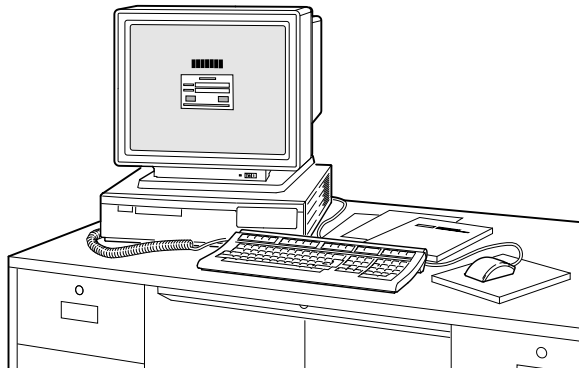


DECstation 5000
Model 1xx to DEC
3000 Model 300 AXP



Upgrade Instructions



Part Number: EK-DS513-UP. A01

Options You Can Upgrade

	Can Upgrade	Cannot Upgrade
Drives:	RZ23L, RZ24L RZ24, RZ25 RZ26 RZ55 (e) RZ56 (e) RZ58 (e) RRD42 (t) TLZ04 (e) TLZ06 (t) TKZ08 ¹ (e) TKZ09 ¹ (e) TSZ07 ¹ (e) TZK10 ¹ (e) TZ30 (e)	RZ57 RX23 RX33 TK50Z RRD40 RW100
Expansion Boxes:	PMTcE** SZ03 SZ12 SZ16	
Input Devices:	VSXXX-AA/AB VSXXX-GA/GB VSXXX-FA/JA VSXXX-XX VSX10-AA/A3* VSX20-AA/A3* VSX30-AA/A3*	LK501 VSXXX-BB

(e) Supported in external device only.

(t) Supported in external device including tabletop.

¹Support planned.

*DEC Open3D required for software support.

**Minimum revision of host module must be D03.

Options You Can Upgrade

	Can Upgrade	Cannot Upgrade
Graphics Modules:	PMAGB-BA/BB PMAGB-BC/BD PMAGB-JA/JB PMAG-GB/HA PMAGB-BE/BF PMAGB-DA/DB* PMAGB-EA/EB* PMAGB-FA/FB ²	PMAG-AA/AB PMAG-DA/DB AV10U-AA/DA PMAG-EA/EB PMAG-FA/FB PMAGB-ED/EC PMAGB-DC/DD PMAG-CA/CB PMAG-JA/JB PMAG-BA/BB
Memory:	None	
Monitors:	VR319-Dx VR320-Dx VRC16-Cx/Hx VRM17-Ax/Hx VRT16-Hx VRT19-Hx	VR262-Ax VR290-Dx VR297-Dx VR299-Dx VRT19-Dx VR319-Cx VR320-Cx VRT16-Dx VRT13
TURBO-channel Devices:	DEFZA-AA ¹ PMAD-AA/AB	DEFZA-CA DSYT1-AB PMAZ-AA/AB

*DEC Open3D required for software support.

¹Support planned.

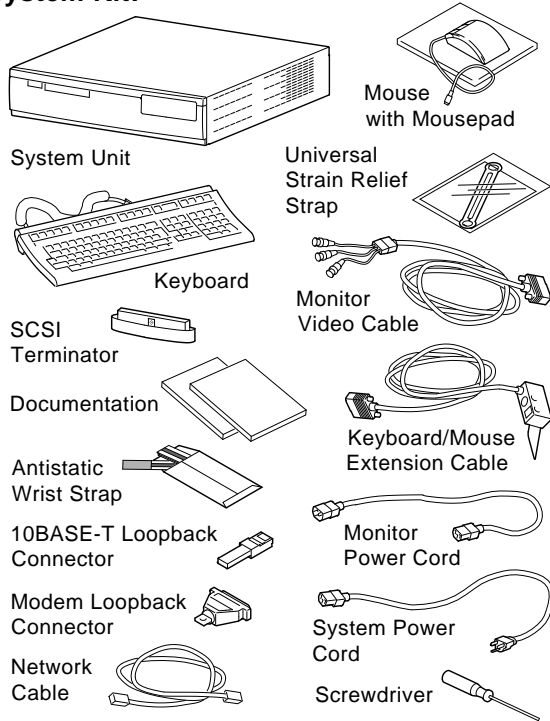
²DEC Open3D and PMTcE required for support.

