

TSS Bulletin

Date 04-01-2717, Issue 14

Purpose: To show how to replace a Delta Q battery charger with a Dual Pro battery charger on an NSS Model 2717.

***Before you begin:** Turn the machine off.



Tools needed:
A. Phillips screwdriver.



B. 7/16 in socket wrench and wrench.



C. 1/2 in socket wrench and wrench.

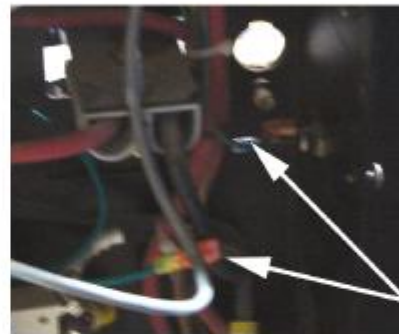


D. Wire crimper.

1. Open cover



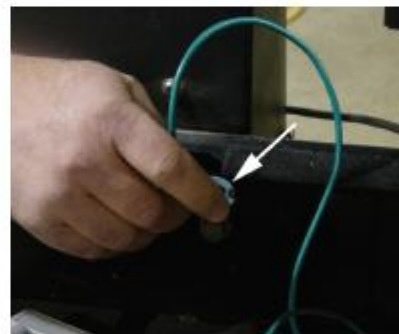
4. Remove the handle panel.



5. Locate the green wire going to the fuse holder and pull the wire connector to remove it.



2. Disconnect the batteries by pulling the gray charger plug apart.



6. Feed the green wire thru hole on the back of the handle panel.



3. Using a Phillips screwdriver, loosen the 5 screws on the handle panel. 1 screw is on the back of panel and 2 screws are on each side of the panel.



7. Using a 1/2 in socket wrench, remove the nut holding the negative battery cable.

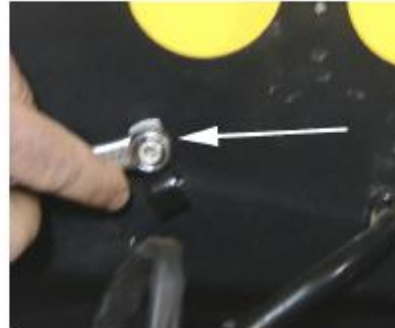
TSS Bulletin

Date 04-01-2717, Issue 14

***Before you begin:** Turn the machine off.



8. Remove the black and white battery charger wire from the negative battery post.



12. Using a 7/16 wrench, remove the nutted bolt (on the underside of the cover) which holds the old battery charger. Set the bolt aside to use on the new battery charger.



9. Using a 1/2 in socket wrench, remove the nut holding the positive battery cable.



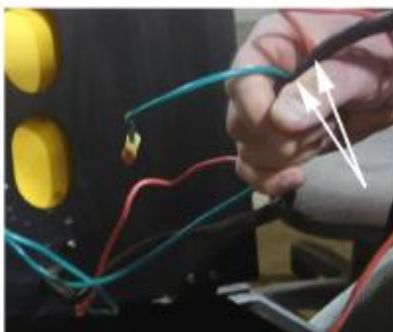
13. Using a 7/16 wrench, remove the 3 bolts (from the top of the cover) holding the old battery charger. Set the bolts aside to use on the new battery charger.



10. Remove the red battery charger wire from the positive battery post.



14. Remove the battery charger from the cover.



11. All the battery charger wires are now disconnected from the machine.

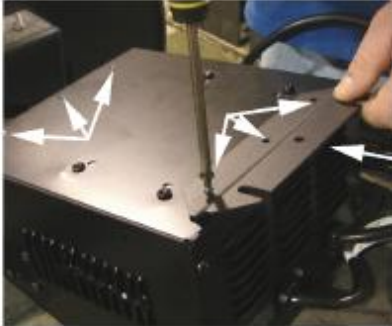


15. Pull the battery charger wires thru the cover.

TSS Bulletin

Date 04-01-2717, Issue 14

***Before you begin:** Turn the machine off.



16. Using a Phillips screwdriver, install the 2 brackets (included with the new battery charger) onto the battery charger.



20. Using a 7/16 in socket wrench, attach black wire from the battery charger to the negative battery cable and tighten cable.



17. Feed the battery charger wires (white and black wires) thru the hole on the cover.



21. Remove the small green wire from the fuse holder.



18. Position battery charger on the cover.



22. Remove the other end of the small green wire from the switch.



19. Using a 7/16 in socket wrench, attach the white wire from the battery charger to the positive battery cable and tighten cable.

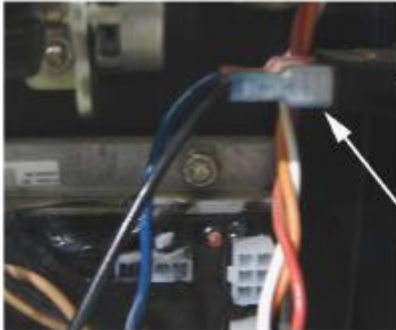


23. Using a crimping tool, make a jumper wire with a piece of wire 2.5 ft long and attach these 2 connectors to the ends.

TSS Bulletin

Date 04-01-2717, Issue 14

***Before you begin:** Turn the machine off.



24. Attach the wire connector end of jumper wire to the switch.



28. Reconnect the batteries.

29. Turn the machine on and plug battery charger in to make sure it is working.



25. Loosen the nut holding the red wire to the "hot" side of the solenoid with a 1/2 in wrench.



26. Attach the ring end of jumper wire to the "hot side" of solenoid and tighten nut.



27. Replace the panel.