



OPERATOR INTERFACE PRODUCTS APPLICATION NOTE

Subject: Replacing the old Power Supply with the new style.

AN# 101

Date: August 9, 2002

Name: Allen Heskett

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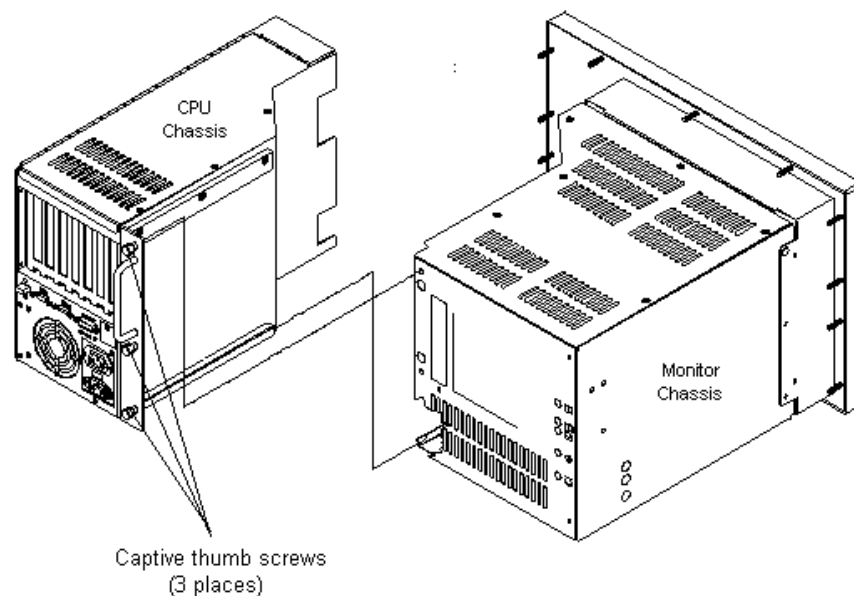
Description: How to replace the Power Supply in the 9450 with the new type, PN 141374-001.

Affected Products: All 9450's

Problem: When ordering and receiving a new power supply, the newer power supplies are different. The new ones have a new backplane that needs to be replaced on the older units with the older power supplies.

Solution: Follow the instructions below.

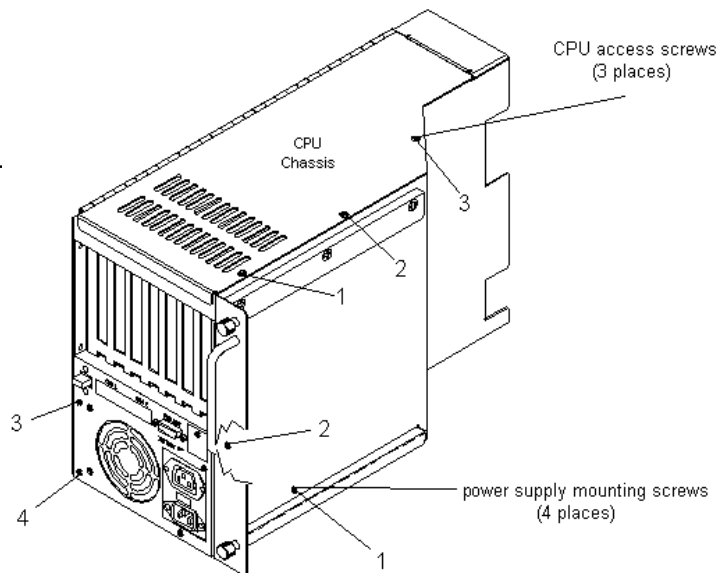
1. Disconnect all attached cables, separate the CPU Chassis from the Monitor Chassis by loosening the three Captive thumb screws and pulling the CPU Chassis out.





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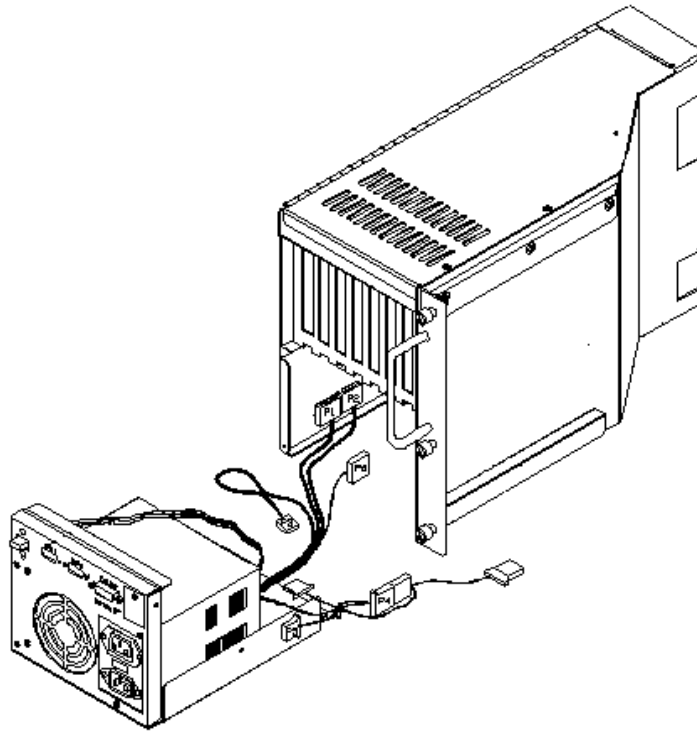
2. Remove the CPU access screws and remove the power supply mounting screws .



3. Remove the power supply by pulling the power supply out and unplugging all power supply connections.



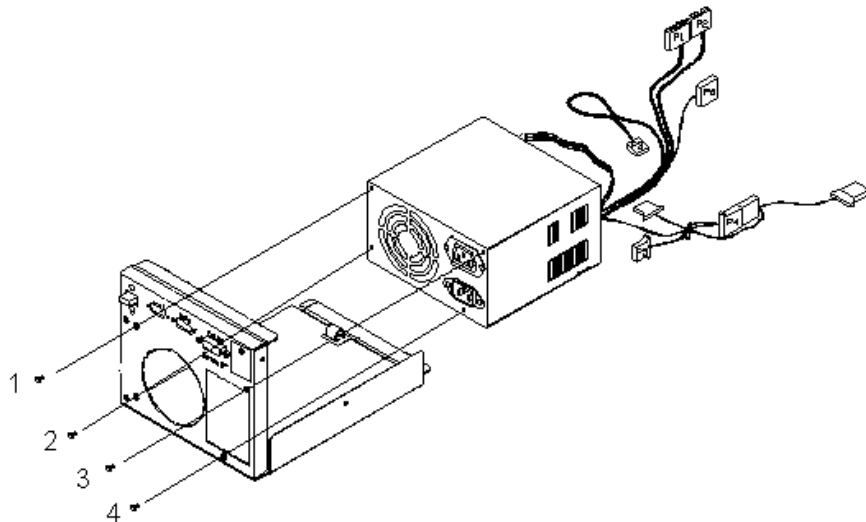
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4. Remove the 4 screws connecting the power supply to the power supply carrier and remove the power supply.



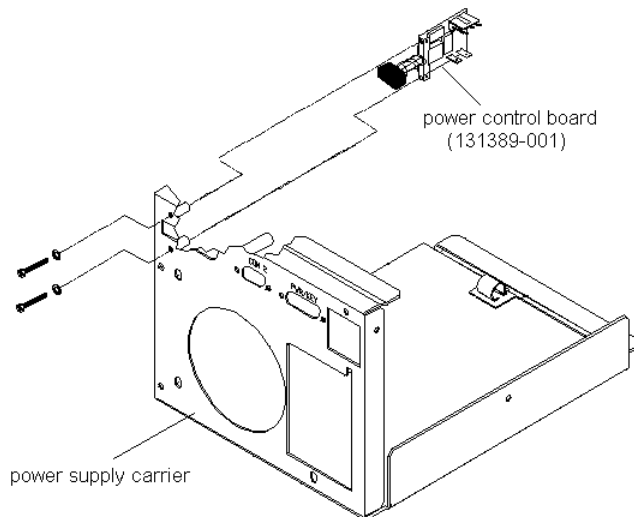
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Note:

Some of the AT power supplies have a cable connected directly to the power switch; others have a cable going to a power control board (P/N 131389-001). If the power supply you are removing has no power control board, use the power control board provided with your kit. Otherwise use the existing power control board and skip to step 6. If the power switch is connected directly to the supply, remove it from the supply carrier by removing the two screws and continue to step 5.

