



Installing the Cisco ASR1000-RP3 Module

This chapter contains the following topics:

- [Installing the Cisco ASR1000-RP3 Module in the Router, page 3-1](#)
- [Removing the Cisco ASR1000-RP3 Module from the Router, page 3-3](#)



Warning

Only trained and qualified personnel should be allowed to install, replace, or service this equipment. Statement 1030



Warning

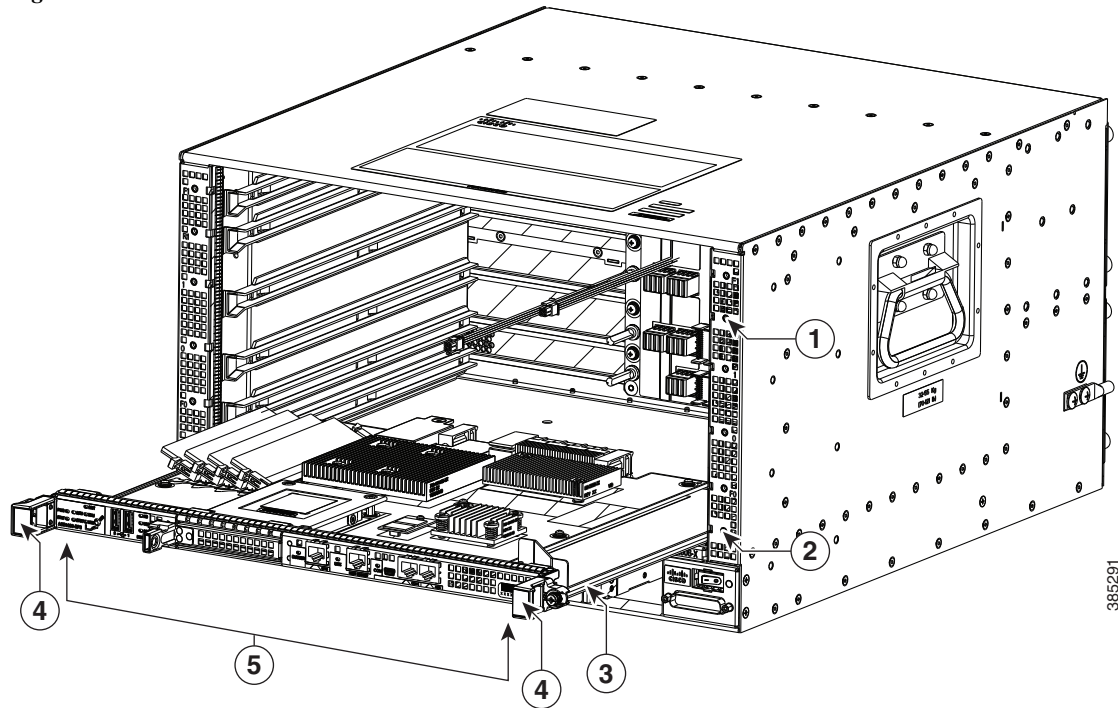
During this procedure, wear grounding wrist straps to avoid ESD damage to any card. Do not directly touch the backplane with your hand or any metal tool, or you could shock yourself. Statement 94

Installing the Cisco ASR1000-RP3 Module in the Router

The Cisco ASR1000-RP3 module can be installed in Slot R1 and Slot R0 of the Cisco ASR 1013, Cisco ASR 1006-X, and Cisco ASR 1009-X routers.

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- Step 1** Attach an ESD-preventive wrist strap between you and an unfinished chassis surface.
- Step 2** Remove the new RP from its static shielding bag.
- Step 3** Using both hands, grasp the RP by its metal carrier and orient it so that its printed circuit board components are upward.

Figure 3-1 Cisco ASR1000-RP3 With Metal Carrier and Handles



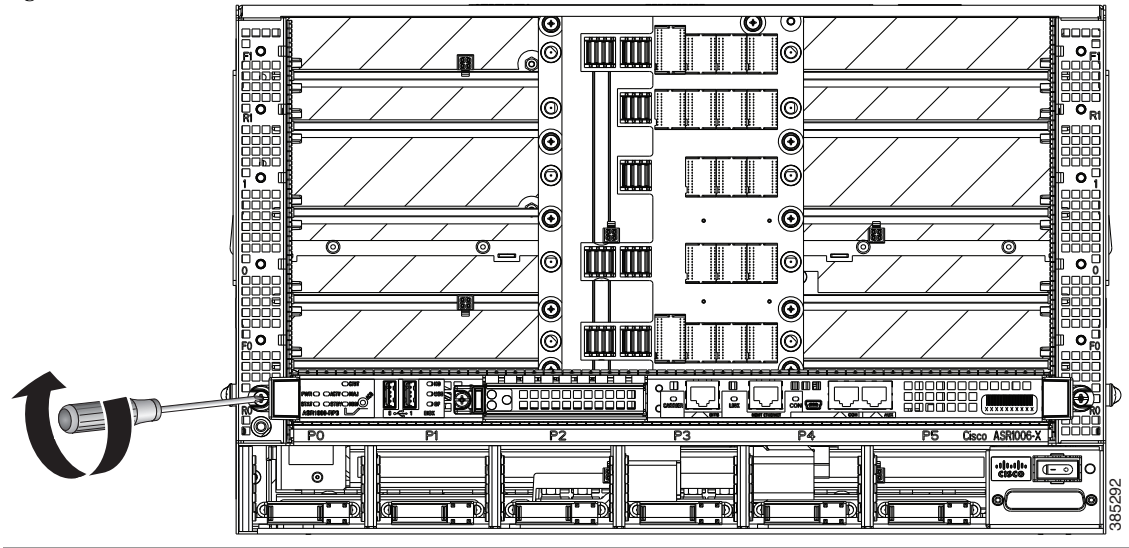
1	RP Slot R1	2	RP Slot R0
3	Metal Carrier	4	Handles
5	Cisco ASR1000-RP3		



Caution Handle the RP by the metal carrier or handles only (see #3 and #4 in [Figure 3-1](#)); never touch the printed circuit board components or connector pins.

- Step 4** Align the left and right edges of the RP printed circuit board between the RP slot guides.
- Step 5** Gently slide the RP all the way into its chassis slot until you feel the connectors seat with the router midplane.
- Step 6** Seat the RP in the router midplane by tightening its captive installation screws with a number 2 Phillips or a 3/16-inch flat-blade screwdriver as shown in [Figure 3-2](#).

Figure 3-2 Cisco ASR1000-RP3 Installed in the Chassis



Removing the Cisco ASR1000-RP3 Module from the Router



Note

If you have two RPs in the router and you want to remove one, do not power down the router. Remove the RP and then insert a new one; high availability provides for the other RP to take on the processing tasks for the router.

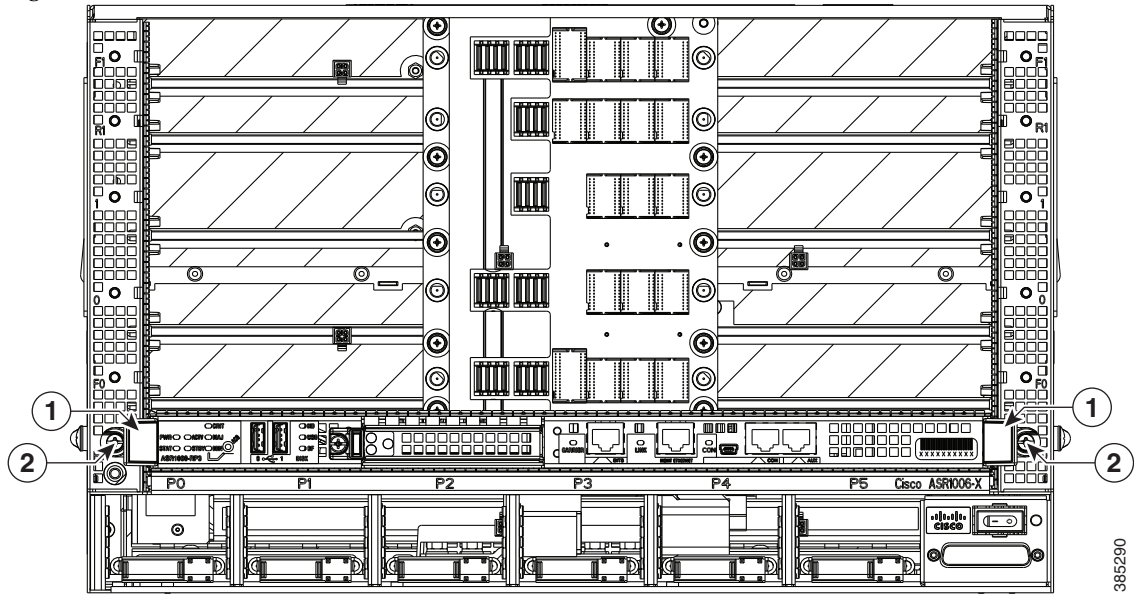
- Step 1** Slip on an ESD-preventive wrist strap and attach it to a chassis surface.
- Step 2** If connected, remove any I/O cables from the RP.
- Step 3** Using a number 2 Phillips or a 3/16-inch flat-blade screwdriver, loosen the two captive screws on the faceplate of the RP.
- Step 4** Using the handles on both sides of the module, with both hands gently slide the module out of the chassis slot.



Caution

Handle the RP by the carrier edges only; never touch the printed circuit board components or connector pins.

Figure 3-3 Cisco ASR1000-RP3 Handles



1	Handles	2	Screws
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- Step 5** Place the RP module on an antistatic surface with its printed circuit board components facing upward or in a static shielding bag.



Note If you are returning the RP to the factory, immediately place it in a static shielding bag.