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VAXstation 3100 Family to VAXstation 4000 Model 60/90

Upgrade Guide

July, 1993

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Preface

Purpose of this Guide

This guide describes how to upgrade the VAXstation 3100 family of systems to a VAXstation 4000 Model 60 or Model 90 only. The VAXstation 3100 family consists of five models–30, 38, 40, 48, and 76.

You perform the upgrade by removing supported options from the VAXstation 3100 system unit and installing them in the VAXstation 4000 system unit. The upgrade information includes how to remove and install RZ2*x* disk drives, Ethernet ROMs, memory modules, and execute some console commands.

This guide also describes how to repackage the VAXstation 3100 system for shipment back to Digital after completing the system upgrade.

Who Should Use This Guide

Only a Digital service representative or qualified self–maintenance customer should perform this upgrade. You must have a working knowledge of and experience working on the internal hardware devices of a VAXstation 3100 system. If you are not qualified to perform this upgrade, call your Digital service representative to schedule an upgrade.

Note

It is the customer's responsibility to perform software backups of the system and user disks. The backups should be performed before the Digital service representative arrives at the site. Backups are mandatory to ensure that data is not lost during the upgrade.

Structure of this Guide

The guide contains five chapters, as follows:

Chapter	Content
1	Options you can upgrade; preparing the VAXstation 3100 system.
2	Removing options from the Model 30 and 38.
3	Removing options from the Model 40 and 48.
4	Removing options from the Model 76.
5	Installing the VAXstation 4000 system; returning the VAXstation 3100 system.

Conventions Used in this Guide

The following conventions are used in this guide:

Convention	Meaning
Return	A key name enclosed in a box indicates that you press that key.
italic type	Italic type emphasizes important information, indicates variables, and indicates complete titles of manuals.
UPPERCASE	Words in uppercase indicate a command.
RZ2*x*	A lowercase italic *x* indicates a variable model number.
CAUTION	Cautions indicate information that prevents damage to equipment or software. Read cautions carefully.
NOTE	Notes provide general information about the current topic.

1

Preparing for the System Upgrade

Upgrading Your Options to the VAXstation 4000

Table 1–1 lists the options you can move from a VAXstation 3100 system to a VAXstation 4000 system.

Table 1–1 Options You Can Upgrade

Monitors:	Comments:
VR262-A*x*	60 Hz (Supported on Model 60 only)
VR290-D*x*	60 Hz (Supported on Model 60 only)
VR297-D*x*	60 Hz (Supported on Model 60 only)
VR299-D*x*	60 Hz (Supported on Model 60 only)
VR319-C*x*	66 Hz
VR319-D*x*	72 Hz
VR320-C*x*	66 Hz
VR320-D*x*	72 Hz
VRC16-C*x*	72 Hz
VRM17-A*x*	72 Hz
VRT13-D*x*	60 Hz (Supported on Model 60 only)
VRT16-D*x*	66 Hz
VRT16-H*x*	66/72 Hz
VRT19-D*x*	66 Hz

(continued on next page)

Table 1–1 (Cont.) Options You Can Upgrade

Monitors:	Comments:
VRT19-H*x*	66/72 Hz
Fixed Disk Drives:	**Comments:**
RZ23L	
RZ24	
RZ24L	
RZ25	
RZ55	Supported on expansion box only
RZ56	Supported on expansion box only
RZ57	Supported on expansion box only
RZ58	Supported on expansion box only
Removable-Media Drives:	**Comments:**
RRD42	Supported on expansion box/tabletop only
TLZ04	Supported on expansion box/tabletop only
TLZ06	Supported on expansion box/tabletop only
TZ30	Supported on expansion box only
TZK10	Supported on expansion box only
Memory:	
MS44-AA	
MS44L-B*x*	

(continued on next page)

Table 1–1 (Cont.) Options You Can Upgrade

Input Devices:	Comments:
LK401-*xx*	Keyboard
VSXXX-AA/GA	Mouse
VSXXX-AB	Tablet
Expansion Boxes:	
SZ03	
SZ12	
SZ16	
RZ5X	

Graphics

You cannot upgrade the graphics module from your VAXstation 3100 system to the VAXstation 4000 system.

Recording VAXstation 3100 System Information

Shut Down the Software

Refer to the *VMS Installation and Operations Manual* for the proper operating system shutdown procedure.

Enter the SHOW DEVICE Command

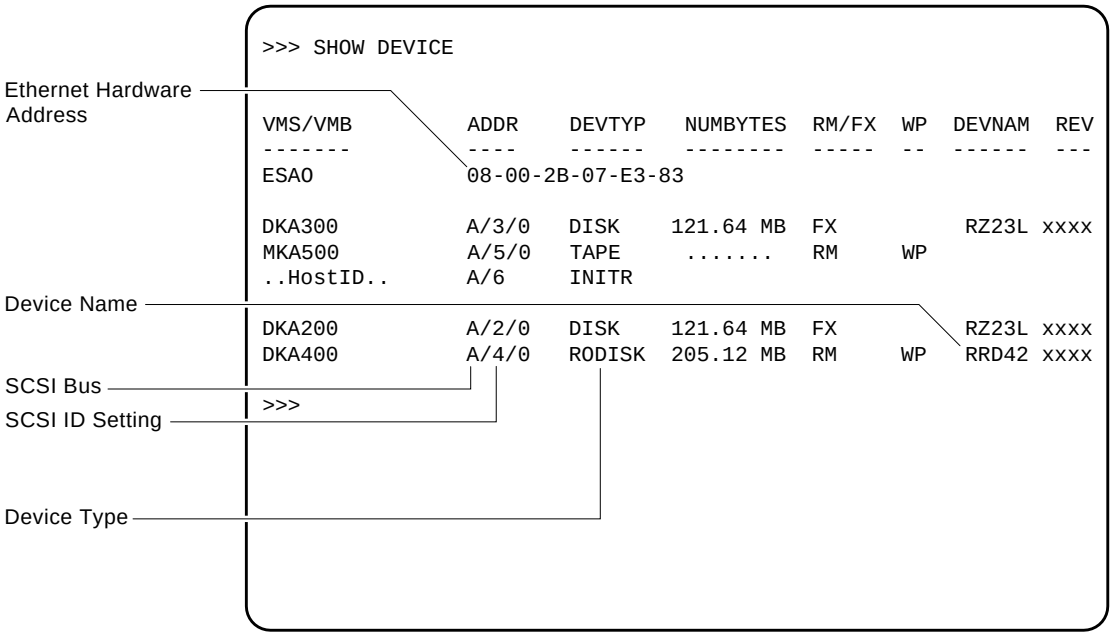
Before you begin the upgrade you need to record the system Ethernet address (*only if you are moving the Ethernet ROM to the new system*) and the SCSI ID settings on your disk drives. Follow these steps and refer to Figure 1–1:

1. Press the Halt button on the rear of the system unit.

   Result: The system displays the console prompt (>>>) on the screen.

2. Enter the SHOW DEVICE command at the console prompt and press Return.
3. Record the system Ethernet address (if applicable).
4. Record the SCSI ID number for each drive.

Figure 1–1 Typical Screen Display of a SHOW DEVICE Command



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Removing the System Unit Cover

Turn Off the System

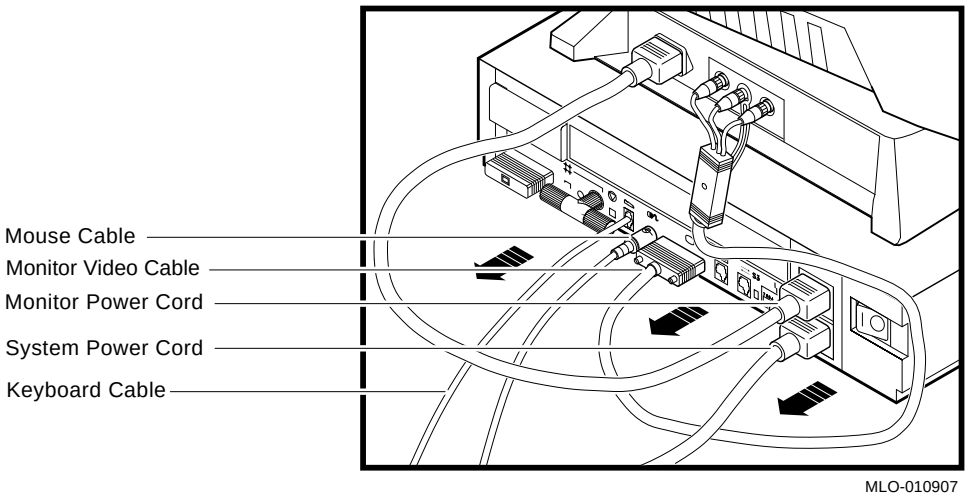
After shutting down the operating system and recording the VAXstation 3100 system information, turn the system peripherals off in the following order:

1. Expansion boxes
2. Printer, modem, and other equipment
3. Monitor
4. System unit

Disconnect the Cables

Disconnect the cables shown in Figure 1–2 from the back of the system unit.

Figure 1–2 Disconnecting the System Unit and Monitor Cables

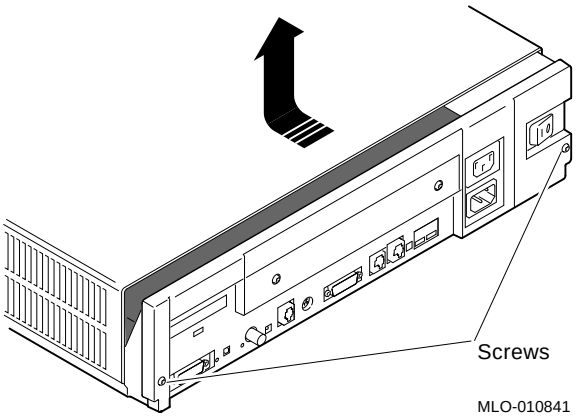


Remove the Cover

To remove the system unit cover from the VAXstation 3100 workstation, do the following and refer to Figure 1–3:

1. Using a Phillips screwdriver, loosen the two captive screws at the back of the system unit on the outside edges. Do not remove the screws.
2. Slide the cover towards the front of the system and lift it up and away from the system unit.

Figure 1–3 Removing the VAXstation 3100 System Unit Cover



3. Place the cover aside for use later during repackaging.

Note

The height of the system unit enclosure is different for some of the VAXstation 3100 models, but the procedure for removing the cover is the same.