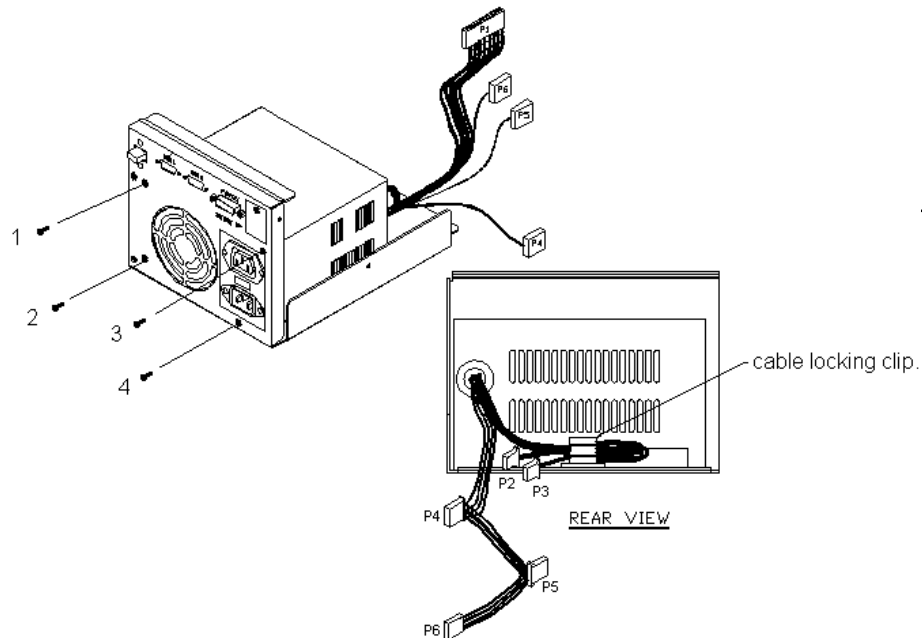
5. Install the power control board onto the power supply carrier using two washers and two screws.





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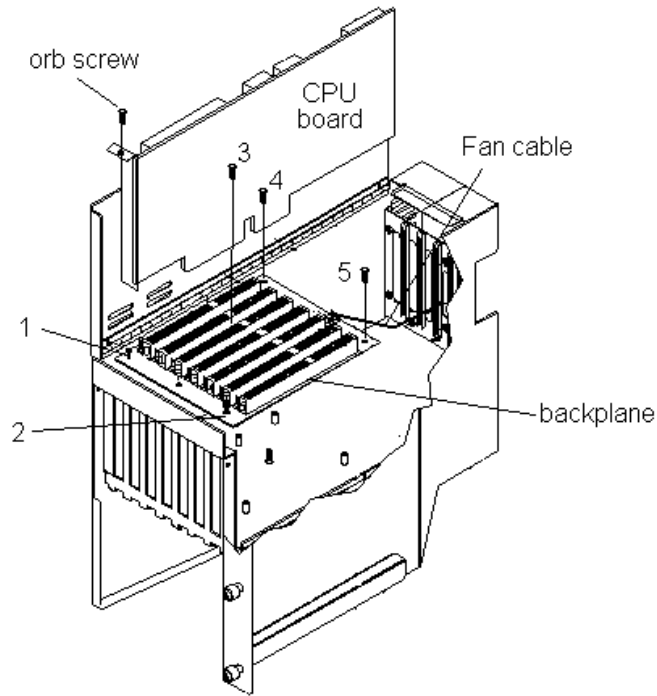
6. Attach the ATX power supply to the supply carrier with 4 screws. Fold and place P2 and P3 in the cable locking clip.



