SECTION 6B – OPERATOR WORKSPACE (RELEASE 8.X)

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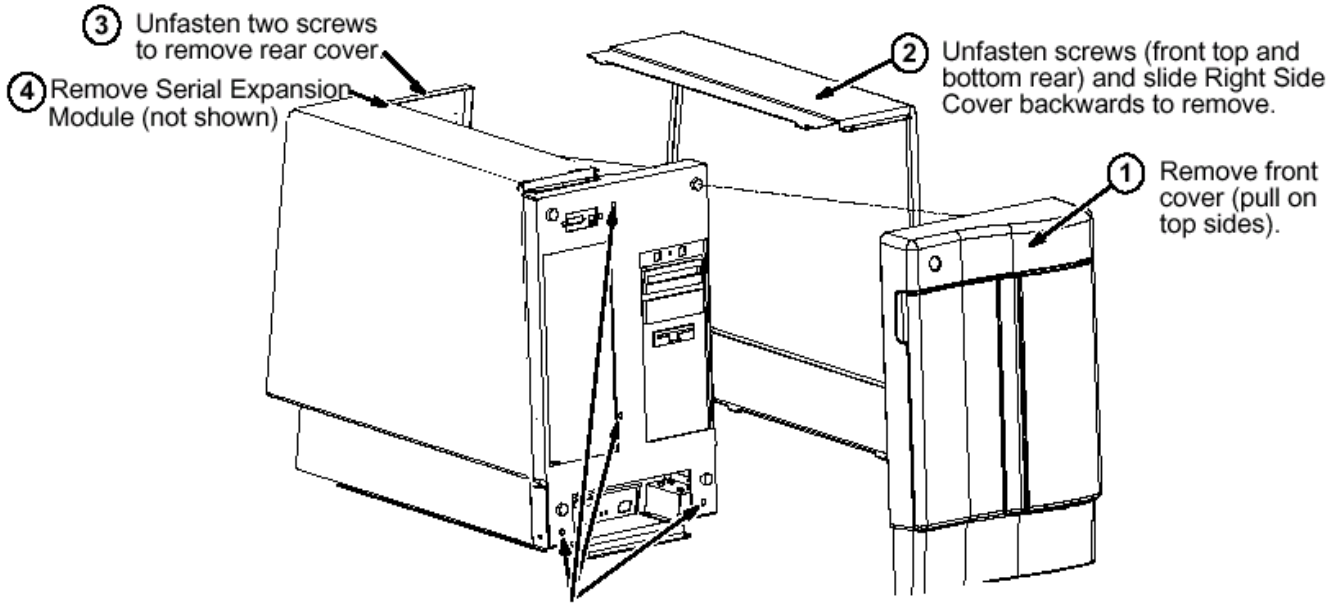
6B-1 CLEAN OPERATOR WORKSPACE AIR INTAKE GRILLS AND CHECK FANS

Operator Workspace Indigo Configuration

1. Remove OW Cabinet front cover from ball studs by grasping sides and pulling straight forward. Remove SGI side cover, then PC side cover, followed by the back cover. The side covers slide back to remove. See Illustration 6B-1.



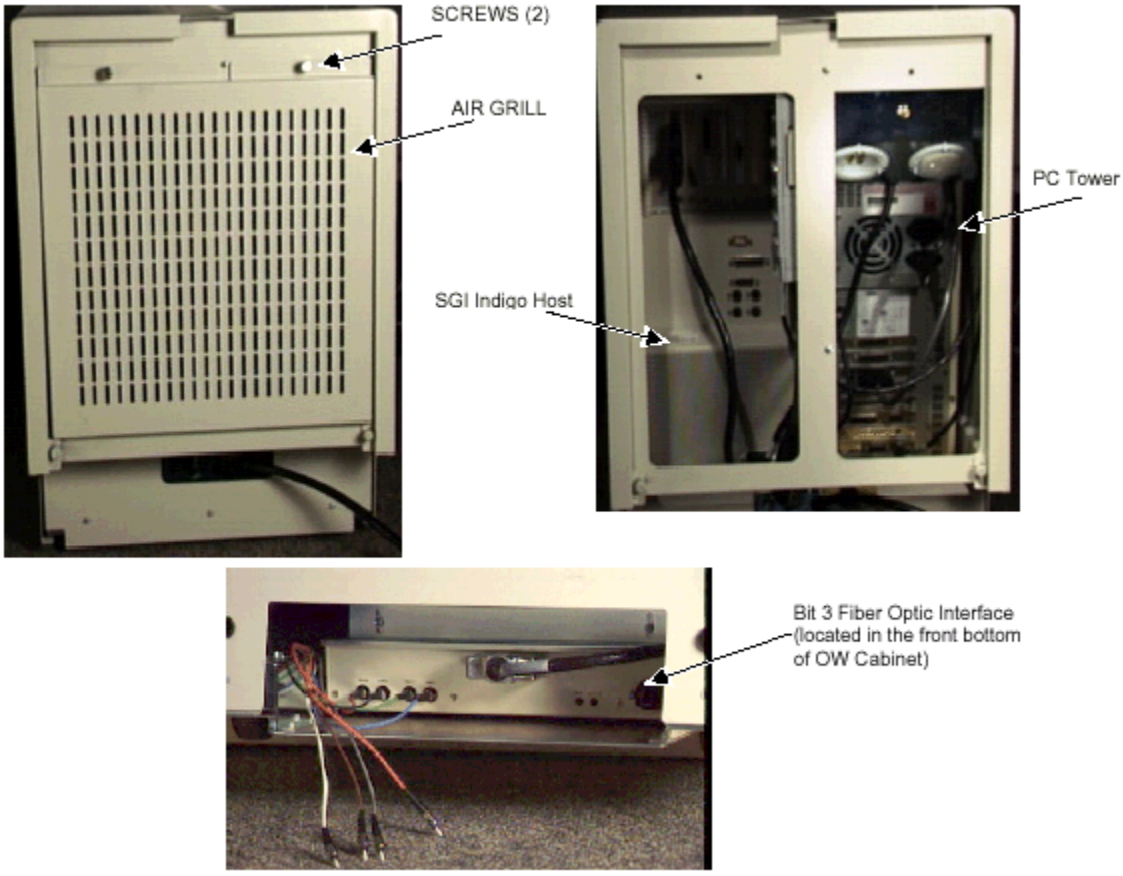
REMOVING OW CABINET COVERS
ILLUSTRATION 6B-1

6B-1 CLEAN OPERATOR WORKSPACE AIR INTAKE GRILLS AND CHECK FANS (continued)

Operator Workspace Indigo Configuration (continued)

2. Insure floor area adjacent to the OW Cabinet is free of debris and dirt. See Illustration 6B-2.

3. Clean intakes of SGI tower, PC tower, and the Bit 3 fiber optic interface. See Illustration 6B-2.

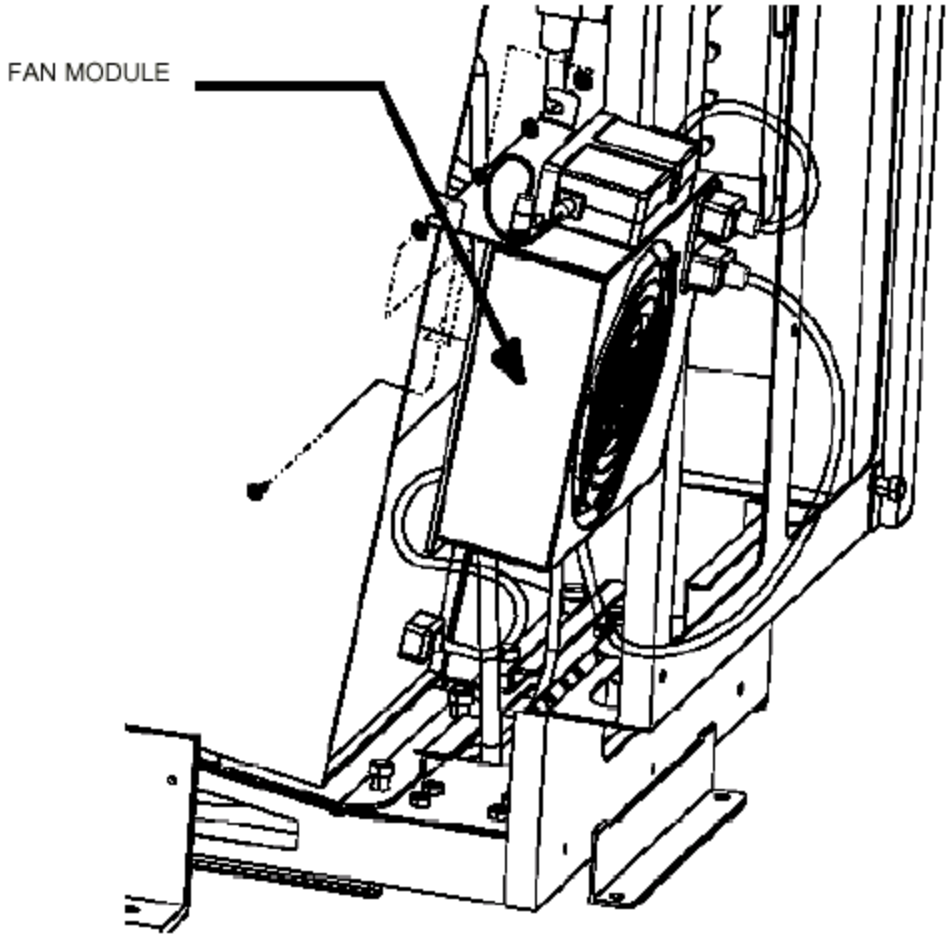


OW CABINET AIR INTAKE GRILLS
ILLUSTRATION 6B-2

6B-1 CLEAN OPERATOR WORKSPACE AIR INTAKE GRILLS AND CHECK FANS (continued)

Operator Workspace Indigo Configuration (continued)

4. The PC fan operation can be observed visually or by placing your hand over the opening at the middle back of the PC tower. See Illustration 6B-3.



OW COMPUTER FANS
ILLUSTRATION 6B-3

5. The SGI Indigo has two fans located beside each other at the bottom back of the SGI Tower. As viewed from the back, the left fan services the tower while the right fan is dedicated to the power supply. Verify their operation by placing a flashlight against the fan screen and observe both fans turning. If the tower fan has to be replaced use part # 2138601 – 4.

6. The Bit 3 fiber optic interface is located in the bottom of the duplex. The intake screen and fan are at its back left corner. From the left side of the duplex, place a small scrap of paper in front of the intake and verify the air flow draws it up against the chassis.

6B-1 CLEAN OPERATOR WORKSPACE AIR INTAKE GRILLS AND CHECK FANS (continued)

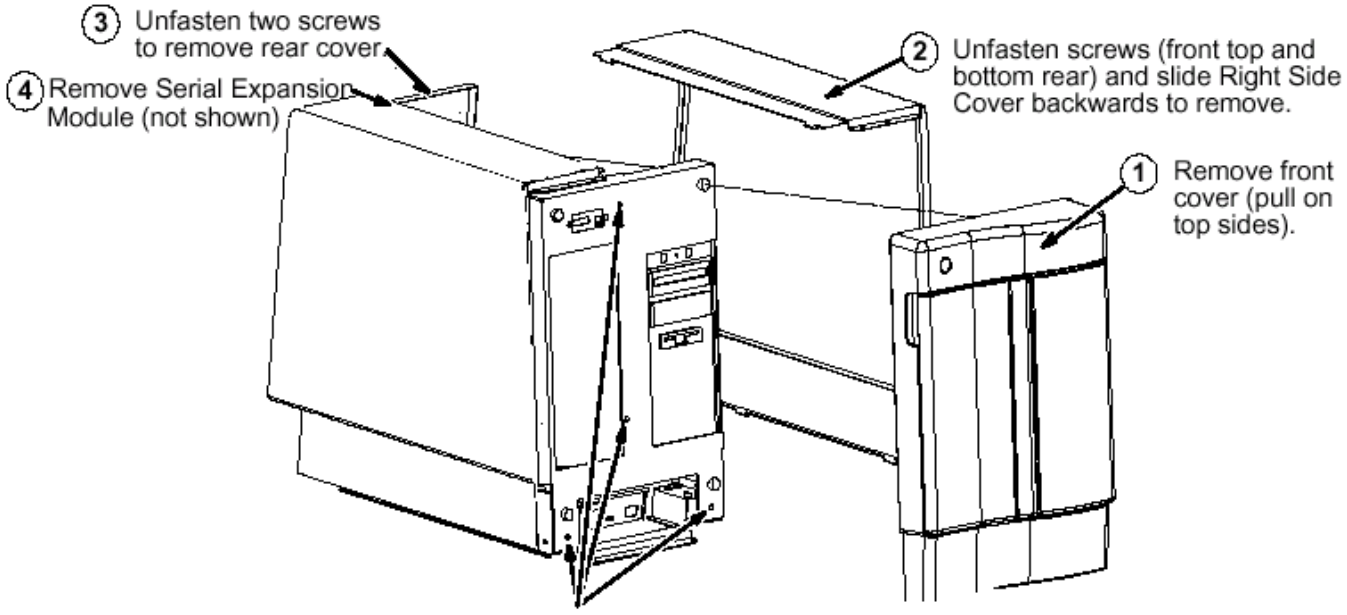
Operator Workspace Indigo Configuration (continued)