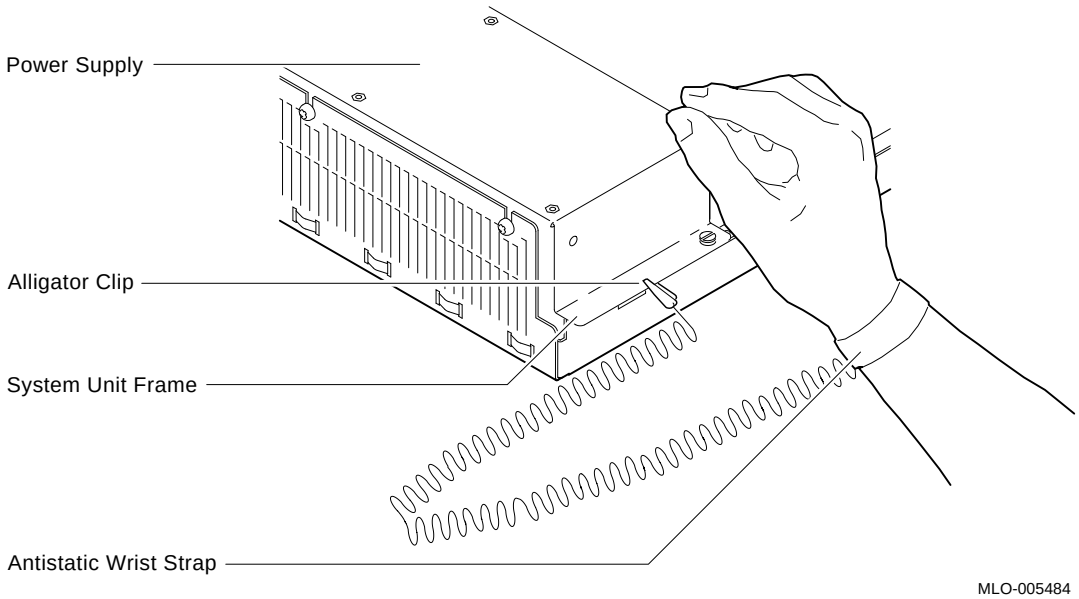
Protecting Against Static Discharge

Caution:

To eliminate any static charge that you may have built up, touch the top of the power supply in the system unit. This discharges any static electricity.

Always wear an antistatic wrist strap when working inside the system unit to avoid damage caused by static discharge. Attach the wrist strap as shown in Figure 1–4.

Figure 1–4 Attaching the Antistatic Wrist Strap to the System Unit



Checking the VAXstation 3100 Model Number

After you have disconnected the cables and before beginning the upgrade, check the model number of the system you are upgrading.

Each system has a model code number stamped on the rear of the system unit. Look at the label and refer to the next table to determine which chapter to use for the upgrade procedures.

Table 1–2 Model Numbers of VAXstation 3100 Family Systems

Model Code Number[1]	VAXstation 3100 System	Go To:
VS42A-*xx*	Model 30	Chapter 2
WS42A-*xx*	Model 38	Chapter 2
VS42S-*xx*	Model 40	Chapter 3
WS42B-*xx*	Model 48	Chapter 3
WS43A-*xx*	Model 76	Chapter 4

[1] *xx*: variable extensions

2

Removing Options from a Model 30 and 38 Workstation

Purpose

The purpose of this chapter is to provide upgrade information so that a Digital service representative or knowledgeable Digital customer can upgrade an existing VAXstation 3100 Model 30 or 38 workstation to a VAXstation 4000 Model 60 or 90 workstation.

Caution:

Only a Digital service representative or qualified self–maintenance customer should perform this upgrade. You must have a working knowledge of and experience working on the internal hardware devices of a VAXstation 3100 system. If you are not qualified to perform this upgrade, call your Digital service representative to schedule an upgrade.

Chapter Content

This chapter describes how to remove options from a Model 30 and Model 38 workstation. These two models are very similar in structure. When there are differences in the upgrade instructions they are called out with a **Note** specifying the differences between the two models. This chapter contains the following information:

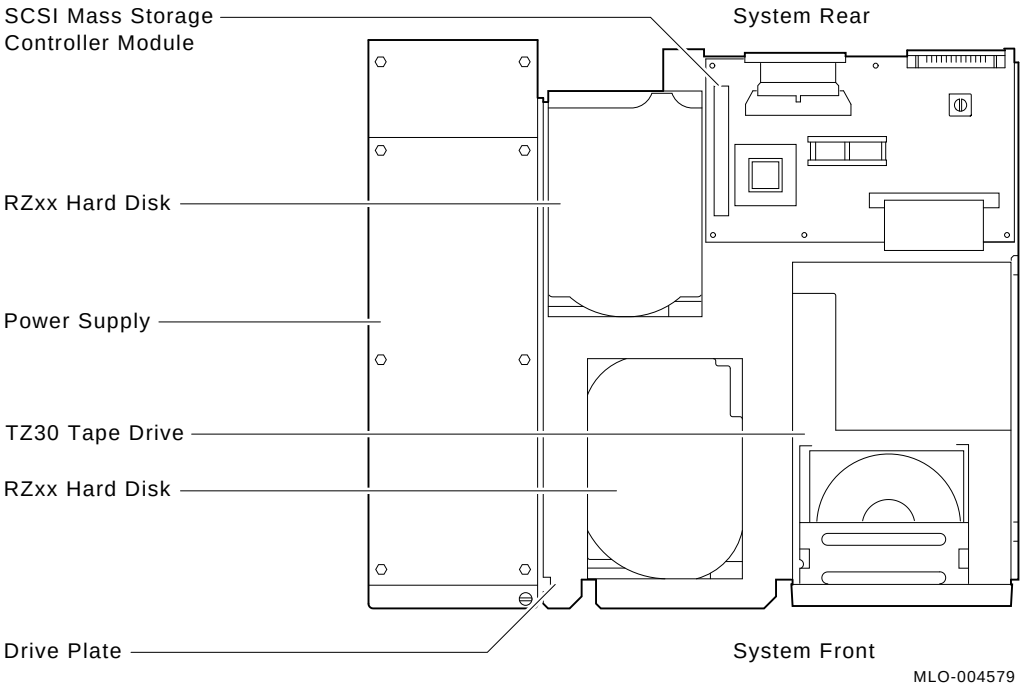
- Removing Fixed Disk Drives
- Removing the Ethernet ROM

Removing Fixed Disk Drives

Typical Drive Plate Layout

There are several possible drive plate configurations for the Model 30 and 38, including two different types of drive plates. There are also different kinds of SCSI mass storage controllers depending on the model you are upgrading. Figure 2–1 shows a common configuration of a Model 30 or 38 drive plate.

Figure 2–1 Common Configuration for a Model 30 and 38 Drive Plate



Remove RZ2*x* Disk Drives

Remove all the supported RZ2*x* disk drives from the drive plate. Two of these drives can be installed into the VAXstation 4000 system unit.

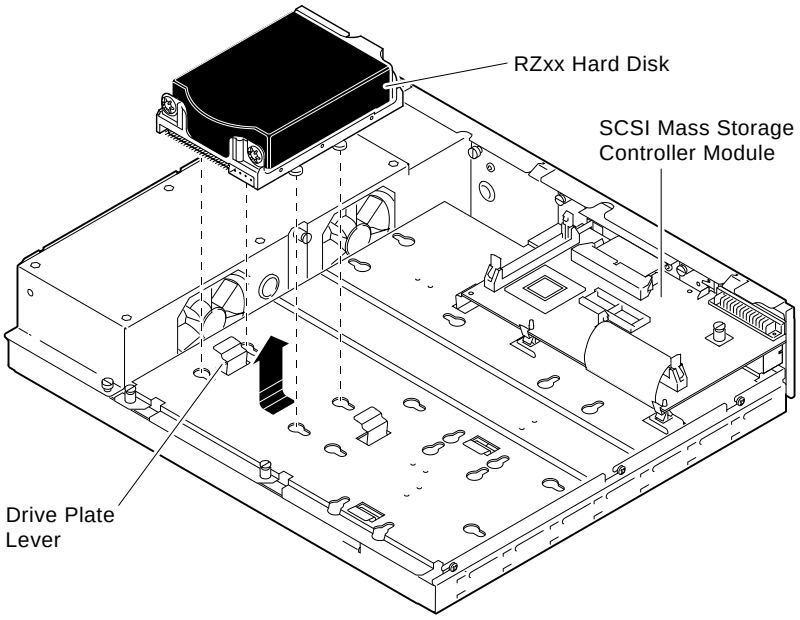
To remove an RZ2*x* disk drive from the model 30 or 38, do the following and refer to Figure 2–2:

1. Disconnect the SCSI and power cable from the disk drive.
2. Push down the drive plate lever and slide the RZ2*x* disk drive over the lever until the fixed disk drive comes up and out of the keyholes on the plate.
3. Remove the mounting plate from the drive. The RZ2*x* drives have a different mounting plate when installed in the VAXstation 4000 system unit.

Model 30 Only:

Remove the drive plate first to access the screws that hold the drive to the drive plate. (See Figure 2–5.)

Figure 2–2 Removing RZ2*x* Fixed Disk Drives from the Drive Plate



Note

If there are three disk drives on the drive plate, you must remove the mass storage controller module from the drive plate to remove the third drive. Otherwise, just disconnect the cables going to the mass storage controller to remove the drive plate from the system unit.

Remove the Mass Storage Controller

To remove the mass storage controller module from the Model 30 or 38, do the following and refer to Figure 2–3 and Figure 2–4:

1. Loosen the captive screw on the SCSI mass storage controller module.
2. Pull the post-lock latches under the front edge of the SCSI controller module outward and lift the front of the module up until it is free.
3. Disconnect the SCSI system cable on the SCSI mass storage controller module.
4. Disconnect the SCSI signal cable from Port A and Port B on the controller module by pulling the latches on the SCSI connector outward and then remove the SCSI signal cables.
5. Remove the SCSI mass storage controller module from the drive plate by rotating it to the right as shown in Figure 2–4. Slide the SCSI mass storage controller module forward, away from the back of the drive plate.

Figure 2–3 SCSI Mass Storage Controller Module Cables

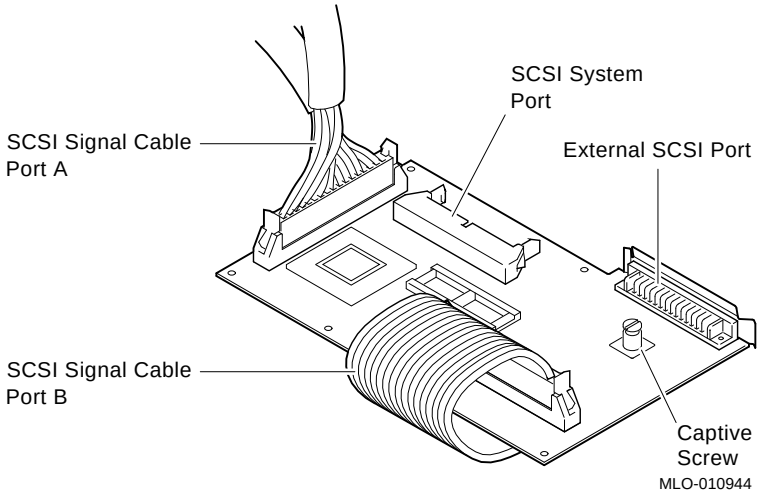
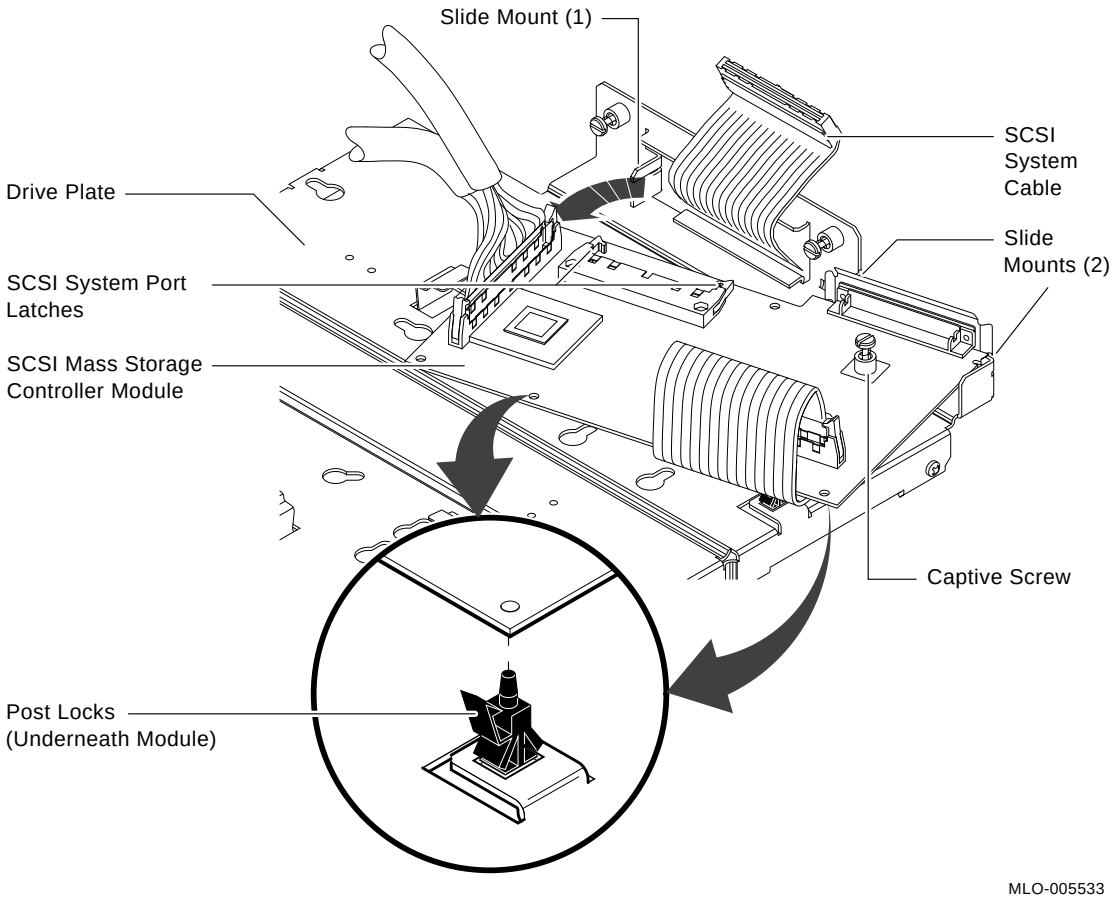


