



# RAID Battery Replacement for Supported Cisco Security Appliances

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## Hardware Supported

This document ships with the Cisco Security RAID battery for the following products:

<b>Platform</b>	<b>x50 Appliances</b>	<b>x60 Appliances</b>	<b>x70 Appliances</b>
Cisco Email Security Appliance (ESA)	C350 C650 X1050	C360 C660 X1060	C370 C670 X1070
Cisco Web Security Appliance (WSA)	S650	S360 S660	S370 S670
Cisco Content Security Management Appliance (SMA)	M650 M1050	M660 M1060	M670 M1070



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# Overview to Replace the RAID Battery

To replace the RAID battery, complete the following detailed procedures. The RAID battery replacement procedure can be summarized as follows:

Step	Do This	More Information
Step 1	Suspend email receiving and delivery (ESA only).	<a href="#">Suspend Email Receiving and Delivery, page 2.</a>
Step 2	Shut down the appliance.	<a href="#">Shut Down or Reboot the Cisco Appliance, page 3.</a>
Step 3	Remove the chassis cover.	<a href="#">Remove the Chassis Cover, page 3.</a>
Step 4	Remove the RAID battery.	<ul style="list-style-type: none"> <li>• <a href="#">Remove and Install the RAID Battery for the x50 and x60, page 4.</a></li> <li>• <a href="#">Remove and Install the RAID Battery for the x70, page 5.</a></li> </ul>
Step 5	Install the replacement battery.	<ul style="list-style-type: none"> <li>• <a href="#">Remove and Install the RAID Battery for the x50 and x60, page 4.</a></li> <li>• <a href="#">Remove and Install the RAID Battery for the x70, page 5.</a></li> </ul>
Step 6	Replace the chassis cover.	<a href="#">Replace the Chassis Cover, page 7.</a>
Step 7	Reboot the appliance.	<a href="#">Shut Down or Reboot the Cisco Appliance, page 3.</a>
Step 8	Resume suspended email receiving and delivery (ESA only).	<a href="#">Resume Suspended Email Receiving and Delivery, page 7.</a>

## Suspend Email Receiving and Delivery



### Note

This procedure applies to the Cisco Email Security appliances only.

When you suspend email receiving and delivery, the system remains suspended even after the machine is rebooted. You can use the `suspend` command in the CLI, or use the GUI.

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- Step 1** Select **System Administration > Shutdown/Suspend**.
- Step 2** In the **Mail Operations** section, select the functions and/or listeners to suspend.  
If the appliance has multiple listeners, you can suspend email receiving on individual listeners.
- Step 3** Enter a number of seconds to wait to allow open connections to complete before forcing them to close.  
If there are no open connections, the system goes offline immediately.  
The default delay is thirty (30) seconds.
- Step 4** Click **Commit**.
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# Shut Down or Reboot the Cisco Appliance

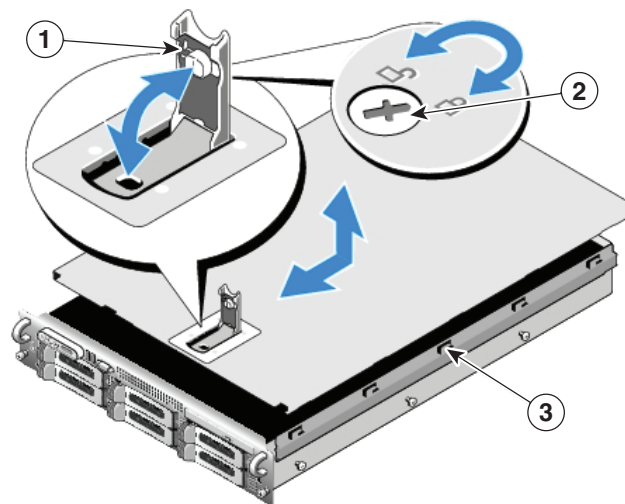
After you shut down or reboot, you may restart the appliance later without losing any messages in the delivery queue. You can use the `shutdown` or `reboot` command in the CLI, or use the GUI:

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- Step 1** Select **System Administration > Shutdown/Suspend**.
  - Step 2** In the **System Operations** section, choose **Shutdown** or **Reboot** from the **Operation** drop-down list.
  - Step 3** Enter a number of seconds to wait to allow open connections to complete before forcing them to close. The default delay is thirty (30) seconds.
  - Step 4** Click **Commit**.
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## Remove the Chassis Cover

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- Step 1** Observe all safety and Electro Static Discharge (ESD) precautions.
  - Step 2** Turn off the appliance.
  - Step 3** Disconnect the AC power cords.
  - Step 4** To remove the chassis cover, turn the latch release lock counter-clockwise to the unlocked position. See [Figure 1](#).
  - Step 5** Lift up the latch located on the top of the appliance. See [Figure 1](#).
  - Step 6** Grasp the cover on both sides and carefully lift the cover upward to remove it from the appliance.

**Figure 1** Removing the Chassis Cover on the x50, x60, and x70 Appliances



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Item Number	Description
1	Latch
2	Latch release lock
3	Alignment J hooks

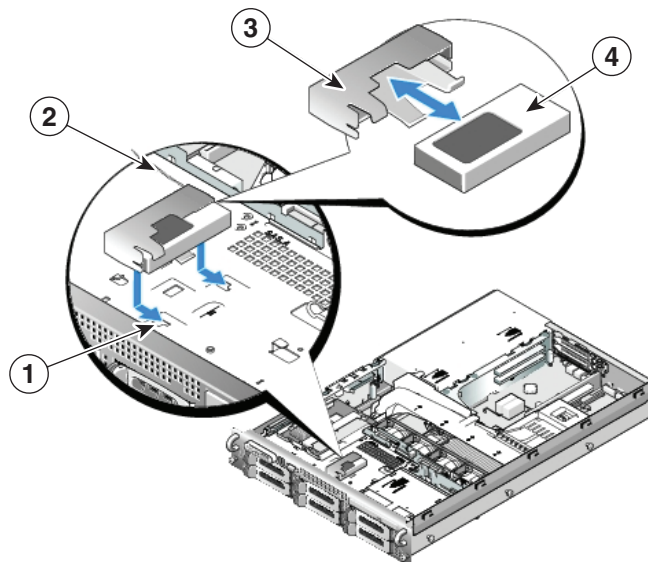
## Remove and Install the RAID Battery for the x50 and x60

See the table in “[Hardware Supported](#)” section on page 1, which lists the supported x50 and x60 appliances.

### Remove the RAID Battery

- Step 1** Disconnect the cable between the RAID battery and the SAS RAID controller daughter card.
- Step 2** Press down and to the left on the battery carrier to disengage the carrier from the battery carrier slots on the chassis.
- Step 3** Gently pull back the two guides that hold the RAID battery in the battery carrier.
- Step 4** Slide the RAID battery from the battery carrier.

**Figure 2** Removing and Installing the RAID Battery on the x50 and x60 Appliances



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Item Number	Description
1	Chassis battery carrier slot (2)
2	Battery cable
3	Battery carrier
4	SAS RAID controller daughter card battery

## Install the RAID Battery

- Step 1** Insert the RAID battery into the battery carrier.
- Step 2** Insert the battery carrier and RAID battery into the chassis battery carrier slots on the chassis.
- Step 3** Connect the cable to the storage daughter card, ensuring that the battery carrier is aligned and fully seated in the slots.

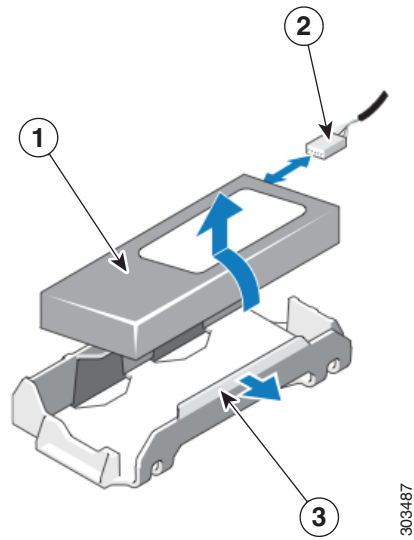
## Remove and Install the RAID Battery for the x70

See the table in the [“Hardware Supported” section on page 1](#), which lists the supported x70 appliances.

## Remove the RAID Battery

- Step 1** Gently pull back on the right edge of the battery carrier. See [Figure 3](#).
- Step 2** Slide the RAID battery from the battery carrier.
- Step 3** Disconnect the cable between the RAID battery and the storage controller card.

**Figure 3** Removing the RAID Battery on the x70 Appliances



Item Number	Description
1	RAID battery
2	RAID battery cable from storage controller
3	Battery carrier

## Install the RAID Battery

- Step 1** Connect the battery cable to the connector on the battery.
- Step 2** Locate the battery carrier on top of the hard drive bays.
- Step 3** With the cable oriented toward the back, angle the left side of the RAID battery into the left side of the battery carrier. See [Figure 3](#).
- Step 4** Rotate the right side of the battery down and press it into the locked position, ensuring that the battery carrier is aligned and fully seated.
- Step 5** Route the battery cable through the right chassis wall.
- Step 6** Connect the battery cable to the battery connector on the storage controller.

## Replace the Chassis Cover

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- Step 1** Lift up the latch located on the top of the appliance.
  - Step 2** Place the cover on top of the appliance, offsetting the cover slightly back so that it clears the chassis J hooks and lays flush on the chassis.
  - Step 3** Push down on the latch to place the cover in the closed position.
  - Step 4** Rotate the latch release lock in a clockwise direction to secure the cover.
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### What To Do Next

- To reboot your system, see “[Shut Down or Reboot the Cisco Appliance](#)” section on page 3.
- When you are ready to resume suspended services, see “[Resume Suspended Email Receiving and Delivery](#)” section on page 7.

## Resume Suspended Email Receiving and Delivery



### Note

This procedure applies to the Cisco Email Security appliances only.

The `resume` command in the AsyncOS CLI returns the Cisco AsyncOS operating system to normal operating state after using the `suspenddel` or `suspend` command.

### Procedure

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- Step 1** Select **System Administration > Shutdown/Suspend**.
  - Step 2** In the **Mail Operations** section, select the functions and/or listeners to resume.  
If the appliance has multiple listeners, you can resume email receiving on individual listeners.
  - Step 3** Click **Commit**.
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## Service and Support

You can contact support using one of the following methods:

Cisco IronPort Support: [http://www.cisco.com/en/US/products/ps11169/serv\\_group\\_home.html](http://www.cisco.com/en/US/products/ps11169/serv_group_home.html)

U.S. Toll-Free Number: 1-800-553-2447 or 1-408-526-7209

International Contacts: [http://www.cisco.com/en/US/support/tsd\\_cisco\\_worldwide\\_contacts.html](http://www.cisco.com/en/US/support/tsd_cisco_worldwide_contacts.html)

# Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as an RSS feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service. Cisco currently supports RSS Version 2.0.

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