



REPLACING A DISK ENCLOSURE POWER SUPPLY

Installation Guide

Open Card Completely Before
Beginning Installation Procedures

NOTICE

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Protecting Against ESD Damage

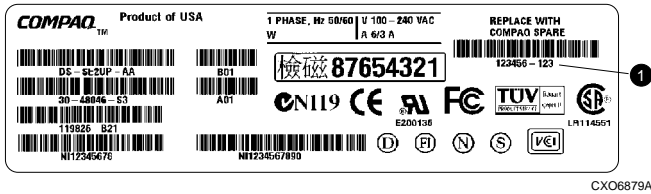
Whenever you replace a disk enclosure power supply you must take precautions to prevent electrostatic discharge (ESD) from damaging sensitive electronic items,

1. *Always* transport and store power supplies in a static-safe container.
2. Avoid touching the power supply connector pins, leads, circuits, or components *even when* wearing an ESD wrist strap.

Verifying Power Supply Compatibility

To ensure that the replacement power supply is the correct one, compare the Compaq spare part numbers on the failed power supply and the replacement power supply. This number is in the upper right corner of the product label (see ❶, Figure 1).

Figure 1 Typical Compaq Product Label



Replacing the Power Supply

CAUTION: Removing a power supply significantly changes the airflow within the enclosure. The system could shutdown unless the power supply is replaced within *5 minutes*.

NOTE: Replacement power supply assemblies do not include a variable speed fan. Therefore you must remove the operational fan from the defective power supply and install it on the new supply *before you remove the defective power supply*.

Complete the procedures in Table 1 to replace a power supply.

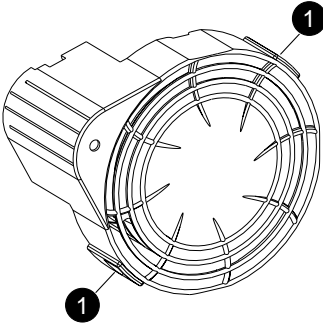
Table 1 Power Supply Replacement Procedure
1. When you are replacing the supply in a single power supply configuration <i>before it has failed</i> , you must stop all data transfers.
2. Disconnect the AC power cord from the defective supply.

Table 1 Power Supply Replacement Procedure (Continued)



WARNING: The fan blades rotate at a high speed and they do not stop *immediately* when power is removed. Avoid touching the rotating blades when removing the fan.

3. Remove the operational fan from the defective power supply by pushing in on the two fan tabs ❶ and while pulling the fan element to the rear.

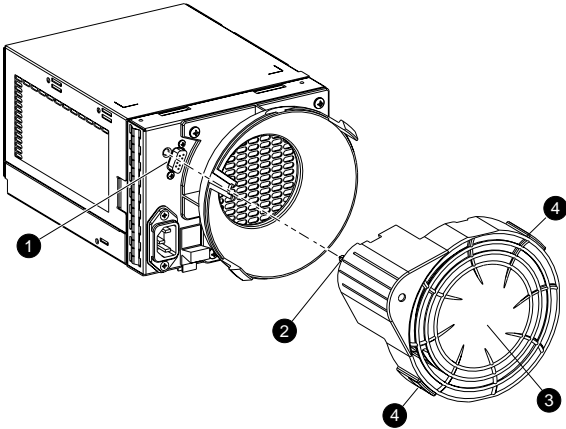


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CAUTION: Pressing on the center section of the fan ❸ can damage the blades. Only press on the outer shroud when installing the fan.

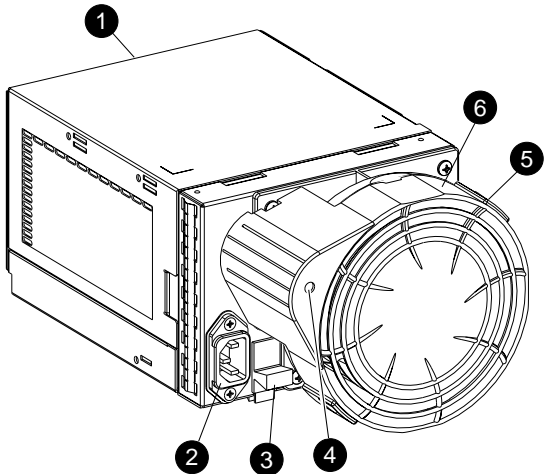
4. Align the fan guide post ❷ with power supply connector ❶. Slide the fan into fan base until the tabs ❹ snap into place.



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Table 1 Power Supply Replacement Procedure (Continued)

5. While lifting up on the module latch ❸, grasp the fan element shell ❹ and pull the power supply to the rear.



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CAUTION: Pressing in on the center section of the fan shroud can damage the fan blades. To avoid damaging the fan, only press on the outer portion of the fan shroud.

6. While lifting up on the module latch ❸, push in on the power supply ❶ and the outer fan shroud ❹ until it is fully seated in the enclosure
7. Press down on the module latch to secure the supply in the enclosure.
8. Connect the AC power cord and observe the power supply for proper operation.
- The fan starts operating immediately.
 - The fan LED is On.
 - The fan on the other supply is no longer be operating at high-speed.