

Situation 6 Right Motor Disconnected

FOUR flashing LEDs (3 red, 1 yellow)

This fault indicates that there is a bad connection in the right motor. Make sure that the M2 harness connection to the power module is good. Unplug this harness and then plug it back in and see if a fault is still occurring. Also, check the connection from the M2 harness to the 4-pin motor harness. See Appendix I.

Take a resistance reading across the motor positive and motor negative (two larger pins) on the M2 harness. See figure 2.47. If the unit is operating properly, you should read approximately .5 to 1.5 ohms.

The meter reads _____ ohms.



Figure 2.47. M2 Harness



If the reading is within tolerance, replace the power module. If not, proceed to the 4-pin motor connector.

Take a resistance reading from the heavy gauge red and black wires that run to the motor coil. See figure 2.48.



Some chairs have red and black connectors attached to these wires.

The reading should read approximately .5 to 1.5 ohms.



Figure 2.48. Motor Connector

The meter reads _____ ohms.



If the reading appears outside tolerance, check the brushes. If the brushes appear good (a good brush should be at least 1/2" in length, with no sign of chips or damage and no sign of overheating), replace the motor. If the reading is within tolerance, replace the M1 harness.



Overheating on a brush can be identified by discoloration of the braided copper wire.

Notes: