



Installation Instructions

For The Fuel Level Sender Kit P/N 226 002

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VDO

THE INSTRUCTIONS FOR THE INSTALLATION OF THE BASIC FUEL SENDER KIT FOLLOW. USE IS RESTRICTED TO 12 VOLT NEGATIVE GROUND ELECTRICAL SYSTEMS FOR WIRING INSTRUCTIONS, REFER TO THE FUEL GAUGE INSTALLATION.

Parts Lists

Item	Description	Quantity
1.	Fuel Level Sender	1
2.	Float Arm	1
3.	Gasket and Hardware Kit	1
4.	Bolt-on Installation Kit	1

Additional Material Possibly Required to Complete Installation
Weld-On Installation Kit (optional) P/N 226 90

CAUTION: Read these instructions thoroughly before making installation. Do not deviate from assembly or wiring instructions. Always disconnect positive battery lead before making any electrical connections. If in doubt, please contact your dealer for VDO Instruments at 1-800-265-1818

Fuel Level Sender Installation

The Fuel Level Sender has a resistance rating of 10 ohms when the tank is empty and 180 ohms when full. Refer to the VDO catalog for matching fuel gauges. The unit can be adjusted to read accurately in tanks from 6" to 23" deep. For sender adjustment, refer to Table 1 and Fig. 2.

I. Measure depth of the fuel tank. Locate the dimension in Column "A" of Table 1. Column "B" then shows the length from the underside of the sender flange to the center of the float pivot. Column "C" shows the distance from the center of the float pivot to the center of the float ball. For example, a tank 12" deep would need a measurement of 6" from the flange to the pivot, and 7.8" from the pivot to the float.

II. For tank depths up to 15 1/2" it will be necessary to eliminate a part of the assembly. (See Fig. 1) Proceed as follows:

1. Remove nut "a", washer "b" and ring terminal "c" from the underside of the mounting flange.
2. Remove two screws "d" and discard.
3. Remove two screws "e" from the plastic housing and reserve for later use.
4. Carefully remove bracket "f" from the plastic housing and discard. Replace with bracket "g" in the housing and loosely re-install the two screws "e" into housing.
5. Slide housing up or down until the proper dimension from the Table 1 is reached, then tighten screws securely.
6. Replace ring terminal and hardware.

CAUTION: When installing the float arm into the sender body, make sure the float ball is to the right side when you face the unit, as shown in Fig. 1. If installed to the left, the fuel gauge will read "full" when the tank is empty.

III. For tank depths of 16" to 23", no disassembly for the sender bracket is necessary.

1. Remove ring terminal as instructed in Section II above.
2. Loosen two screws "d" and adjust the plastic housing up and down until the proper dimension from Table 1 is obtained, then retightened screws securely.
3. Re-install ring terminal and hardware, and then tighten all hardware securely, avoiding over-tightening.

IV. To install the float assembly, loosen screw "h", remove the short piece of rod, and discard. Insert the float rod until the proper length "c" from Table 1 is met, then tighten the screw securely. Carefully cut off any excess rod with a bolt cutter or similar tool, taking care not to damage the assembly

NOTE: Make sure the float is installed as shown in Fig. 1. If installed backwards, the fuel gauge will indicate "full" when the tank is empty, and "empty" when the tank is full.

VDO Instruments recommends that the fuel sender and the fuel gauge be wired together and checked for compatibility prior to installing fuel sender into tank.