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Instructions for Replacing an 8239 Fan

⚠ **Danger:** Before you begin to install this product, read the safety information in *Caution: Safety Information—Read This First*, SD21-0030. This booklet describes safe procedures for cabling and plugging in electrical equipment.
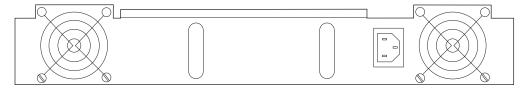

Figure 1. Replacing an 8239 Fan

Tools Needed

You need these tools to perform this procedure:

- Phillips #2 screwdriver
- T20 pinless Torx screwdriver

Removing the Fan

1 **Remove power from the 8239 by unplugging the power cord.**

2 Remove all Token-Ring port and EIA-232 port cables from the 8239. You may want to label each cable as you disconnect it for ease of reconnection.

If this 8239 is part of a stack, disconnect the stack-in and stack-out cables.

3 If the 8239 is installed in a rack, follow these instructions to remove it from the rack; otherwise, continue with step 5.

a Remove the four screws that attach the rack-mounting brackets to the rack.

b Put these screws, along with the cable management bracket from the right side, in a safe place.

4 Place the 8239 on a flat surface.

5 Remove the cover of the 8239:

a There are three screws on each side of the 8239: the Torx-head screw in the center helps secure the cover and the two Phillips-head screws at either end secure the mounting bracket. Remove these three screws from each side of the 8239.

b Remove the two top screws from each of the two fans at the rear of the 8239.

c Pull up on the cover from the rear of the 8239. Remove the cover and put it aside.

6 Disconnect the connector from the fan to the system board, noting the polarity of the header.

7 Remove the bottom two screws of the fan you are replacing.

8 Remove the fan, retaining the fan guard for use with the new fan.

Replacing the Fan

1 Place the new fan in the 8239, aligning it with the fan guard and with the holes in the rear of the 8239.

2 Insert and tighten the two lower fan-mounting screws.

3 Connect the fan cable to the system board, noting the polarity of the header.

4 Reinstall the cover:

a From the rear of the 8239, slide the cover toward the front, making sure that the side pieces are inside the chassis. As the locator tabs approach the front of the machine, press down on the front of the cover so that the tabs slide into their slots.

b Press down on the cover at the rear of the machine until it snaps into place.

c Insert and tighten the two top screws for each of the two fans.

d Insert and tighten the three screws on each side of the 8239.

5 If the 8239 was installed in a rack, follow these instructions to reinstall it; otherwise, continue with step 6.

To reinstall the 8239 in the rack:

a Gather the rack-mounting screws and the cable management bracket.

b Hold the 8239 in position in the rack and start the lower of the two screws that will secure the left bracket.

c On the right side, align the lower screw holes in the mounting bracket and the cable management bracket with the correct hole of the rack; start the screw.

d Tighten the two screws that are started and install the upper screws securing each bracket.

6 Connect all Token-Ring port and EIA-232 port cables to the 8239. If this 8239 is part of a stack, connect the stack-in and stack-out cables.

7 Power on the 8239 by plugging in the power cord.