution: After you turn off the system, wait 15 seconds before you unplug the power cord.

Step 3: Disconnect Cables

Disconnect all the cables from the back of the system unit. Disconnect the power cord from the wall outlet and then from the system unit.

Step 4: Remove System Cover

1. Loosen the captive screw on the back of the system unit. This captive screw can be loosened but not removed.
2. Grasp each side of the cover with your hands, and pull the cover straight toward the front about 5.5 cm (2 inches). Pull the cover up and set it aside.



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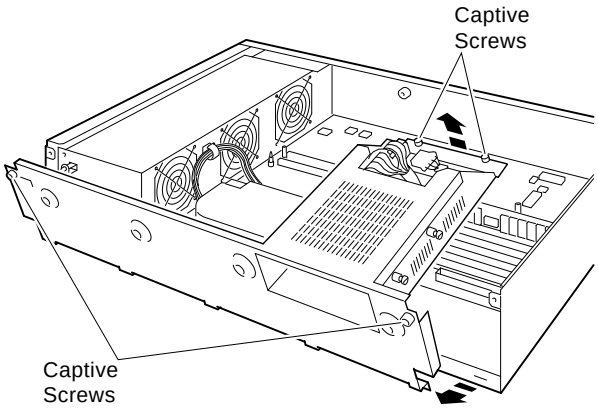
Step 5: Remove Front Drive Panel

1. Loosen the two captive screws that hold the front drive panel in place.
2. Loosen the two captive screws on the back of the drive bracket.
3. If there is a drive inside the bracket, disconnect the SCSI and power cables from the drive.



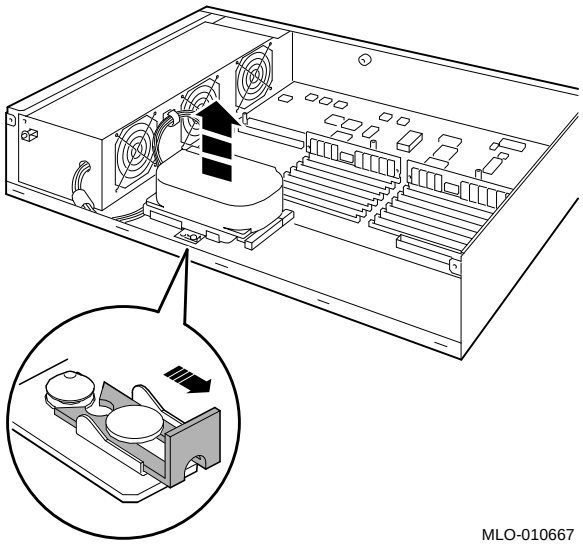
4. Pull up carefully from the back of the drive bracket. As you raise the end of the bracket, you can pull the disconnected ends of the cables through the cutout in the bracket.
5. Release the cables from the cable clamps on the inside of the front panel.
6. Set the front panel aside. Handle it carefully if it contains a drive.

Step 6: Remove Removable Media Drives

1. Loosen the captive screws on either side of the drive bracket.
2. Slide the drive out of the bracket and through the opening in the front panel.
3. Set the drive aside on an antistatic mat.

Step 7: Remove Fixed Disk Drives

1. Press down on the disk drive and unlock the sliding latch.
2. Lift the drive off the mounting post and out of the chassis cutouts.



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3. Unplug the power cable and SCSI cable from the drive. Pull on the SCSI cable connector flap to remove the connector.
4. Set the drives aside on an antistatic mat.
5. Put all the disconnected ends of the cables back into the system unit.
6. Remove all drive mounting brackets by removing the four screws that secure the drive to the mounting bracket.

Step 8: Set the SCSI IDs on the Drives

If your DEC 2000 AXP system has a factory-installed disk drive, it is set to SCSI ID 0. Check the SCSI ID settings you noted earlier. If one of the drives you are upgrading is also set to SCSI ID 0, change that setting.

Settings for drives can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 9: Install New Mounting Bracket

You must install the mounting brackets included in your upgrade kit onto the drives you remove from your current system. Instructions for installing the mounting brackets are in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 10: Complete the Upgrade

1. Instructions for installing options that you have removed from your current system can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*. Follow the instructions in the *DEC 2000 Model 500 AXP Installation Information* and *DEC 2000 Model 500 AXP User Information* to complete the upgrade.
2. Update the customer service contract to the DEC 2000 Model 500 AXP system.

Step 11: Return Your DECsystem to Digital

Return your DECsystem and any devices that are not upgradeable to Digital.

1. Pack the DECsystem and devices securely in packing material.
2. Attach the return-address label that was in your upgrade kit.

4

Upgrading a DECsystem 5000 Model 200/240/260

Topics Covered in this Chapter

- Upgrading your system
- Completing the upgrade

External Options Only

You can only upgrade expansion boxes from your DECsystem 5000 Model 200/240/260 to the DEC 2000 Model 500 AXP.

Upgrade Procedure

Step 1: If Your System Has Factory-Installed Drives

If your DEC 2000 AXP system has factory-installed drives, you may need to change the SCSI IDs on the drives you are upgrading.

To display the SCSI ID settings of the drives in your expansion box:

1. Enter the command to shut down the software and put the system in console mode: `shutdown -h now`

2. Enter `cnfg 3` at the console prompt (>>>). A screen similar to the following appears:

```
>>> cnfg 3
3:      KN02   DEC   Vn.n    TCF0              (12 MB)
-------------------------------------------------
        DEV    PID       VID    REV     SCSI ID
-------------------------------------------------
        rz2    RZ24  (C) DEC    0700   DIR
        rz5    RX26  (C) DEC    0700   SEQ
```

This display shows an RZ24 drive set to SCSI ID 2 and an RX26 drive set to SCSI ID 5.

Write down the names of your system drives and SCSI ID settings here. You will need them for future use.

Step 2: Shut Down System

Turn off the system unit by pressing O on the On/Off switch on the back of the system unit.