Figure 2–4 Removing the SCSI Mass Storage Controller Module



Caution:

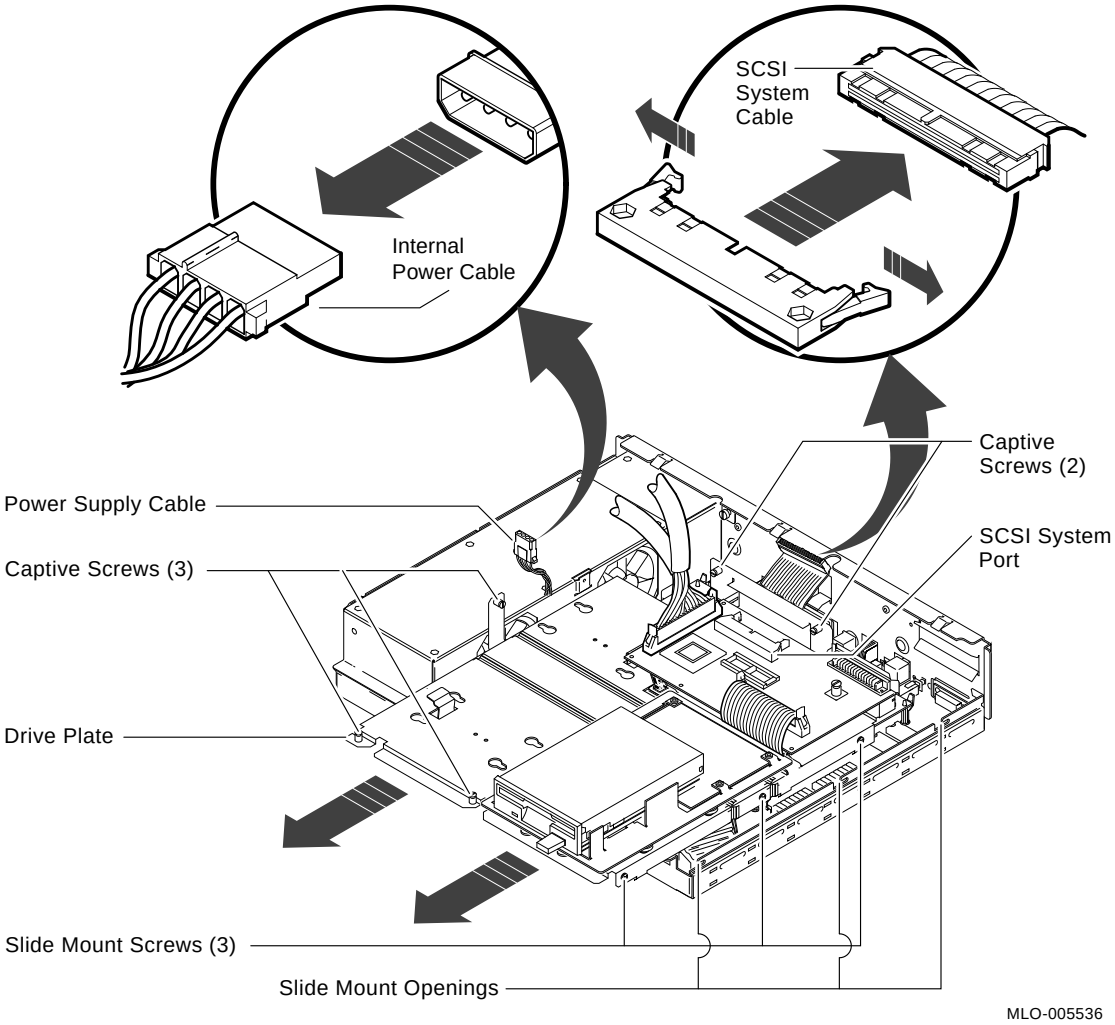
When you remove the lower drive plate from the system unit, do not make contact with the circuit boards under the drive plate, such as the system board and the memory boards. Contact between the drive plate and the circuit boards could cause the circuit boards irreparable damage.

Remove the Drive Plate

To remove the drive plate, do the following and refer to Figure 2–5:

1. Disconnect the internal power cable from the internal power supply.
2. Disconnect the SCSI system cable from the SCSI system port (if it has not already been done).
3. Loosen the five captive screws.
4. Loosen the three Phillips-head slide mount screws on the side of the drive plate.
5. Slide the drive plate towards the front of the system unit and lift it up and out.

Figure 2–5 Removing the Drive Plate from a Model 30 or 38 System



Before You Continue

If you are not upgrading the Ethernet ROM, go to Chapter 5 to complete this upgrade.

Continue with the next section, Removing the Ethernet ROM, *only* if you want to maintain the same Ethernet address in the VAXstation 4000 system.

Removing the Ethernet ROM

To access the Ethernet ROM you must remove the scanline coprocessor module.

Note

Depending on the system configuration, the Model 30 or 38 system can have two types of coprocessor modules: the graphics coprocessor module or the scanline coprocessor module. These two modules are similar except for a couple features. To remove the scanline coprocessor, you must remove three screws from the mounting brackets, then release the tabs from the post locks. The graphics coprocessor has only four post locks with tabs holding it to the system board.

Remove the Scanline Coprocessor

To remove the scanline coprocessor module, do the following and refer to Figure 2–6 and Figure 2–7:

1. Remove the three screws on the mounting brackets that attach the coprocessor to the system board. The mounting brackets stay attached to the system board.

2. Remove the scanline coprocessor from the four post locks by pulling back the post lock tabs.

Caution:

Do not grasp the scanline coprocessor module by the corners when you are lifting it up to remove it from the system board. The timing buffer chip located underneath the scanline coprocessor module can become easily damaged by any pressure exerted on it.

Figure 2–6 Scanline Coprocessor Mounting Brackets

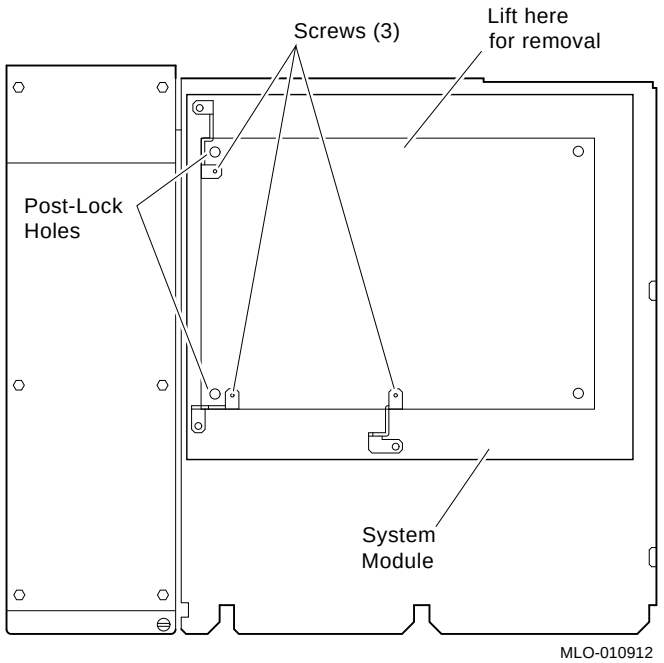
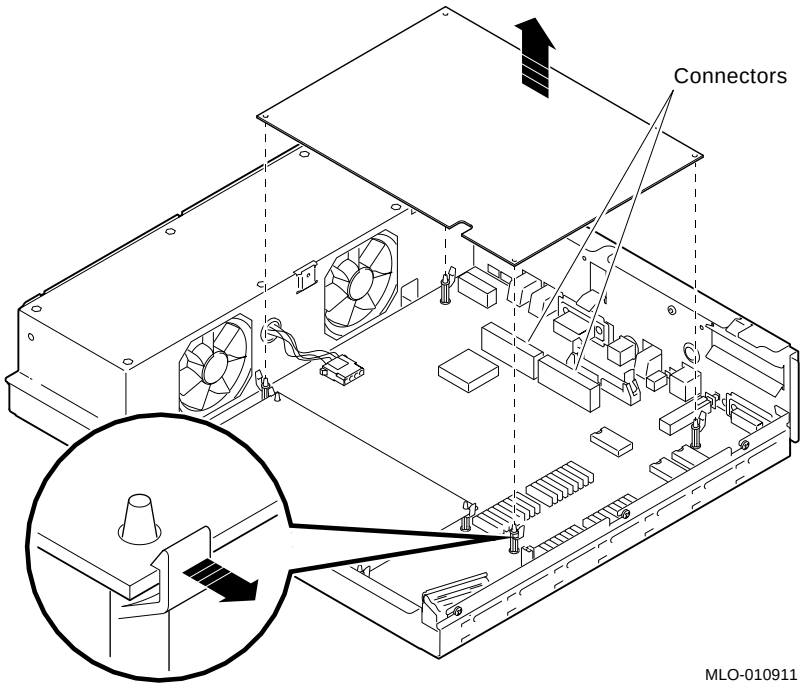


Figure 2–7 Removing the Scanline Coprocessor from the Model 30 and 38 System



3. Grasp the center of the scanline coprocessor module next to the two connectors, and lift it up and off the system board.
4. Set the scanline coprocessor on an antistatic mat. You can replace this module after removing the Ethernet ROM.

