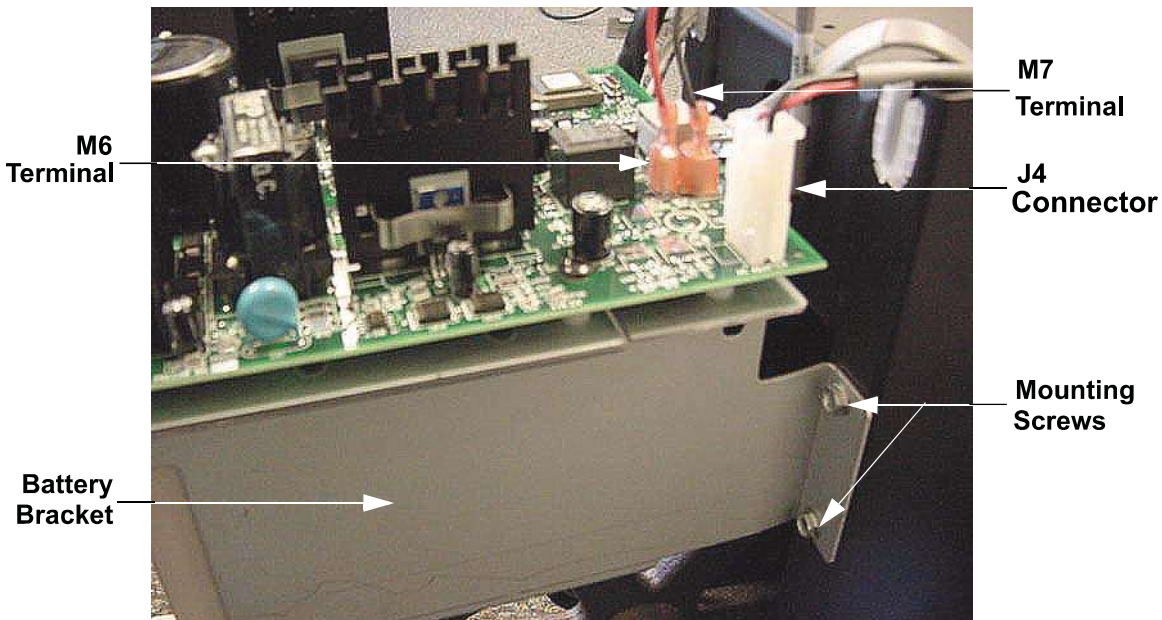


Procedure 7.19 - Replacing a Battery

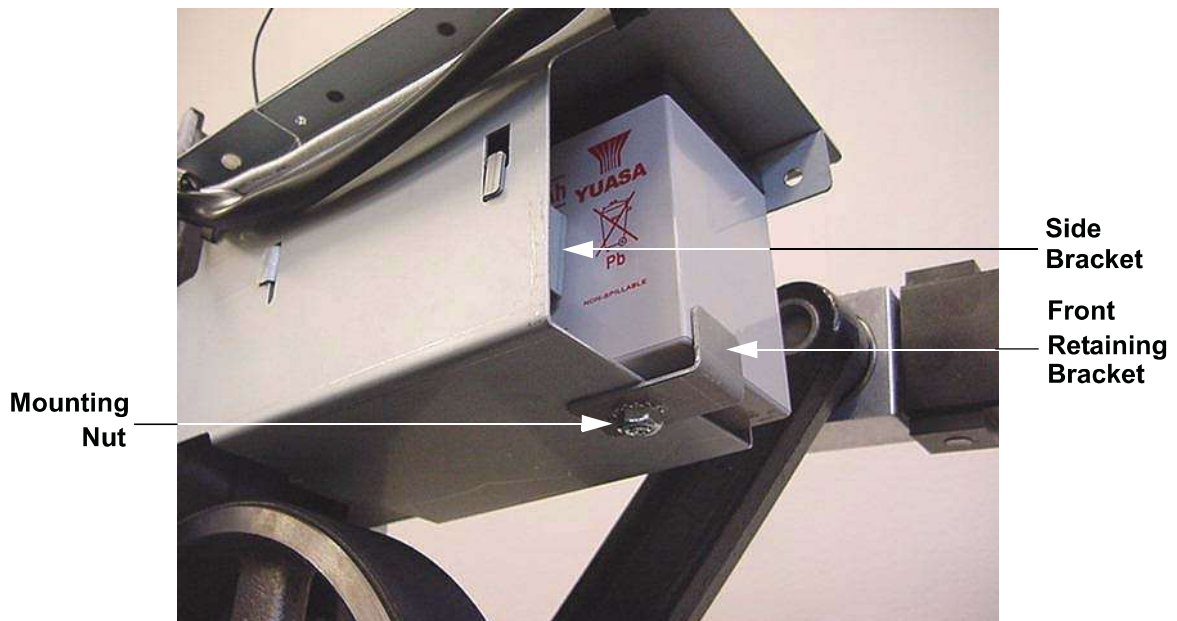
1. Remove the entire rear cover, including the front section of the cover.
2. Disconnect the red battery lead from terminal M6 of the lower PCA and the black battery lead from M7 of the lower PCA of the lower PCA. Refer to Diagram 7.16.

Diagram 7.16 - Lower PCA, Battery Assembly



3. Disconnect the J1 (generator cable), J2 (data cable), J3 (lift cable), J4 (power adapter), M1 and M2 load cables from the lower PCA.
4. Use an antistatic wrist connect to a grounding point when performing steps 5, 6, 11 and 12.
5. Remove the four screws fastening the lower PCA to the battery bracket and remove the lower PCA and place it on a static safe surface.
6. Carefully remove the red and black wires from the battery. Ensure that the battery terminals have not been bent upward and then place a piece of electrical tape over both battery terminals. The battery is going to be slid out of the battery bracket and the battery terminals can not be allowed to touch the upper metallic surface of the battery bracket.

Diagram 7.17 - Battery Bracket, Front Retaining Bracket



7. Remove the nut fastens the front battery retaining bracket. Refer to Diagram 7.17. Carefully, slide the battery out of the battery bracket.
8. Remove the red and black wires from the replacement battery. Place a piece of electrical tape over each of the battery terminals. Ensure that the side bracket is correctly in place in the slots in the battery bracket and carefully slide the battery into the bracket.
9. Replace the front retaining bracket and fasten it with its mounting nut.
10. Remove the electrical tape from the battery terminals and reconnect the battery wires as follows: the red wire to the positive (+) battery terminal and the black wire to the negative (-) terminal. **Note:** There is a red dot next to the positive terminal of the battery.
11. Set the lower PCA in its mounting position and fasten it with the screws removed in step 5.
12. Reconnect the lower PCA wiring as follows: power adapter cable to J4, generator cable to J1, data cable to J2, lift cable to J3, load wires to terminals M1 and M2 (either wire may be connected to either the M1 or M2 terminal).
13. Replace the rear cover. Check the operation of the EFX as described in Section Four.