



SilkWorm 4100 Fan Assembly Replacement Procedure

Supporting Fabric OS v4.4.0

Supporting SilkWorm 4100

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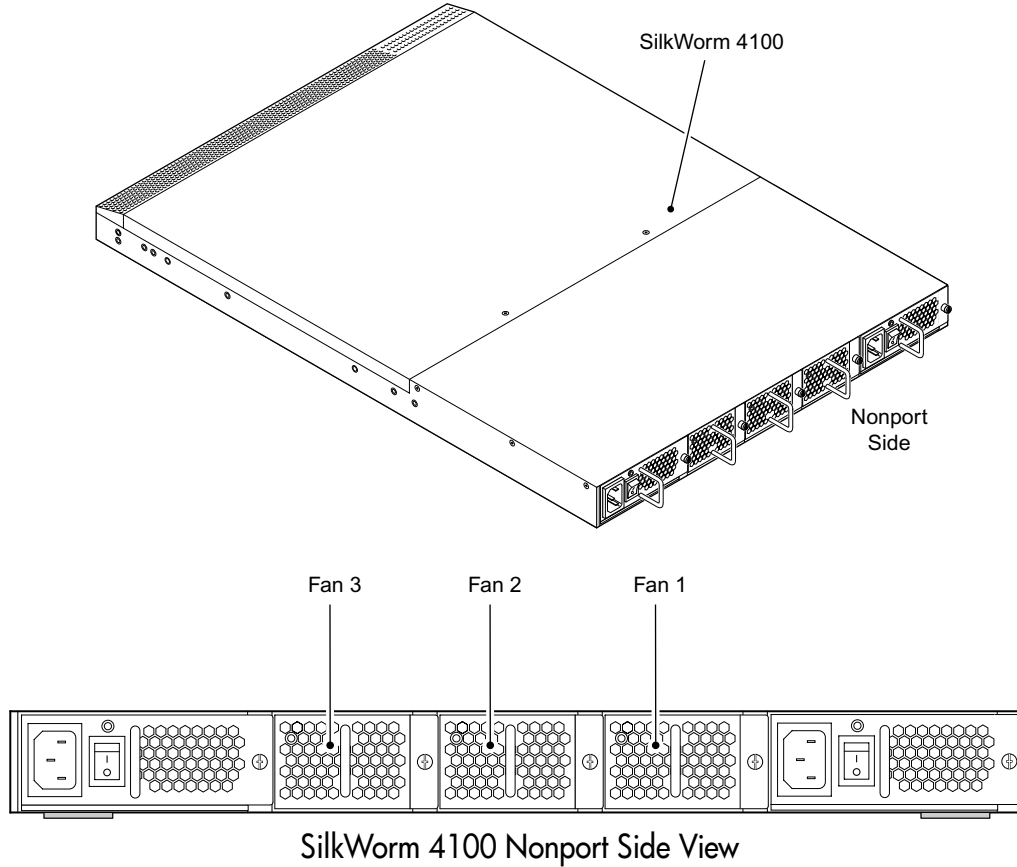
Document History

The following table lists all published versions of the *SilkWorm 4100 Fan Assembly Replacement Procedure*.

Document Title	Publication Number	Summary of Changes	Publication Date
<i>SilkWorm 4100 Fan Assembly Replacement Procedure</i>	53-0000571-01	None; this is a new document.	July 2004

The SilkWorm 4100 switch has three fan assemblies as displayed in [Figure 1](#). Fabric OS identifies the fans from left to right as Fan 3, Fan 2, and Fan 1.

Figure 1 SilkWorm 4100 Fan Assemblies on the Nonport Side



Caution

Disassembling any part of the fan assembly voids the part warranty and regulatory certifications. There are no user-serviceable parts inside the fan assembly.

Because the cooling system relies on pressurized air, do not leave any of the fan assembly slots empty longer than two minutes while the switch is operating. If a fan assembly fails, leave it in the switch until it can be replaced.

Maintain all three fan assemblies in operational condition to provide redundancy.

