

8.1.4 See Section 4.3 of this manual for proper programming. Do not automatically program a replacement PCB like the suspected faulty PCB. The original problem may have been caused by a programming error.

8.2 ERROR CODES

ERROR CODE	DESCRIPTION	CORRECTIVE MEASURES
E1	ROM ERROR	<ol style="list-style-type: none"> 1. Remove power/wait 15 sec./retry. 2. Check wall transformer voltage and retry operation. 3. Replace J-Box PCB.
E2	APPLICATION PROGRAM EEPROM ERROR	<ol style="list-style-type: none"> 1. Remove power/wait 15 sec./retry. 2. Check wall transformer voltage and retry operation. 3. Replace Digital J-Box PCB.
E3	NOVRAM ERROR	<ol style="list-style-type: none"> 1. Remove power/wait 15 sec./retry. 2. Check wall transformer voltage and retry operation. 3. Perform Setup again. 4. Replace Digital J-Box PCB.
E8	OUT OF RANGE	<ol style="list-style-type: none"> 1. Check wall transformer voltage and retry operation. 2. Check voltage to Load Cell. 3. Check For Mechanical Overload. 4. Retry shift adjust and recalibrate. 5. Replace Digital J-Box PCB.
E13	EEPROM ERROR	<ol style="list-style-type: none"> 1. Remove power/wait 15 sec./retry. 2. Check wall transformer voltage and retry operation. 3. Replace Digital J-Box PCB.
E16	MATH OVERFLOW ERROR	<ol style="list-style-type: none"> 1. Re-calibrate. 2. Replace Digital J-Box PCB.
E32	CALIBRATION ERROR OR BUILD ERROR	<ol style="list-style-type: none"> 1. Recalibrate/Reconfigure SSW. 2. Replace Digital J-Box PCB.
E34	INSUFFICIENT AV COUNT	<ol style="list-style-type: none"> 1. Re-calibrate. 2. Replace Digital J-Box PCB and/or LC's.
BLANK	BLANK DISPLAY	<ol style="list-style-type: none"> 1. Check transformer. 2. If voltage is good, suspect faulty Display PCB.

8.3 VOLTAGE CHECKS

8.3.1 WALL TRANSFORMER VOLTAGE

The wall transformer converts standard 120 VAC/60 Hz input voltage to a nominal 12 VDC, at 500 ma, output to the display.

Although the wall transformer output depends directly upon the AC line voltage it is connected to, typical output voltage to the scale will be between +12 VDC to +16 VDC. This voltage can be checked at the transformer jack on the scale base, or on the transformer output plug.

8.3.2 DISPLAY PCB VOLTAGES

Various input and output voltages can be checked at the Display PCB on J-1, located at the end of the PCB. Access to J-1 is gained by removing both screws on the right end cap of the display housing. The end cap can then be moved away approximately two inches, as shown in Figure 3. A diagram of connector J-1 on the Display PCB is shown in Figure 4.

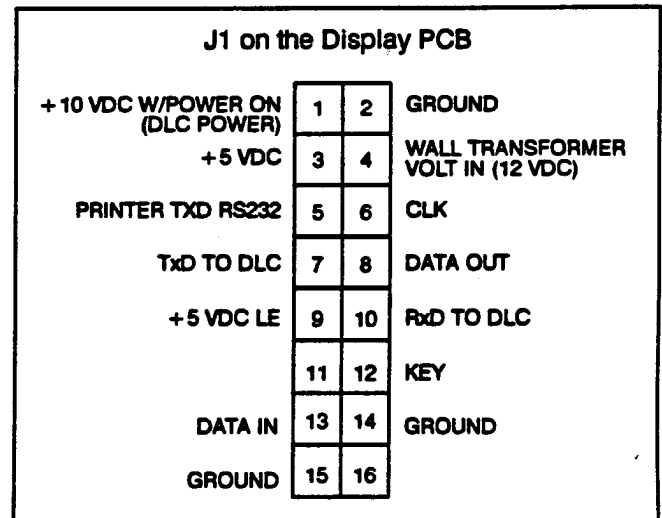


Figure 4

9. PARTS REPLACEMENT AND ADJUSTMENTS

⚠ WARNING !

THIS MODULE AND ITS ASSOCIATED EQUIPMENT MUST BE INSTALLED, ADJUSTED, AND MAINTAINED BY QUALIFIED PERSONNEL WHO ARE FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF ALL EQUIPMENT IN THE SYSTEM AND THE POTENTIAL HAZARDS INVOLVED. FAILURE TO OBSERVE THESE PRECAUTIONS COULD RESULT IN BODILY INJURY.

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