x=variable model number

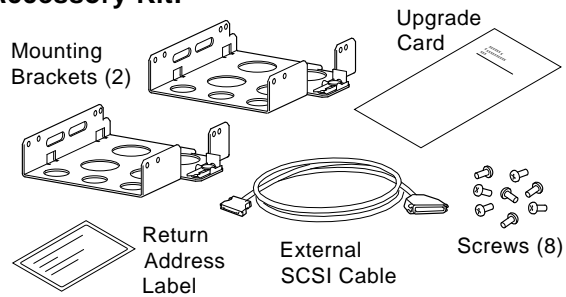
Check the Components Shipped

Your shipment should contain the following two kits:

System Kit:



Accessory Kit:



Record Your System SCSI IDs

If your DEC 3000 system has a factory-installed drive, you may need to change the SCSI ID setting on the drive you upgrade.

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

1. Enter the following command to shut down the software and put the system in console mode: `shutdown -h now`
2. Enter the `cnfg 3` command at the console prompt (`>>`). A screen similar to the following displays:

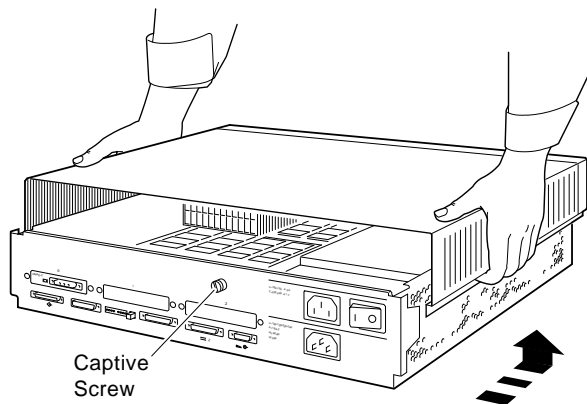
```
>>cnfg 3
3:   KN02   DEC  Vn.n   TCF0           (8 MB)
      (enet:  08-00-2b-30-14-df)
      (SCSI = 7)
-----
      DEV   PID      VID   REV   SCSI ID
=====
      rz2   RZ24   (C) DEC DEC 0700   DIR
      rz5   RRD42  (C) DEC DEC 0700   CD-ROM
      .
      .
```

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

Write down your system drive names and SCSI ID settings here:

Turn Off/Open the DECstation

1. Turn off the DECstation system by pressing **O** on the on/off switch on the back of the system unit. Wait 15 seconds for the monitor to discharge.
2. Disconnect all the cables from the back of the system unit.
3. Loosen the cover-release screw on the back of the system unit. This captive screw can be loosened but not removed.

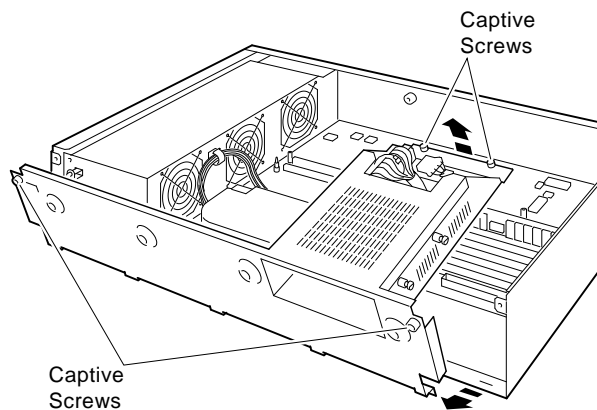


4. Grasp each side of the cover with your hands, and pull the cover straight toward the front about 2 inches (5.5 cm). Pull the cover up and set it aside.