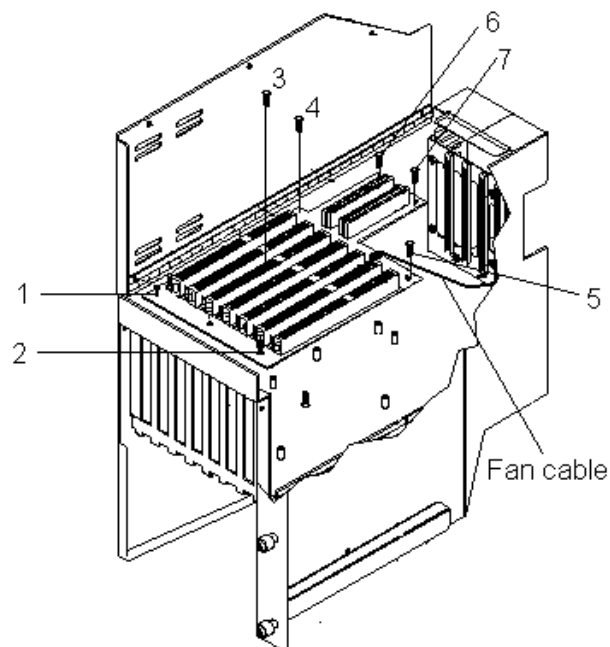
7. Open the CPU access panel on the CPU chassis and disconnect all cables going to the CPU board. Remove the orb screw and then remove the CPU board and any other expansion boards from the CPU chassis. Remove the five screws from the backplane and disconnect the Fan cable. Remove the backplane.



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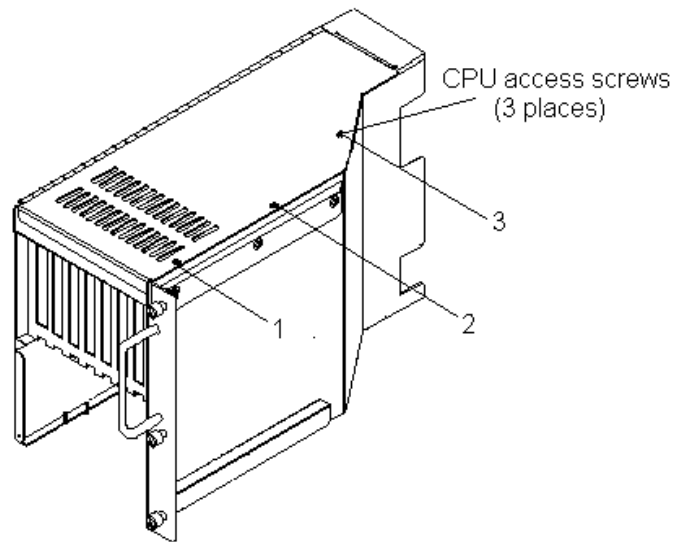
8. Install the new backplane using the five existing mounting screws and the two additional screws provided in the kit. Connect the Fan cable.





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9. Install the CPU board and any other expansion boards. Connect all cables previously disconnected from the CPU board. Close the CPU access panel and install three CPU access screws.

