

# Replacing Sun Fire V20z or Sun Fire V40z Cooling Fans

This document contains:

- [“Replacing Cooling Fans in a Sun Fire V20z Server” on page 1](#)
- [“Replacing Cooling Fans in a Sun Fire V40z Server” on page 3](#)

Refer to the Service Label, on the inside of the chassis cover, for the location of the component.

## Replacing Cooling Fans in a Sun Fire V20z Server

1. Press the power switch, on the Operator Panel, to turn off the power to the server.
2. While pressing the cover latch release button with your right thumb (A), slide the cover towards the rear of the chassis until it contacts the stop (B).
3. Lift the cover up and remove it.

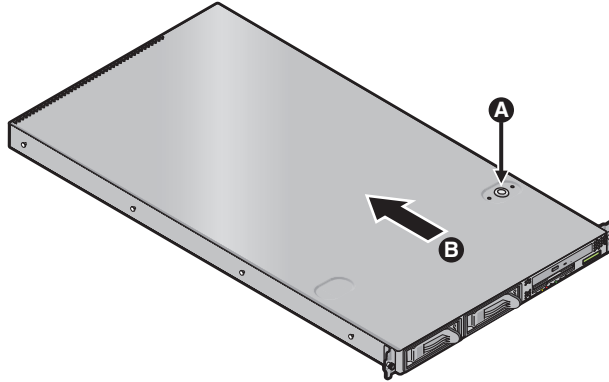


FIGURE 1 Removing the Cover

4. Identify the fan(s) to be replaced.
5. If you are replacing a processor cooling fan, unfasten the single screw securing the center air baffle and lift the baffle away from the chassis. Otherwise, continue to Step 6.

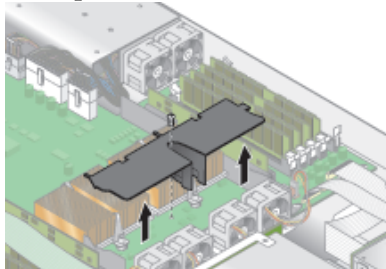
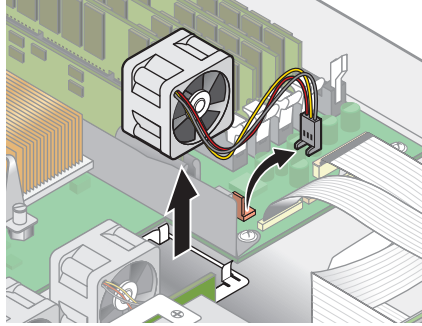


FIGURE 2 Removing the Center Air Baffle

6. Unplug the fan's power connector from the motherboard.



**FIGURE 3** Removing the Sun Fire V20z Cooling Fans (Processor Fan Shown)

7. Pull the fan straight up to remove it from the fan tray.

Installation is the reverse of this procedure.



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**Caution** – Ensure that the fan airflow direction is correct (front to rear) by installing the fan so that the airflow direction arrow points towards the rear of the chassis. After installing a new fan, allow sufficient time for the system to recognize the fan and determine whether it is functioning properly.

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**Note** – Check the routing of all cables for obstructions before reinstalling the cover.

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## Replacing Cooling Fans in a Sun Fire V40z Server

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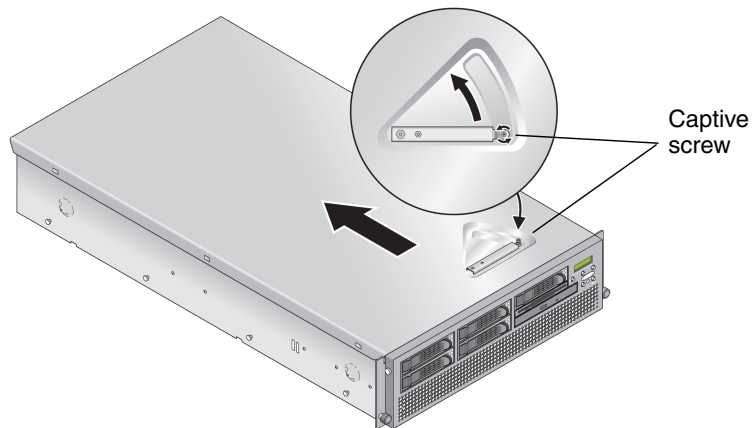
- “Replacing an Individual Cooling Fan in a Sun Fire V40z Server” on page 3
- “Replacing the Front Fan Cage Assembly in a Sun Fire V40z Server” on page 5
- “Replacing the Rear Fan Cage Assembly in a Sun Fire V40z Server” on page 6

