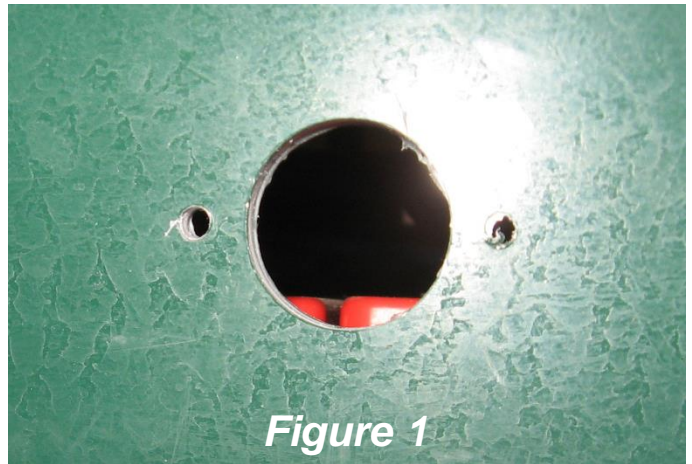


1415E DC-DC Converter and USB Charger Installation Instructions

Materials Required: DC-DC Converter Kit, 15/16" hole saw, #27 drill bit, Cordless Drill, 5/16" Wrench, Slotted Screwdriver, Leveling Tool

- 1) Locate the panel to which the golf cart's battery charger receptacle is mounted. Approximate the middle of this panel and drill a hole using a #27 drill bit.
- 2) Center the 15/16" hole saw on the hole from Step 1 and cut a larger hole into the panel.
- 3) Insert the USB receptacle into the hole. Level the receptacle with a leveling tool then mark the positions of the left/right mounting holes. Remove the USB receptacle from the hole.
- 4) Using a #27 drill bit, drill the holes for the mounting screws (the result can be seen in *Figure 1*).
- 5) Mount the USB receptacle on the front of the panel using the two 6-32 x 5/8" pan-head screws provided (shown in *Figure 2*). On the reverse side of the panel, secure the USB receptacle by attaching the #6 x 3/8" Flat Washer and the 6-32 Nut. Hand tighten with a 5/16" wrench.



1415E DC-DC Converter and USB Charger Installation Instructions

- 5) Trace the battery+ and battery- connections of the charger receptacle to their respective terminals on the batteries. Attach the red ring terminal of the harness to the B+ terminal (of the battery) and the black ring terminal to the B- terminal (of the battery).
- 6) Insert the three holed connector of the DC-DC converter into the connector of the harness (shown in *Figure 3*).
- 7) Insert the two holed connector of the DC-DC converter into the connector of the USB receptacle (shown in *Figure 4*).
- 8) Peel the liner from the adhesive tape on the DC-DC converter and mount the converter to the reverse side of the charger receptacle panel (to which you drilled in Step 1).

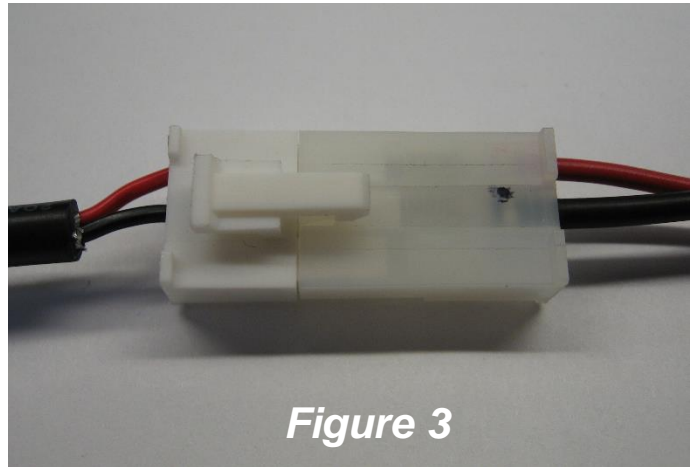


Figure 3

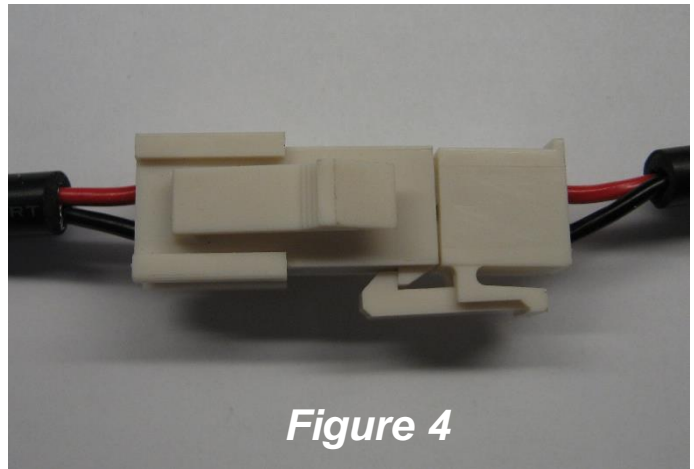


Figure 4