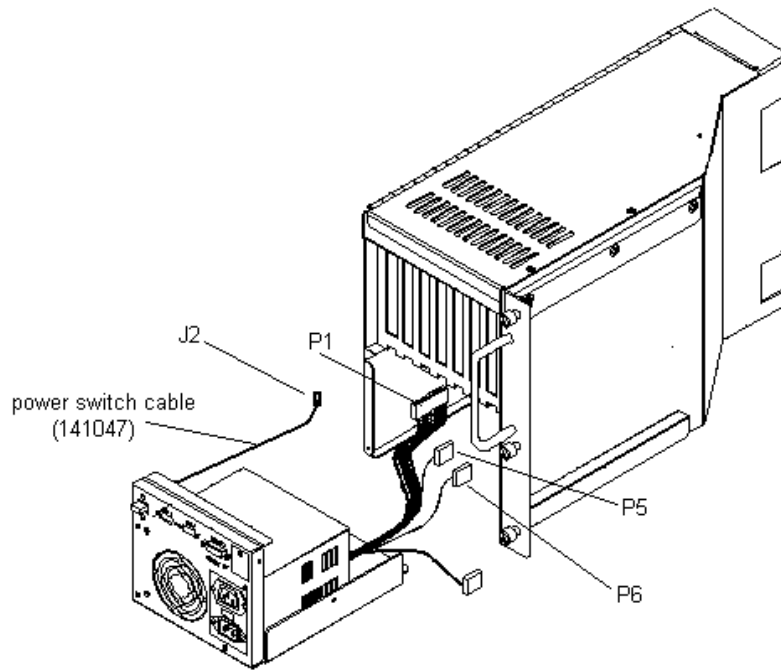


10. Attach the power supply cables as described here:

- Attach P5 to the hard disk drive.
- Attach P6 to the floppy disk drive.
- Attach P1 of the ATX Power supply to the DCIN connector on the Backplane.
- Attach J1 of the power switch cable (P/N 141047) to the power control board (P/N 131389-001) P4.
- Attach J2 of the power switch cable (P/N 141047) to the Backplane P1. "P1 is located near the DCIN connector on the bottom side of the backplane".
- Attach the battery cable from the power supply carrier to the backplane battery cable.



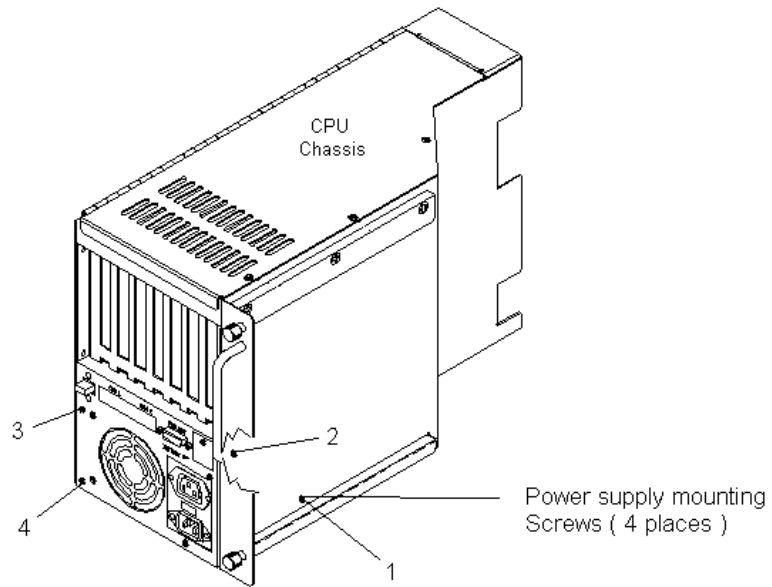
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11. Place the power supply assembly into CPU chassis and install the four power supply mounting screws.



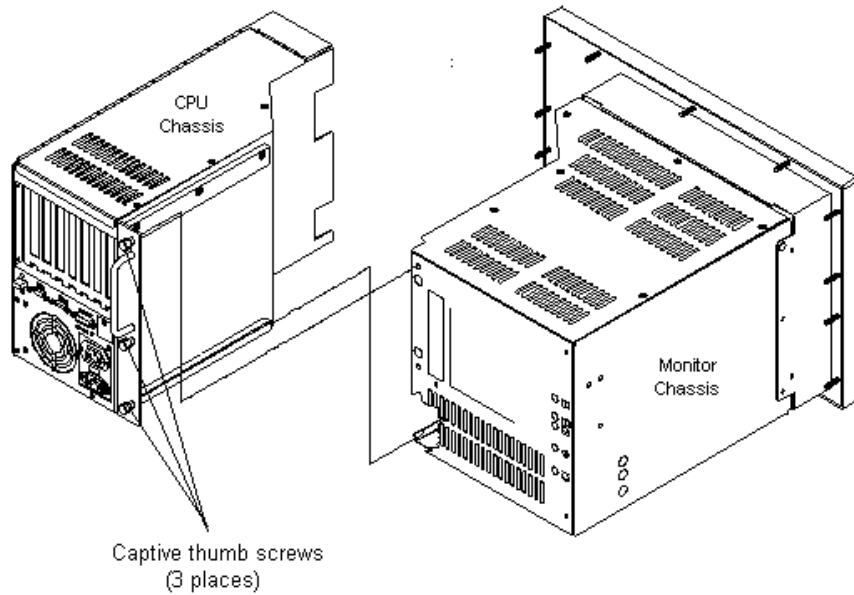
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12. Reconnect the CPU chassis to the Monitor chassis and tighten the three Captive thumb screws.



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13. Attach all cables from the Monitor chassis to the CPU chassis.

Installation is complete.