Caution: After you turn off the system, wait 15 seconds before you unplug the power cord.

Step 3: Disconnect Cables

Disconnect all the cables from the back of the system unit.

Disconnect the power cord from the wall outlet and then from the system unit.

Step 4: Complete the Upgrade

1. Instructions for installing options that you have removed from your current system can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*. Follow the instructions in the *DEC 2000 Model 500 AXP Installation Information* and *DEC 2000 Model 500 AXP User Information* to complete the upgrade.
2. Update the customer service contract to the DEC 2000 Model 500 AXP system.

Step 5: Return Your DECsystem to Digital

Return your DECsystem and any devices that are not upgradeable to Digital.

1. Pack the DECsystem and devices securely in packing material.
2. Attach the return-address label that was in your upgrade kit.

5

Upgrading a DECsystem 3100

Topics Covered in This Chapter

- Upgrading your system
- Completing the upgrade

External Options Only

You can only upgrade expansion boxes from your DECsystem 3100 to the DEC 2000 Model 500 AXP.

Upgrade Procedure

Step 1: If Your System Has Factory-Installed Drives

If your DEC 2000 AXP system has factory-installed drives, you may need to change the SCSI IDs on the drives you are upgrading.

To display the SCSI ID settings of the drives in your expansion box:

1. Enter the following command to shut down the software and put the system in console mode: `shutdown -h now`

2. Enter `test -c` at the console prompt (>>>). A screen similar to the following appears:

```
>>> test -c
.
.
Unit(2)  Device type   0 DISK
           RME                     0x0
           Version                 1
           Response data format    1  CCS
           Additional length       31
           Vendor                  DEC
           Product identification  RZ24   (C)   DEC
           Firmware revision level 0700
Unit(1)
Unit(0)  Device type   0  DISK
           RME                     0x0
           Version                 1
           Response data format    1  CCS
           Additional length       31
           Vendor                  DEC
           Product identification  RZ24   (C)   DEC
           Firmware revision level 0700

>>
```

This display shows one RZ24 set to SCSI ID 0 and a second RZ24 set to SCSI ID 2.

Write down the names of your system drives and SCSI ID settings here. You will need them for future use.

Step 2: Shut Down System

Turn off the system unit.

Caution: After you turn off the system, wait 15 seconds before you unplug the power cord.

Step 3: Disconnect Cables

Disconnect all the cables from the back of the system unit.

Disconnect the power cord from the wall outlet and then from the system unit.

Step 4: Set SCSI IDs on Drives

If your DEC 2000 AXP system has a factory-installed disk drive, it is set to SCSI ID 0. Check the SCSI ID settings you noted earlier. If one of the drives you are upgrading is also set to SCSI ID 0, change that setting. SCSI settings can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 5: Complete the Upgrade

Follow the instructions in the *DEC 2000 Model 500 AXP Installation Information*, *DEC 2000 Model 500 AXP User Information*, and *DEC 2000 Model 500 AXP Customer Technical Information* to complete the installation.

Step 6: Return Your DECsystem to Digital

Return your DECsystem and any devices that are not upgradeable to Digital.

1. Pack the DECsystem and devices securely in packing material.
2. Attach the return-address label that was in your upgrade kit.

Step 7: Update Service Contract

Update the customer service contract to the DEC 2000 Model 500 AXP system.

6

Upgrading a DECsystem 5100

Topics Covered in This Chapter

- Upgrading your system
- Removing drives
- Completing the upgrade

Upgrade Procedure

Step 1: If Your System Has Factory-Installed Drives

If your DEC 2000 AXP system has factory-installed drives, you may need to change the SCSI IDs on the drives you are upgrading.

To display the SCSI ID settings of the drives in your DECsystem:

1. Enter the command to shut down the software and put the system in console mode: `shutdown -h now`
2. Enter `conf -s` at the console prompt (>>>). A screen similar to the following appears:

```
>>> conf -s
.
.
scsi peripherals
  unit  type          product        removable/fixed    capacity
    0   disk          RZ56  (C) DEC  fixed              634 MBs
    3   disk          RZ24           fixed              209 MBs
    5   tape          TZ30           removable
    7   host adapter
```

This display shows an RZ56 set to SCSI ID 0, an RZ24 set to SCSI ID 3, and a TZ30 set to SCSI ID 5.

Write down the names of your system drives and SCSI ID settings here. You will need them for future use.

Step 2: Shut Down System

Set the On/Off switch on the back of the system unit to the off (O) position.

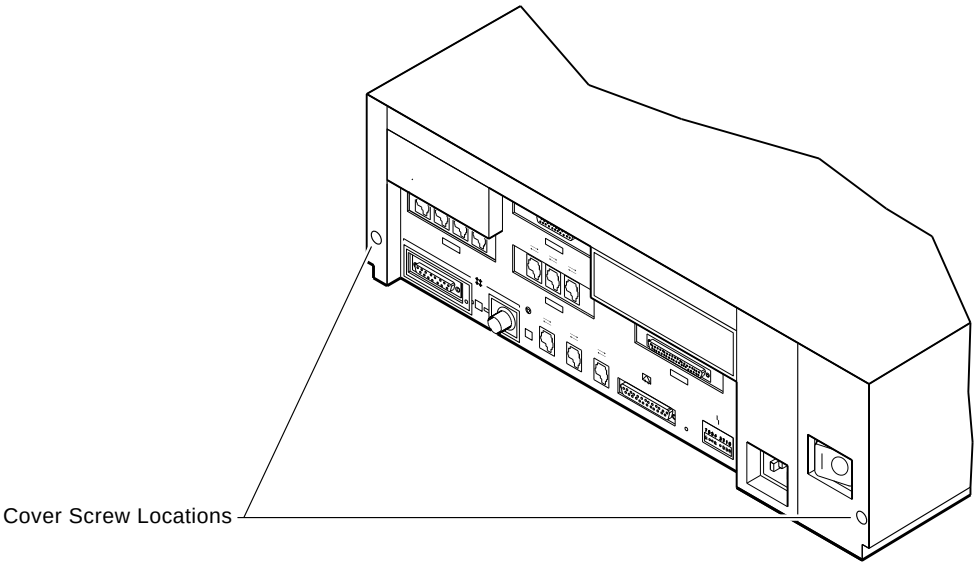
Caution: After you turn off the system, wait 15 seconds before you unplug the power cord.

