

FIG. 48 TORQUE SENSOR CIRCUIT BOARD

### Location:

The torque sensor circuit board is located on the rear of the cooling drum mount just left of center.

### Test Procedures:

1. With the ON/OFF switch and Auger switch in the "ON" position and the ICE/OFF/NO-ICE switch in the "ICE" position check the L.E.D. on the control panel.
2. The L.E.D. for the torque sensor is located between the appropriate auger switch and the ice switch.
3. If the L.E.D. flashes one time every four seconds the auger is not turning. If the L.E.D. flashes three times every four seconds the torque is less than possible. If the L.E.D. flashes four times every four seconds the torque is greater than possible.
4. If the L.E.D. flashes three times every four seconds, four times every four seconds or one time every four seconds with the auger turning, replace the torque sensor circuit board.

### Removal and Replacement:

1. Remove the two #8-32 locking screws securing the auger motor cover to the cooling drum mount.
2. Remove the cover and set aside for reassembly.
3. Remove the #8 locking screw on the lower right side of the auger motor mounting bracket securing the auger motor run capacitor. Set capacitor aside with wires attached.
4. Disconnect the auger motor plug from the connector on the main wiring harness.

5. Remove the three remaining #8 locking screws securing the auger motor mounting bracket to cooling drum mounting bracket.
6. Remove motor with mounting bracket, drip tray, split pin and torsion spring bearings as an assembly and set aside for reassembly.

**NOTE:** When removing or installing the motor be sure the split pin in the motor shaft is turned to a position that will clear the torque sensor circuit board.

7. Disconnect the plug from the dispenser main wiring harness to the torque sensor circuit board.
8. Remove the #8-32 locking screw and washer securing torque sensor circuit board to the cooling drum mount.
9. Remove torque sensor circuit board and discard.
10. Install new torque sensor circuit board in the slot in the rear of the cooling drum mount and secure with a #8-32 locking screw and washer.
11. Refer to Fig. 49 and reconnect the wires.
12. Reinstall motor with mounting bracket, drip tray, split pin and torsion spring bearings using three #8 locking screws onto the cooling drum bracket.
13. Install the auger motor capacitor on the lower right side of the auger mounting bracket using the remaining #8 locking screw.
14. Connect the auger motor terminal to the terminal on the main wiring harness.
15. Refer to Fig. 49 when reconnecting the wires.
16. Position the auger motor cover on the cooling drum mount and secure with two #8-32 locking screws.

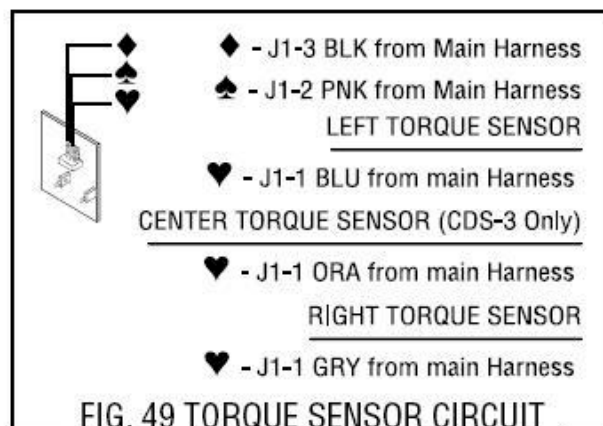


FIG. 49 TORQUE SENSOR CIRCUIT BOARD TERMINALS