### Replacing an Individual Cooling Fan in a Sun Fire V40z Server

1. Turn off the system, including any attached peripherals.

Refer to the *Sun Fire V20z and Sun Fire V40z Servers User Guide* for full instructions on powering off the server.

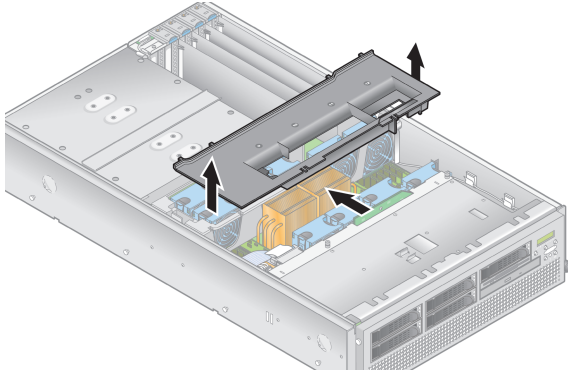
2. Loosen the captive screw on the cover latch, then rotate the latch toward the system rear to push back the cover.
3. Lift the cover up and remove it.



**FIGURE 4** Removing the Sun Fire V40z Cover

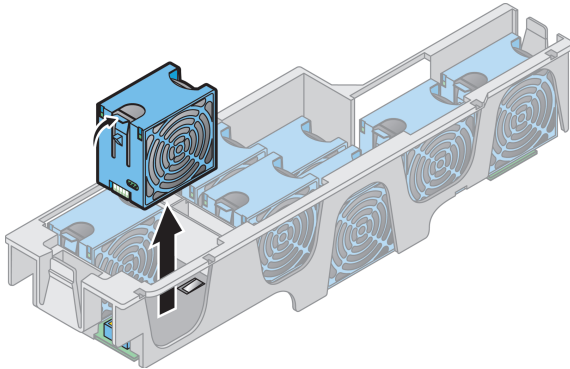
4. Remove the main air baffle (see [FIGURE 5](#)).

Lift the rear edge of the baffle, then move it toward the server rear to disengage the hooks on the front edge of the baffle.



**FIGURE 5** Removing the Sun Fire V40z Main Air Baffle

5. Identify the fan(s) to be replaced in either the front or rear fan cage.
6. Squeeze the retainer clip on the edge of the fan, then pull the fan straight up to disengage its connector and remove it from its fan cage (see [FIGURE 6](#)).



**FIGURE 6** Removing an Individual Cooling Fan (Cage Shown Removed From Server)

7. To install a new fan, align it with the bay in the fan cage and push down firmly and evenly on both top corners of the fan to engage it with the cage connector.



