

HSZ20 Lead Acid Battery Replacement Instructions



WARNING

Lead acid batteries are high-energy devices. Do not allow the battery tabs to contact any conductive surfaces. Injury and/or equipment damage may result.

Tools Required:

- Flat-Head screwdriver
- Phillips-Head screwdriver
- #10 TORX-Head screwdriver
- Electro-Static Discharge (ESD) Wrist Strap

Shutting Down Controller from Subsystem:

1. Shutdown the system to which the HSZ20 subsystem is attached *or* terminate all jobs that are utilizing the subsystem.
2. Connect a maintenance terminal to the controller's maintenance port located on the rear of the subsystem box.
3. Remove the controller from service by issuing the following CLI command:

```
HSZ20> shutdown this_controller
```

When the shutdown completes, the green controller LED will light continually.

Removing Controller from Subsystem:

1. Power off the subsystem and disconnect the power cords.
2. Remove the subsystem door (Figure 1).
3. Remove the left side cover screw using a #10 TORX-Head screwdriver (Figure 2).
4. Grasp the side cover rear hand hold and pull the cover towards the rear until it is free of the unit.

Figure 1 Remove Door

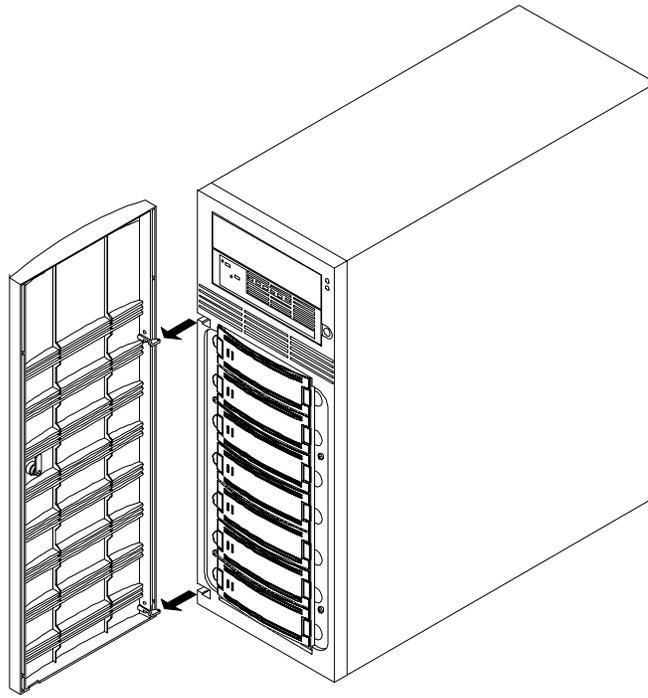
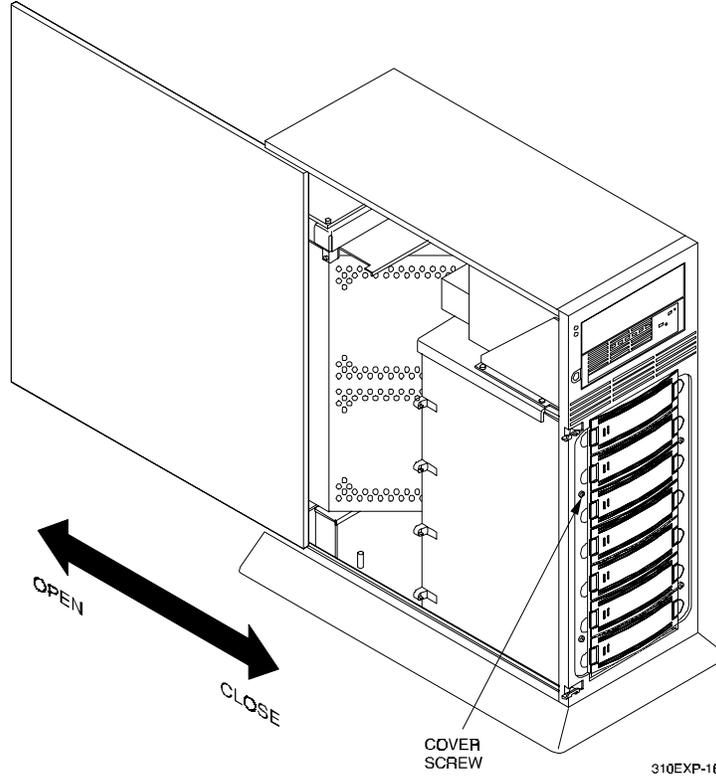
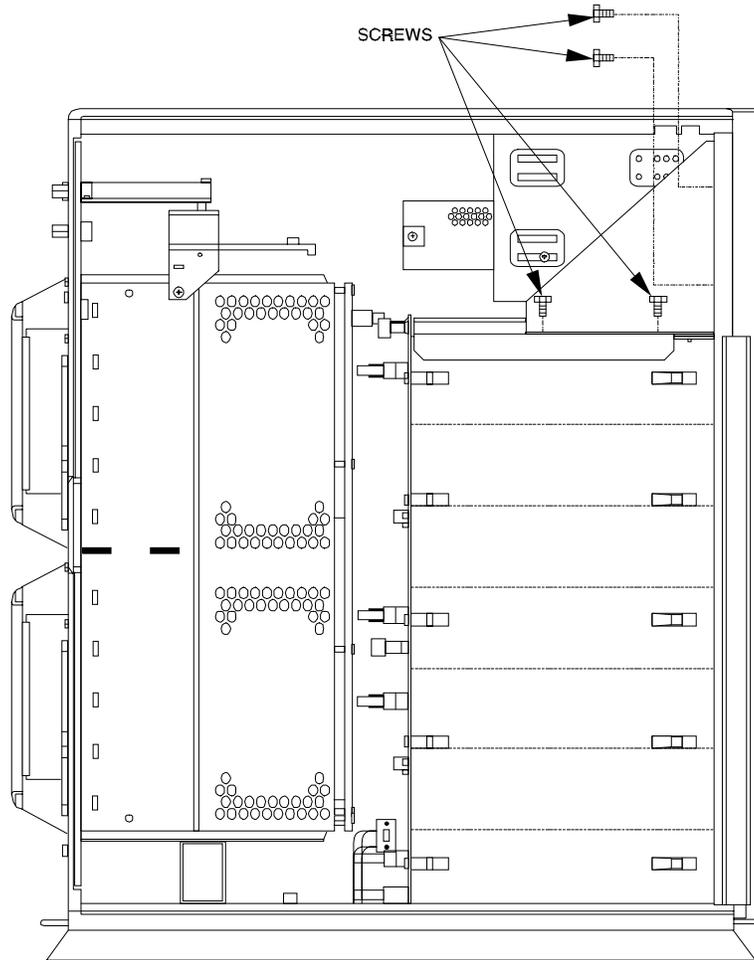


Figure 2 Remove Side Cover



5. Remove the screws (2) that secure the bottom of the angle bracket on the side of the controller housing using a flat-head screwdriver (Figure 3).
6. Remove the screws (2) that secure the angle bracket to the front bezel of the subsystem using a #10 TORX-Head screwdriver (Figure 3) and remove the bracket.

