

Remove and Replace Cisco NCS 1000 Breakout Patch Panel and Modules

This chapter describes the tasks to replace Cisco NCS 1000 Breakout Patch Panel and Cisco NCS 1000 Breakout Modules.

Note In this chapter, "breakout panel" refers to the "Cisco NCS 1000 Breakout Patch Panel". "breakout modules" refer to the "Cisco NCS 1000 Breakout Modules".

Caution Always populate the modular slots in the Cisco NCS 1010 chassis with respective modules (line card, controller, PSU, and fan trays). Perform the replacement or upgrade of the modules (Online Insertion or Removal (OIR)) only when the ambient temperature is below 30 degree Celsius. Complete the OIR of modules within five minutes to prevent overheating of the components.

Warning **Statement 1028**—More Than One Power Supply

This unit might have more than one power supply connection. To reduce risk of electric shock, remove all connections to de-energize the unit.



Warning **Statement 1073**—No User-Serviceable Parts

There are no serviceable parts inside. To avoid risk of electric shock, do not open.

Note **Statement 1089—**Instructed and Skilled Person Definitions

An instructed person is someone who has been instructed and trained by a skilled person and takes the necessary precautions when working with equipment.

A skilled person or qualified personnel is someone who has training or experience in the equipment technology and understands potential hazards when working with equipment.

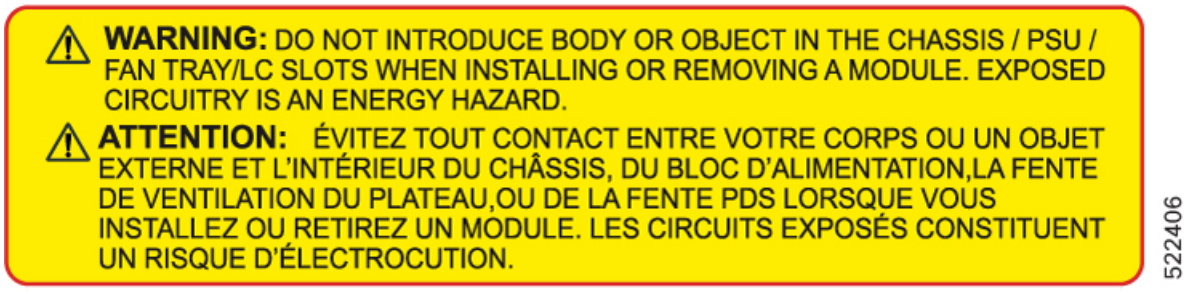
Warning **Statement 1090—**Installation by a Skilled Person

Only a skilled person should be allowed to install, replace, or service this equipment. See statement 1089 for the definition of a skilled person.

Warning **Statement 1091—**Installation by an Instructed Person or Skilled Person

Only an instructed person or skilled person should be allowed to install, replace, or service this equipment. See statement 1089 for the definition of an instructed person or skilled person.

Note The maximum operating altitude for OIR is 1800 m.



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Remove and Replace Breakout Panel Plastic Cover

This task describes the steps for removing the plastic cover from the breakout panel.

Procedure

Step 1 Loosen the six captive screws in the plastic cover.

Step 2 Pull the plastic cover away from the breakout panel to remove the plastic cover.

What to do next

- Install Breakout Panel Plastic Cover

Remove and Replace NCS 1000 Breakout Module

This task describes the steps for removing a breakout module in the rack.

Before you begin

Uninstall the Plastic Cover. See Remove and Replace Breakout Panel Plastic Cover, on page 2.

Procedure

Step 1 Remove the LC cables from the LC adapter ports in the breakout module.

Note
Keep the LC cables in a safe place to protect the cables from damage and dust.

Step 2 Remove the MPO cables from the MPO adapter port (COM).

Note
Keep the MPO cables in a safe place to protect the cables from damage and dust.

Step 3 Disconnect the inventory USB 2.0 cable in the USB receptacle (INV) for the breakout module to replace.

Step 4 Loosen the captive screws of the breakout module.

Step 5 Extract the breakout module from the breakout panel.

What to do next

- Install the NCS 1000 Breakout Modules

Remove and Replace Cisco NCS 1000 Breakout Patch Panel

This task describes the steps for removing the breakout panel in the rack.

Before you begin

- Remove the USB 3.0 cable connector plug.
- Uninstall Breakout Modules. See Remove and Replace NCS 1000 Breakout Module, on page 3.

Procedure

Step 1 Loosen the screws of the breakout panel in the ETSI and 23-inch adapter brackets.

Note
For the 19-inch rack, you can loosen the breakout panel screws from the ANSI 19-inch rack.

Step 2 Support the top and bottom of the breakout panel with your hand to extract the breakout panel.

What to do next

- Install the NCS 1000 Breakout Patch Panel