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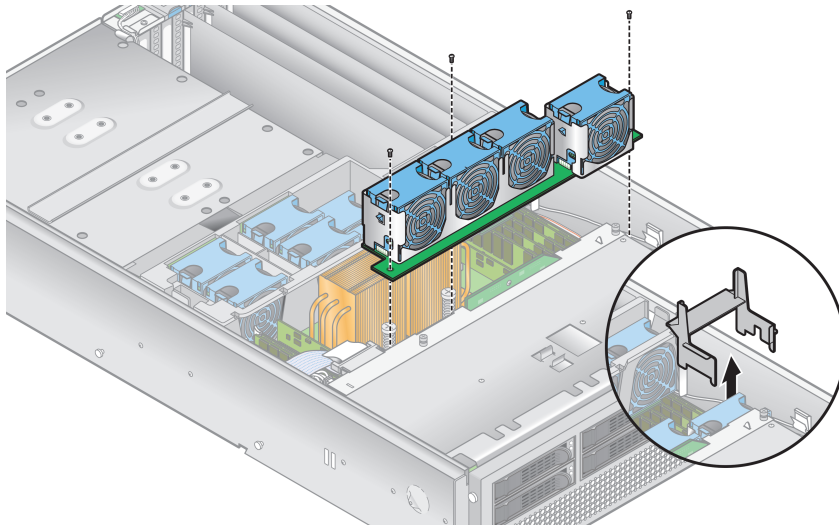
**Caution** – Ensure that the fan airflow direction is correct (front to rear) by installing the fan so that the airflow direction arrow points towards the rear of the chassis. After installing a new fan, allow sufficient time for the system to recognize the fan and to determine whether it is functioning properly.

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8. Check the routing of all cables for obstructions and then reinstall the cover.

## Replacing the Front Fan Cage Assembly in a Sun Fire V40z Server

1. Power off the system and remove the cover as shown in [FIGURE 4](#).
2. Remove the main air baffle (see [FIGURE 5](#)).  
Lift the rear edge of the baffle, then move it toward the server rear to disengage the hooks on the front edge of the baffle.
3. Remove the plastic air baffle from the base of fan 12 (see [FIGURE 7](#)).
4. Remove the three screws that secure the fan cage assembly to the motherboard (see [FIGURE 7](#)).

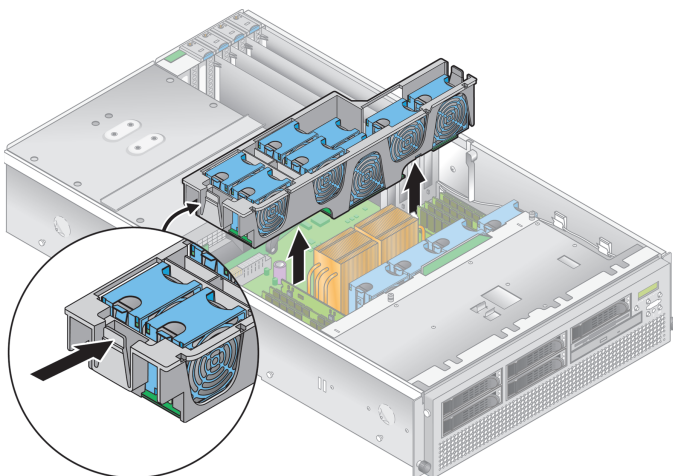


**FIGURE 7** Removing the Front Fan Cage Assembly

5. Lift the assembly up and out of the server.
6. Remove all individual fans from the fan cage.  
Squeeze the retainer clip on the edge of the fan, then pull the fan straight up to disengage its connector and remove it from the fan cage.
7. To install the new fan cage assembly, reverse [Step 2](#) through [Step 6](#).
8. Check the routing of all cables for obstructions and then reinstall the cover.

## Replacing the Rear Fan Cage Assembly in a Sun Fire V40z Server

1. Power off the system and remove the cover as shown in [FIGURE 4](#).
2. Remove the main air baffle (see [FIGURE 5](#)).
3. Squeeze the retainer clips on each end of the fan cage inward (see [FIGURE 8](#))
4. Pull straight up on the fan cage assembly to disengage it from the motherboard.



**FIGURE 8** Removing the Sun Fire V40z Rear Fan Cage Assembly

5. Lift the assembly up and out of the server.
6. Remove all individual fans from the fan cage.  
Squeeze the retainer clip on the edge of a fan, then pull the fan straight up to disengage its connector and remove it from the fan cage (see [FIGURE 6](#)).
7. To install the new fan cage assembly, reverse [Step 2](#) through [Step 6](#).
8. Check the routing of all cables for obstructions and then reinstall the cover.

**Part Number: 817-5265-11**

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