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Removing and Replacing a Fan Module

This document describes replacement procedures for the fan module customer replaceable unit (CRU) installed in the Sun Storage J4200 Array disk tray. This document assumes you have:

- Identified the failed fan module.
- Received the replacement fan module.

This product is intended for restricted access whereby access is controlled through the use of a means of security (e.g., key, lock, tool, badge access), and personnel authorized for access have been instructed on the reasons for the restrictions and any precautions that need to be taken.

ESD Precautions

When performing this service action, observe the following electrostatic discharge (ESD) precautions:

- Wear an antistatic wrist strip at all times when handling any CRU.
- Before handling any CRU, discharge any static electricity by touching a grounded surface.
- Remove all plastic, vinyl, and foam material from the work area.
- Do not remove a CRU from its antistatic protective bag until you are ready to install it.
- After removing a CRU from the cabinet, immediately place it in an antistatic bag or antistatic packaging.
- Handle any card CRU only by its edges and avoid touching the components or circuitry.
Do not slide a CRU over any surface.

Limit body movement (which builds up static electricity) during the removal and replacement of a CRU.

Fan Module Locations

**Caution** – Only trained service personnel should remove the covers on this equipment.

FIGURE 1 illustrates the location of fan module 0 and 1.

**FIGURE 1** Location of Fan Module 0 (left) and 1 (right)
FIGURE 2 shows the location of the fan module handle, LED, and captive screw.

FIGURE 2 Fan Module Components

![Fan Module Components Diagram]

Figure Legend

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Removing and Replacing a Fan Module

This section describes how to remove and replace a fan module.

Caution – The power supplies in this equipment can produce high energy hazards. Only personnel with authorized access to this equipment should remove and replace modules in the system.

▼ To Remove a Fan Module

1. Locate the failed fan module.

   The Fan status LED is amber. (See FIGURE 2.)

Caution – Potential loss of data access - Never remove a fan module unless the Cooling module status LED is amber. Data loss could occur if one fan module fails and you inadvertently remove the operational fan.
2. Loosen the captive screw on the failed fan module. (See FIGURE 2.)

3. Pull the fan module handle toward you and slide the module out of the tray.

FIGURE 3  Removing a Fan Module

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**Caution** – For products with multiple power cords, all power cords must be disconnected to completely remove power from the system.

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▼ To Replace a Fan Module

**Caution** – Follow all ESD precautions (see “ESD Precautions” on page 1) and use care when handling either the new or failed fan module.

1. Unpack the new fan module and do one of the following:
   - Place the failed fan module in the packing materials so that you can return it to Sun for proper disposal.
   - Properly dispose of the failed fan module.

2. Align the new fan module with the open slot and push in to seat the module in the tray.

3. Tighten the captive screw to secure the fan module to the tray.
To Verify and Complete the Fan Module Replacement

- Verify the Fan status LED is solid green (see FIGURE 2).

Related Documentation

For additional information about the April 2008, see the following product documentation:

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Service Contact Information

If you need help installing or using this product in the United States, call 1-800-USA-4SUN(872-4786), or go to:

http://www.sun.com/service/contacting/index.xml