Table 1 describes the fan status LED colors, behaviors, and actions required, if any.

Table 1 Fan Status LED Behavior, Description, and Required Actions

LED Color and Behavior	Description	Action Required
No light	Fan assembly is not receiving power.	No action required.
Steady green	Fan assembly is operating normally.	No action required.
Steady amber (for more than five seconds)	Fan fault for one of the following reasons: <ul style="list-style-type: none">• one or more of the fan(s) in the fan assembly has failed• the fan FRU was disabled by the user	Verify that the fan FRU is enabled. If the fan FRU is enabled, the FRU is faulty and should be replaced.

Time Required

Replacing a fan assembly in the SilkWorm 4100 switch should take less than two minutes.

Items Required

You need the following items to replace a fan assembly in a SilkWorm 4100 switch:

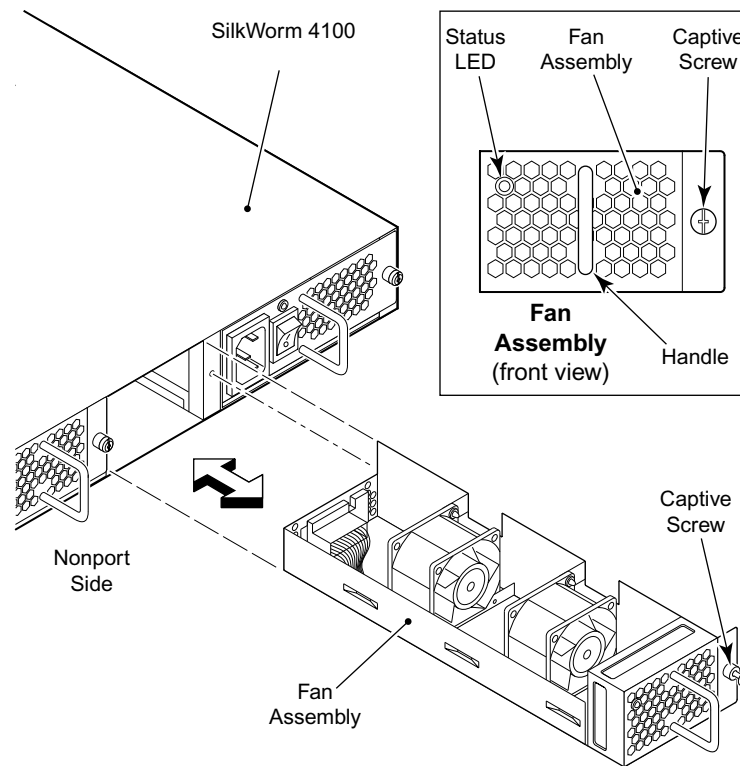
- Brocade SilkWorm 4100 switch
- New fan assembly
- Phillips-head screwdriver #1

Replacing a SilkWorm 4100 Fan Assembly

To replace a fan assembly in a SilkWorm 4100 switch:

1. Unscrew the captive screw on the fan assembly you are replacing using a Phillips-head screwdriver.
2. Remove the fan assembly you are replacing from the chassis by pulling the handle out, away from the chassis.
3. Install the new fan assembly in the chassis:
 - a. Orient the new fan assembly as shown in [Figure 2](#), with the captive screw on the right.

Figure 2 Inserting the Fan Assembly in the SilkWorm 4100 Switch



- b. Gently push the fan assembly into the chassis until it is firmly in.



Caution

Do not force the installation. If the fan assembly does not slide in easily, ensure that it is correctly oriented before continuing.

- c. Secure the fan assembly to the chassis by screwing in the captive screw using the Phillips-head screwdriver.
4. Verify that the fan status LED is not lit in a steady amber color for more than five seconds, which indicates a fault (see [Table 1](#)).
 5. Optionally, type the **fanShow** command at the command line to display fan status. Fabric OS identifies the fans in a SilkWorm 4100 from left to right as Fan 3, Fan 2, and Fan 1 (see [Figure 1](#)).