

HSZ20 Lithium and Lead Acid Battery Removal 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.

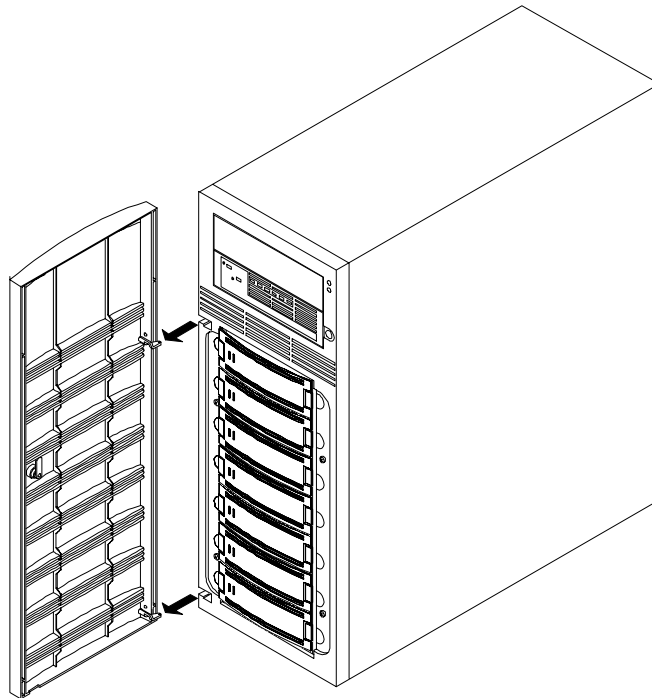
Tools Required:

- Flat-Head screwdriver
- Phillips-Head screwdriver
- #10 TORX-Head screwdriver
- Side cutters

Removing Controller from Subsystem:

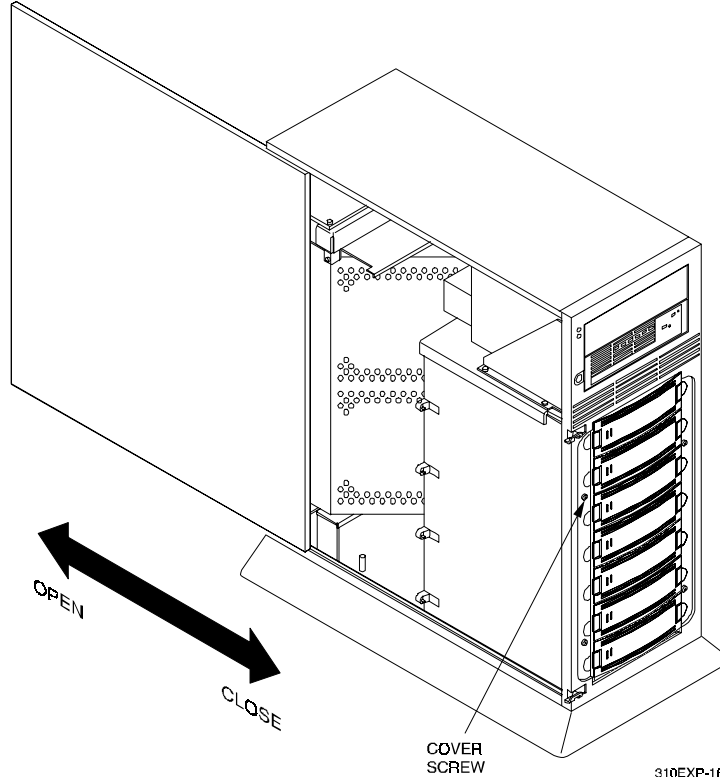
1. Power off the subsystem and disconnect the power cords.
2. Remove the subsystem door (Figure 1).
3. Remove the left side cover screw using a #10 TORX-Head screwdriver (Figure 2).
4. Grab the side cover rear hand hold and pull the cover towards the rear until it is free of the unit.

Figure 1 Remove Door



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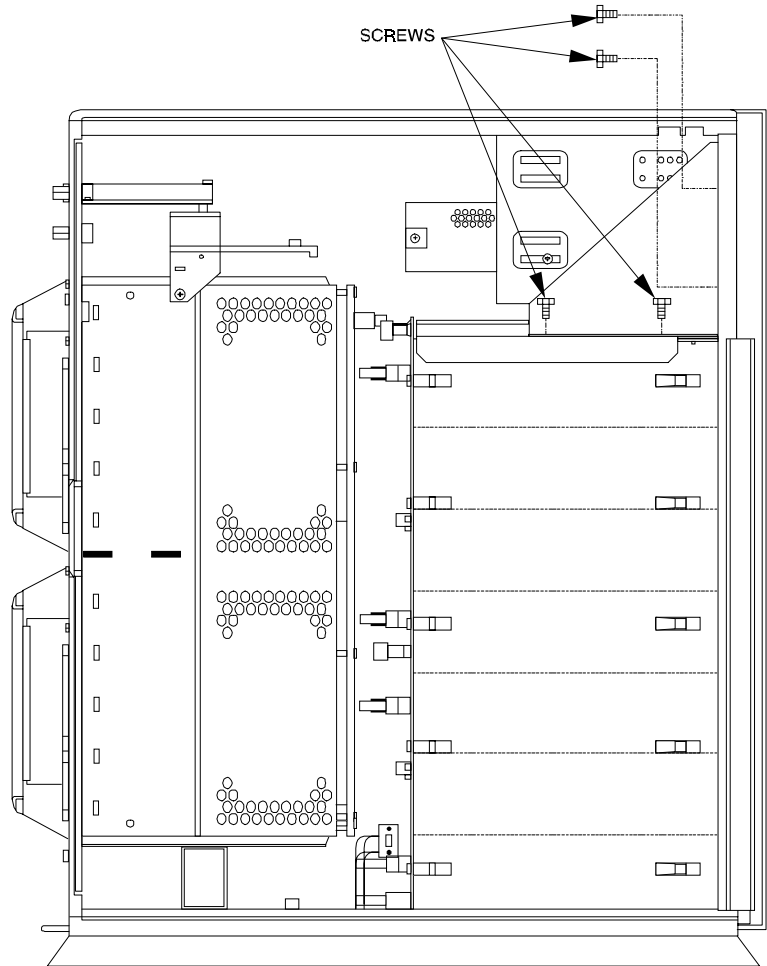
Figure 2 Remove Side Cover



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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.