7. Check DASM fan for proper operation. The DASM is located in the tray on the back of the Operator Workspace Table.

8. Reinstall covers in the reverse order removed.

Operator Workspace Octane Configuration

1. Remove OW Cabinet front cover from ball studs by grasping sides and pulling straight forward. Remove SGI side cover, then PC side cover, followed by the back cover. The side covers slide back to remove. See Illustration 6B-4.



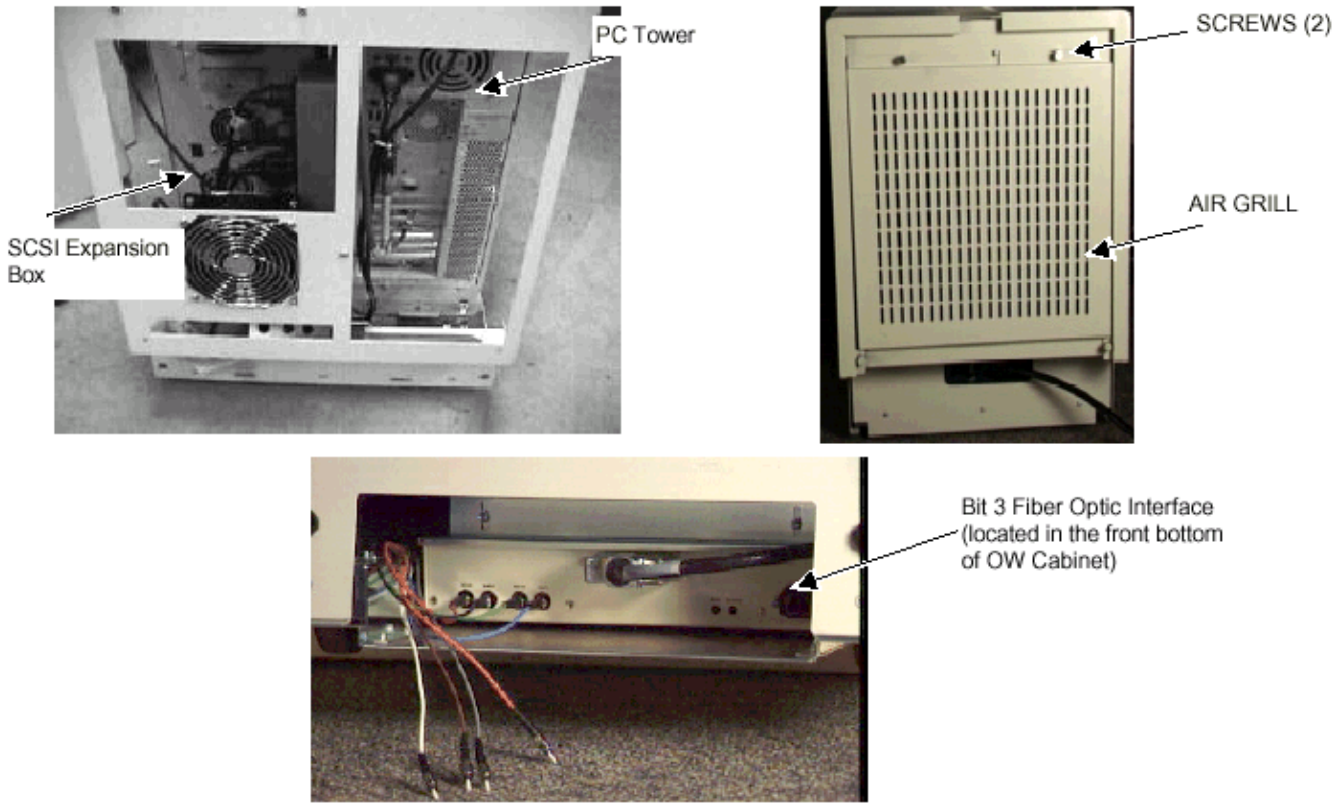
REMOVING OW CABINET COVERS
ILLUSTRATION 6B-4

6B-1 CLEAN OPERATOR WORKSPACE AIR INTAKE GRILLS AND CHECK FANS (continued)

Operator Workspace Octane Configuration (continued)

2. Insure floor area adjacent to the OW Cabinet is free of debris and dirt. See Illustration 6B-5.

3. Clean intakes of SCSI Expansion Box, PC tower, and the Bit 3 fiber optic interface. See Illustration 6B-5.



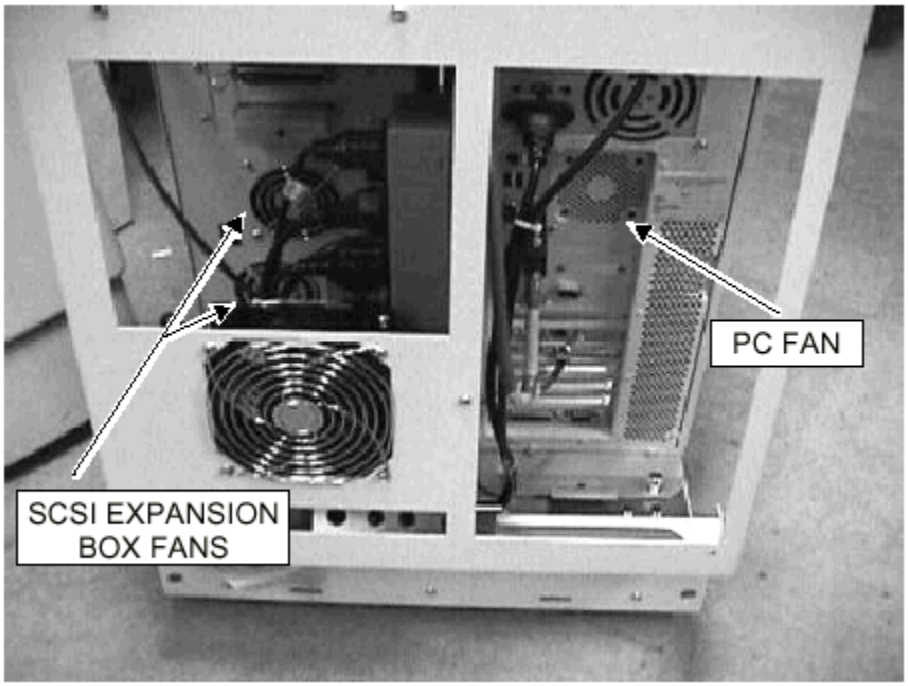
OW CABINET AIR INTAKE GRILLS
ILLUSTRATION 6B-5

