



# Sun Fire V210 Server Fan Module Installation Guide

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# Fan Module Upgrade

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If you upgrade a Sun Fire V210 server to 1 GB DIMMs, you may need to upgrade the fan module to provide sufficient cooling to the DIMMs. This document tells you how to do that.

The document contains the following sections:

- “Fan Modules” on page -2
- “Preparing the Server” on page -2
- “Replacing the Fan Module” on page -3

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**Note** – The procedures in this section are for the attention of service providers only.

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# Fan Modules

Some Sun Fire V210 servers have fan modules which allow individual fans to be removed. These fans have tabs on them. The fans in the upgraded fan module are not individually removable and do not have tabs on them.

If the fans in the server you are upgrading to 1 G DIMMs have tabs, you need to upgrade the fan module at the same time as the DIMMs to ensure the system is adequately cooled.

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# Preparing the Server

This section describes how to prepare the server for upgrading the fans.

## Antistatic Precautions



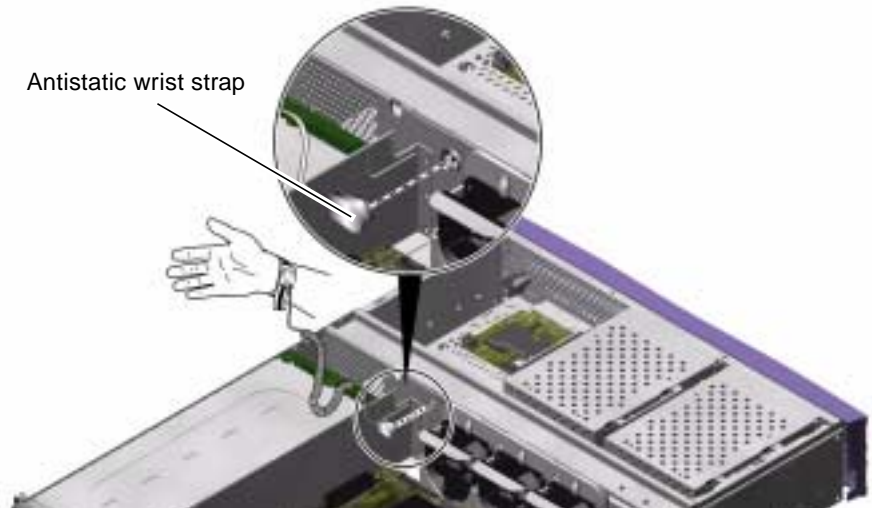
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**Caution** – Wear an antistatic wrist strap that is correctly connected to the chassis at all times. For complete antistatic precautions, refer to the *Sun Fire V210 and V240 Servers Parts Replacement Manual* (part number 817-0743-xx).

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- 1. Attach the antistatic strap as directed on the packaging. If you are using a strap that connects with a fastener, attach it to the grounding stud located on the partition inside the server, and the other end to your wrist.**

See FIGURE 1.



**FIGURE 1** Antistatic wrist strap attaching point (Sun Fire V250 server shown)

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## Replacing the Fan Module

The fan upgrade kit consists of a single module which houses the fans. To effect the upgrade, you replace the complete module, rather than individual fans.

### ▼ To remove the fan module

**1. Power the server down.**

Refer to the *Sun Fire V210 and V240 Servers Parts Replacement Manual (817-0743-xx)*.

**2. Open the server.**

Refer to the *Sun Fire V210 and V240 Servers Parts Replacement Manual (817-0743-xx)*.

**3. Disconnect the fan power cables from the system board.**

See FIGURE 2.

**4. Unscrew the fan module.**

See FIGURE 2.

**5. Remove the fan module from the server.**

## ▼ To install the fan module

1. Position the fan module in the server.
2. Tighten the screws.

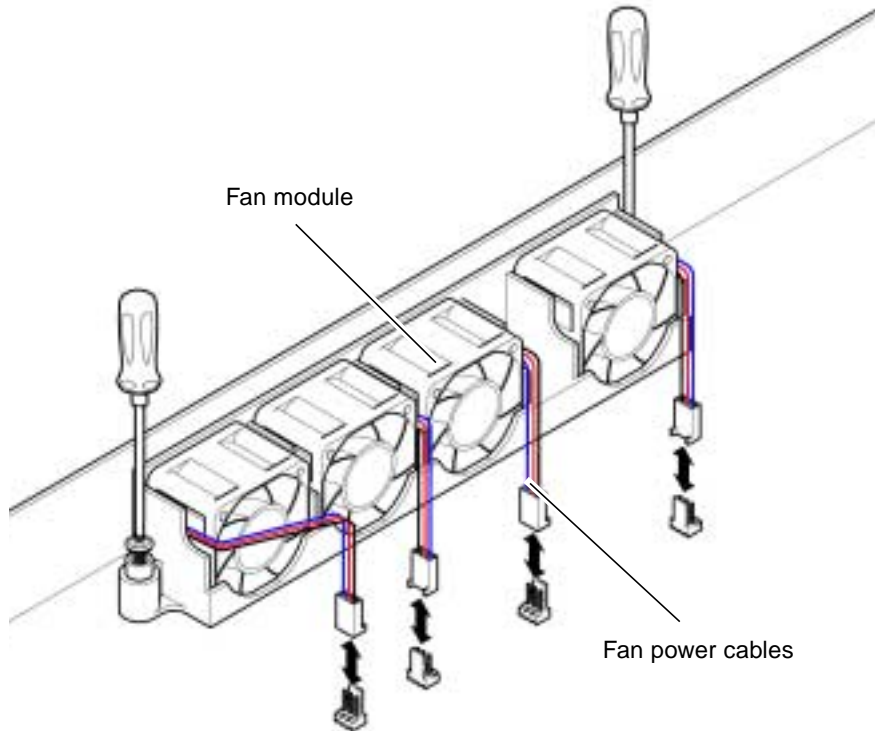


FIGURE 2 Sun Fire V210 server fan module

3. Connect the fan power cables.  
See FIGURE 2.
4. Replace the lid.
5. Power the server on.
6. Verify the status of the four fans by using the **ALOM** `showenvironment` command. Type:

```
sc> showenvironment
```