Step 3: Disconnect the Cables

Disconnect all the cables connected to the system unit.

Step 4: Remove System Cover

1. Loosen the two cover screws on the back of the system unit.
2. Slide the cover forward, and up, off the system unit.



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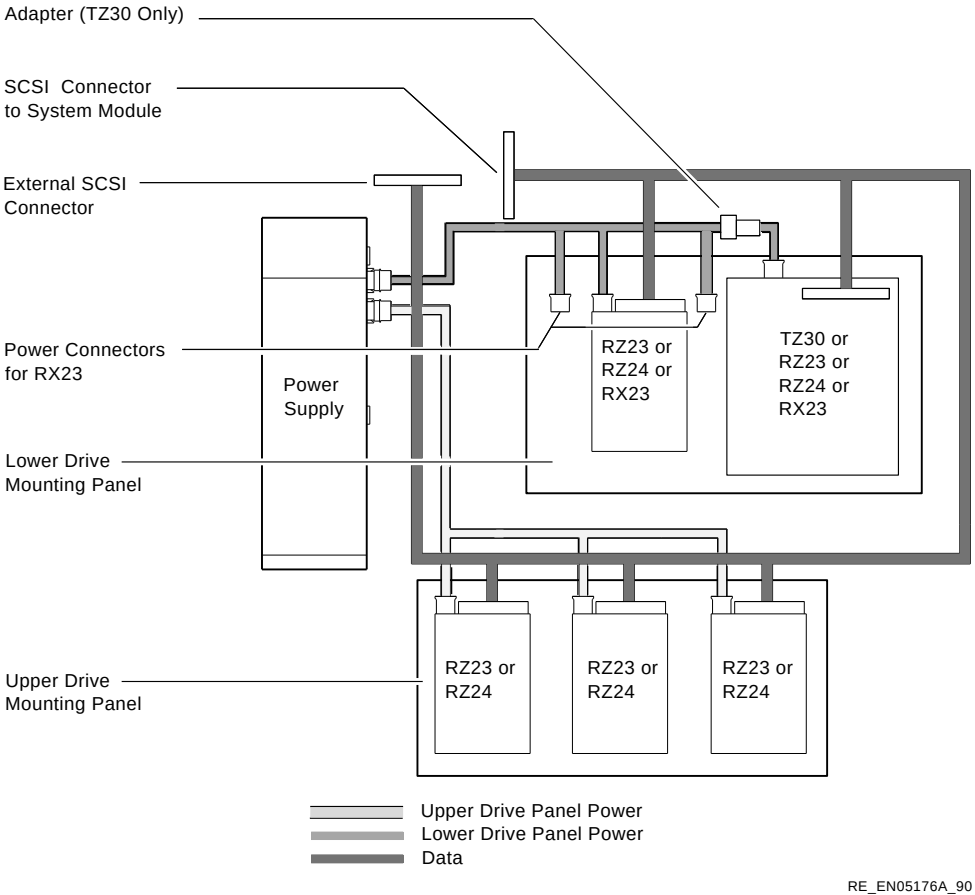
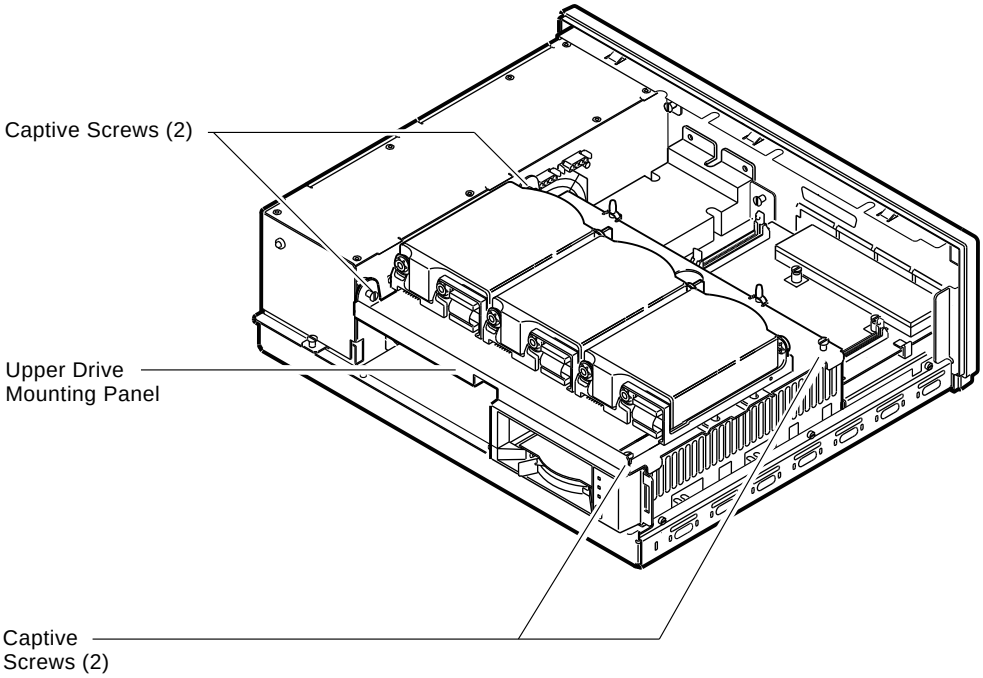
Step 5: Remove Upper Drive Mounting Panel

Depending on your system configuration, the upper drive mounting panel can contain one, two, or three hard disk drives. These drives can be either RZ23 or RZ24 disk drives.