4. Fans to check are:
   - ☑ PC Tower
   - ☑ SCSI Expansion Box
   - ☑ Computer Cabinet Fan
   - ☑ SGI Octane Tower

6B-1 CLEAN OPERATOR WORKSPACE AIR INTAKE GRILLS AND CHECK FANS (continued)

Operator Workspace Octane Configuration (continued)

5. The PC fan operation can be observed visually or by placing your hand over the opening at the middle back of the PC tower. See Illustration 6B-6.



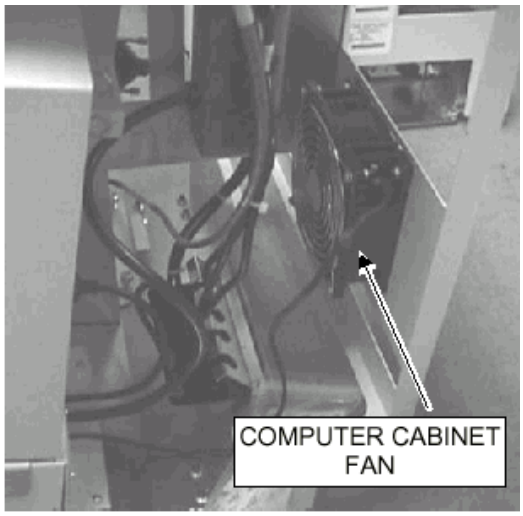
OW FANS
ILLUSTRATION 6B-6

6. The SCSI Expansion Box has two fans located along the left side of the box. See Illustration 6B-6. Verify their operation by placing a flashlight against the fan screen and observe both fans turning.

6B-1 CLEAN OPERATOR WORKSPACE AIR INTAKE GRILLS AND CHECK FANS (continued)

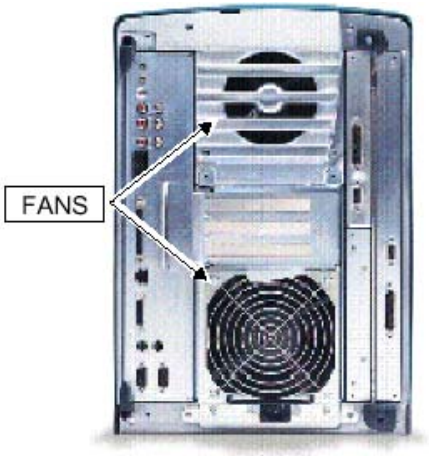
Operator Workspace Octane Configuration (continued)

7. The Computer Cabinet Fan is located in the bottom of the duplex on the rear chassis. The intake screen and fan are at its back left corner. From the left side of the duplex, place a small scrap of paper in front of the intake and verify the air flow draws it up against the chassis. If the fan has to be replaced use part # 230-001101. See Illustration 6B-7.



COMPUTER CABINET FAN LOCATION
ILLUSTRATION 6B-7

8. The SGI Octane has two fans located in the back of the SGI Tower. See Illustration 6B-8. Verify their operation by placing a flashlight against the fan screen and observe both fans turning.



SGI OCTANE TOWER (REAR VIEW)
ILLUSTRATION 6B-8

Note: Octane Computer Cleaning Procedure

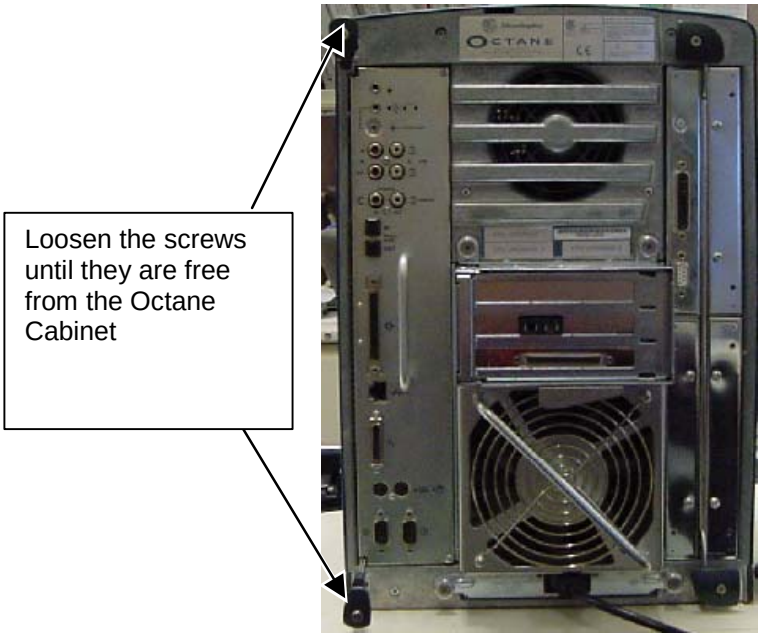
In some environments it may be necessary to disassemble the Octane computer and clean out the accumulated dust and debris. Excessive accumulation has been known to cause the computer circuitry to run hot and generate intermittent problems. The Octane should be inspected for excessive dust and debris build up every twelve months.

Note

It is important to follow proper ESD procedures to minimize the risk of damaging the computer itself.

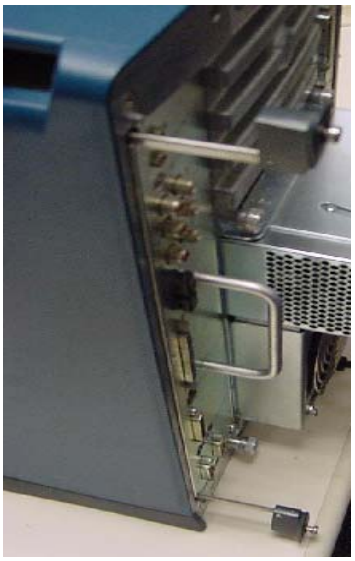
9. Follow proper shutdown procedures for the Octane computer. Disconnect the power cable at the bottom of the Octane cabinet. Disconnect the remaining cables

10. Remove the System Module on the left rear of the Octane computer by loosening the screws at the top and the bottom of the rack. See ILLUSTRATION 6B-9.



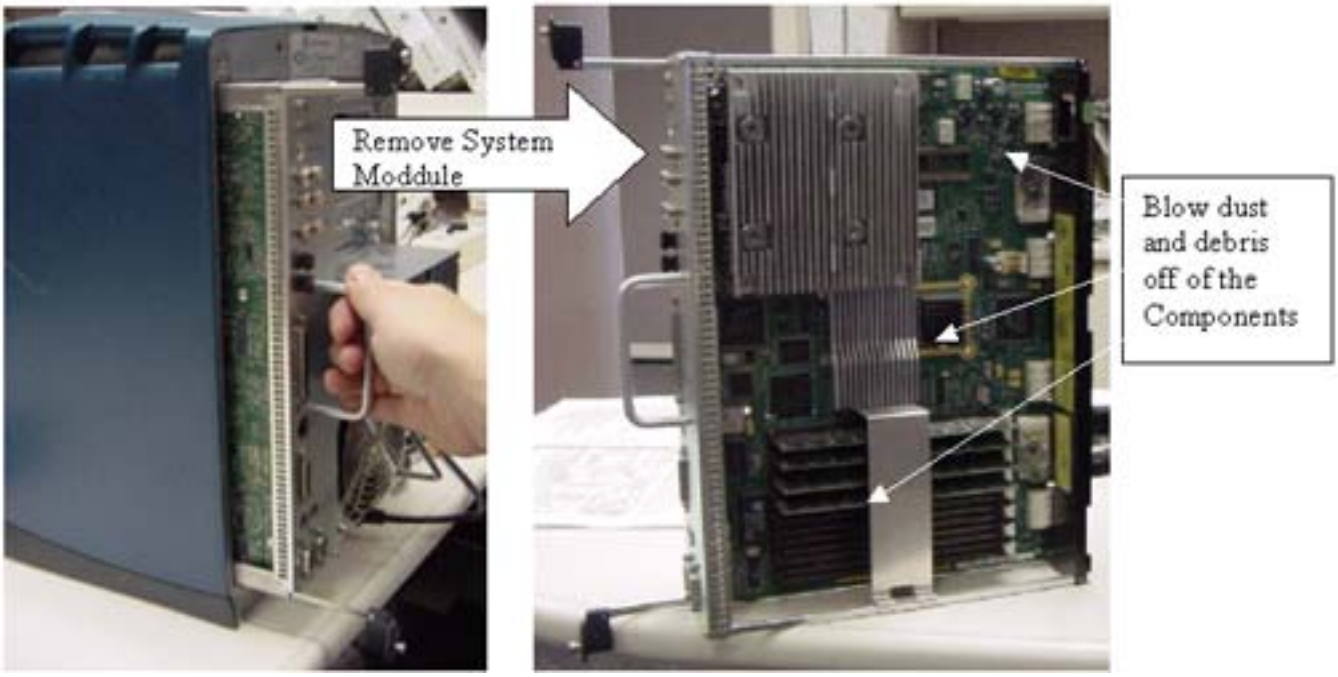
SYSTEM MODULE REMOVAL
ILLUSTRATION 6B-9

11. Pull on both the upper and lower tab until both rods are fully extended (Aprox 2 inches). See ILLUSTRATION 6B-10.



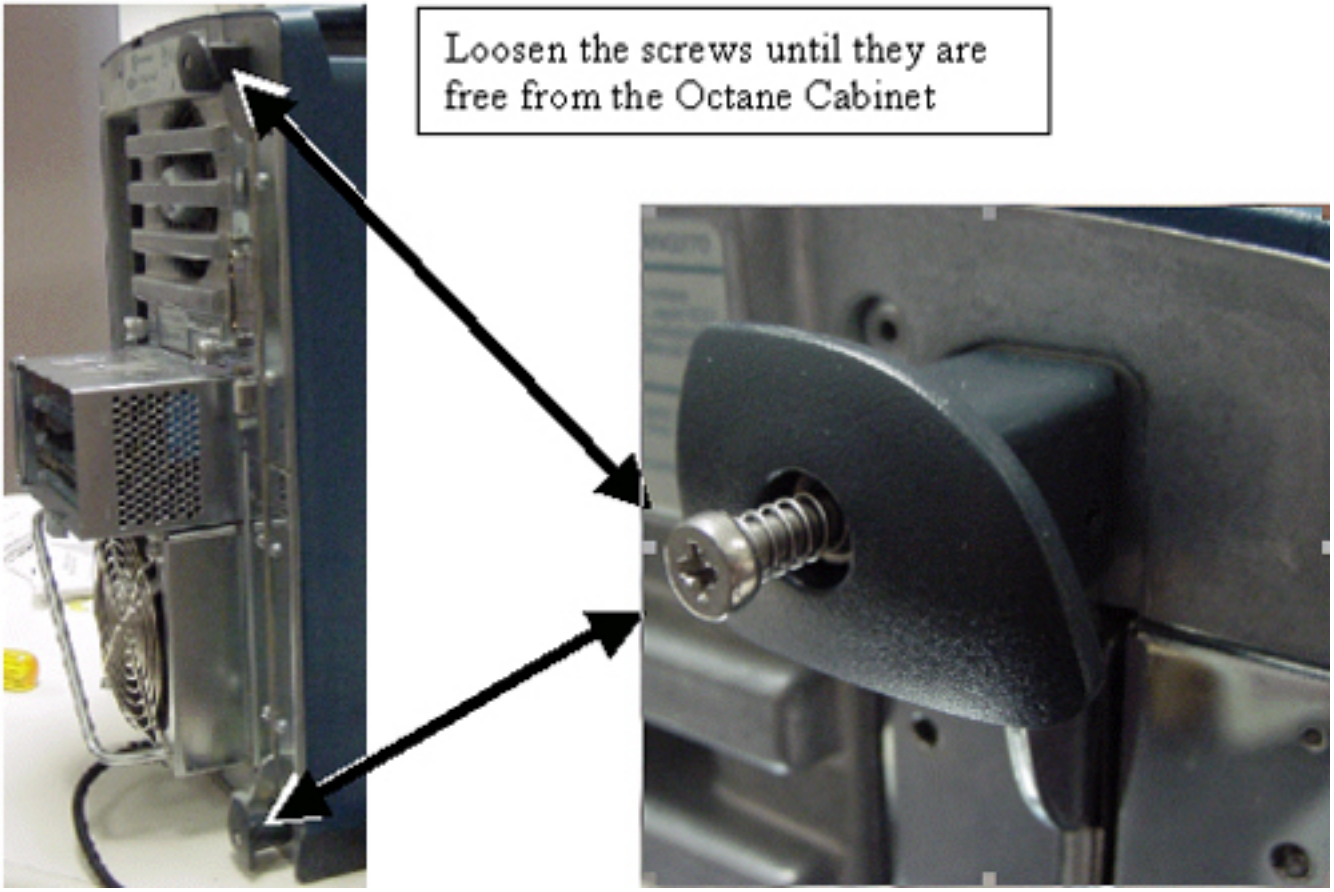
PULL UPPER AND LOWER TABS
ILLUSTRATION 6B-10

Firmly pull the handle on the System Module to remove it. Blow out dust as shown in Illustration 6B-11.



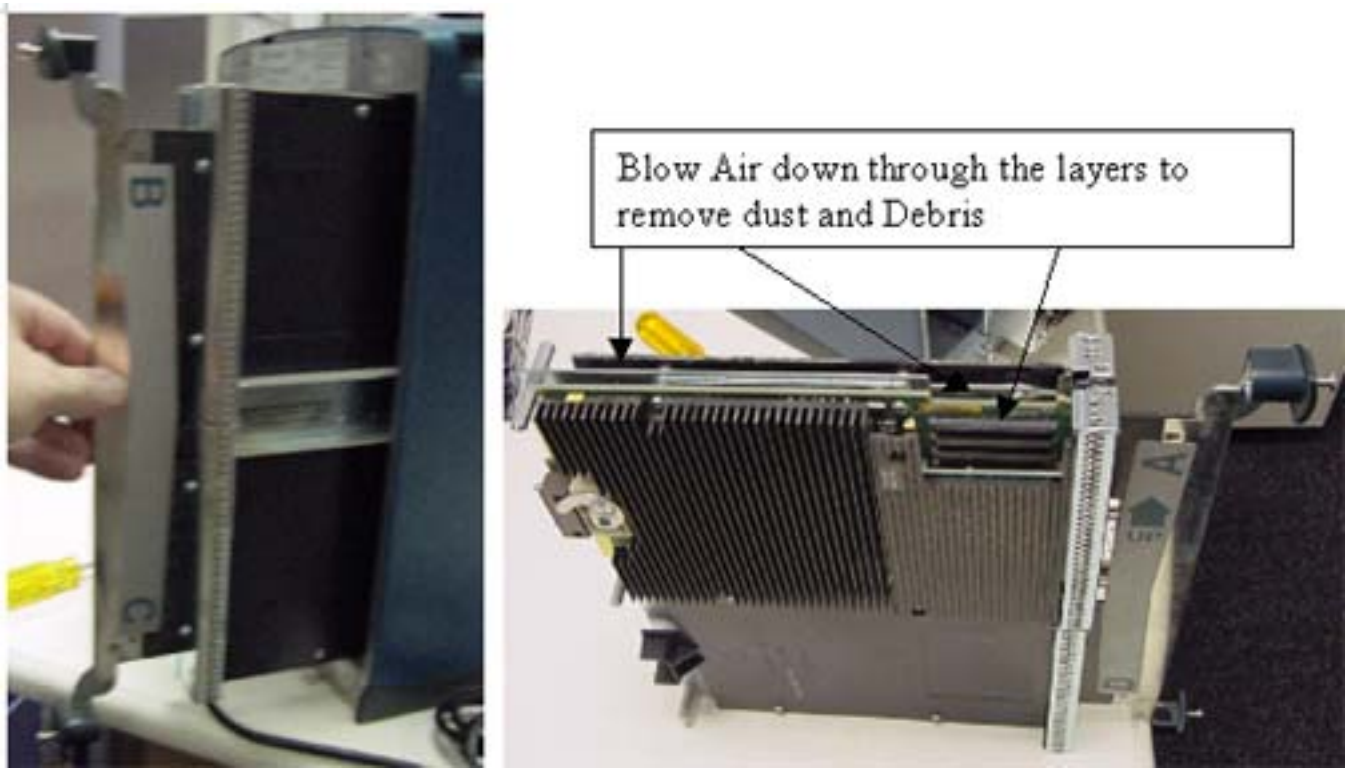
PULL SYSTEM MODULE OUT AND BLOW AWAY DUST BUILD UP
ILLUSTRATION 6B-11

13. The Video Rack is on the Right Rear of the Octane Computer To remove it Loosen the Screws at the top and the bottom of the rack. See Illustration 6B-12.



PREPARING TO REMOVE VIDEO CARD
ILLUSTRATION 6B-12

14. Pull firmly on both tabs to disengage the video rack. Slide the rack completely out of the Octane computer and blow out dust as shown in Illustration 6B-13.

