



7-Slot Chassis Fan Tray Removal and Replacement Guide

For the CoreBuilder™ 9000 Enterprise Switch

This document describes how to remove and install a fan tray (Model Number 3CB9EF7) for the CoreBuilder™ 9000 Enterprise Switch 7-slot chassis.

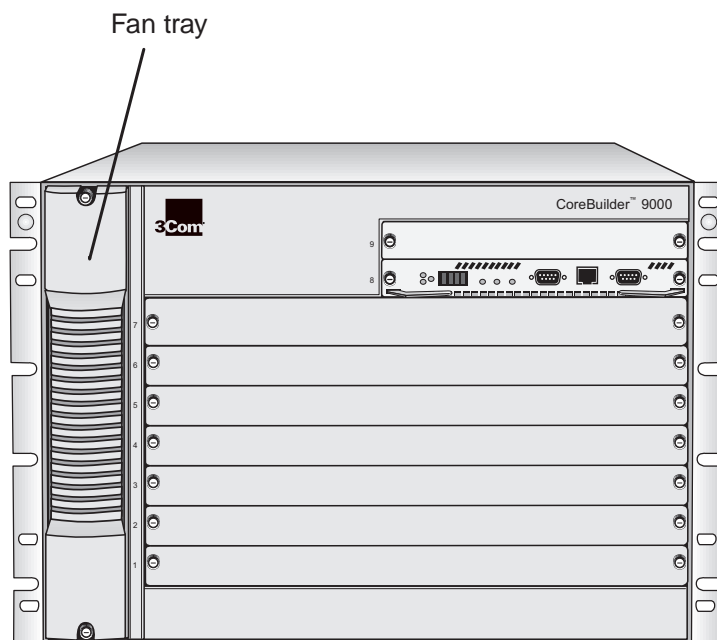


WARNING: The CoreBuilder 9000 fan tray must be installed and removed only by trained service personnel.

Fan Tray Description

The CoreBuilder 9000 Enterprise Switch 7-slot chassis contains one fan tray, which contains four fans that cool the Switch (Figure 1).

Figure 1 Location of the Fan Tray in the CoreBuilder 9000 7-slot Chassis





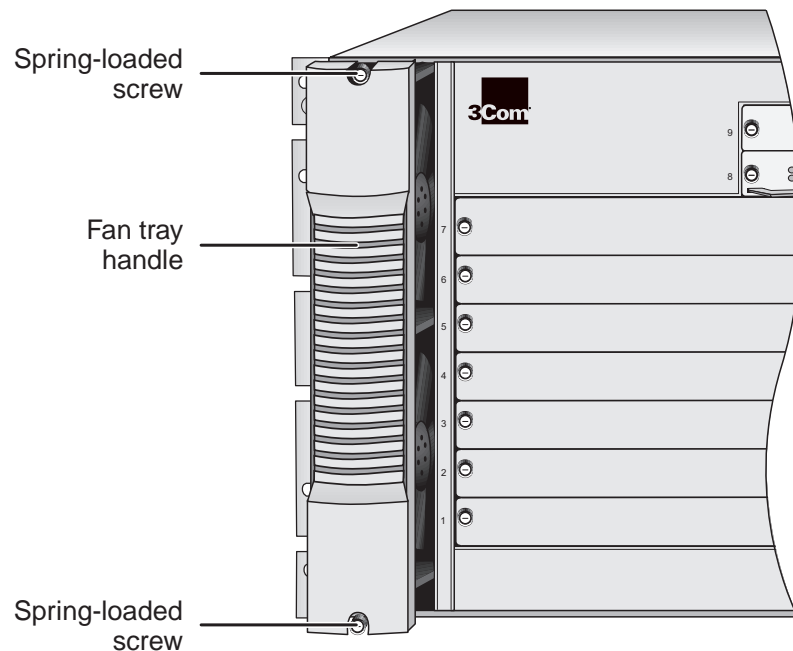
There are no user-serviceable parts on the fan tray. If the component fails, remove it as described in this document and return the component to your supplier. Keep replacement fan trays at your site so that they are available if needed.

Removing a Fan Tray

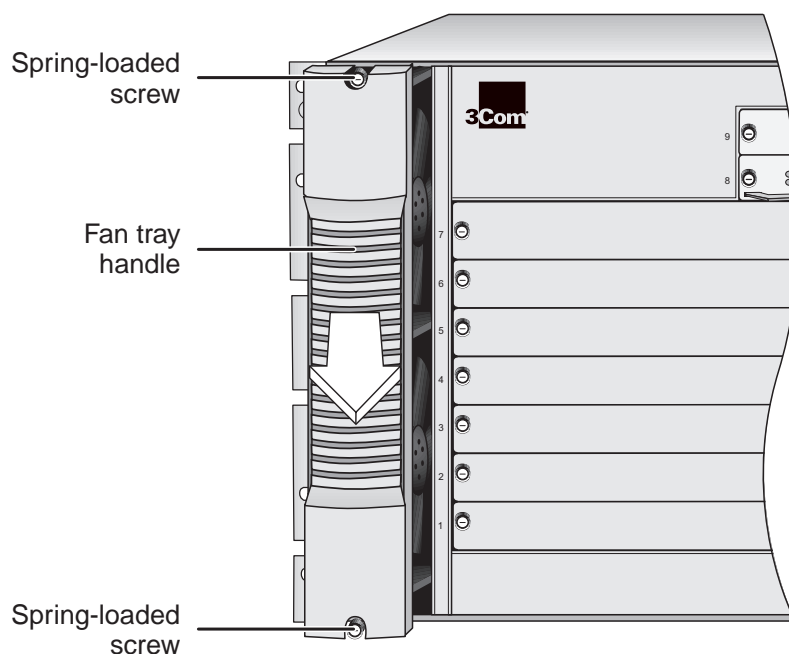
To remove a fan tray from the CoreBuilder 9000 chassis, follow these steps:

- 1 Face the front of the chassis and using a flat-blade screwdriver, loosen the two spring-loaded screws that attach the fan tray to the chassis (Figure 2).

Figure 2 Location of the Two Fan Tray Spring-Loaded Screws



- 2 Grasp the handle on the fan tray, and firmly pull the fan tray towards you (Figure 3).

Figure 3 Removing the Fan Tray Using the Handle

CAUTION: Before you completely remove the fan tray, wait until all the fans in the fan tray stop rotating.

- 3 Carefully pull the fan tray straight out from the chassis.

Installing a Fan Tray

Follow the instructions in this section to unpack and install a new fan tray.

Unpacking

To unpack a fan tray:

- 1 Open the shipping box and remove the fan tray.
- 2 Inspect the fan tray for damage. If the fan tray or its connector (Figure 4) appear to be damaged, repack it in the shipping box and contact your local supplier.



All shipping boxes are reusable. After you remove all contents, replace the packing materials and store the box for future use.

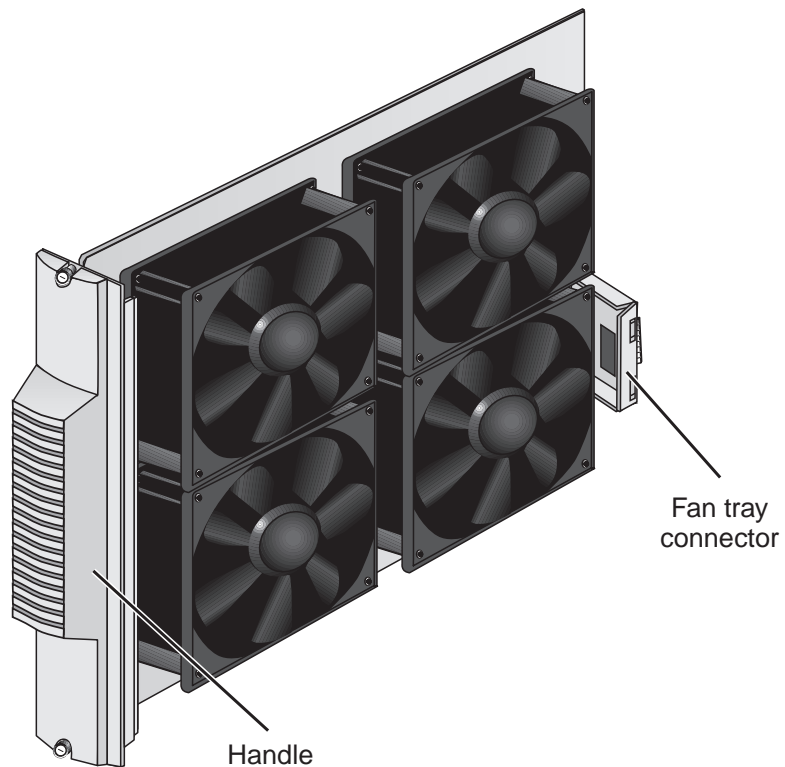
Installing

You can install a new fan tray in your CoreBuilder 9000 chassis while the power is on.

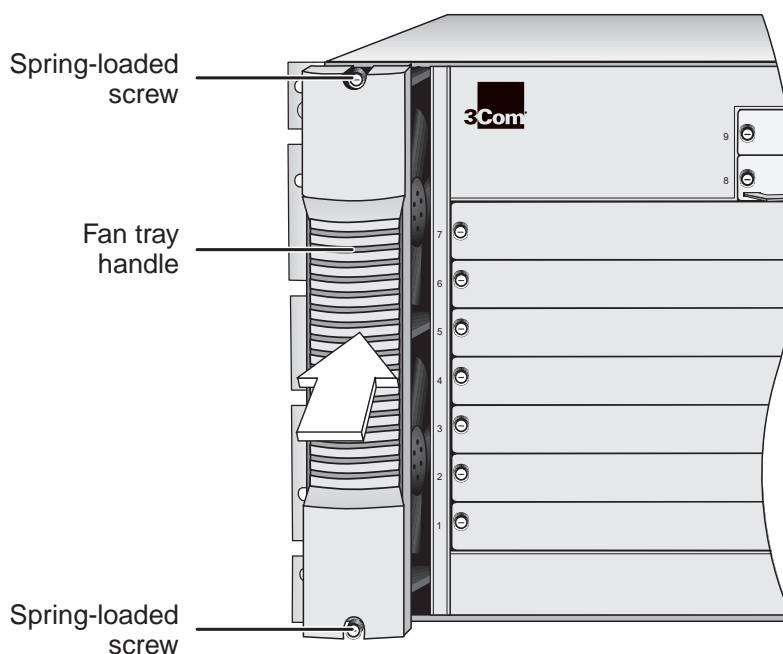
To install a new fan tray:

- 1 Grasp the handle on the fan tray and then face the front of the chassis.
- 2 Locate the connector on the fan tray (Figure 4).

Figure 4 Fan Tray Connector



- 3 Slide the fan tray into the chassis (Figure 5), using the guides in the chassis.

Figure 5 Installing the Fan Tray into the Chassis Using the Handle

- 4 Align the fan tray connector (Figure 4) and the backplane connector.
- 5 Gently push the fan tray inward until the connectors engage.
You feel a slight resistance as the connectors engage.



CAUTION: *If the resistance is too great, the fan tray connector and backplane connector may not be aligned properly. Do not force the fan tray inward or you can damage the connectors. If necessary, remove and reinsert the fan tray, ensuring that the connectors are properly aligned.*

- 6 Verify that the fan tray is flush with the front of the chassis. If the fan tray and the chassis are not aligned, remove the fan tray and reseal it.
- 7 Secure the fan tray to the chassis by tightening the two spring-loaded screws (Figure 5) using a flat-blade screwdriver. Tighten the spring-loaded screws to a Torque Specification of from 5 to 7 inch-pounds.



To ensure that you tighten screws to Torque Specification, use a torque screwdriver.



The fans begin rotating the moment that you power on the chassis or that you insert the fan tray into a powered-on chassis.

- 8 Visually inspect all installed fans to verify that each is turning without interruption. If a fan is not running, shut the power off and remove and reinsert the fan tray.

Operating Guidelines

Follow these operating guidelines for the CoreBuilder 9000 fans:

- If one fan in the fan tray fails, replace the fan tray as soon as possible.
- Do not leave the fan tray partially out of the fan tray slot. Make certain the fan tray is fully inserted into the slot.



CAUTION: *The CoreBuilder 9000 Enterprise Switch 7-slot chassis sends a fan fault message (known as a trap) and can continue to run if one fan fails in the fan tray. Replace the fan tray as soon as possible if one fan fails in the fan tray. If one fan in the fan tray fails and the temperature is 45 °C (113 °F) or greater, a trap message alerts you to replace the fan tray immediately.*

Locating 3Com User Documentation

The *CoreBuilder 9000 Enterprise Switch Getting Started Guide* is available in Adobe Acrobat Portable Document Format (PDF) format on the 3Com Documentation CD-ROM that comes with the product.

The CD-ROM also contains:

- Additional CoreBuilder 9000 documentation in Adobe Acrobat format
- Adobe Acrobat Reader and Reader installation instructions

If you have difficulty installing the Acrobat Reader, use an Internet browser to download the Reader from the Adobe home page at **<http://www.Adobe.com>**.

You can view additional 3Com technical documentation on the 3Com home page at **<http://www.3com.com>**. Click *Support* and look under *Documents and Software*.

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