CHAPTER 4

Installing or Replacing the Backup Battery

This chapter describes the procedures to install or replace the backup battery in the 1552E and 1552EU access points. These sections are included in this chapter:

Before Beginning the Installation or Replacement

The backup battery is located internal to the 1552E and 1552EU access points and attached to the radio cover. The backup battery cannot be installed or replaced in an outdoor environment. You must use a static-protected work surface within an indoor environment.

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

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Caution   ESD can damage the internal components of the access point. We recommend that the backup battery installation or replacement procedures be performed by an ESD-trained service technician at an ESD-protected workstation.

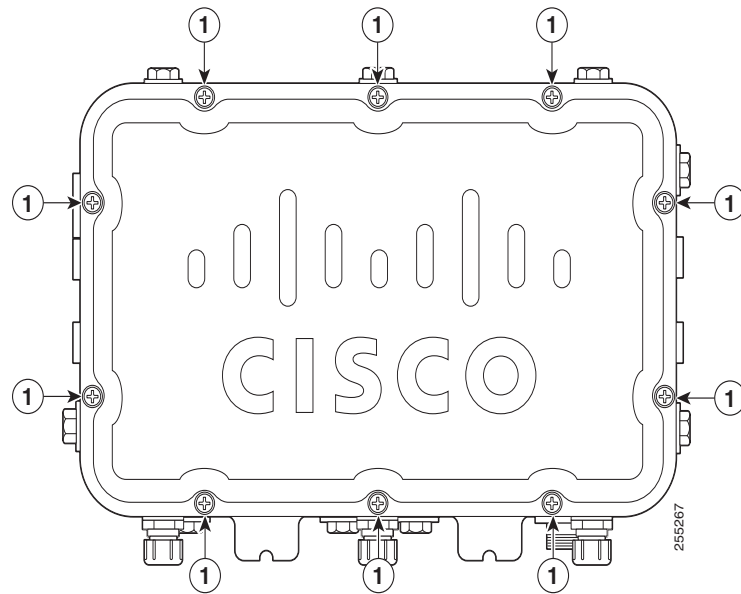The following operations summarize the backup battery installation or replacement procedure:

1. If the access point has been deployed, deactivate all power sources, remove all cables, remove the access point.

2. Follow standard electrostatic discharge (ESD) procedures.

3. Place the access point on an indoor ESD-protected work surface.

4. Open the access point's radio cover.

5. If applicable, remove the defective backup battery.

6. Install the new backup battery.

7. Connect the backup battery cable.

8. Close the access point radio cover.

9. Deploy your access point.

Opening the Access Point Radio Cover

To open the 1552E or 1552EU access point radio cover, follow these steps:

Step 1   Position the access point with the cover attached with hex bolts facing down.

Step 2   Use a #8 Torx screwdriver to unscrew all the Torx screws on the access point cover, but do not attempt to remove the screws (see Figure 4-1).

Figure 4-1   *Access Point Radio Cover Screws*

1	Radio cover Torx screws

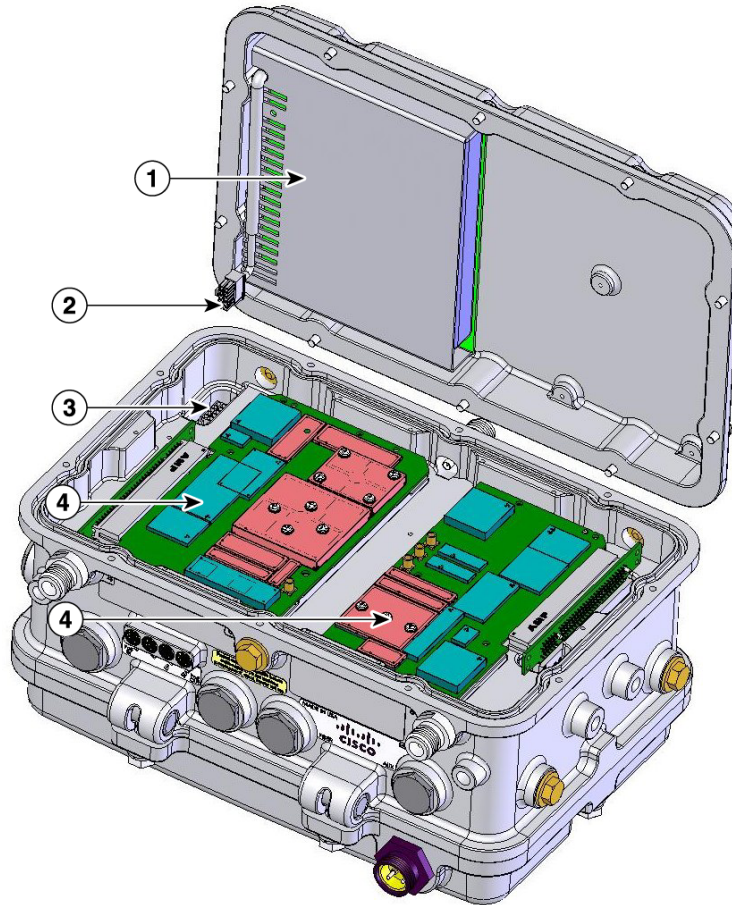**Step 3**   Carefully open the cover.