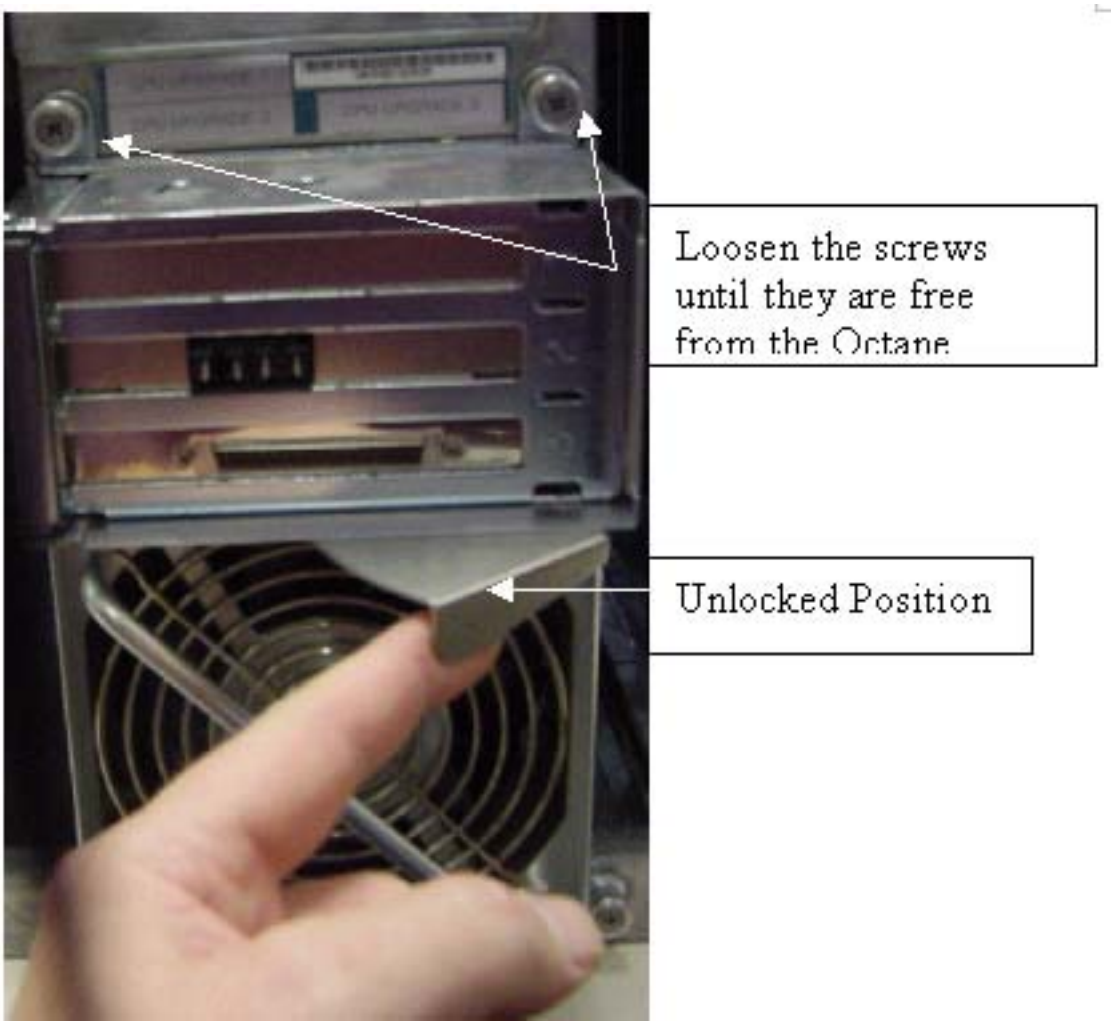


REMOVE VIDEO CARD AND BLOW OUT DUST
ILLUSTRATION 6B-13

15. Remove the PCI Card Cage by unscrewing the two Phillips screws on top of the PCI cartridge See Illustration 6B-14.

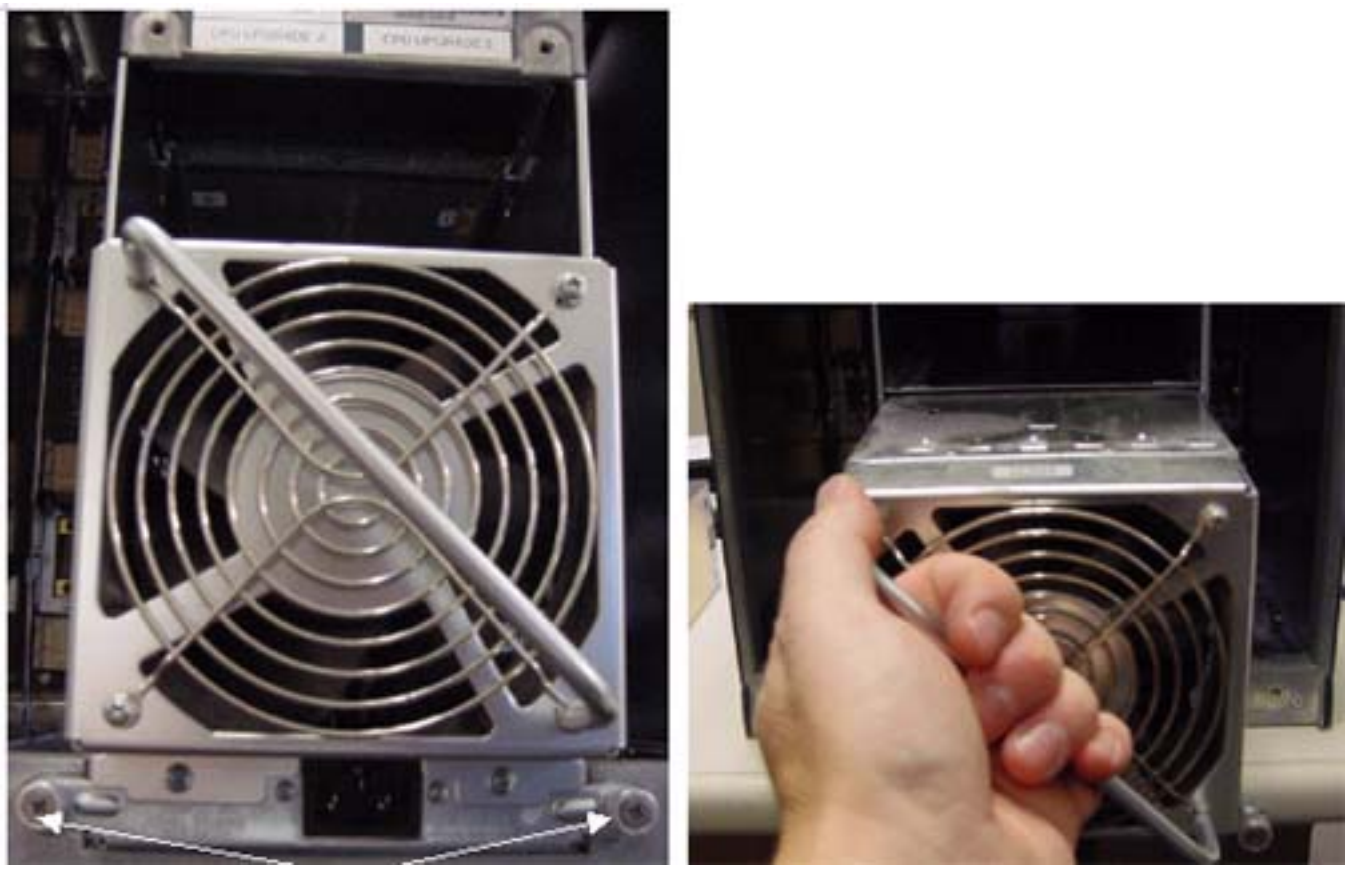
16. Pull out the latch on the bottom of the PCI Cartridge to release it. See Illustration 6B-14.