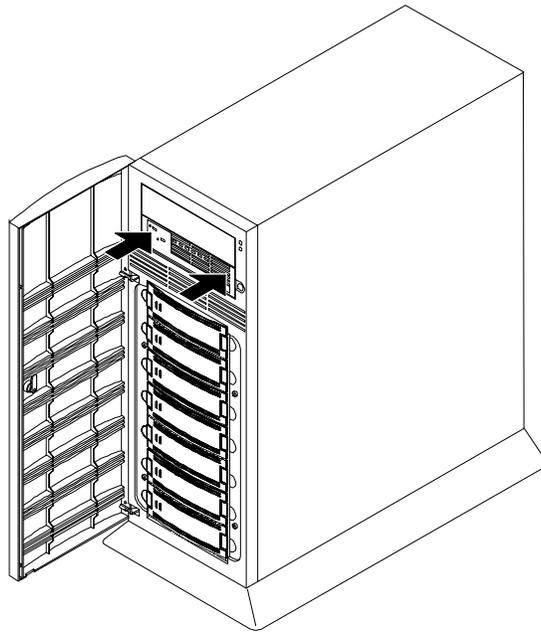
Figure 3 Remove Angle Bracket Screws



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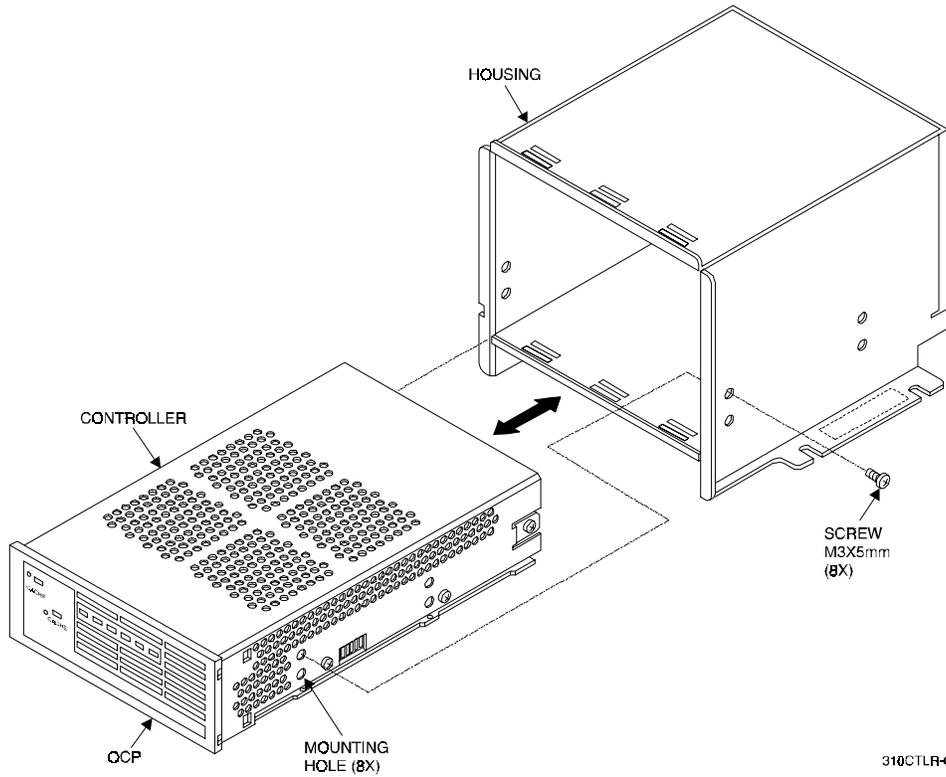
7. Remove all of the cables from the controller. Make a note of their placement for reconnection purposes.
8. Press firmly at the ends of the front panel of the controller using both thumbs and gently push the controller housing until it is free of the front bezel. (See Figure 4). Remove the housing/controller.
9. Remove the four Phillips-head screws that secure the sides of the controller to the housing and remove the controller by sliding it forward (Figure 5).

Figure 4 Remove Controller from Subsystem



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Figure 5 Remove Screws to Release Controller from Housing