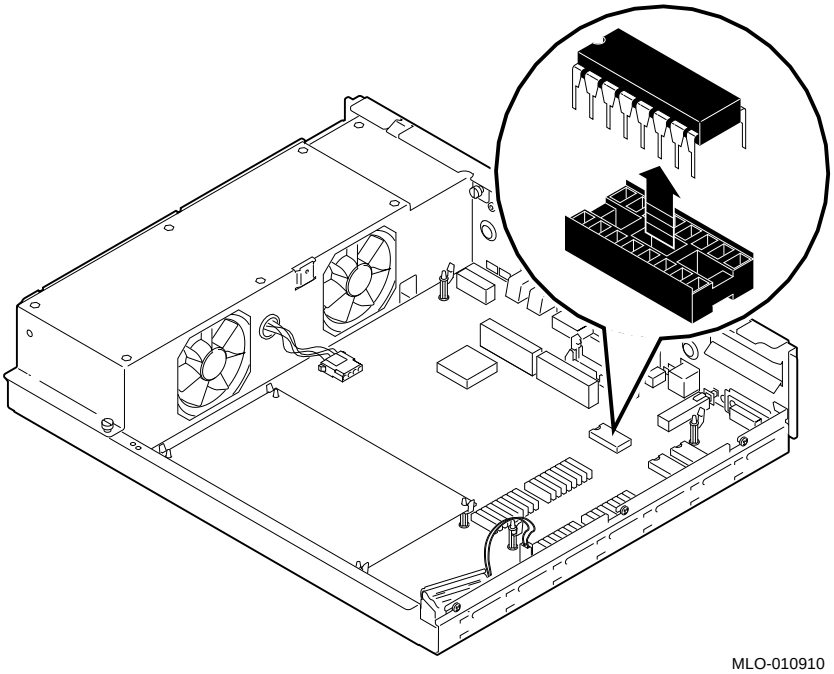
Remove the Ethernet ROM

Caution

When removing the Ethernet ROM from the system board, antistatic precaution must be adhered to.

Refer to Figure 2–8 to remove the Ethernet ROM.

Figure 2–8 Removing the Ethernet ROM from the Model 30 and 38 System



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Set the Ethernet ROM on an antistatic mat until you are ready to install it in the VAXstation 4000 system.

3

Removing Options from a Model 40 and 48 Workstation

Purpose

The purpose of this chapter is to provide upgrade information so that a Digital service representative or knowledgeable Digital customer can upgrade an existing VAXstation 3100 Model 40 or 48 workstation to a VAXstation 4000 Model 60 or 90 workstation.

Caution:

Only a Digital service representative or qualified self–maintenance customer should perform this upgrade. You must have a working knowledge of and experience working on the internal hardware devices of a VAXstation 3100 system. If you are not qualified to perform this upgrade, call your Digital service representative to schedule an upgrade.

Chapter Content

This chapter describes how to remove options from a Model 40 or Model 48 workstation. These two models are very similar in structure. When there are differences in the upgrade instructions they are called out with a **Note** specifying the differences between the two models. This chapter contains the following information:

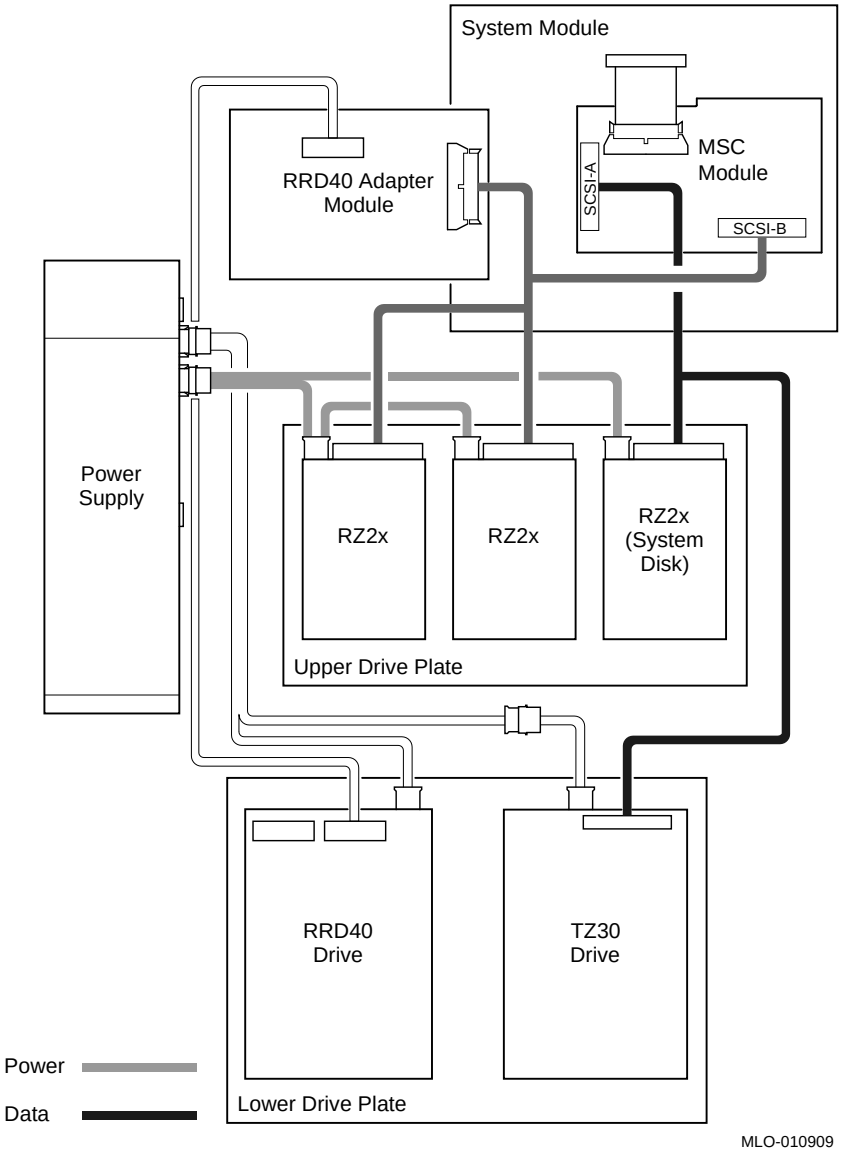
- Removing Fixed Disk Drives
- Removing the Ethernet ROM

Removing Fixed Disk Drives

Typical Drive Plate Layout

There are several possible drive plate configurations for the Model 40 and 48, including two different types of drive plates. There are also different kinds of SCSI mass storage controllers depending on the model being upgraded. Figure 3–1 shows a common configuration of a Model 40 and 48 drive plate.

Figure 3–1 Common Configuration for a Model 40 and 48 Drive Plate



Remove the Upper Drive Plate

To remove the upper drive plate, do the following and refer to Figure 3–2 and Figure 3–3:

1. Disconnect the SCSI signal cables from all the RZ2*x* disk drives.
2. Disconnect the internal power cables from all the RZ2*x* disk drives.
3. Disconnect the internal power cable from the power supply.
4. Disconnect the SCSI signal cable from the SCSI/ST506 mass storage module.
5. Lift the RRD40 adapter module from the four plastic standoffs. Let the module extend over the back of the system unit.
6. Loosen the five captive screws shown in Figure 3–3.
7. Slide the drive plate with attached disk drives forward and lift it off the unit.

Figure 3–2 Disconnecting the SCSI and Power Cables

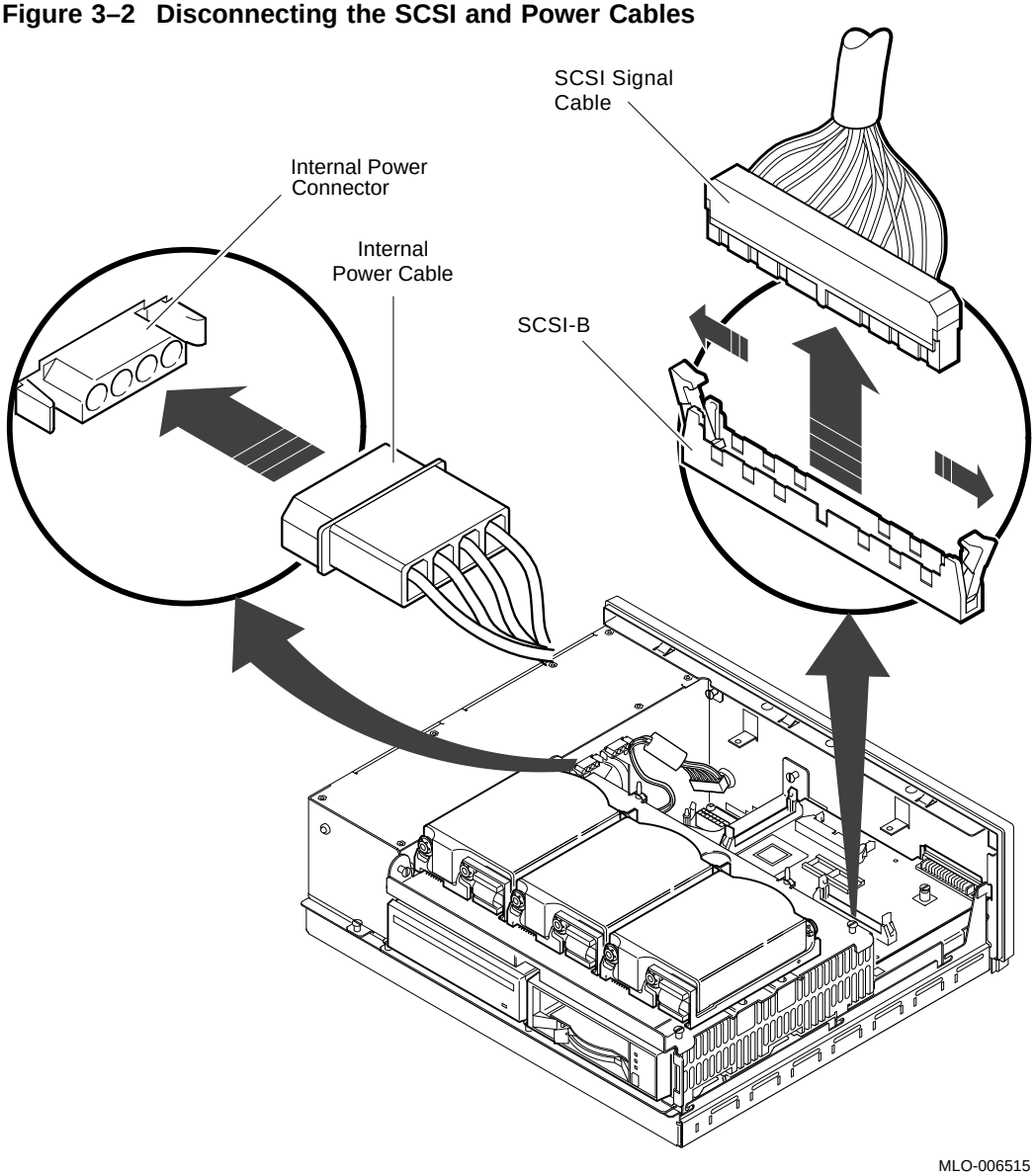
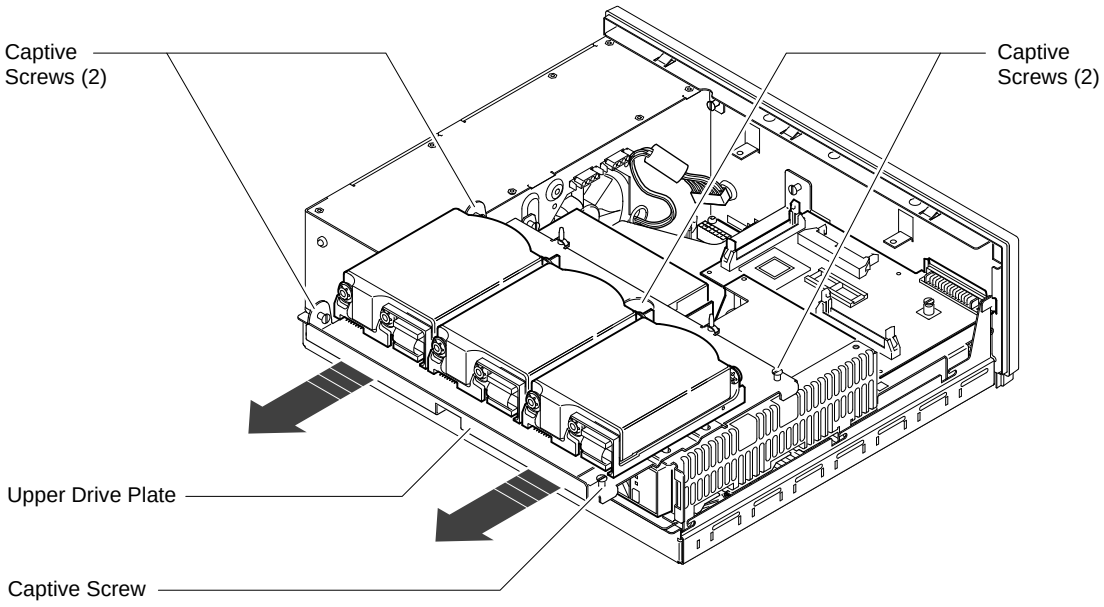


