

Situation 5 Left Motor Wiring Fault

THREE flashing red LEDs

Three flashing LEDs indicate that there is a wiring fault in the left motor. This is most likely caused by a short between the motor and the brake.

Take a resistance reading from the motor positive (heavy gauge red wire) to each of the brake wires (thin gauge black wires) of the M1 harness. See figure 2.45.

The reading should indicate an “open” between each of these connections.

Take a reading from the motor negative (heavy gauge black wire) to each of the brake wires (thin gauge black wires).

The reading should indicate an “open” between each of these connections.

The meter reads _____ ohms.



Figure 2.45. M1 Harness



If you get an “open” for all of these readings, replace the power module. If you get a short on any of these readings, proceed to the next step.

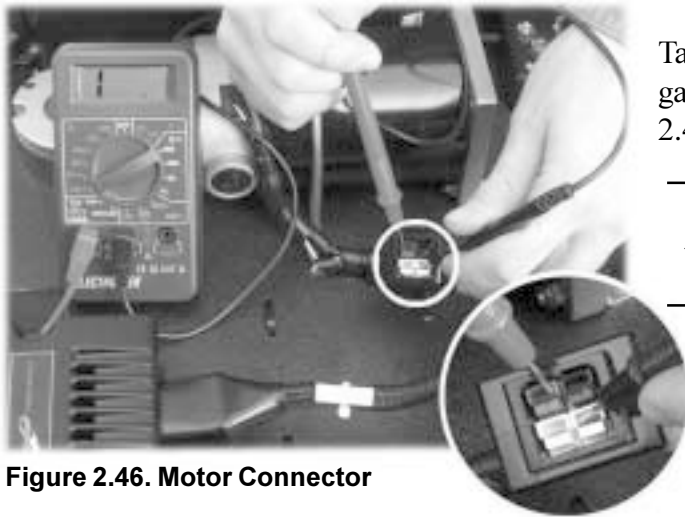


Figure 2.46. Motor Connector

Unplug the 4-pin connector coming from the left motor.

Take a resistance reading from the heavy gauge red wire to each thin gauge brake wire, on the motor side of the 4-pin harness. See figure 2.46.



Some models have colored connectors attached to these wires. Red and Black represent the motor coil, and the two white represent the brake coil.

Then, take a resistance reading from the heavy gauge black wire to each thin gauge brake wire on the motor side of the 4-pin harness.

The meter reads _____ ohms.



If you get an “open” reading for all of the readings, replace the M1 harness. If you get a short on any readings, replace the left motor assembly.

Notes: