

Fig. 3—Fuel Gauge Test without Tester

Results

(1) If fuel gauge does not meet specifications, check following items as possible causes:

(a) Wiring and connections between gauge sending unit and multiple connector behind left cowl kick pad.

(b) Wiring and connections between multiple connector behind left cowl kick pad and printed circuit board terminals.

(c) Circuit continuity between printed circuit board terminals and gauge terminals.

(d) Voltage limiter performance.

If these items check okay, fuel gauge is defective and must be replaced.

(2) If fuel gauge meets specifications with tool C-3826A or known good sending unit, check fuel tank and original, installed fuel gauge sending unit as follows:

(a) Carefully remove fuel gauge sending unit from tank. Connect sending unit wire and jumper wire as outlined in "Preparation (When Tester Tool C-3826A is not Available)".

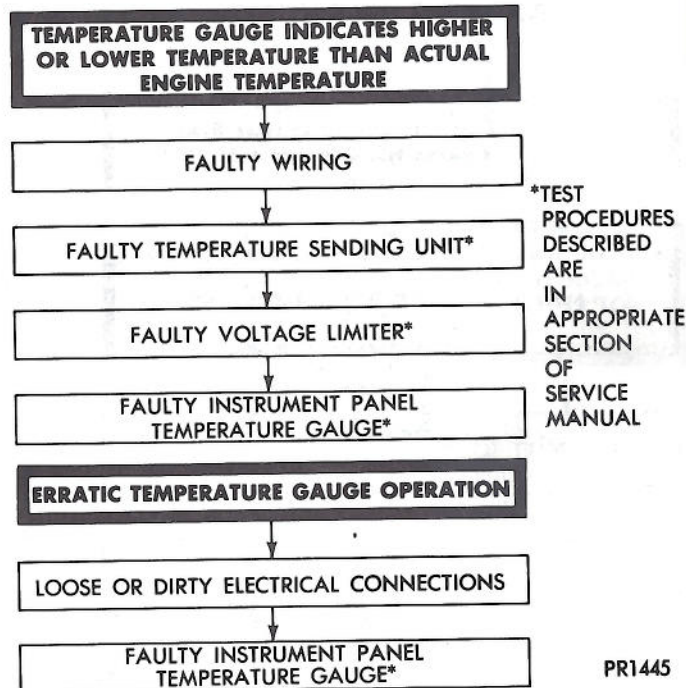
(3) If fuel gauge now checks within specifications, original installed sending unit is electrically okay, check following as possible cause:

(a) ground terminal on sending unit.

(b) sending unit deformed. Make sure sending unit float arm moves freely, pick up tube is not bent upwards so that there is not an interference fit with bottom of tank and inspect float.

(c) sending unit improperly installed, install properly.

(d) mounting flange on fuel tank for sending

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unit deformed, feel for interference fit of sending unit to bottom of tank. It is permissible to bend pick up tube down a little near mounting flange to gain interference fit.

(e) fuel tank bottom deformed causing improper positioning of sending unit pick up tube, replace or repair tank and recheck sending unit.

Fuel Tank Sending Unit

It is necessary to lower the fuel tank in order to remove the fuel gauge sending unit. Refer to "Group 14 Fuel System" for fuel tank and sending unit service procedures.

Temperature Gauge Test (Fig. 4)

Disconnect the terminal from the temperature sending unit on the engine. connect one test lead of tester C-3826A to the terminal and the other test lead to a good ground. Place the pointer of the gauge tester on the "E" position and turn the ignition switch to "On." The temperature gauge should show "C" plus or minus 1/8 inch.

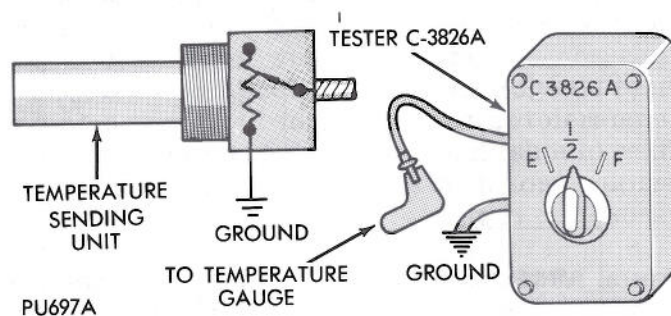


Fig. 4—Temperature Gauge Test