To remove the upper drive mounting panel:

1. Disconnect the power cable and the SCSI cable from the drives on the upper mounting panel.
2. Loosen the four captive screws located on the upper drive mounting panel.



3. Lift the upper drive mounting panel from the lower drive mounting panel and gently set it aside.

Step 6: Remove EMI Shield, If Present

Your system may have an EMI shield located between the upper and lower drive shelves. The shield has several "fingers" touching the upper shelf.

Warning

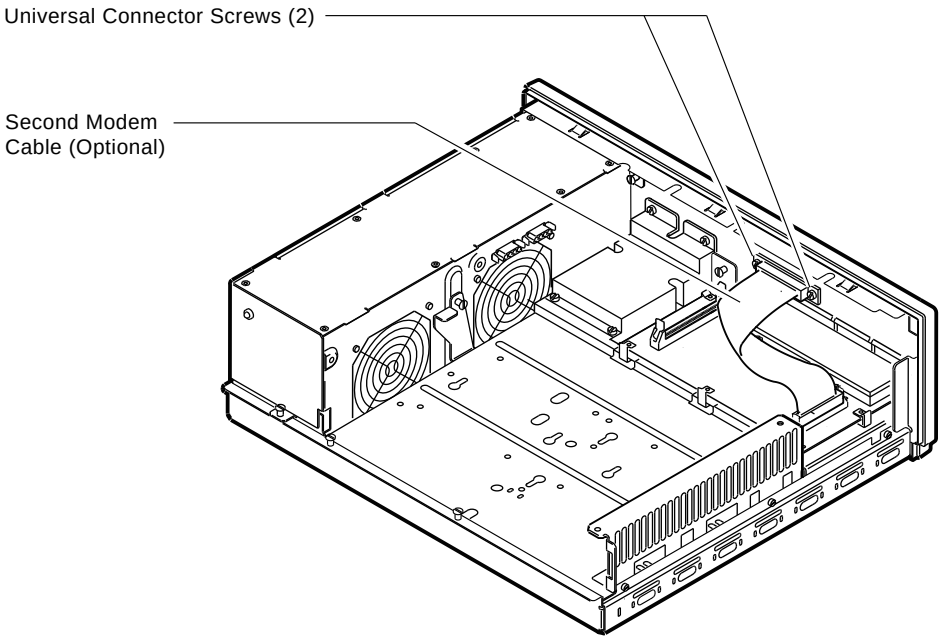
Do not pull the EMI shield directly up out of the system. This may cause injury.

To remove the shield from the lower shelf:

1. From the front of the enclosure, grasp the shield with both hands near the middle and gently pull it forward (toward the devices on the lower shelf, if present).

   Lift the shield toward the front of the enclosure, simultaneously pulling forward to release the two tabs under the shelf.

2. Remove the SCSI and power cables from the slots in the EMI shield. Set the shield aside.



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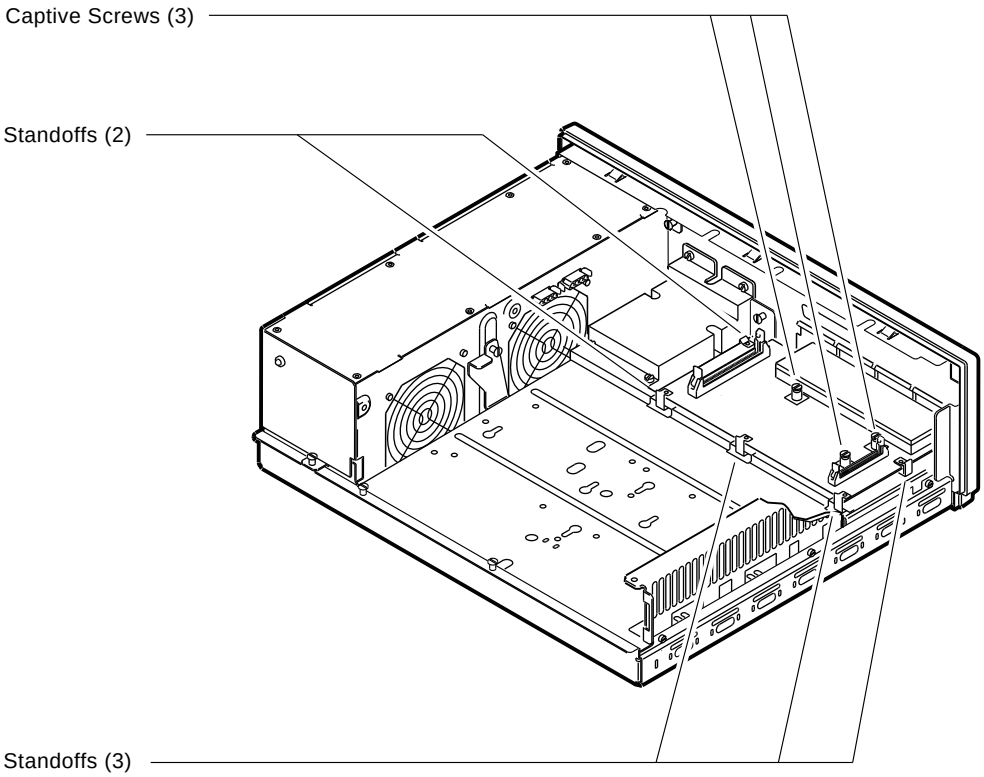
Step 7: Remove Communications Option, If Present

Your system may have a communications option installed on the lower drive shelf.

To remove this option:

1. Disconnect the cable from the second modem port connector on the option.
2. Remove the two universal connector screws, and then remove the second modem cable from the system unit.
3. Disconnect the signal cable from the system module.
4. Unscrew the three captive screws on the communications module.