Figure 3–3 Removing the Upper Drive Plate from the Model 40 and 48 System



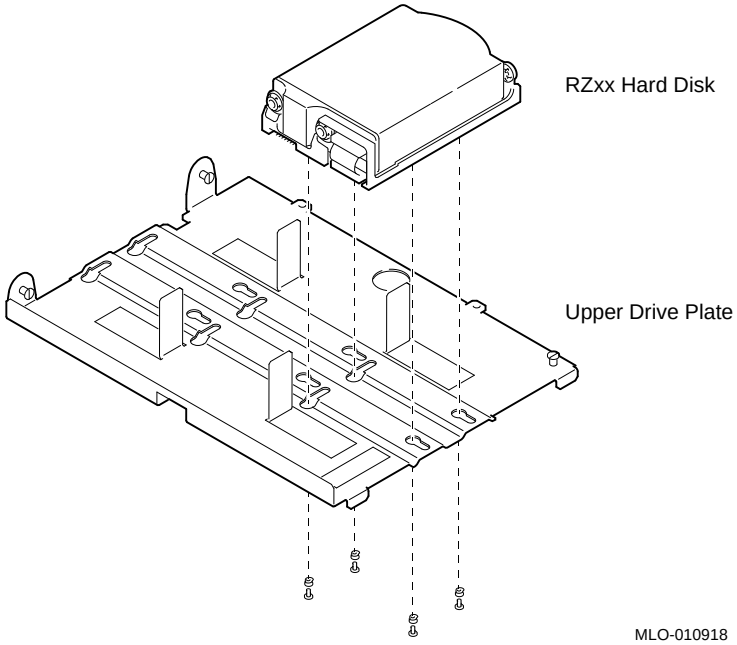
Remove RZ2*x* Disk Drives

Remove the supported RZ2*x* disk drives from the upper drive plate. Two of these drives can be installed into the VAXstation 4000 system unit.

To remove the RZ2*x* disk drives from the upper drive plate, do the following and refer to Figure 3–4:

1. Turn the Model 40 or 48 upper drive plate over so the RZ2*x* drives are facedown.
2. Using a Phillips-head screwdriver, unscrew the four screws that hold each drive to the drive plate. Support each drive with one hand when removing the last screw.
3. Set the drives aside for installation in the VAXstation 4000 system later.

Figure 3–4 Removing RZ2*x* Fixed Disks from the Drive Plate



You do not need to save the screws and grommets removed from the drive plate. The VAXstation 4000 upgrade kit includes special mounting plates for the RZ2*x* disk drives.

Before You Continue

If you are not upgrading the Ethernet ROM, go to Chapter 5 to complete this upgrade.

Continue with the next section, Removing the Ethernet ROM, *only* if you want to maintain the same Ethernet address in the VAXstation 4000 system.

Removing the Ethernet ROM

To access the Ethernet ROM you must remove the lower drive plate and the scanline coprocessor.

Caution:

When you remove the lower drive plate from the system unit, do not make contact with the circuit boards under the drive plate, such as the system board and the memory boards. Contact between the drive plate and the circuit boards could cause the circuit boards irreparable damage.

Remove the Lower Drive Plate

To remove the lower drive plate from the system unit, do the following and refer to Figure 3–5 and Figure 3–6:

1. Remove the RRD40 adapter module by disconnecting the cable from the SCSI bus and the RRD40 compact disk drive.
2. Disconnect the internal power cable from the TZ30 tape drive (if installed).
3. Disconnect the SCSI signal cable on the TZ30 from the mass storage controller (if installed).
4. Disconnect the internal power cable from the RRD40 compact disk.
5. Loosen the four captive screws and the three slide mount screws shown in Figure 3–6. Do not remove the screws.
6. Slide the lower drive plate forward, then lift the plate from the system unit.

Figure 3–5 Lower Drive Plate Configuration

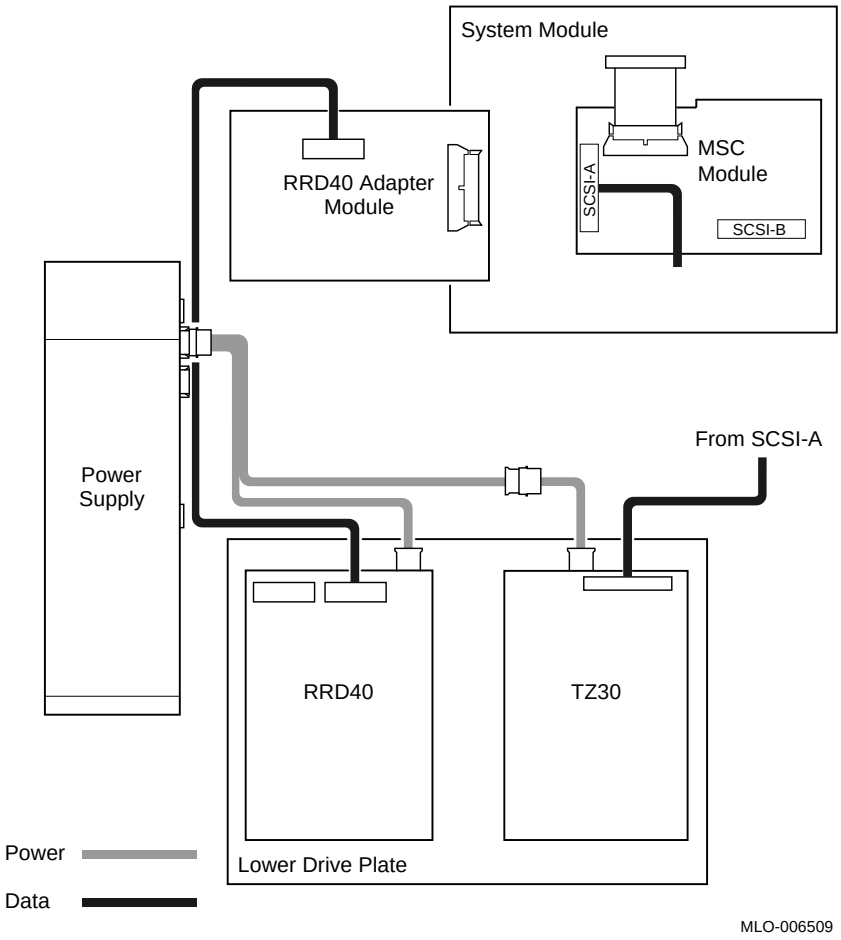
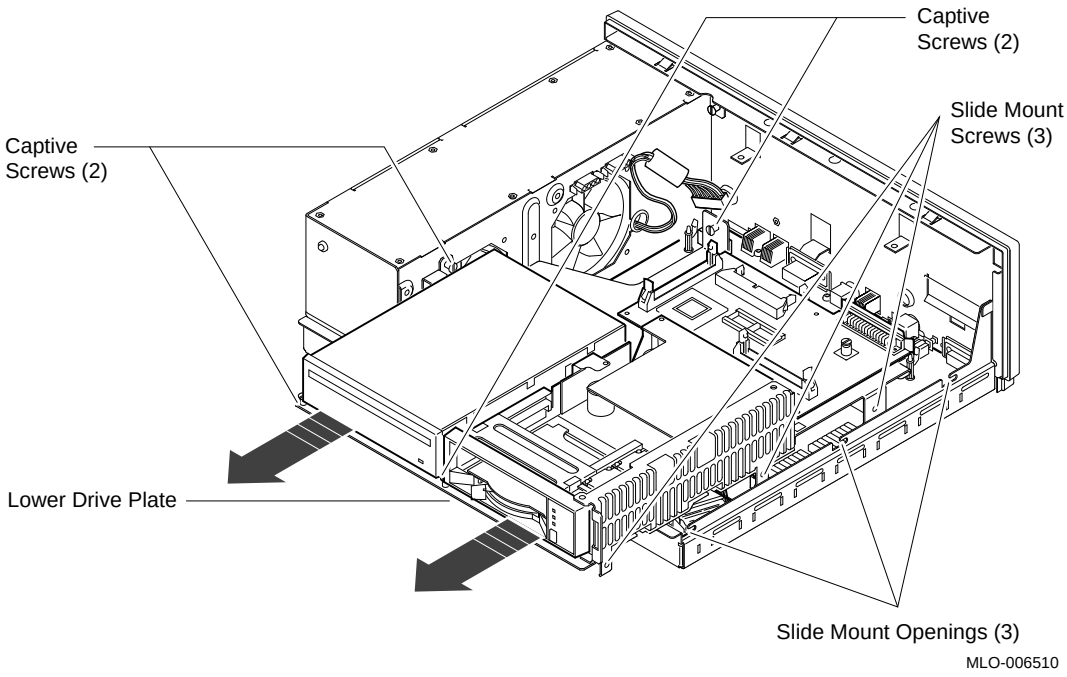


Figure 3–6 Removing the Lower Drive Plate



Note

Depending on the system configuration, the Model 40 or 48 system can have two types of coprocessor modules: the graphics coprocessor module or the scanline coprocessor module. These two modules are similar except for a couple features. To remove the scanline coprocessor, you must remove three screws from the mounting brackets, then release the tabs from the post locks. The graphics coprocessor module has only four post locks with tabs holding it to the system board.

Remove the Scanline Coprocessor

To remove the scanline coprocessor module, do the following and refer to Figure 3–7 and Figure 3–8:

1. Unscrew and remove the three screws on the mounting brackets that attach the coprocessor to the system board. The mounting brackets remain attached to the system board.
2. Remove the scanline coprocessor from the four post locks by pulling back the post lock tabs.

Caution:

Do not grasp the scanline coprocessor module by the corners when you are lifting it up to remove it from the system board. The timing buffer chip located underneath the scanline coprocessor module can become easily damaged by any pressure exerted on it.

3. Grasp the center of the scanline coprocessor module next to the two connectors, and lift it up and off the system board.
4. Set the scanline coprocessor on an antistatic mat. Replace this module after the removing Ethernet ROM.

Figure 3–7 Scanline Coprocessor Mounting Brackets

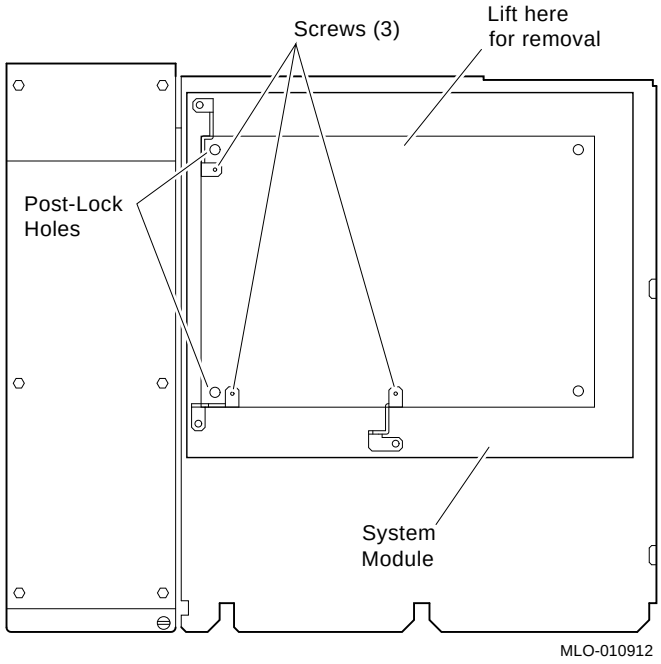
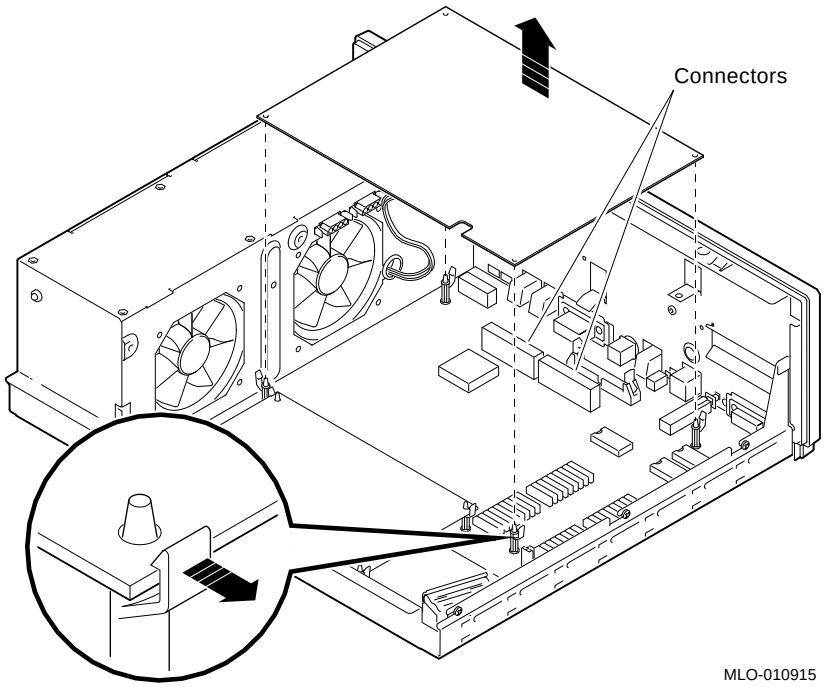


Figure 3–8 Removing the Scanline Coprocessor from the Model 40 and 48 System



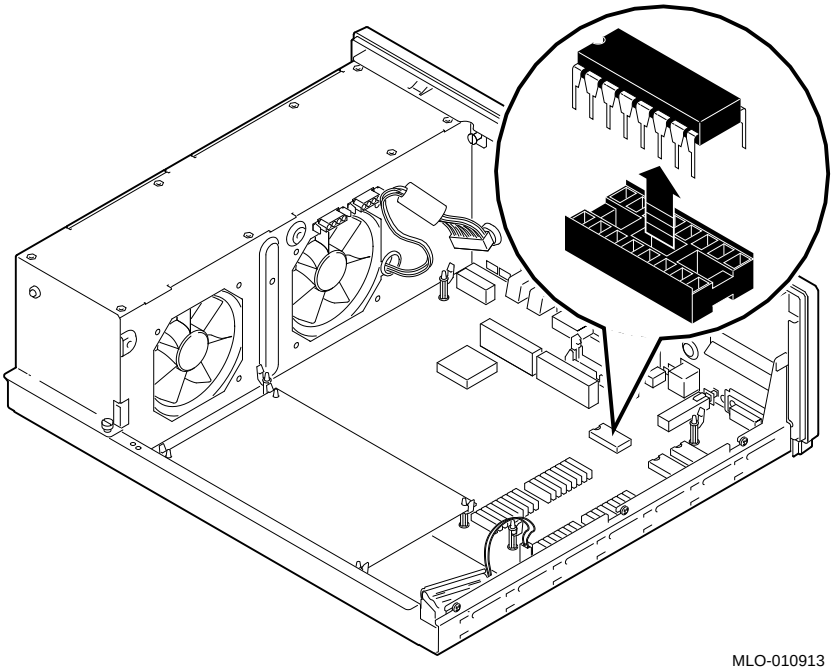
Remove the Ethernet ROM

Caution

When removing the Ethernet ROM from the system board, antistatic precaution must be adhered to.

Remove the Ethernet ROM, as shown in Figure 3–9.

Figure 3–9 Removing the Ethernet ROM from the Model 40 and 48 System



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Set the Ethernet ROM on an antistatic mat until you are ready to install it in the VAXstation 4000 system.

4

Removing Options from a Model 76 Workstation

Purpose

The purpose of this chapter is to provide upgrade information so that a Digital service representative or knowledgeable Digital customer can upgrade an existing VAXstation 3100 Model 76 workstation to a VAXstation 4000 Model 60 or 90 workstation.

Caution:

Only a Digital service representative or qualified self–maintenance customer should perform this upgrade. You must have a working knowledge of and experience working on the internal hardware devices of a VAXstation 3100 system. If you are not qualified to perform this upgrade, call your Digital service representative to schedule an upgrade.

Chapter Content

This chapter contains the following procedures:

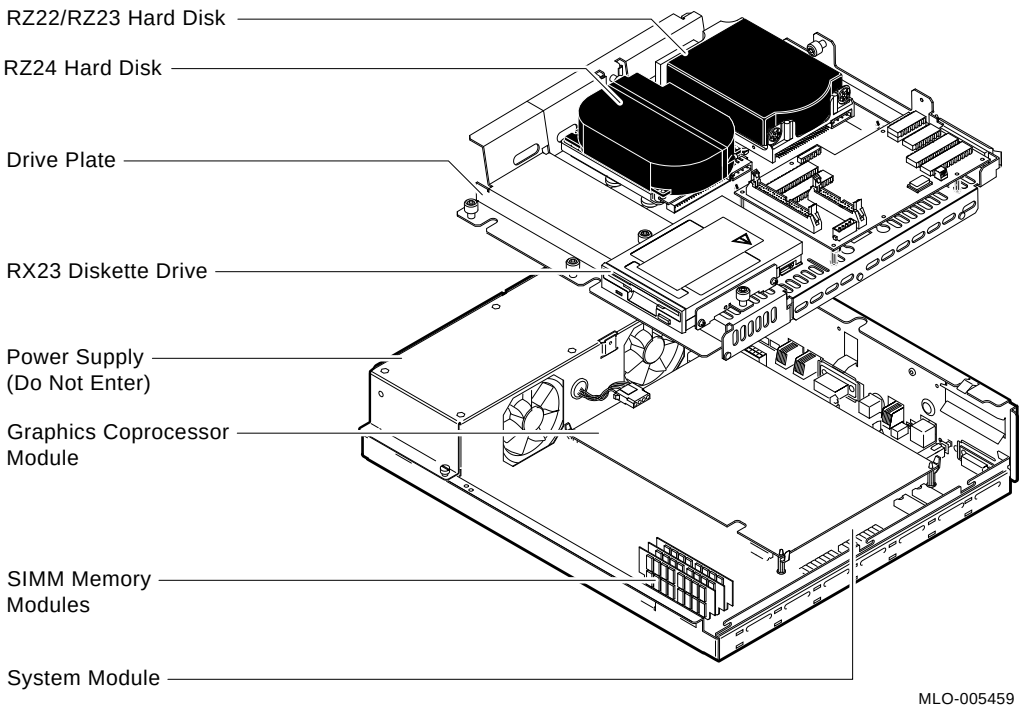
- Removing Fixed Disk Drives
- Removing Memory Modules
- Removing the Ethernet ROM

Removing Fixed Disk Drives

Typical Drive Plate Layout

There are several configurations for the Model 76 system unit. Figure 4–1 shows a common configuration for system devices and modules on a Model 76 system.

Figure 4–1 Common Configuration of the Model 76 Drive Plate



Note

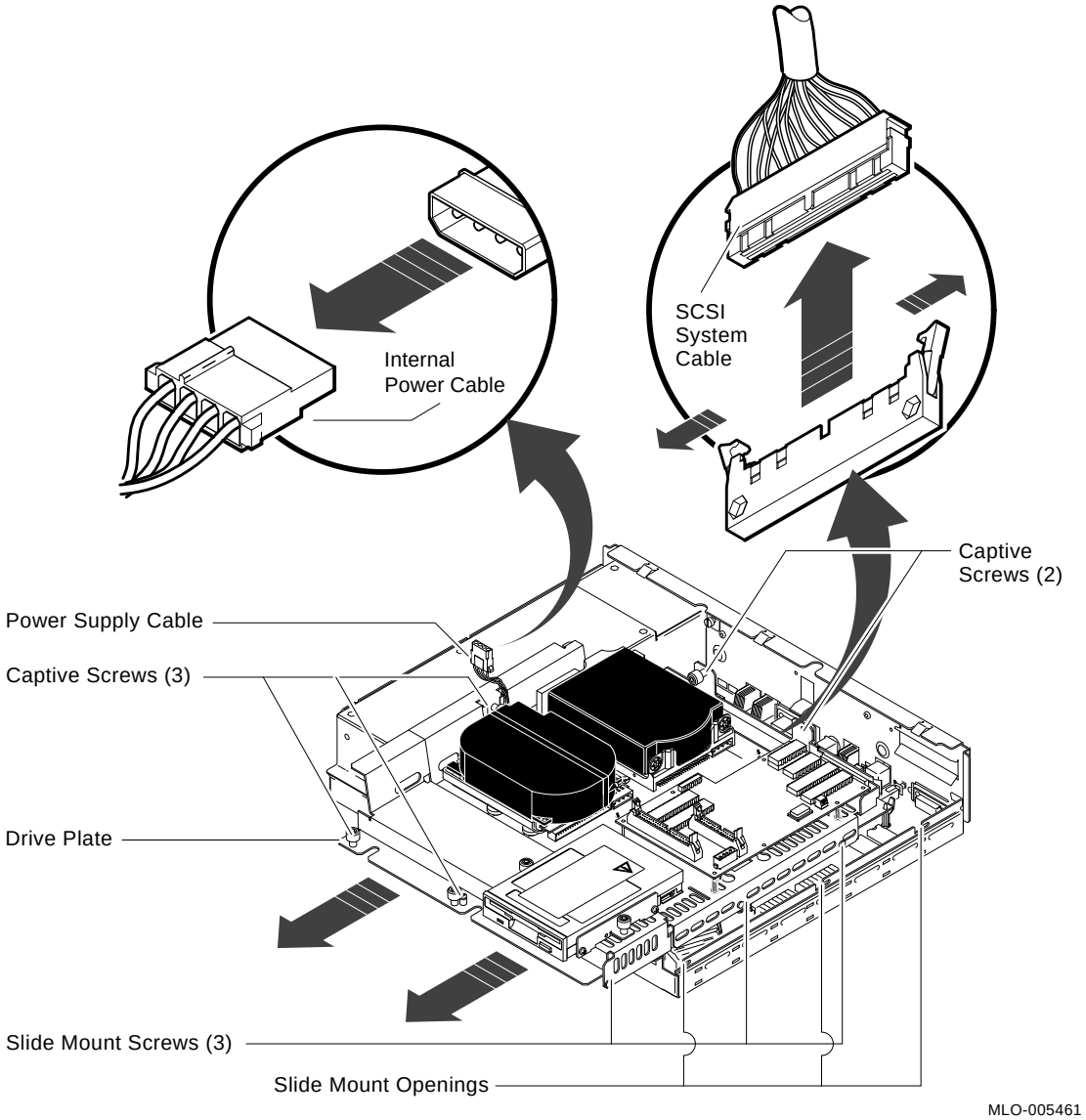
Figure 4–1 shows a Model 76 drive plate with an RX23 diskette drive installed. There may or may not be a diskette drive installed in your system.

Remove the Drive Plate

To remove a Model 76 drive plate, do the following and refer to Figure 4–2:

1. Connect the alligator clip from the wrist strap to the system unit.
2. Disconnect the internal SCSI power and signal cables from the RZ2*x* disk drives and the diskette drive, if present.
3. Disconnect the internal SCSI power cable from the power supply.
4. Disconnect the internal SCSI data cable from the system module.

Figure 4–2 Disconnecting the SCSI Signal and Power Cables



5. Loosen the five captive screws and the three Phillips-head slide mount screws on the drive plate. Do not remove the screws.

Caution:

When you remove the lower drive plate from the system unit, do not make contact with the circuit boards under the drive plate, such as the system board and the memory boards. Contact between the drive plate and the circuit boards could cause the circuit boards irreparable damage.

6. Remove the SCSI terminator access door and the SCSI terminator from the back of the system unit (if present).
7. Slide the drive plate towards the front of the system and lift it out of the system unit.

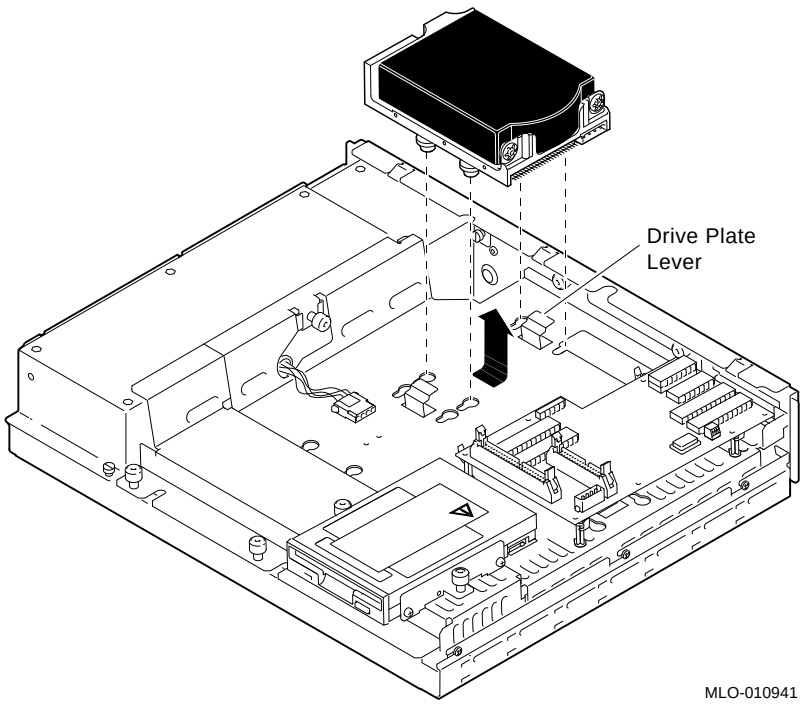
Remove RZ2*x* Disk Drives

Remove the supported RZ2*x* disk drives from the drive plate. Two of these drives may be installed into the VAXstation 4000 system unit.

To remove the RZ2*x* disk drives from the drive plate, do the following and refer to Figure 4–3:

1. Push down on the drive plate lever.
2. Push down on the RZ2*x* disk drive and slide it over the drive plate lever.
3. Lift the disk drive up and off the drive plate. Place the disk drives aside.

Figure 4–3 Removing RZ2*x* Fixed Disks from the Drive Plate



Removing Memory Modules

The memory modules can be removed from the Model 76 system board and installed into the VAXstation 4000 system.

Memory Configurations

Memory board allocation on the system board is divided into three banks. The first two sockets (closest to the front of the system) represent bank number one. The next two sockets represent bank number two, and the last two sockets are bank number three.

Caution:

Antistatic precautions must be adhered to when handling memory boards.

Remove the Modules

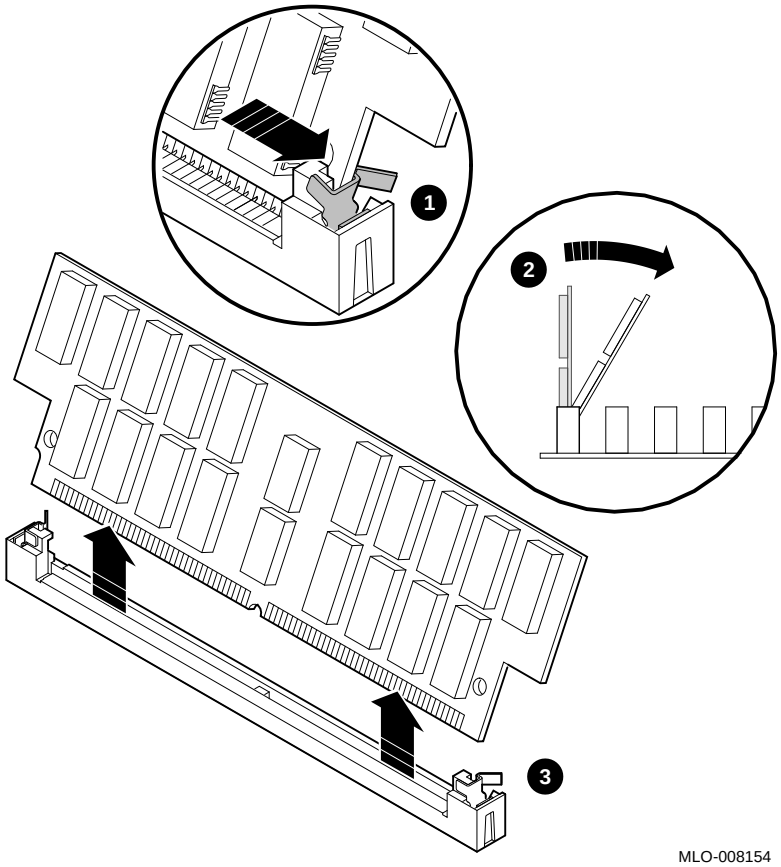
When removing modules, remove the rear-most module first (bank number three) and work towards the front of the memory stack.

To remove the memory modules from the Model 76 system, do the following and refer to Figure 4–4:

1. Release the metal clips at each end of the memory module and tilt the module back at an angle.

2. Grasp the memory module by the edges and remove it from the module socket. Place the memory modules on an antistatic mat.

Figure 4–4 Removing Memory Boards from the Model 76 System



Before You Continue

If you are not upgrading the Ethernet ROM, go to Chapter 5 to complete this upgrade.

Continue with the next section, Removing the Ethernet ROM, *only* if you want to maintain the same Ethernet address in the VAXstation 4000 system.

Removing the Ethernet ROM

To access the Ethernet ROM you must remove the graphics coprocessor module.

Note

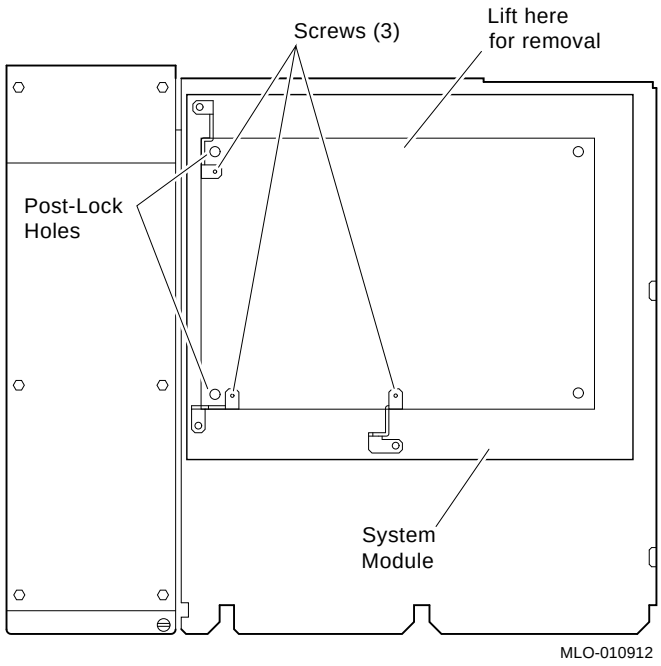
Depending on the system configuration, the Model 76 system can have two types of coprocessor modules: the graphics coprocessor module and the scanline coprocessor module. These two modules are similar except for a couple features. To remove the scanline coprocessor, you must remove three screws from the mounting brackets, then release the tabs from the post locks. The graphics coprocessor module has only four post locks with tabs holding it to the system board.

Remove the Scanline Coprocessor

To remove the scanline coprocessor module from the system board, do the following and refer to Figure 4–5 and Figure 4–6:

1. Unscrew and remove the three screws on the mounting brackets that attach the coprocessor to the system board. The mounting brackets remain attached to the system board.

