

ProCurve 9408sl Routing Switch Fan Assembly Replacement Instructions

This booklet describes the procedures to replace the fan assembly in your ProCurve 9408sl Routing Switch. The fan assembly consists of two separate items: a fan control module, and the fan itself. Both items must be replaced in the event of a fan failure. Because the ProCurve 9408sl has redundant fan assemblies, you can replace a fan and fan control module while the chassis is powered on and running. The fans and fan control modules are located on the rear panel of the ProCurve 9408sl chassis.

Fan Assembly Installation Precautions



WARNINGS

- **WARNING:** To reduce risk of electric shock, the ESD wrist strap must have a series 1 meg ohm resistor.
- **WARNING:** When removing the fan module, the fan may still be spinning. Be careful to not accidentally insert your fingers into the fan while removing it from the chassis.

Cautions

- Attach a properly grounded ESD wrist strap to your wrist when handling the fan and fan control module. Do not touch the components or edge connectors on any printed circuit boards, or the pins on any connectors. Otherwise, damage due to static discharge could occur.
- To avoid overheating the ProCurve 9408sl chassis, remove only one fan or fan control module at a time. A minimum of one fan must remain operational at all times. Do not remove both fan assemblies from the chassis at one time.

To replace a fan assembly, you need the following:

- A new fan assembly, which you can order from HP after the warranty period. A new fan assembly (part # J8680-80003) can be ordered from the HP Parts Store (Online Shopping) web page (URL www.hp.com/buy/parts).
- A small flathead screwdriver
- A small Phillips screwdriver
- An ESD wrist strap. If your ESD wrist strap has a “banana plug”, it can be plugged into the ESD connector on the ProCurve 9408sl chassis, located in the upper right corner of the chassis rear.

Replacing the Fan Assembly Procedure

Remove the fan control module:

1. Put on the ESD strap and ground yourself by inserting the plug into the ESD connector located in the upper right corner of the chassis rear.
2. Using the Phillips screwdriver, loosen the two screws that secure the fan control module (marked “FCM A” or “FCM B”) to the chassis rear.



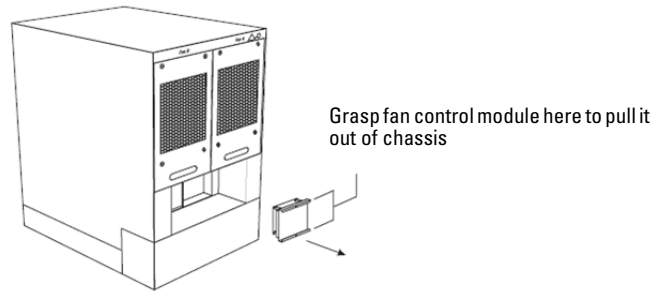
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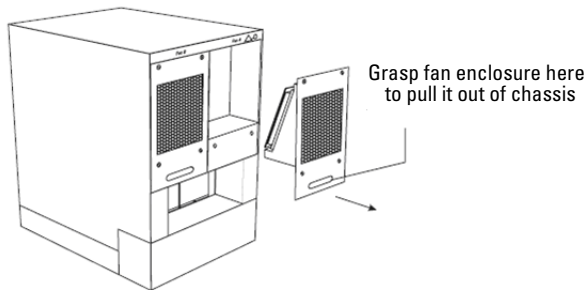
3. Remove the fan control module from the chassis by grasping and pulling integral handles at the top and bottom of the fan control module faceplate as shown below. Pulling the fan control module unseats the fan control module connector from a chassis connector.



Remove the fan:

WARNING: To reduce the chance of contact with a spinning fan and to prevent equipment damage, do not perform this step with the fan control module installed.

1. Using the flathead screwdriver, remove the four screws that secure the fan (marked “Fan A” or “Fan B”) to the chassis rear.
2. Remove the fan from the chassis by inserting your fingers underneath the fan enclosure and pulling the enclosure toward you as shown below. Pulling the enclosure unseats the fan connector from a chassis connector.



Install the new fan:

1. Insert the new fan into the fan slot and push the enclosure in until the faceplate is flush with the chassis. Pushing the enclosure in seats the fan connector with the chassis connector.
2. Secure the fan to the chassis by tightening the four screws.

Install the new fan control module:

1. Insert the new fan control module into the fan control module slot, making certain that the LED on the faceplate is closer to the top of the chassis than the bottom of the chassis.
2. Push the fan control module in until the faceplate is flush with the chassis. Pushing the module in seats the module connector with the chassis connector.
3. Secure the fan control module to the chassis by tightening the two screws. The ProCurve 9408sl initializes the replaced fan control module automatically.

Verify successful operation:

1. Observe the LED on the fan control module faceplate to verify that it is operating normally. The LED should be a steady green, which indicates that the associated fan is working and responding to the fan control module. If for some reason a replaced fan control module does not initialize automatically, you can initialize it manually. To manually initialize the fan control module, access the CLI and enter this global configuration command:

```
ProCurve RS (config)# fan <fan-number> init
```

For the <fan-number> parameter, you can specify one of the following:

0 - The system initializes the fan control module associated with fan 0 (labeled “Fan A” on the chassis)

1 - The system initializes the fan control module associated with fan 1 (labeled “Fan B” on the chassis)

2 - The system initializes both fan control modules.

2. Access the CLI and enter the **show chassis** command to verify that the new fan is operating normally.