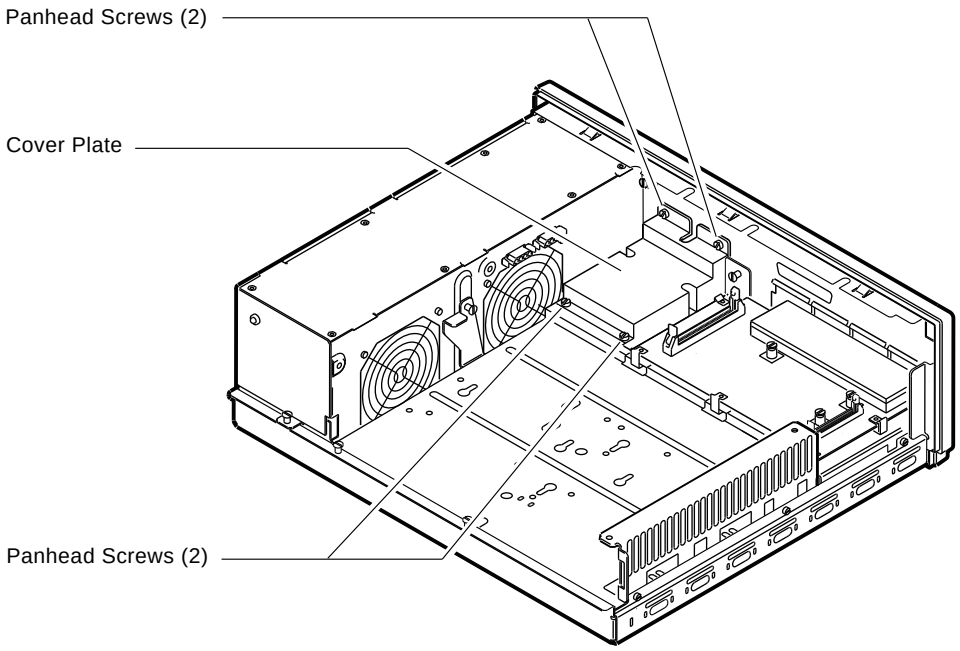
5. Release the communications module from the five standoffs and remove it from the system unit.



Step 8: Remove Lower Drive Mounting Panel

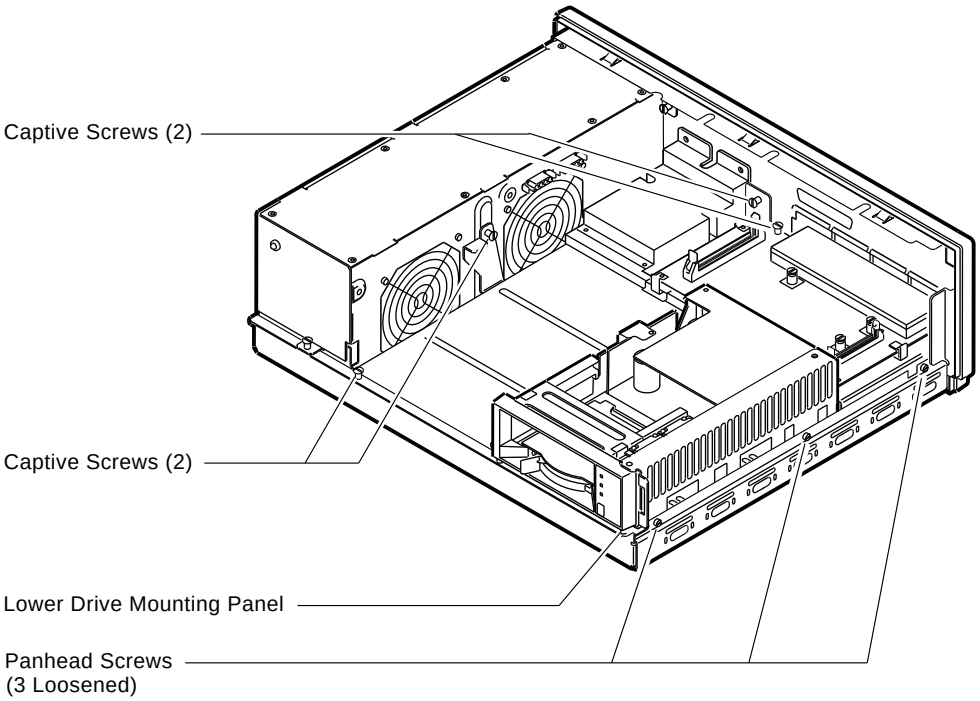
The lower drive mounting panel can contain RZ23 disk drives, RX23 disk drives, a TZ30 tape drive, an RRD42 CD-ROM, or a TZK10 tape drive. To remove the lower drive mounting panel:

1. Disconnect the SCSI cable and the power cable connected to the drives.
2. Remove the two screws securing the cover plate to the lower drive mounting panel. Remove the two screws securing the cover plate to the back panel of the system unit. Remove the cover plate.



RE_EN05180A_90

3. Loosen the four captive screws on the lower drive mounting panel. Two are located near the back panel. Two are located near the power supply. Loosen the three screws on the right side of the panel. Slide the panel forward and away from the system unit.



Step 9: Remove Device

To remove the device:

1. Turn the drive mounting panel over, and while supporting the device with one hand, loosen the two screws in the keyhold slots holding the device to the mounting panel. Remove the other two screws.
2. Slide the device to one side and remove it from the mounting panel.
3. Remove the drive mounting bracket by removing the screws that secure the drive to the mounting bracket.

Step 10: Set SCSI IDs on Drives

If your DEC 2000 AXP system has a factory-installed disk drive, it is set to SCSI ID 0. Check the SCSI ID settings you noted earlier. If one of the drives you are upgrading is also set to SCSI ID 0, change that setting. Settings for drives can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 11: Install New Mounting Bracket

You must install the mounting brackets included in your upgrade kit onto the drives you remove from your current system. Instructions for installing the mounting brackets are in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 12: Complete the Upgrade

Follow the instructions in the *DEC 2000 Model 500 AXP Installation Information*, *DEC 2000 Model 500 AXP User Information*, and *DEC 2000 Model 500 AXP Customer Technical Information* to complete the upgrade.

