

FOR SERVICE TECHNICIAN'S USE ONLY

TROUBLESHOOTING TESTS

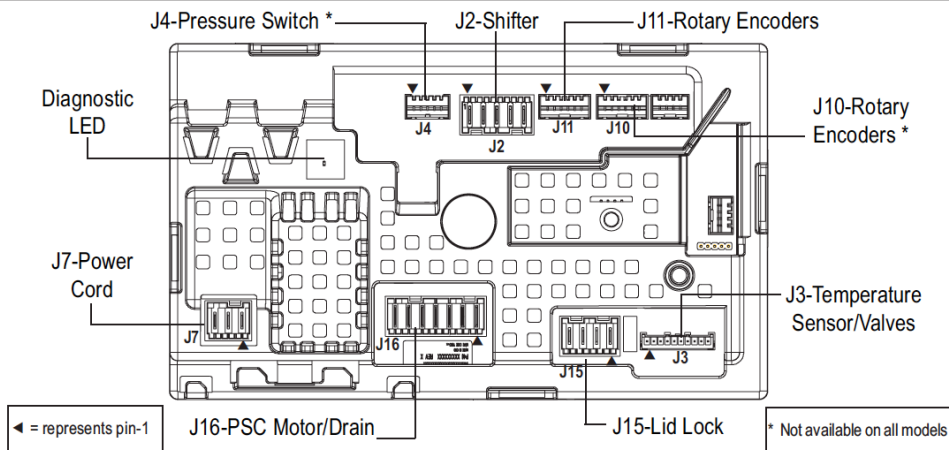
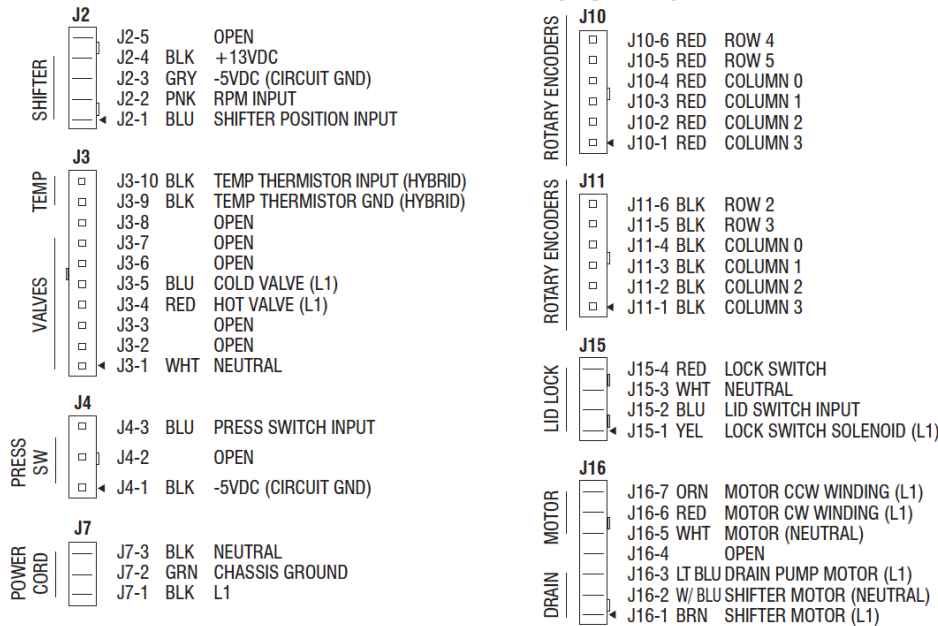
TEST #1: Main Control

This test checks for incoming and outgoing supplies to and from the main control. This test assumes that proper voltage is present at the outlet.

1. Unplug washer or disconnect power.
2. Remove console to access main control.
3. Verify that ALL connectors are inserted all the way into the main control.
4. Plug in washer or reconnect power.
5. With a voltmeter set to **AC**, connect black probe to J7-3 (Neutral) and red probe to J7-1 (L1).

- If 120VAC is present, go to step 6.
- If 120VAC is not present, check the AC power cord for continuity (See Figures 9 or 10).
- 6. Is the "Diagnostic LED" ON or OFF? (See Figure 3 below for LED location.)
 - ON: (+5VDC present) continue to step 7.
 - OFF: (+5VDC missing) proceed to step 8.
- 7. With a voltmeter set to **DC**, connect black probe to J2-3 (Circuit Gnd) and red probe to J2-4 (+13VDC).
- If +13VDC is present, main control supplies are good.
- If +13VDC is not present, go to step 8.

Main Control Board Connectors and Pinouts (Figure 3)



- 8.** Check if shifter assembly is affecting the main control DC supplies.
 - a.** Unplug washer or disconnect power.
 - b.** Remove connector **J2** from main control.
 - c.** Plug in washer or reconnect power.
 - d.** Repeat steps 6 and 7. Perform the +13VDC check inside header J2 on the board – do not short pins together.
 - If one or more DC voltages are still missing, go to step 9.
 - If the DC voltages return, check for short in harness between main control and shifter assy.
 - If harness and connections are good, replace shifter assembly.
- 9.** Main Control has malfunctioned.
 - a.** Unplug washer or disconnect power.
 - b.** Replace the main control.
 - c.** Reassemble all parts and panels.
 - d.** Plug in washer or reconnect power. Calibrate washer and perform Automatic Test to verify repair.