CAUTION: To avoid damage from static discharge, always wear an antistatic wrist strap when working inside the system unit.

Remove the Front Drive Panel

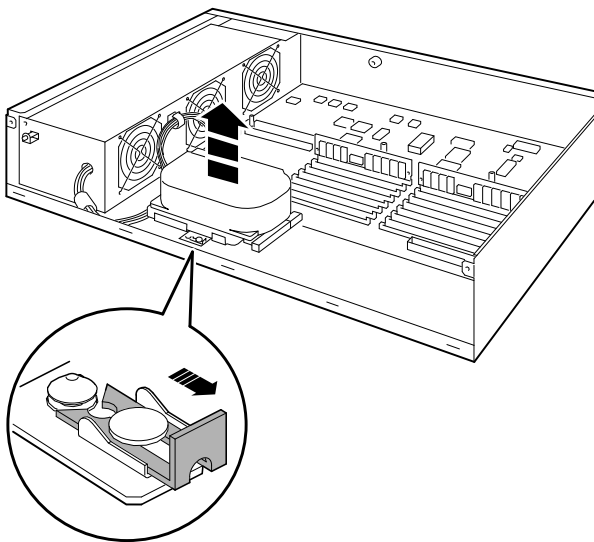
1. Loosen the two captive screws that hold the front drive panel in place.
2. Loosen the two captive screws on the back of the drive bracket.
3. If there is a drive inside the bracket, disconnect the SCSI and power cables from the drive.



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.

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.

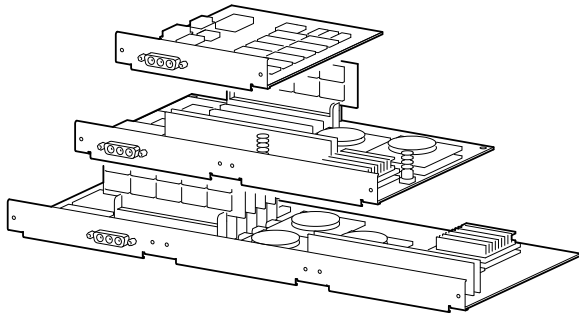


3. Unplug the power cable and SCSI cable from the drive. Pull on the SCSI cable connector flap to remove the connector.
4. Set the drives aside on an antistatic mat.
5. Put all the disconnected ends of the cables back into the system unit.

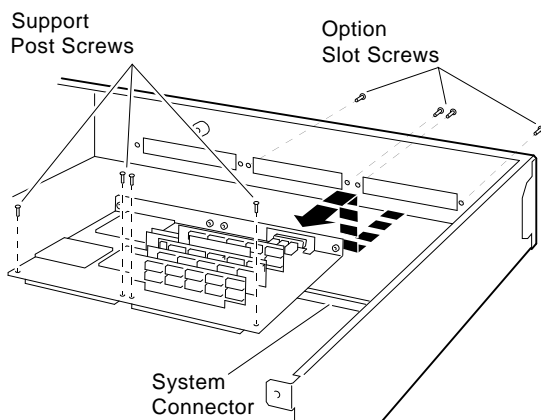
Remove Option Modules

Note: TURBOchannel options can be upgraded to the DEC 3000 Model 300 only.

TURBOchannel option modules and graphic option modules can be single, double, or triple width.



1. Remove the option slot screws and the support post screws.
2. Release the module from the system connector and lift the module out of the option slot opening.



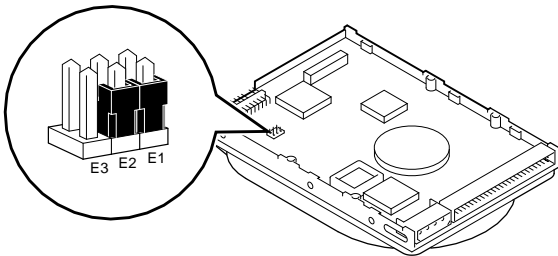
Set the SCSI IDs on the Drives

Note: Remove all drive mounting brackets by removing the four screws that secure the drive to the mounting bracket.