Figure 4–5 Scanline Coprocessor Mounting Brackets



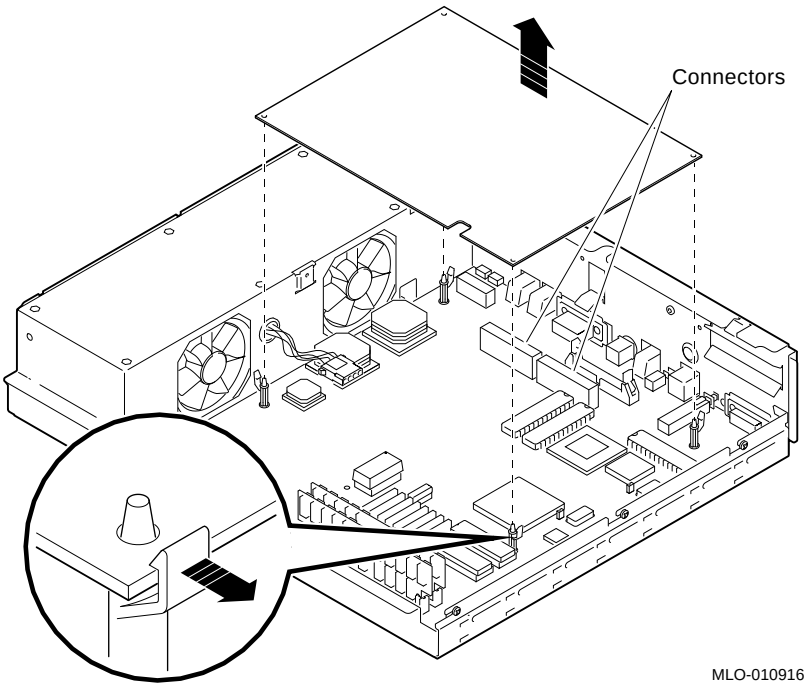
2. Remove the scanline coprocessor from the four post locks by pulling back the post lock tabs.

Caution:

Do not grasp the scanline coprocessor module by the corners when you are lifting it up to remove it from the system board. The timing buffer chip located underneath the scanline coprocessor module can become easily damaged by any pressure exerted on it.

3. Grasp the center of the scanline coprocessor module next to the two connectors, and lift it up and off the system board.
4. Set the scanline coprocessor on an antistatic mat. Replace this module after removing the Ethernet ROM.

Figure 4–6 Removing the Scanline Coprocessor from the Model 76 System



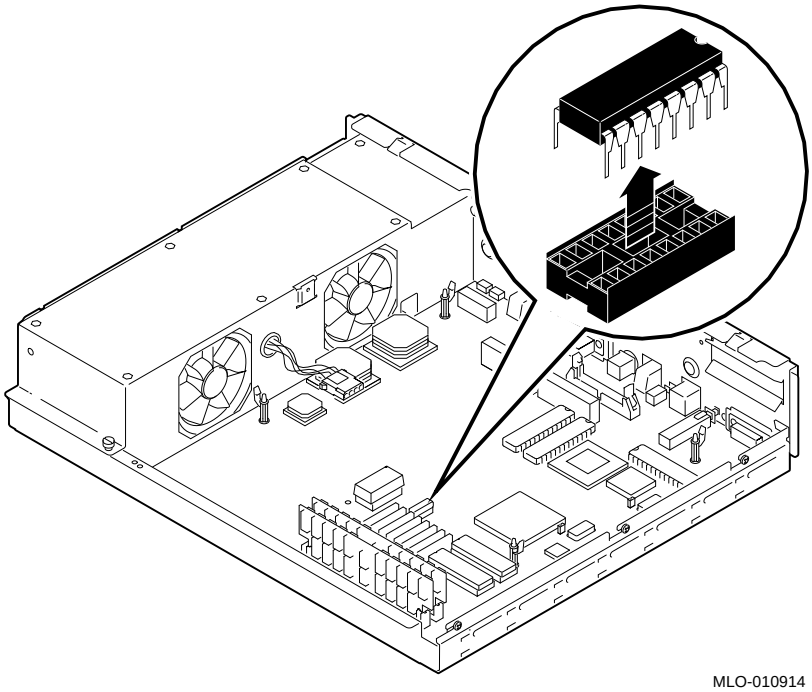
Remove the Ethernet ROM

Caution

When removing the Ethernet ROM from the system board, antistatic precaution must be adhered to.

Remove the Ethernet ROM as shown in Figure 4–7.

Figure 4–7 Removing the Ethernet ROM from the Model 76 System



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Set the Ethernet ROM on an antistatic mat until you are ready to install it in the VAXstation 4000 system.

5

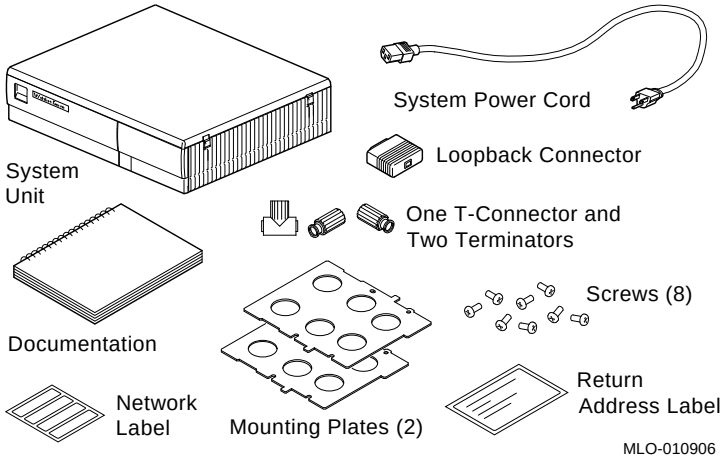
Completing the System Upgrade

Preparing the VAXstation 4000 System

Unpack the New System

Figure 5–1 shows the contents of a VAXstation 4000 Model 60/90 system kit.

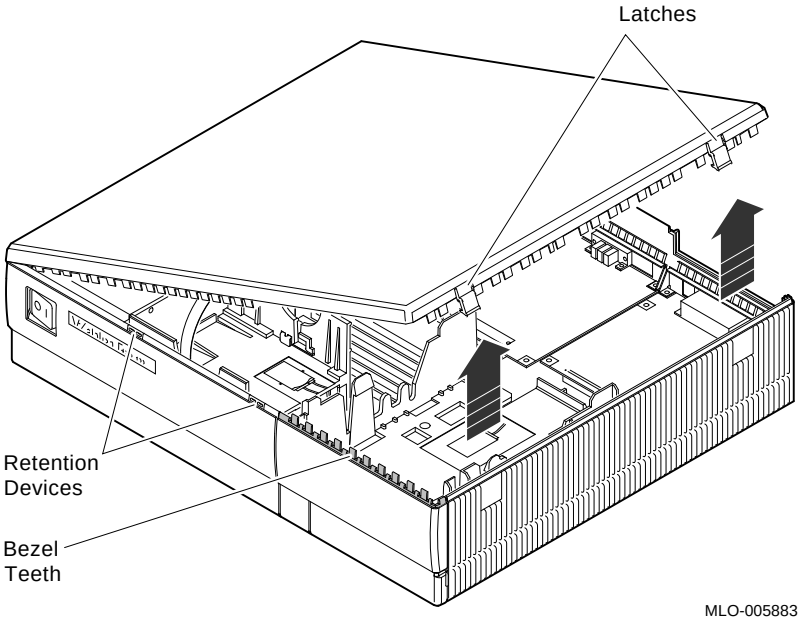
Figure 5–1 VAXstation 4000 Model 60/90 System Upgrade Kit



Remove the System Unit Cover

Remove the system unit cover by carefully releasing the latches on the right side of the cover, then lifting the cover up and away, as shown in Figure 5–2.

Figure 5–2 Removing the VAXstation 4000 System Unit Cover

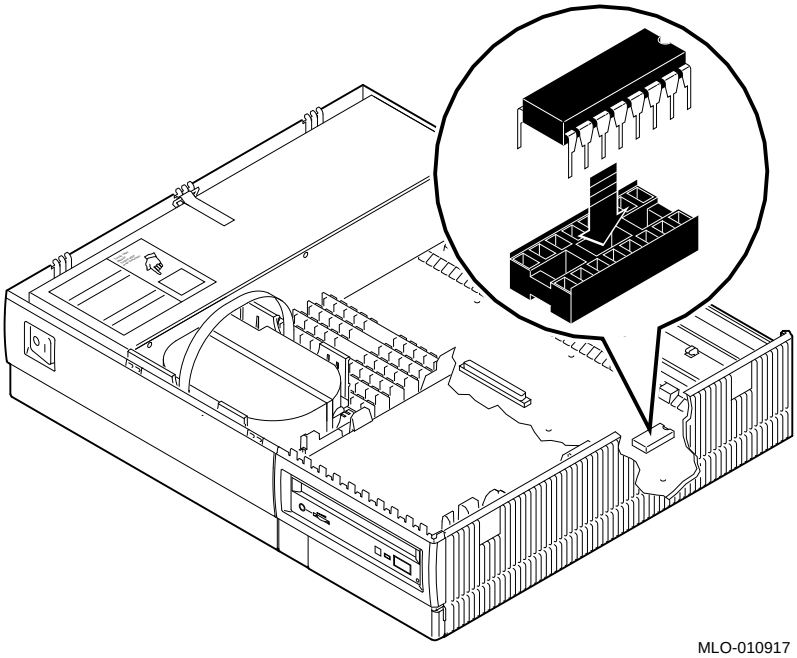


Installing Options in the VAXstation 4000 System

Ethernet ROM

If you are moving the Ethernet ROM from the VAXstation 3100 system to the VAXstation 4000 system, make sure the notch on the ROM lines up with the notch on the connector, as shown in Figure 5–3.

Figure 5–3 Installing the Ethernet ROM in the VAXstation 4000 System



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Note:

This is an optional step. Move the Ethernet ROM *only* if you want to maintain the same VAXstation 3100 Ethernet address in the VAXstation 4000 system.

Install the Memory Modules

See the *VAXstation 4000 Options Installation Guide* to install memory modules in the system unit.

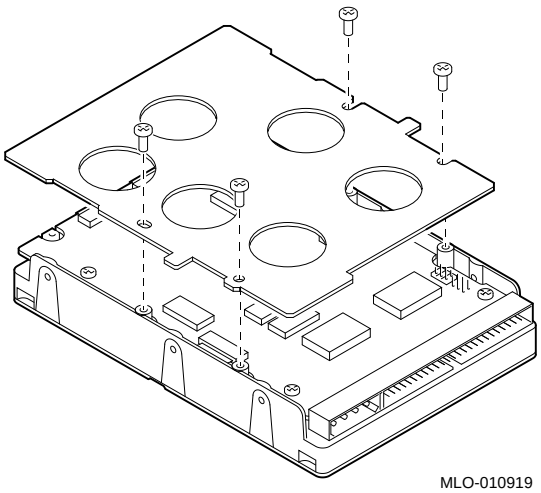
Caution

Read the documentation carefully; memory configurations differ between the Model 60 and the Model 90.

Install Disk Drives

Prepare each drive for installation by attaching each mounting plate that came in the system kit, as shown in Figure 5–4.

Figure 5–4 Attaching a Mounting Plate to a Disk Drive



See the *VAXstation 4000 Options Installation Guide* to install hard disk drives in the system unit.

Installing the VAXstation 4000 System

Set Up the System

See the *VAXstation 4000 System and Owner's Guide* to install and turn on that system in the following order:

1. Monitor (Note that the monitor power does not turn on when the system unit is turned on.)
2. Printer and modem
3. Storage and expansion boxes
4. System unit

Test Installation

At the console prompt (>>>) you can enter the SHOW CONFIG command to access information about the following:

- Ethernet address
- Memory size
- SCSI device IDs

Returning the VAXstation 3100 System to Digital

Pack the System

Pack the VAXstation 3100 system unit securely in the packaging from the VAXstation 4000 system. Attach the return-address label that came in the system kit.

Service Contract

Upgrade the hardware service contract to the VAXstation 4000 Model 60/90 system.

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