17. Pull firmly on the PCI cartridge and remove it from the Octane Computer.



REMOVING PCI CARD CAGE
ILLUSTRATION 6B-14

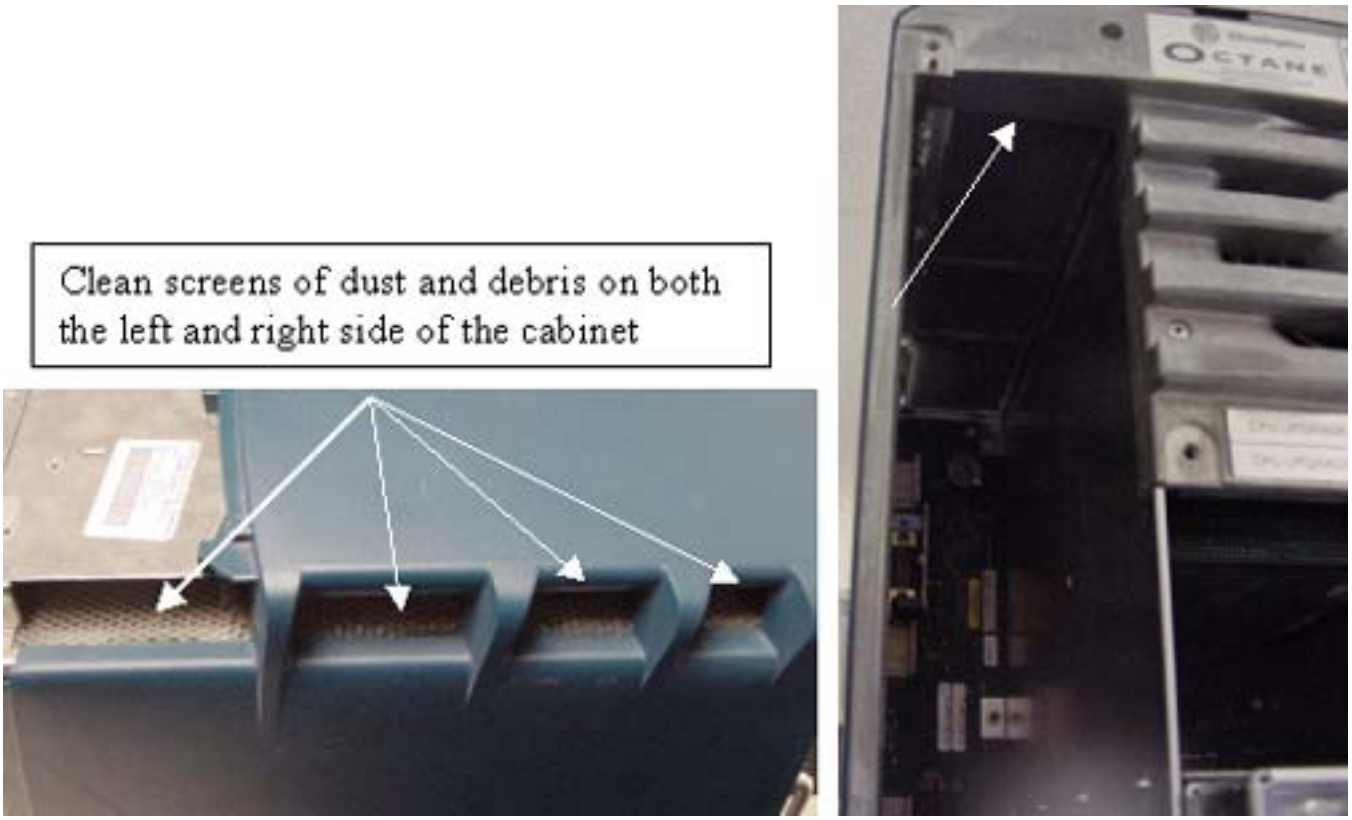
18. Remove the Power Supply by unscrewing the two Phillips screws at the bottom of the power supply. Grab the handle on the power supply. Pull firmly to remove the power supply from the Octane computer. See Illustration 6B-15.



REMOVE POWER SUPPLY
ILLUSTRATION 6B-15

19. Now with the Octane box empty of it components, dust can be cleared from the internal sections.

20. Using compressed Air or a Shop Vac, gently blow out any accumulated dust and debris from the Octane Chassis. Be sure to clean the screens at the top of the cabinet. **See Illustration 6B-16.**



CLEANING OCTANE INTERNALLY
ILLUSTRATION 6B-16

21. Use compressed air or a shop-vac to blow dust and debris out of:

    - System module,Blow dust and debris off of the components
    - Video Rack, Blow air down through the layers to remove dust and Debris
    - PCI Cartridge, Blow Air through the Vent holes on the side of the module to remove dust and debris.
    - Power supply, Blow Air through the Vent holes on the side of the module to remove dust and debris.

22. Reassemble in Reverse order and test the Octane computer.

6B-2 Clean Operator Workstation Mouse and VideoCam Lens

1. Wipe down desktop with damp paper towel and clean off any mouse pads to help reduce future dirt and dust buildup in mouse.

2. Inspect mouse roller ball for dirt buildup. If buildup is present, remove ring retaining ball and clean. Inspect encoder rollers for dirt rings and clean as needed. Reassemble mouse and verify operation.

3. If equipped, clean videocam lens with a lens wipe or clean lint free cloth.

6B-3 Set SGI System Clock

1. On the Service Tool Desktop, open a **[C-shell**].

2. At the command line, type: **su <ENTER>**

   Password: **operator <ENTER>**

3. Using the following format: mmddhhmm[yy] (year is optional) to enter the date (example: 05121105 for May 12 at 11:05). At the command line type the following: **date mmddhhmm[yy]<ENTER>**

4. At the command line type: **exit <ENTER>** and close the C-shell.