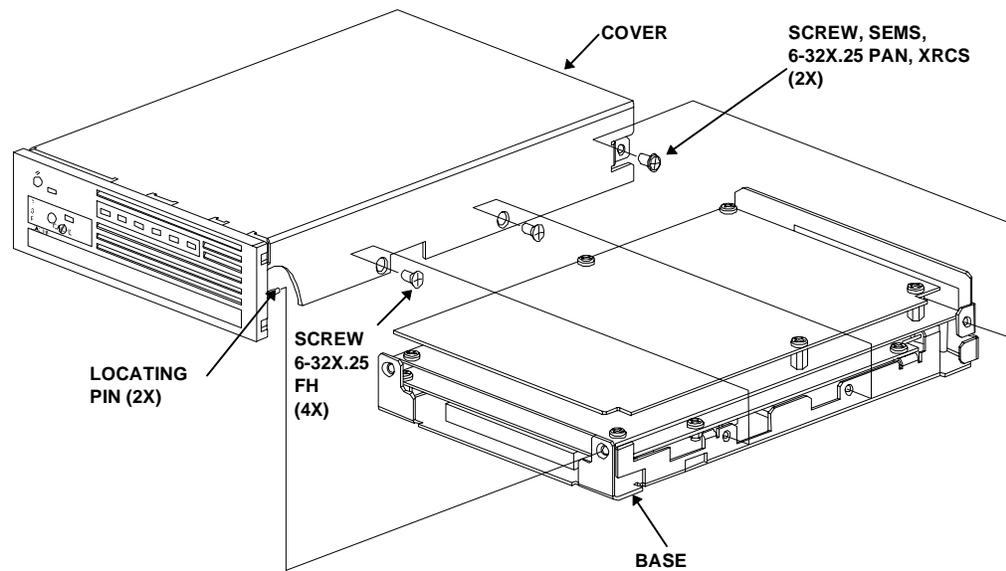
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Removing Controller Cover:

Use the following procedure to remove the HSZ20 controller cover. The controller cover must be removed to remove the cache battery.

1. Remove the two flat-head screws from both sides of the cover, as shown in Figure 6.
2. Remove the pan screws from both sides of the rear of the cover, as shown.
3. Slide the cover forward to disengage the two locating pins and remove the cover from the base, as shown. Perform this procedure carefully so as not to damage the controller LEDs and buttons
4. The removal of the cover is complete.

Figure 6 Removing Controller Cover

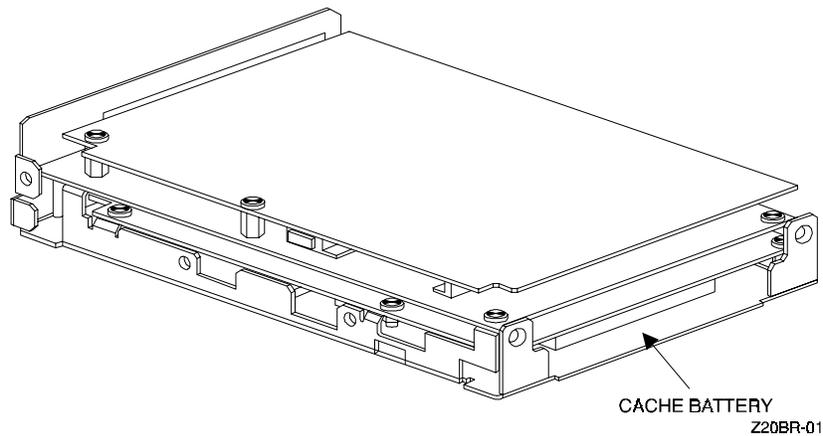


Removing the Cache Battery:

Use the following procedure to remove the cache battery. **Use of the ESD wrist strap is mandatory for this procedure.**

1. Use the controller cover removal procedure and remove the controller's cover to access the cache battery.
2. Disengage the battery-cable latching connector by pushing the front edge of the latch towards the connector body. The wire end of the connector can then be removed from its printed circuit board (PCB) mounted mating connector. (Refer to Figure 7.)
3. Slide the cache battery out of the battery tray.
4. The removal of the cache battery is complete.

Figure 7 Removing the Lead Acid Battery



Disposing of the Battery:

Properly dispose of the battery by:

1. Returning the battery to a Digital Equipment Corporation Service Center, or
2. Recycling it at a local hazardous material disposal location adhering to your country and local government regulations.

Installing the New Lead Acid Battery:

1. Slide the battery into the battery tray.
2. Push the battery connector wire into its receptacle until it “snaps” into position.
3. Replace all cables and covers and return the controller to subsystem by reversing removal instructions.