1. Attach MaleDisCon to EndCapMale
2. Attach EndCapMale to BasePlate
3. Attach Relay to EndSupportRelay
4. Attach RelayToMaleDisCon to Relay
5. Attach RelayToMaleDisCon to MaleDisCon
6. Attach EndSupportRelay to BasePlate
7. Attach RelaySideJumper to Cell 1
8. Attach RelaySideJumper to Relay
9. Attach FemDisCon to EndCapFem
10. Attach EndCapFem to BasePlate
11. Assemble RelayFeMaleDisCon
12. Assemble FuseToRelay
13. Attach RelayToFemDisCon to FemDisCon
14. Attach Relay to RelayToFemDisCon
15. Attach FuseToRelay to Relay
16. Attach FuseHolder to EndSupportFuse
17. Attach FuseToRelay to DisFuseHolder
18. Attach Relay to BasePlate
19. Attach EndSupportFuse to BasePlate
20. Attach DisFuseJumper to Cell 3
21. Attach DisFuseJumper to DisFuseHolder
22. Attach Cell 2 to AluminumJumper
23. Attach Cell 3 to AluminumJumper
24. Attach Cell 2 to UStrap
25. Attach Cell 1 to UStrap

Maintenance:

**ALL DISCHARGING AND CHARGING DEVICES SHOULD BE SHUT OFF BEFORE ADJUSTMENTS ARE MADE**

In order to assure that the pack works as desired, a couple things must be kept in consideration. First, each of the high current connections needs to be greased every 5 charge/discharge cycles. Contact surfaces should be coated with the grease, but not saturated. This grease will increase the conductivity of connections and needs to be reapplied regularly.

If there is no current through the tractive path, the first thing to check is each of the straps between the cells. Ensure that the cells are flush against the bottom of the pack which should in turn mean that each cell is flush against the terminal of its respective cell. Each screw that connects the straps to the cells should be double checked to ensure that they are sufficiently tightened. A multimeter should be used to ensure that there are connections between each cell and its respective strap. If all of these connections are confirmed to be made successfully, then the next straps to check would be the DisFuseJumper. Make sure that the set screw in the discharging fuse is sufficiently tightened. Next ensure that the RelaySideJumper is connected sufficiently to both the cell and the relay. There are three connection points and all need to be
sufficiently tightened. Again, using a multimeter is highly recommended. This process should be continued for the rest of the straps in the tractive loop. Finally, checking the powerlock connectors to make sure that they are locked in place is essential. If all of these connections can conduct, then the problem is not within the pack.

If there is smoke or something seems extraordinarily hot, first turn off the system before proceeding. Once the system is confirmed to be turned off it is safe to operate on the pack, once things cool. At this point, make sure that the area in question is connected properly and greased sufficiently. If the part is damaged and can no longer conduct or operate properly, it must be replaced.