



Replacing a Battery Pack in the 6580/6780 Controller Module

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Revision History

Version and Date	Description of Changes
51357-00, Rev. A, May 2011	Initial release of the document.

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Replacing a Battery Pack in the 6580/6780 Controller Module

Use the following procedure to replace a battery pack in the 6580/6780 controller module. Before you start to replace a battery pack in the controller module, gather antistatic protection and a replacement battery pack.

You can determine whether you have a failed battery pack in two ways:

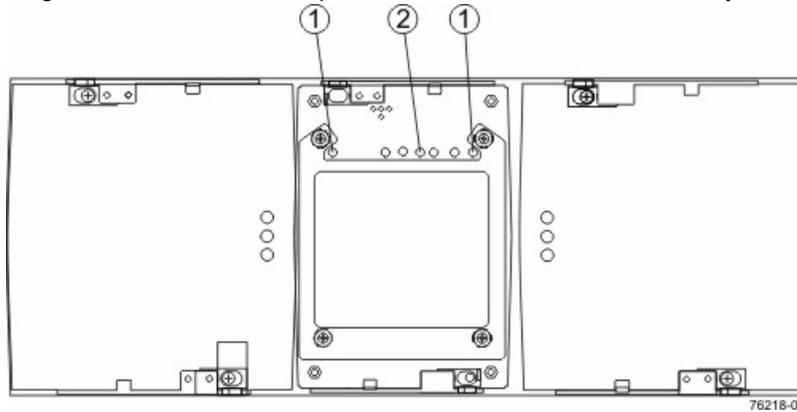
- The Recovery Guru directs you to replace a failed battery pack.
- You locate the failed battery pack by checking the Battery Service Action Required LEDs.

ATTENTION Possible hardware damage – To prevent electrostatic discharge damage to the module, use proper antistatic protection when handling module components.

- 1** If possible, use the storage management software to create, save, and print a new storage array profile.
- 2** Did the Recovery Guru direct you to replace a failed battery pack?
 - **Yes** – Go to [step 3](#).
 - **No** – Run the Recovery Guru to identify the failed component, and go to step 3.
- 3** Put on antistatic protection.
- 4** Unpack the new battery pack.
 - a** Set the new battery pack on a flat, static-free surface near the controller module.
 - b** Save all of the packing materials in case you need to return the battery pack.
- 5** Remove the front cover of the controller module by grasping the sides and pulling the cover toward you.
- 6** Locate the failed battery pack by checking the Battery Service Action Required LEDs on the interconnect-battery CRU.

If a battery fault is detected, the amber Battery Service Action Required LED is on. The left Battery Service Action Required LED is for the battery on the left, and the right Battery Service Action Required LED is for the battery on the right.

Figure 1 Service Action Required LEDs on the Interconnect-Battery CRU

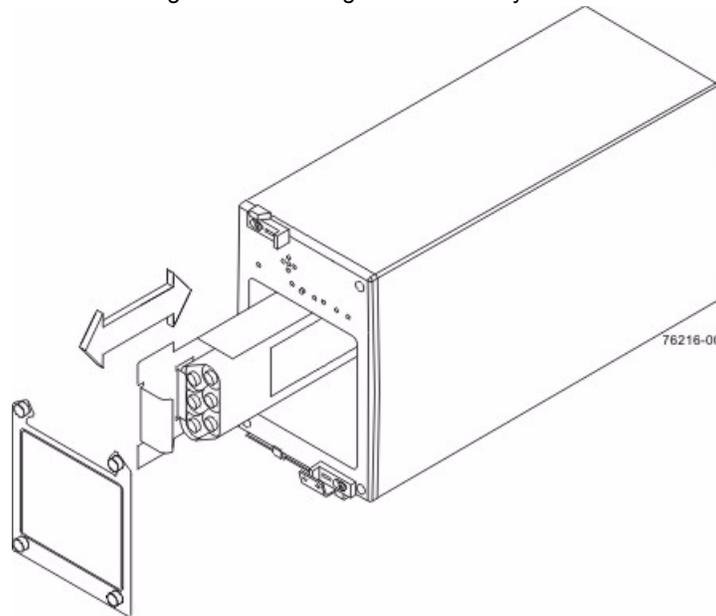


- 1 Battery Service Action Required LEDs
- 2 Interconnect-Battery Service Action Required LED

- 7 Loosen the battery compartment thumbscrews, and remove the battery compartment cover.

After you remove the battery compartment cover, you can see both the left battery pack and the right battery pack.

Figure 2 Removing the Left Battery Pack



- 8 Remove the failed battery pack by grasping the sheet metal handle and sliding the failed battery pack toward you.
- 9 Insert the new battery pack by sliding the new battery pack toward the rear of interconnect-battery CRU. Make sure that the new battery pack is inserted fully into the connector at the rear of the CRU.
- 10 Reinstall the battery compartment cover, and tighten the thumbscrews.
- 11 Look at the LEDs on the interconnect-battery CRU to make sure that the new battery is functioning (see [Figure 1](#)).

The LEDs come on and go off intermittently for approximately 60 seconds (possibly longer). After this time, you are able to discover the controller with the new battery pack through the storage management software.

- 12** Look at the Service Action Required LEDs on the interconnect-battery CRU. Based on the LED status, perform one of these actions:
 - **All of the Service Action Required LEDs are off** – Go to [step 14](#).
 - **One of the Service Action Required LEDs is on** – Check that the battery pack is installed correctly. Reinstall the battery pack if necessary. Go to [step 13](#).
- 13** Did this action correct the problem?
 - **Yes** – Go to [step 14](#).
 - **No** – If the problem is not resolved, contact your Sun Customer Care Center.
- 14** Complete any remaining Recovery Guru procedures, if needed.
- 15** Using the LEDs and the storage management software, check the status of all of the modules in the storage array.
- 16** Does any component have a Needs Attention status?
 - **Yes** – Click the **Recovery Guru** toolbar button in the Array Management Window, and complete the recovery procedure. If the problem is not resolved, contact your Sun Customer Care Center.
 - **No** – Go to [step 17](#).
- 17** Install the front cover by aligning the pins on the controller module chassis with the spring-steel retainers on the cover, and press the cover toward the chassis until the pins snap into place.
- 18** Remove the antistatic protection.
- 19** Create, save, and print a new storage array profile.

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