

Situation 8 Right Brake Fault: SIX flashes of status LED



Figure 2.76. M2 Harness

Six flashes indicates that the system has detected a fault in the right motor brake. The power chair system is set up with two individual brake assemblies. One on each motor. When the joystick is pushed in any direction, the controller sends total battery voltage to each brake coil.

To determine if the right brake assembly is operating properly, unplug the M2 harness from the power module. See Appendix H.

Turn the meter to a resistance scale and take a reading from brake positive to brake negative (two small center pins) of the M2 harness. See figure 2.76. A reading of approximately 60 ohms should appear.

The meter reads _____ ohms.



If the reading appears to be within tolerance, replace the power module. If the reading is outside tolerance, move to the motor connector.

Take a reading at the 4-pin motor connector. Unplug it from the M2 harness and take a reading from the thin gauge black wires that run to the brake coil. See figure 2.77.



Some chairs have white connectors attached to these wires.

If the brake coils are intact, you should read approximately 60 ohms across the brake coil.

The meter reads _____ ohms.



Figure 2.77. 4-pin Motor Connector



If the reading is outside tolerance, replace the motor brake assembly. If the reading is within tolerance, replace the M2 harness.

Notes: