

Situation 2

Power chair turns on, but will not drive.

“The power chair turns on but will not drive” means when you press the power button on the joystick, the LEDs light up and the drive mode is designated by a dash. When the joystick is depressed in any direction nothing happens. This is the only other system fault that will not be interpreted by the power chair electronics.

The power chair is set up with a “Low Enable, No Drive Away” feature that will keep it from running while plugged into a wall outlet. Because of this feature, a power chair will only operate while the center charger line is connected to the most negative battery terminal.

To identify where the error is, find the “open” in the charger inhibit line. This is the line that comes off the center pin of the 3-pin charger harness.

Set the meter to a resistance scale. The charger harness is the 3-pin harness that the charger plugs into. The other end of the harness connects to a 3-pin connector under the tray of the power chair. Take a resistance reading from the middle pin of one side of the charger harness to the middle pin of the other end of the charger harness. See figure 2.67. The reading should indicate less than one ohm.

The meter reads _____ ohms.



Figure 2.67. Charger Harness



If the reading is outside tolerance, replace the charger harness. If the reading is within tolerance, proceed to the next step.

Test the fuse for continuity. See figure 2.68. The fuse should read less than ohm of resistance.

The meter reads _____ ohms.



Figure 2.68. Charger Fuse Test



If the fuse is bad, replace it. If the fuse is good, you may have a problem with the inhibit circuit of the charger or controller.



Unplug the larger white 3-pin connector of the charger from the charger harness. From the black 3-pin connector of the charger harness, jumper between the center pin and the outside negative pin. If the chair runs, replace the charger.