If your DEC 3000 system has a factory-installed disk drive, it is set to SCSI ID 3. Check the SCSI ID settings you noted earlier. If one of the drives you are upgrading is also set to SCSI ID 3, change the setting.

The SCSI ID settings for drives not shown here can be found in the *DEC 3000 Model 300/300L AXP Hardware Reference Guide*.

RZ23L Drive:



SCSI
Settings: 0



1



2



3



4



5

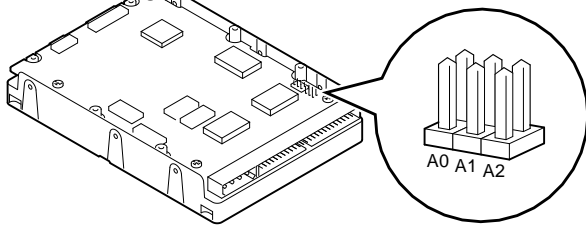


6

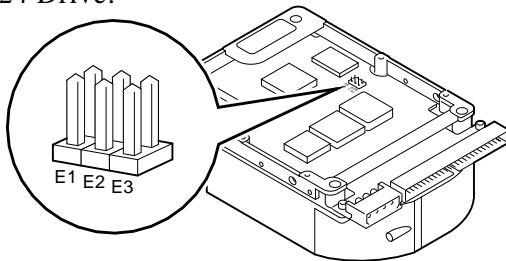


Set the SCSI IDs on the Drives

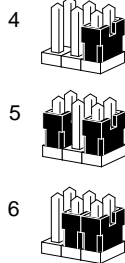
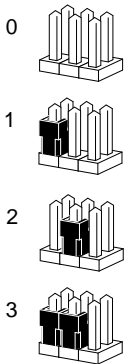
RZ24L Drive:



RZ24 Drive:



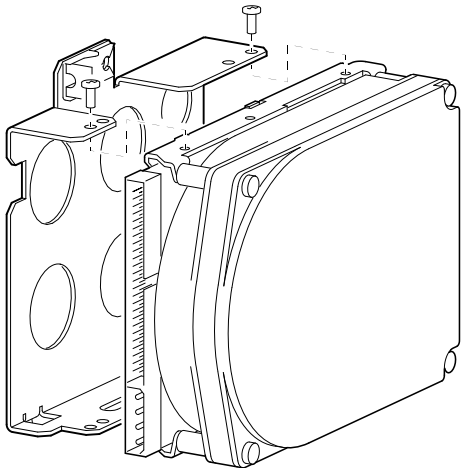
SCSI Settings: 0



Install New Mounting Bracket

Install the mounting bracket (from the accessory kit) on a disk drive as follows:

1. Stand the bracket on its side with the sliding latch facing up.
2. Place the drive in the bracket with the connectors facing you, as shown below.



3. Attach the two screws on each side of the drive bracket.

Note: When the bracket is attached correctly, there is space between the bottom of the drive and the bracket.

Complete the Upgrade

1. Follow the instructions in the *DEC 3000 Model 300/300L AXP Hardware Reference Guide* to install the options in your new system.
2. Follow the instructions in the *DEC 3000 Model 300/300L AXP Setting Up Your System* card to set up and install that system.
3. Test the installation by turning on your system and entering the `show device` command at the console prompt (`>>>`).

The options you upgraded should appear in the display. If an option does not display, it has not been installed properly.

Complete the Upgrade

4. Return your DECstation system unit to Digital as follows:
 - a. Pack the system unit using the packing material from the DEC 3000 system.
 - b. Attach the return-address label that came in the upgrade accessory kit.
5. Contact your Digital service representative to upgrade your hardware service contract.