Update the customer service contract to the DEC 2000 Model 500 AXP system.

Step 13: Return Your DECsystem to Digital

Return your DECsystem and any devices that are not upgradeable to Digital.

1. Pack the DECsystem and devices securely in packing material.
2. Attach the return address label that was in your upgrade kit.

7

Upgrading Other Systems

No Options Can Be Upgraded

There are no options that you can remove from your VAX 11/7xx, VAX 8200/8300, DECsystem 5400, MicroVAX I/II/2000/3300/3400 or other system to install in your DEC 2000 Model 500 AXP server.

Upgrade Procedure

To upgrade your current system, follow the two steps listed below.

Step 1: Return Your Current System to Digital

Return your current system and devices to Digital.

1. Pack the system and devices securely in packing material.
2. Attach the return-address label that was in your upgrade kit.

Step 2: Update Service Contract

After installing the DEC 2000 Model 500 AXP, update the customer service contract to the DEC 2000 Model 500 AXP system.

8

Upgrading a DECsystem 5500

Topics Covered in This Chapter

- Upgrading your system
- Completing the upgrade

External Options Only

You can only upgrade expansion boxes from your DECsystem 5500 to the DEC 2000 Model 500 AXP.

Upgrade Procedure

Step 1: If Your System Has Factory-Installed Drives

If your DEC 2000 AXP system has factory-installed drives, you may need to change the SCSI IDs on the drives you are upgrading.

To display the SCSI ID settings of the drives in your expansion box:

1. Enter the command to shut down the software and put the system in console mode: `shutdown -h now`
2. Enter `maint` at the prompt (>>).
3. Enter `show scsi` at the prompt (>>>).

```
>> maint
>>>show scsi

SCSI Node 0
 -tz(0,0*)   (TLZ04)

SCSI Node 1
 -rz(0,1,*)  (RZ56)
.
.
>>>exit
>>
```

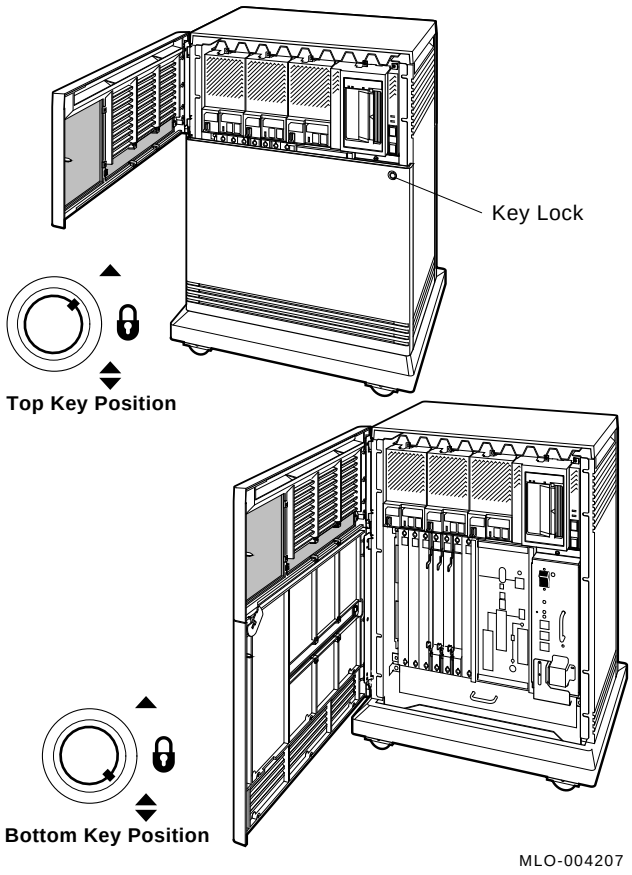
This display shows a TLZ04 set to SCSI ID 0 and an RZ56 set to SCSI ID 1.

Write down the names of your system drives and SCSI ID settings here. You will need them for future use.

Step 2: Shut Down System

1. To access the power switch, you must turn the keylock to the bottom position. Pull the door open.
2. Turn off power switch.

   Caution: After you turn off the system, wait 15 seconds before you unplug the power cord.
3. Remove external cables.


Key Lock
Top Key Position
Bottom Key Position
MLO-004207

Step 3: Complete the Upgrade

Follow the instructions in the *DEC 2000 Model 500 AXP Installation Information, DEC 2000 Model 500 AXP User Information,* and *DEC 2000 Model 500 AXP Customer Technical Information* to complete the upgrade.

Update the customer service contract to the DEC 2000 Model 500 AXP system.

Step 4: Return Your DECsystem to Digital

Return your DECsystem and any devices that are not upgradeable to Digital.

1. Pack the DECsystem and devices securely in packing material.
2. Attach the return-address label that was in your upgrade kit.

9

Upgrading a MicroVAX 3100 Model 30

Topics Covered in This Chapter

- Upgrading your system
- Removing drives
- Completing the upgrade

Upgrade Procedure

Step 1: If Your System Has Factory-Installed Drives

If your DEC 2000 AXP system has factory-installed drives, you may need to change the SCSI IDs on the drives you are upgrading.

To determine the SCSI ID settings on your drives:

1. Shut down your software following the instructions in your software documentation.
2. Enter the `SHOW CONFIG` command.

A screen similar to the following appears:

```
>>> show config

DEVNBR  DEVNAM     INFO
-------------------------------------
1       NVR        OK
3        DZ        OK
4     CACHE        OK
5       MEM        OK
                   16MB = SY=8MB, S0/1=8MB, S2/3=0MB, S4/5= 0MB
6       FPU        OK
7        IT        OK
8       SYS        OK
9        NI        OK
10     SCSI        OK
                   3-RZ24    6-INITR
```

This display shows an RZ24 drive set to SCSI ID 3.

