

## Situation 6 Right Motor Fault: FOUR flashes of status LED

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. See Appendix H. Unplug this harness and then plug it back in and see if a fault is still occurring. If it is, unplug this harness and turn the meter to a resistance scale.

Take a resistance reading across the motor positive and motor negative (two larger pins) on the M2 harness. See figure 2.72. If the unit is operating properly, you should read approximately .5 to 1.5 ohms.

The meter reads \_\_\_\_\_ ohms.



Figure 2.72. M2 Harness



**If the reading appears within tolerance, replace the power module. If not, move to the 4-pin harness that connects to the right motor.**

Take a resistance reading from the heavy gauge red and black wires that run to the motor coil. See figure 2.73.



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

The reading across the motor coil should read approximately .5 to 1.5 ohms.

The meter reads \_\_\_\_\_ ohms.



Figure 2.73. Motor Connector



**If the reading appears outside tolerance, check the brushes. If the brushes appear to be 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 in the brushes can be identified by discoloration of the braided copper wire.**

### Notes: