TIP SHEET

Testing float switches, or fluid sensors, in horizontal tanks: 140-1146 3510000030 3510000070

 TIP Sheet #82-L0511, Rev. 0A

This T.I.P Sheet is for testing float switches used in horizontal tanks in leveling systems: 140-1146, 3510000030 or 3510000070 with internal 1,000 ohm, .5 watt resistor.

Step 1: Set multi-meter to kilo-ohms' setting for your particular meter.

Step 2: Connect multi-meter to float switches wires and actuate the float on the switch.

Step 3: The switch should open and close creating a change in resistance.

Step 4: When the switch is in the closed position you should see approximately 1,000 ohm (plus or minus 10%) of resistance on the float switch. When in the open position, it should read zero resistance, or open.

Step 5: If the float switch fails open, fails closed, or is intermittent, note that on the return tag for the warranty department, or replace the switch if not under warranty.

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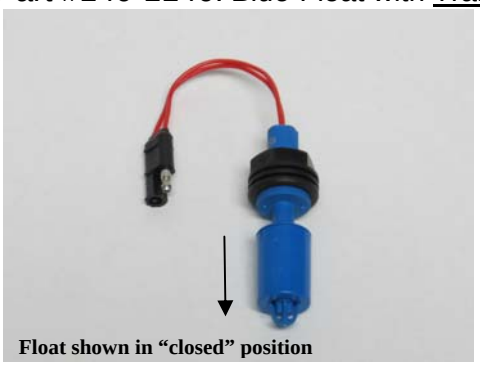
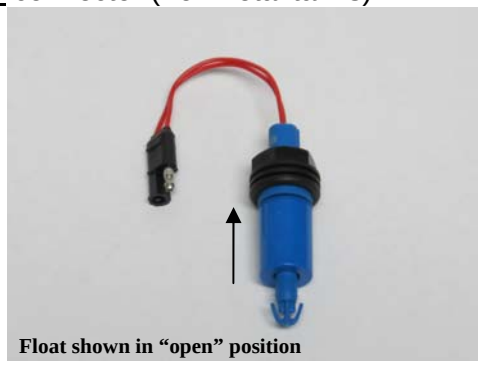
If the float switch is cracked, or the wires are pulled out, cut, or modified, warranty claim will be denied. Use a multi-meter to check resistance. The float switches complete the circuit to turn the "Jacks Down" LED on the touchpad "On" or "Off" depending on the state of the float.

Note the type of connectors used on the different float switches

Part #140-1146: *Blue* Float with Trailer connector (For metal tanks)



Float shown in "closed" position



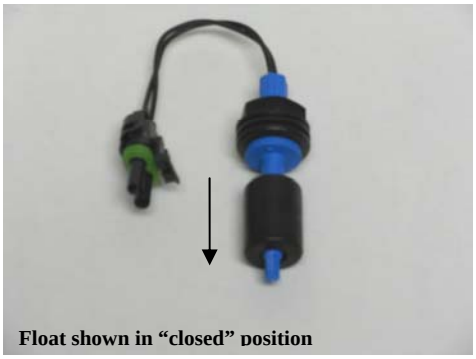
Float shown in "open" position

Part #1510000030: *Black* Float with Trailer connector (For plastic tanks)

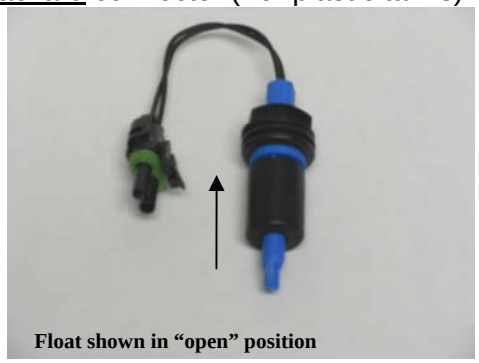
Float shown in "closed" position

Float shown in "open" position

Part #1510000070: *Black* Float with Packard connector (For plastic tanks)



Float shown in "closed" position



Float shown in "open" position

NOTE: Refer to www.powergearus.com for Tip Sheet #82-L0508 for directions to replace these float switches.