



MCD-4800 Football

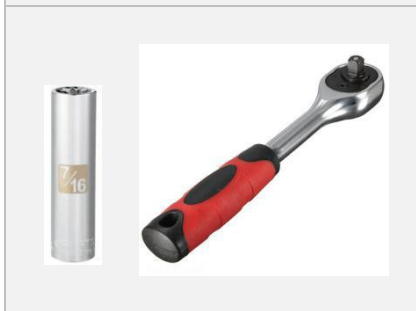
Battery Replacement Instructions



MCD-4800 Battery Replacement
Ground Control
Gen II - 2017

Warning:

- Avoid touching battery harness molex connector contacts during procedure.
- Do not touch circuit board components unless wearing a properly grounded ESD wrist strap.

Parts/Tools Needed:**Gen 2 – MCD-4800 Battery Packs****9/64" Hex Wrench****7/16" Socket w/Ratchet Wrench**

Procedure:

1. Unplug charger from MCD-4800



2. Open MCD-4800 lid and verify that power button is off/unlit



3. Remove eight screws that secure black top cover using a 9/64" hex wrench & set aside



4. Unscrew RP-SMA antenna counterclockwise and set aside



5. Carefully lift black top cover, using raised placard on right hand side - lean upright against case lid



6. Warning: Do not touch battery connector contacts or exposed circuitry!
 - a. Unplug battery connector
 - b. Unstrap top and bottom Velcro retention straps



7. Remove used battery pack and set aside



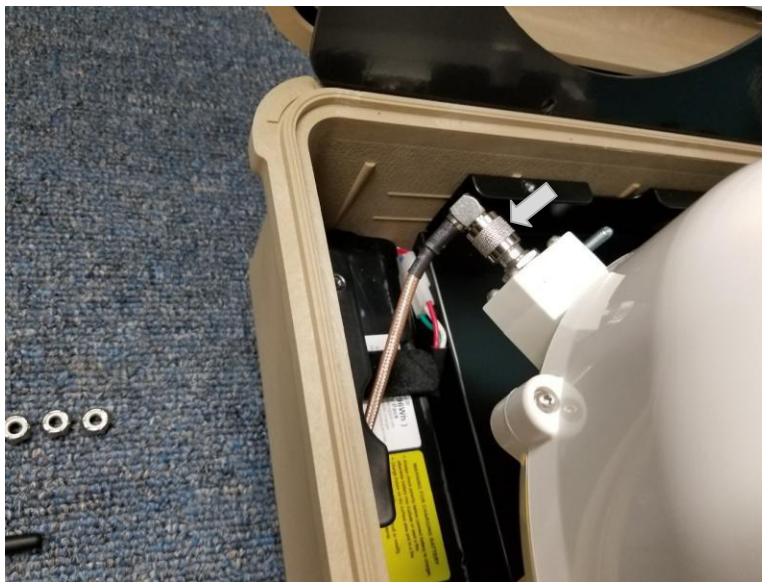
8. Remove three dome retention nuts (shown above) using 7/16" socket and ratchet wrench



9. Lift dome upward from frame threaded studs until unseated



10. Unscrew coaxial connector counterclockwise from dome



11. Warning: Do not touch battery connector contacts or exposed circuitry!
- a. Unplug battery connector
 - b. Unstrap top and bottom Velcro retention straps



12. Lift right edge of battery pack first and pivot around frame brackets



13. Lift the battery pack from the frame and set aside



14. Follow steps 3-13 in reverse to re-assemble your MCD-4800, using replacement battery packs.
 - a. Ground Control asks that you please dispose of your used battery packs at an appropriate battery disposal facility.
 - b. Remember to label your replacement batteries with installation date and order new battery packs every two years under normal usage.
15. Connect Gen II MCD-4800 charger to port on face plate



16. Charge until termination is achieved (at least one of the following)
 - a. Cooling fan has turned off
 - b. "<http://192.168.128.200/regs.htm>" page shows "Batt Voltage" to be approximately 22.5 V with charger unplugged and unit powered on
17. Push down power button until latched
 - a. Blue LED in button should light
 - b. LCD screen on face plate should turn on and display scrolling text
18. Navigate to "<http://192.168.128.200/protect/test.htm>" in browser
 - a. User Name: admin
 - b. Password: gcmount
19. Click "New Full Battery" button and verify that LCD screen displays battery percentage is set to 100%.
20. Well done. You have successfully replaced the batteries and calibrated the battery level monitor in your MCD-4800. Thank you for choosing Ground Control Systems to provide this innovative satellite solution for your portable equipment and service needs.

For additional technical support call (800) 931-5559