

OBC OR CHARGER

Ok you had a hard day on the course today, you come back plug your charger into the cart and nothing happens, no meter movement or humming, so now what do you do. There are several things that can be checked with no tools or very minimal amount of tools.

Step 1.

Plug the charger into the cart after a few seconds there should be a click followed by the ammeter needle showing charge current and an audible hum. If there is no current movement of the needle or audible hum get in the cart with the charger DC cord plugged in; put it in forward and press the pedal very slightly forward until you here the switch for the pedal assembly click. If the cart starts to move then it's looking like OBC problem if it did not move go to step two.

Step 2.

If the cart did not move then you need to open the seat area remove any cover's that covers the charge receptacle area. On the back of the charge receptacle find the grey or center wire, follow this grey wire to the OBC, this wire should unplug from the OBC. Once you have unplugged the grey wire touch it to the -48 volts at the battery pack. The charger should kick in at this point, if not there is a charger problem and go to step three.

UNPLUG BOTH CHARGER CORDS FOR STEP THREE!

Step 3.

For this next step you will need a screw driver to remove the chargers cover. Inside there is a relay (usually black rectangular plastic piece with 4 wires) remove the two lower wires, clip them together with a jumper wire, paperclip, or something conductive and do not let it touch anything else!

Unplug the DC cord from the cart, plug the charger into the 120 volt wall outlet the charger should turn on and start to hum. If the charger does hum check the circuit breaker on the charger, you have now checked the AC input to the transformer and circuit breaker. At this point you can use you volt meter to check for dc voltage at the plug (up to 63 vdc). If the charger does hum, then unplug it from the wall, plug the DC charge cord into the cart, then plug it back into the 120 volt wall outlet. If at this point the charger hums and the ammeter shows charging then it looks like the relay may be bad or wires to the relay (grey wire, Or grey wire fuse?).

There are a number of other tests and problems but this should cover 50% of the charger problems.