Write down your the names of system drives and SCSI ID settings here. You will need them for future use.

Step 2: Shut Down System

Turn off the system unit by pressing O on the On/Off switch on the back of the system unit.

Caution: After you turn off the system, wait 15 seconds before unplugging the power cord.

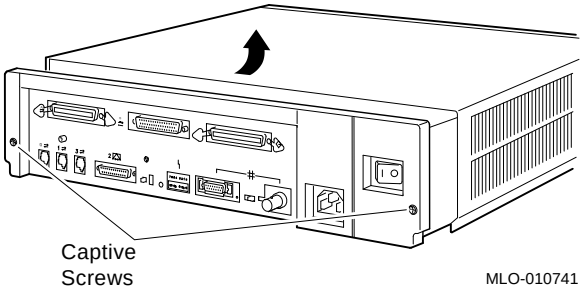
Step 3: Disconnect Cables

Disconnect all the cables from the back of the system unit.

Disconnect the power cord from the wall outlet and then from the system unit.

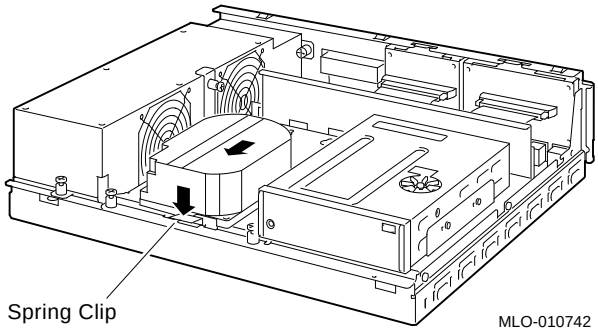
Step 4: Remove System Cover

1. Loosen the two captive screws on the back of the system unit. These screws can be loosened but not removed.
2. Slide the cover forward and lift it up from the system unit. Set the cover aside.



Step 5: Remove Fixed Disk Drives

1. Press and hold the spring clip that locks the disk drive in position.
2. Refer to the figure, and push the disk drive toward the spring clip until the rubber grommets on the bottom of the disk drive release from the cutouts in the drive mounting shelf.



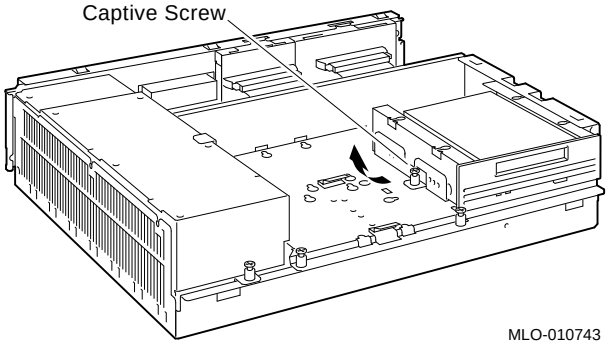
3. Lift the disk drive up from the drive mounting shelf and release the spring clip.
4. Disconnect the SCSI and power cables from the back of the drive.

5. Remove all drive mounting brackets by removing the screws that secure the mounting bracket to the drive.
6. Set the drive aside on an antistatic mat.

Step 6: Remove Removable-Media Drive

Follow these steps to remove a removable-media drive from the lower drive shelf:

1. Loosen the captive screw that secures the drive mounting bracket to the drive shelf.



2. Lift the left side of the drive until the tabs on the right side clear the cutouts in the lower drive shelf.
3. Disconnect the SCSI and power cables from the back of the drive.
4. Remove all drive mounting brackets by removing the screws that secure the mounting bracket to the drive.
5. Set the drive aside on an antistatic mat.

Step 7: Set the SCSI IDs on the Drives

If your DEC 2000 AXP system has a factory-installed disk drive, it is set to SCSI ID 0. Check the SCSI ID settings you noted earlier. If one of the drives you are upgrading is also set to SCSI ID 0, change that setting.

Settings for drives can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 8: Install New Mounting Bracket

You must install the mounting brackets included in your upgrade kit onto the drives you remove from your current system. Instructions for installing the mounting brackets are in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 9: Complete the Upgrade

1. Instructions for installing options that you have removed from your current system can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*. Follow the instructions in the *DEC 2000 Model 500 AXP Installation Information* and *DEC 2000 Model 500 AXP User Information* to complete the upgrade.
2. Update the customer service contract to the DEC 2000 Model 500 AXP system.

Step 10: Return Your MicroVAX System to Digital

Return your MicroVAX system and any devices that are not upgradeable to Digital.

1. Pack the MicroVAX system and devices securely in packing material.
2. Attach the return-address label that was in your upgrade kit.

10

Upgrading a MicroVAX 3100 Model 40/80/90, VAX 4000 Model 100/100A

Topics Covered in This Chapter

- Upgrading your system
- Removing drives
- Completing the upgrade

Upgrade Procedure

Step 1: If Your System Has Factory-Installed Drives

If your DEC 2000 AXP system has factory-installed drives, you may need to change the SCSI IDs on the drives you are upgrading.

To display the SCSI ID settings of the drives in your system:

1. Shut down your software following the instructions in your software documentation.
2. Enter `SHOW CONFIG` at the console prompt (>>>). A screen similar to the following appears:

```
>>> SHOW CONFIG
DEVNBR  DEVNAM     INFO
-------------------------------------
1       NVR        OK
3        DZ        OK
4     CACHE        OK
5       MEM        OK
                   16MB = SY=8MB, S0/1=8MB, SE/3=0MB, S4/5= 0MB
6       FPU        OK
7        IT        OK
8       SYS        OK
9        NI        OK
10     SCSI        OK
                   3-RZ24    6-INITR
```

This display shows an RZ24 drive set to SCSI ID 3.

Write down the names of your system drives and SCSI ID settings here. You will need them for future use.

Step 2: Shut Down System

Turn off the system unit by pressing O on the On/Off switch on the system unit.

Caution: After you turn off the system, wait 15 seconds before you unplug the power cord.

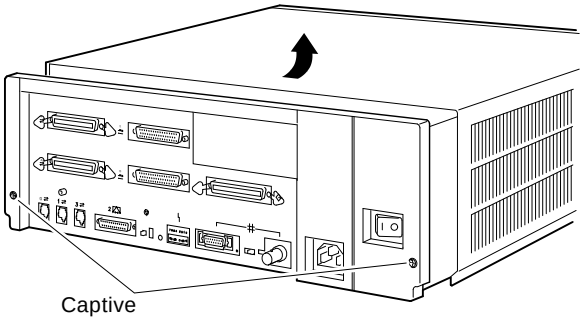
Step 3: Disconnect Cables

Disconnect all the cables from the back of the system unit.

Disconnect the power cord from the wall outlet and then from the system unit.

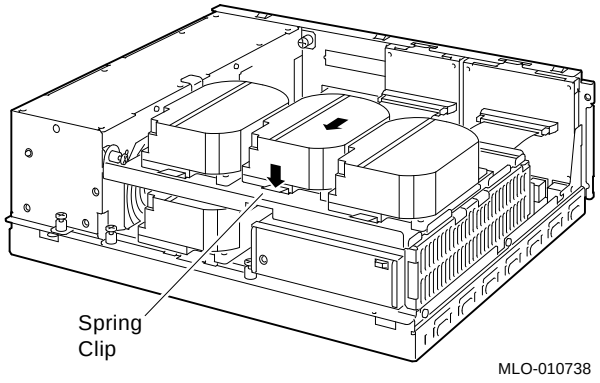
Step 4: Remove System Cover

1. Loosen the two captive screws on the back of the system unit. These screws can be loosened but not removed.
2. Slide the cover forward and lift it up from the system unit. Set the cover aside.



Step 5: Remove Fixed Disk Drives

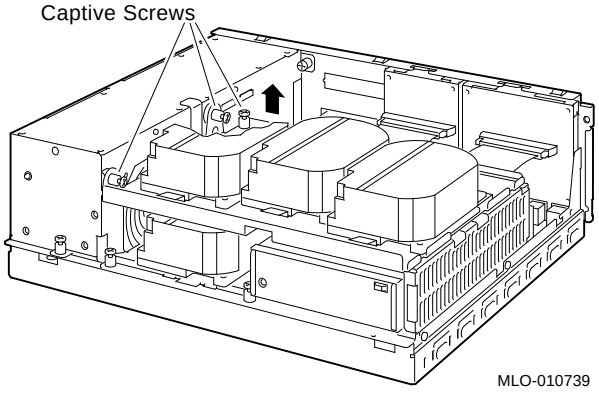
1. Press and hold the spring clip that locks the disk drive in position.
2. Refer to the figure. Push the disk drive toward the spring clip until the rubber grommets on the bottom of the disk drive release from the cutouts in the drive mounting shelf.



3. Lift the disk drive up from the drive mounting shelf and release the spring clip.
4. Disconnect the SCSI and power cables from the back of the drive.
5. Remove all drive mounting brackets by removing the screws that secure the mounting bracket to the drive.
6. Set the drive aside on an antistatic mat.

Step 6: Remove the Upper Drive Shelf

1. Disconnect the power cable from the power supply. Remove the power cable from the enclosure.
2. Refer to the figure. Loosen the three captive screws that hold the drive shelf in place.

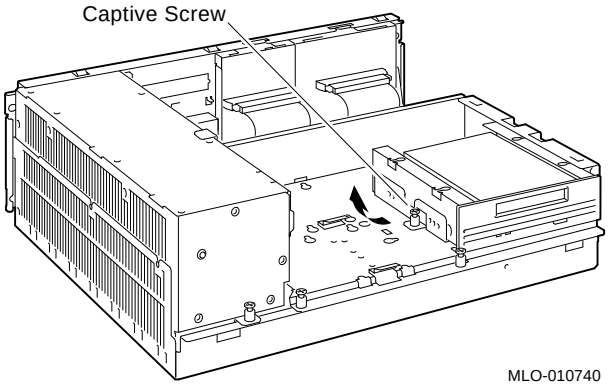


3. Lift the left side of the shelf and pull the shelf to the left until the tabs on the right clear the cutouts in the lower drive shelf.
4. Set the drive shelf aside.

Step 7: Remove Removable-media Drive

Follow these steps to remove a removable-media drive from the lower drive shelf:

1. Loosen the captive screw that secures the drive mounting bracket to the drive shelf.



2. Lift the left side of the drive until the tabs on the right side clear the cutouts in the drive shelf.
3. Disconnect the SCSI and power cables from the back of the drive.
4. Remove all drive mounting brackets by removing the screws that secure the mounting bracket to the drive.
5. Set the drive aside on an antistatic mat.

Step 8: Set the SCSI IDs on the Drives

If your DEC 2000 AXP system has a factory-installed disk drive, it is set to SCSI ID 0. Check the SCSI ID settings you noted earlier. If one of the drives you are upgrading is also set to SCSI ID 0, change that setting.

Settings for drives can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 9: Install New Mounting Bracket

You must install the mounting brackets included in your upgrade kit onto the drives you remove from your current system. Instructions for installing the mounting brackets are in the *DEC 2000 Model 500 AXP Customer Technical Information*.

Step 10: Complete the Upgrade

1. Instructions for installing options that you have removed from your current system can be found in the *DEC 2000 Model 500 AXP Customer Technical Information*. Follow the instructions in the *DEC 2000 Model 500 AXP Installation Information* and *DEC 2000 Model 500 AXP User Information* to complete the upgrade.
2. Update the customer service contract to the DEC 2000 Model 500 AXP system.

Step 11: Return Your Current System to Digital

Return your current system and any devices that are not upgradeable to Digital.

1. Pack the VAX or MicroVAX system and devices securely in packing material.
2. Attach the return-address label that was in your upgrade kit.