



Fuel PC Board located under the glare shield. NO NEED to remove it for the test

Just unplug the plug on the bad fuel gauge and plug in the tester



Your fuel printed circuit must look just like this to use the tester

Used on: **F33A** E772 & up **V35B** D10120 & up **A36TC** EA1-EA272 **F33C** CJ149 & up
A36 E1111-E2110 **B36TC** EA273-EA319 EA321-EA388

Here is all you need to do!

1. Provide the SN of your aircraft so I can preset the tester for the wing sender (float) resistance and full scale fuel gauge reading for a full tank.

To set up for the printed circuit board test:

1. Fill your tanks to full on the side that is not working correctly.
2. Remove the glare shield.
3. Find the plug on the gauge that is not working correctly and unplug it.
4. Plug in the tester.
5. Set the switch to wing. (uses the wing float switch)

Warning: The tester switch must be in the wing or the tester position not the center off position prior to turning the master on. Damage to the fuel gauge could result!!

To Run the test:

- 1) Turn the master switch on and see if the bad fuel gauge is now steady and reading full. (Note: if the gauge is steady and not reading full adjust the pot on the tester marked f gauge until you get a full reading on your gauge).
- 2) If this takes care of your gauge problem then you have a bad PC board which can be repaired for \$500 from Birks aviation in Peoria Illinois 309-686-0614
- 3) Master switch off.

If steps 1-2 above did not give you a steady fuel gauge reading then proceed to checking the wing sender (float switch) below:

1. Set the test box switch to tester. (removes the wing float switch from the circuit and installs a resistor on the tester)
Warning: The tester switch must be in the wing or the tester position not the center off position prior to turning the master on. Damage to the fuel gauge could result!!
2. Master switch on.
3. If the gauge is now steady and reading full you have a problem with the float switches in the wing and or a wiring problem from the wing to the printed circuit board mounted in the aircraft.
4. Master switch off
5. Plug your PC board back in and remove the tester
6. Remove the cover at the fuel tank cap and before removing the fuel float switches install the supplied 100 ohm resistor on wire number E9C20 to ground.
7. Master switch on and see if your PC board and fuel gauge is working
8. If this takes care of your problem it is the float switches. If it does not it is the wiring from the float switch to the PC board.

Here is how to rent the tester:

1. Send an email to hstyle@yahoo.com for details (Rent for \$40 including freight to you) (Hyland Lyle 313-670-3833)
2. Tester comes to you in a USPS priority box with a self-addressed return label
3. Return within 2 weeks