



Installing Exterior Components

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Installing Exterior Components

This chapter provides instructions for installing the exterior cosmetic components on the Cisco CRS 8-Slot Line Card Chassis Enhanced router. This chapter presents the following topics:

Overview of the Exterior Components

Exterior cosmetic components for the Cisco CRS 8-Slot Line Card Chassis Enhanced router are not required to be installed; they are provided as optional components (except for the cable management bracket, which is preinstalled). The Cisco CRS 8-Slot Line Card Chassis Enhanced router is shipped with the following exterior components:

- Inlet grille (shipped separately)
- Front cover (shipped separately)

You can also install the optional exterior exhaust grille for the rear of the chassis. This exterior component for the rear of the chassis does not ship automatically with the product; it must be ordered separately. For more information about installing the rear exhaust grille, see [Installing a Rear Exhaust Grille, page 4-5](#).

Installing the Front Side Exterior Components

This section contains the following procedures:

Installing the Inlet Grille

This section describes how to install the inlet grille on a Cisco CRS 8-Slot Line Card Chassis Enhanced router. The grille covers the power module and air intake areas at the bottom of the front (PLIM) side of the chassis, just below the card cage.

Figure 1: Inlet Grille



Prerequisites

Before installing the inlet grille, you should mount the chassis in a rack and remove the rear handle pulls. See the [Cisco CRS Carrier Routing System 8-Slot Line Card Chassis Enhanced Router Unpacking, Moving, and Securing Guide](#).

Required Tools and Equipment

- ESD-preventive wrist strap
- Inlet grille (Cisco product number: CRS-8-PW-GRILL)

Steps

To install the inlet grille, perform the following steps:

Procedure

- Step 1** Remove the new inlet grille from its packaging, then set the packaging aside.
 - Step 2** Attach the ESD-preventive wrist strap to your wrist and connect its leash to one of the ESD connection sockets on the front (PLIM) side of the chassis or a bare metal surface on the chassis.
 - Step 3** Align and insert the hooks at the bottom of the inlet grille into the cutouts at the bottom of the chassis casing on the front (PLIM) side of the chassis, just in front of the power modules.
 - Step 4** Rotate the top of the inlet grille toward the chassis, and snap it into place on the ball studs.
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What to Do Next

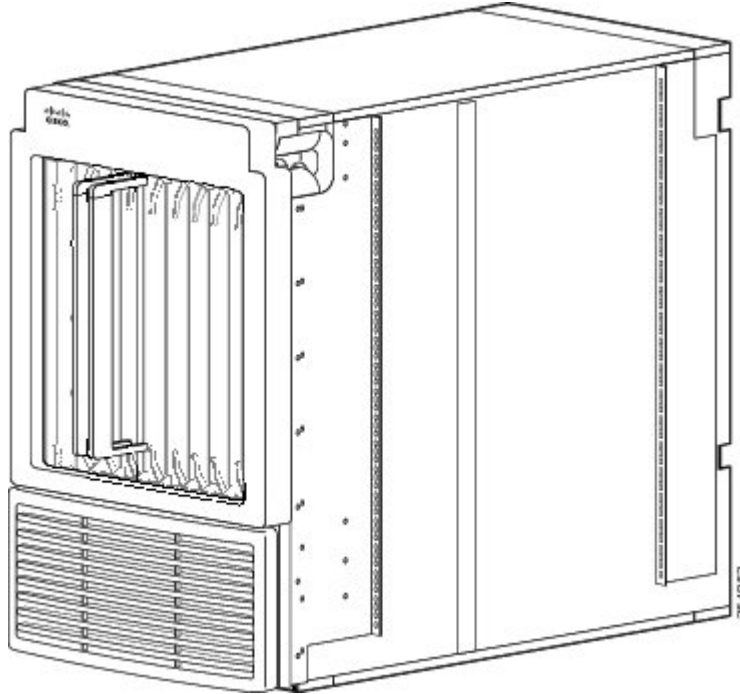
After performing this task, you may install the front cover. See [Installing the Front Cover](#), on page 3.

Installing the Front Cover

This section describes how to install the front cover. The front cover protects the card cage on the front (PLIM) side of the chassis.

The following figure shows the front cover installed on the Cisco CRS 8-Slot Line Card Chassis Enhanced router.

Figure 2: Front Cover Installed on the Cisco CRS 8-Slot Line Card Chassis Enhanced Router



Prerequisites

Before installing the front cover, you should mount the chassis in a rack and remove the rear handle pulls. See the [Cisco CRS Carrier Routing System 8-Slot Line Card Chassis Enhanced Router Unpacking, Moving, and Securing Guide](#).

Required Tools and Equipment

- ESD-preventive wrist strap
- Number 1 Phillips screwdriver
- Front cover (Cisco product number: CRS-8-FRONT-COVER=) [Optional]

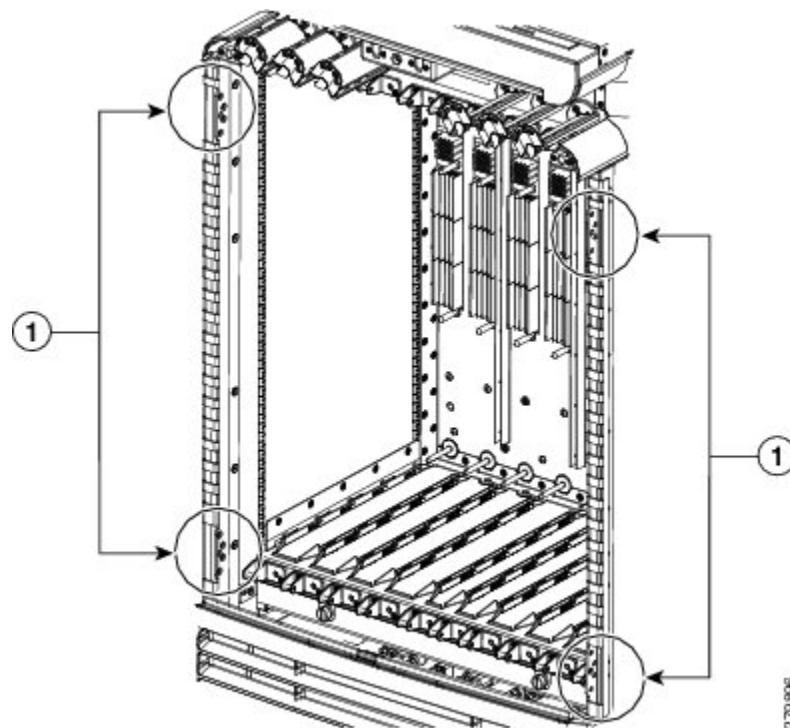
Steps

To install the front cover, perform the following steps:

Procedure

- Step 1** Remove the new front cover from its packaging.
- Step 2** Attach the ESD-preventive wrist strap to your wrist and connect its leash to one of the ESD connection sockets on the front (PLIM) side of the chassis or a bare metal surface on the chassis.
- Step 3** Install the ball stud retainer brackets on the vertical chassis rack rails, two on the left and two on the right.

Figure 3: Location of Ball Stud Retainer Brackets on Vertical Chassis Rack Rails

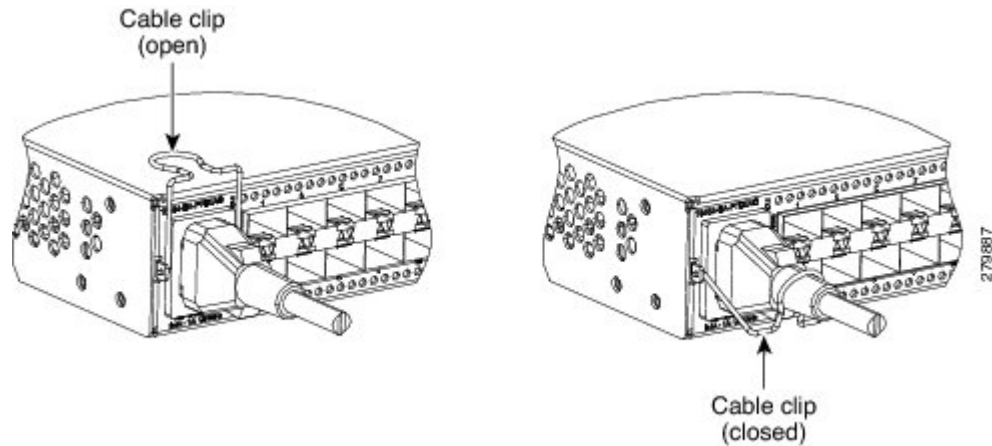


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Ball stud retainer brackets

- Step 4** Using the screwdriver, tighten the four flat head screws that attach each ball stud retainer bracket to the vertical chassis rack rails.

Figure 4: Attaching the Ball Stud Retainer Bracket to the Left Vertical Chassis Rack Rail.



- Step 5** Align the four ball studs on the front cover with the holes on the ball stud retainer brackets.
- Step 6** Firmly press until the four ball studs snap into place. Refer to [Figure 2: Front Cover Installed on the Cisco CRS 8-Slot Line Card Chassis Enhanced Router](#).