

7. Remove the brushes from the right motor (9) and inspect them. **See figure 33.**
 - *If the brushes are worn below 0.25 in. or they are physically damaged, then replace the brushes and retest the system. See figure 34.*
 - *If the brushes are not worn below 0.25 in. or they are not damaged, then replace the right motor (9) and retest the system.*

Flash Code #5 - Right Motor Wiring Fault

Symptoms:

There are five battery condition meter LEDs flashing.

Diagnosis:

There is a wiring fault between the right motor (9) and brake.

Solution:

Use the following procedure to find the source of the fault:

1. Unplug connector 1c from connector 2a. **See diagram 2.**
2. Measure resistance across pin 2 and pin 9 and across pin 2 and pin 7 on connector 2a. **See figure 35.**
 - *If your multimeter indicates an open on either test, then replace the VSI controller (1) and retest the system.*
 - *If your multimeter indicates less than 1m ohm on both tests, then go to the next step.*
3. Remove the seat and the foot platform. Refer to the power base owner's manual.
4. Remove the shroud. **See figure 10.**
5. Unplug connector 2d from connector 9a. **See diagram 2.**
6. Measure resistance across pin 1 (red) and pin 3 (white) and across pin 1 (red) and pin 4 (white) on connector 9a. **See figure 36.**
 - *If your multimeter indicates an open on either test, then replace the power interface harness (2) and retest the system.*
 - *If your multimeter indicates less than 1 ohm on both tests, then replace the right motor (9) and retest the system.*

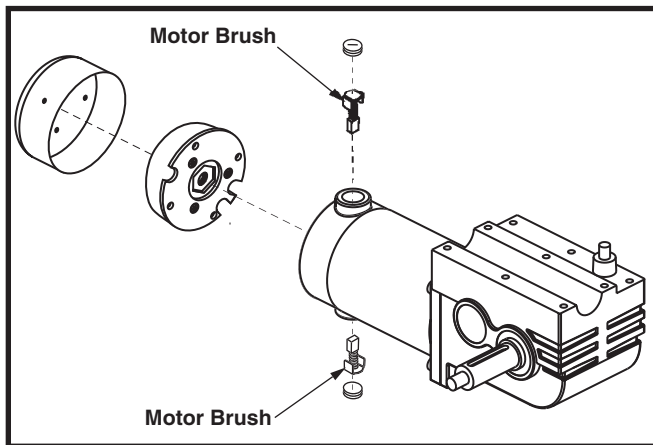


Figure 33. Motor Brush Location (typical)

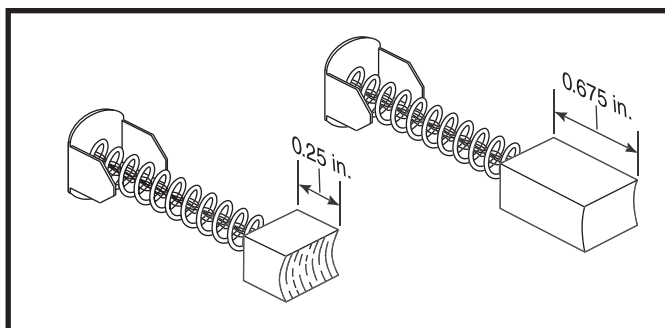


Figure 34. Motor Brushes

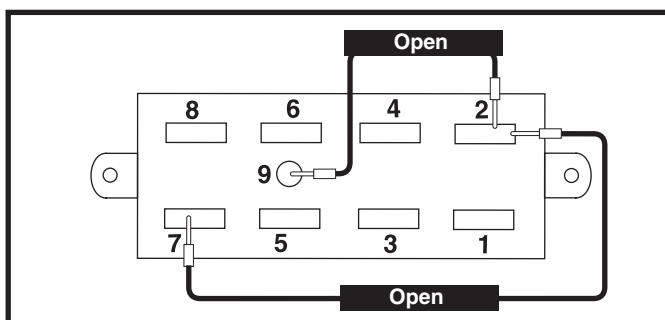


Figure 35. Connector 2a

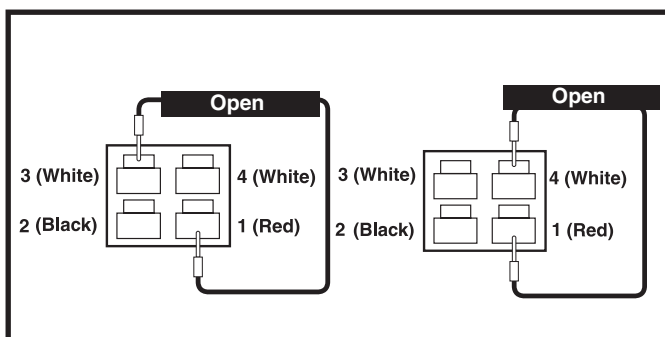


Figure 36. Connector 9a