Removing a Backup Battery

To remove a backup battery, follow these steps:

Step 1 While holding the access point cover open, carefully disconnect the backup battery cable from the internal connector (see Figure 4-2). Be careful not to touch the radio board components.
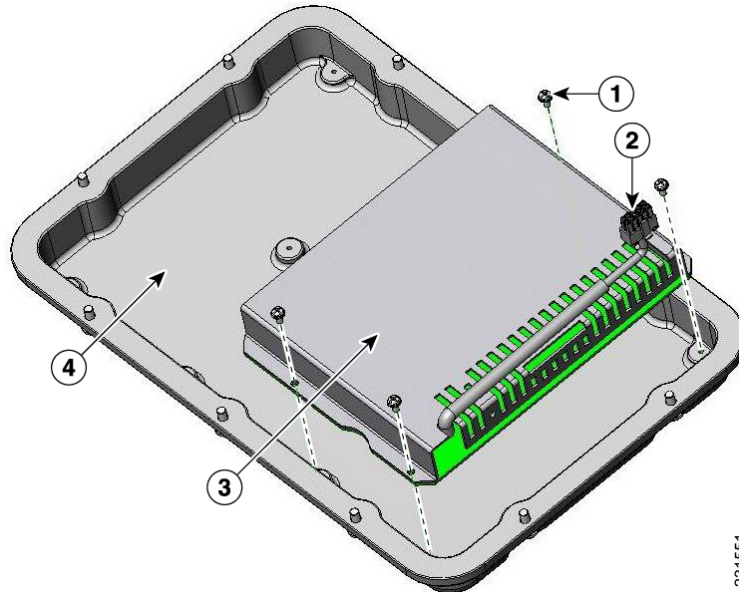
Figure 4-2   Battery Backup Location

1	Backup battery	3	Internal connector for the backup battery cable
2	Backup battery cable	4	Radio boards (Do not touch)

Step 2 Carefully place the cover onto your static-protected table.

Step 3   Use a Phillips screw driver to remove the four screws attaching the backup battery to the cover (see Figure 4-3).

Figure 4-3   Backup Battery Screws

1	Battery backup screws (4 places)	**3**	Backup battery
2	Battery backup cable and connector	**4**	Access point radio cover

Installing a New Backup Battery

Note   The AIR-1520-BATT-6AH= backup battery is used only on access point models AIR-CAP1552E-*x*-K9 and AIR-CAP1552EU-x-K9. Do not use this battery on model AIR-CAP1552H-x-K9, AIR-CAP1552SA-x-K9, or AIR-CAP1552SD-x-K9.

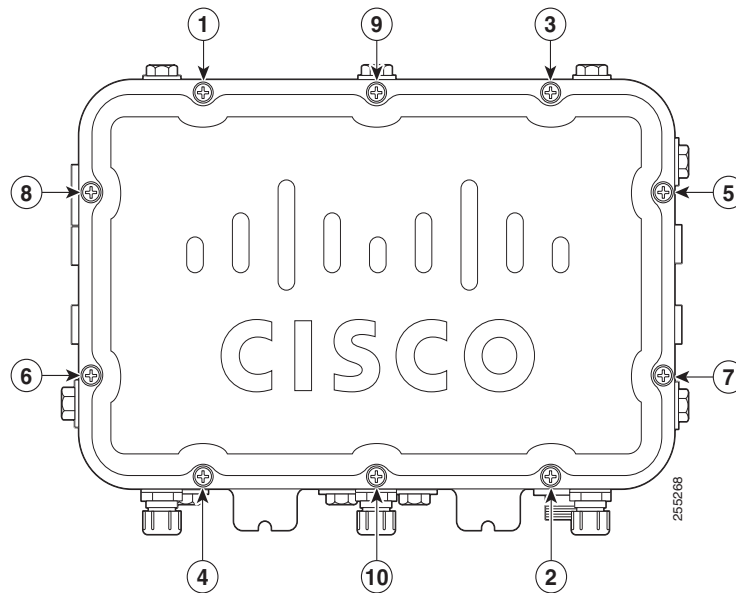To install a new backup battery into your access point, follow these steps:

Step 1   Carefully orient your new backup battery as shown in Figure 4-3 over the access point radio cover.

Step 2   Position the backup battery over the four screw holes in the radio cover.

Step 3   Use the four supplied screws to attach the backup battery to the radio cover and tighten to 5.5 to 6.5 in. lbs (0.62 to 0.73 Nm).

Step 4   Position and bend the backup battery cable as shown in Figure 4-3.

Connecting the Backup Battery Cable and Closing the Radio Cover

To connect the backup battery cable and close the access point radio cover, follow these steps:

Step 1 Carefully position the access point radio cover over the access point as shown in Figure 4-2.

Step 2 Hold the radio cover upright while placing the edge of the radio cover on the top edge of the access point.

Step 3 Carefully push the backup battery cable connector into the internal battery connector (see Figure 4-2).

Step 4 Close the radio cover, while being careful not to pinch the backup battery cable.

Step 5 Use a Phillips screwdriver to partially tighten each cover screw in the tightening sequence, starting with 1, as shown in Figure 4-4. Tighten each screw to 11 to 12 in. lbs (1.24 to 1.36 Nm).

Step 6 Repeat Step 5 using the same tightening sequence to fully tighten each screw to 22 to 24 in. lbs (2.49 to 2.71 Nm).

Figure 4-4   Radio Cover Screw Tightening Sequence

What to Do Next

After you have completed the backup battery procedures, your access point is ready to be deployed. Carefully read and follow the safety and installation guidelines contained in the "Installation Guidelines" section on page 2-8 and the installation and mounting instructions contained in the "Mounting the Access Point" section on page 2-14.