



TROUBLESHOOTING LOAD CELLS

The following will confirm a Load Cells wiring is damaged. The load cell cable connector will have five pins labeled “A” thru “E”. Some load cells will have a sixth pin, “F”, which is not used. Any measurements that deviate more than 10% from the expected result is determined inaccurate and will require the Load Cell to be replaced.

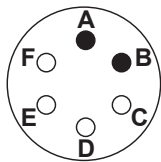
Disclaimer: Not all possible Load Cell damage can be confirmed, even if the following checks confirm Load Cell wiring is good, it still may require replacement.

Action

Result

Resistance Measurement

1

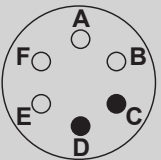


Measure resistance across pins “A” to “B” on the load cell connector.

The measured resistance should be approximately 350 ohms.

Resistance Measurement

2

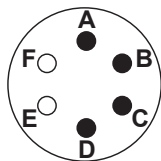


Measure resistance across pins “C” to “D” on the load cell connector.

The measured resistance should be approximately 350-380 ohms.

Resistance Measurement

3

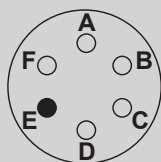


Measure resistance across pins “A” to “C”, “A” to “D”, “B” to “C”, and “B” to “D” on the load cell connector.

The measured resistance should be approximately 270 ohms.

Resistance Measurement

4



Measure resistance across pin “E” to all other pins on the connector.

The measured resistance should be infinite or maximum resistance.