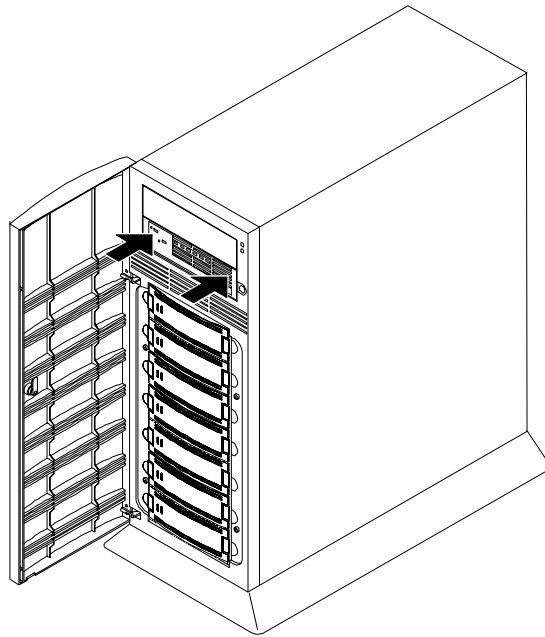
Figure 3 Remove Angle Bracket Screws



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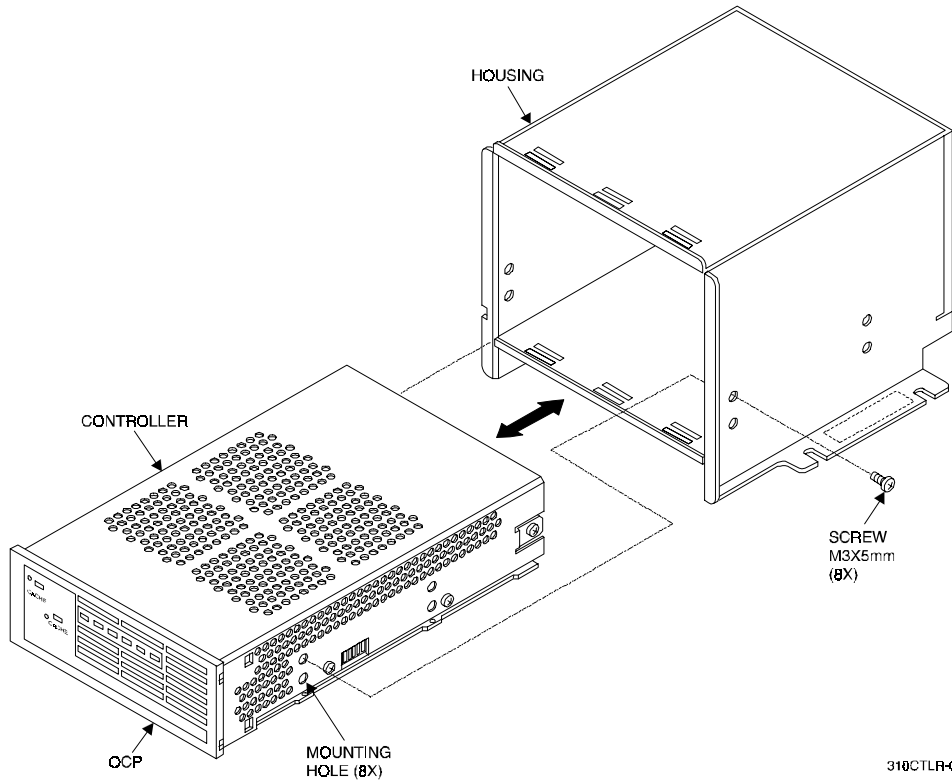
7. Press firmly at the ends of the front panel of the controller using both thumbs and gently push the controller housing until it is free of the front bezel. (See Figure 4). Remove the housing/controller.
8. Remove the four Phillips-head screws that secure the sides of the controller to the housing 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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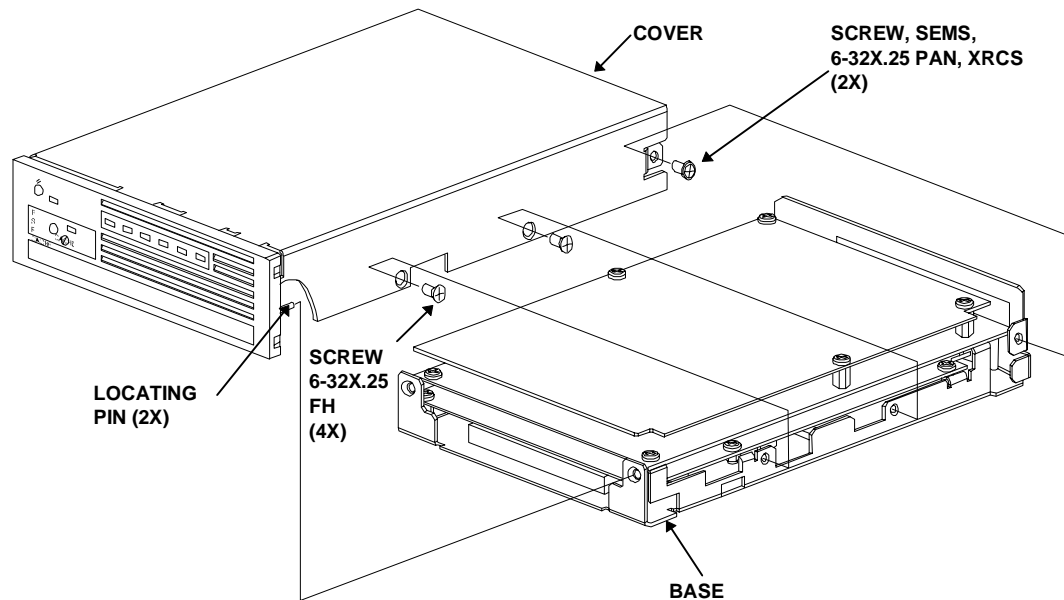
Either return the HSZ20 to the Digital Equipment Corporation for proper disposal **or** remove both batteries as follows.

Removing Controller Cover:

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

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.
4. The removal of the cover is complete.

Figure 6 Removing Controller Cover



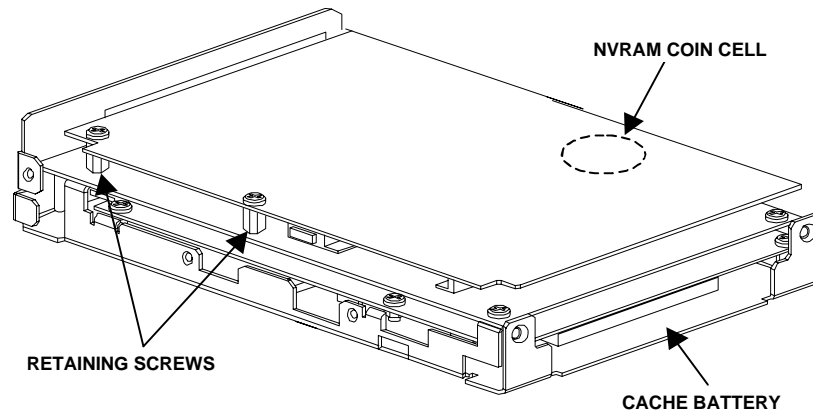
Removing Batteries:

Cache Battery (Lead Acid)

Use the following procedure to remove the cache battery.

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 Batteries



NVRAM Coin Cell Battery (Lithium)

Use the following procedure to remove the NVRAM coin cell battery.

1. Using the controller cover removal procedure above, remove the controller cover to access the top PCB containing the NVRAM coin cell battery.
2. Separate the top PCB from the controller by removing the two plastic retaining screws on one side of the PCB and unplugging the four connectors along the other side. (Refer to Figure 7.)
3. Invert the top PCB to expose the NVRAM coin cell battery on the component side of the PCB.
4. Use the side cutters to cut the two leads on the positive side of the coin cell battery.
5. Lift the end of the battery that was just cut away from the PCB and cut the negative lead on the bottom of the cell, or grasp the cell with your fingers and twist it until the lead connected to the bottom of the cell breaks.
6. Remove the battery from the PCB.

Disposing of Batteries:

Properly dispose of the batteries by:

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