



Installation Instruction FUEL LEVEL SENDER

IMPORTANT INFORMATION

- DISCONNECT THE BATTERY CABLE PRIOR TO INSTALLATION.
- MODIFICATIONS TO FUEL TANKS SHOULD ONLY BE DONE WITH THE TANK REMOVED FROM THE VEHICLE, EMPTIED, CLEANED AND DRIED.
- PLEASE READ THROUGH THESE INSTRUCTIONS BEFORE STARTING THE TASK.

STEPS

- Measure the depth of the fuel tank.
- Select the rod and float arm dimensions, relevant to the depth of your tank *as per table attached*.
- Slide the retaining clip and the float onto the float arm wire and adjust to the desired length. The clips can be moved along the wire by squeezing the open ends together.

THE FLOAT ARM WIRE CAN CAUSE INJURY PLEASE HANDLE WITH CARE, USE PROTECTIVE GLOVES

- When the float has been correctly positioned on the wire trim off the excessive wire.

IF A WIRE CUTTER IS USED HOLD THE END OF THE WIRE TO PREVENT THE CUT PIECE FROM FLYING OFF AND CAUSING INJURY

- Set correct position of resistor box by sliding the (↑) mark side towards mounting flange.
- Slide the resistor box onto the metal rod and adjust to the correct pivot height as per table.
- Mark the rod just below the bottom resistor box bracket.
- Remove the resistor box and cut off the surplus rod.
- Attach the square nuts and bolts to the resistor box brackets, but do not tighten yet.
- Holding the resistor box rotate the mounting flange so that the float arm orientation is correct, winding the electrical wire tightly around the rod so that it does not interfere with the operation of the float arm.
- Slide the resistor box onto the rod to the correct height and orientation, then fully tighten the screws until the surfaces of the mounting brackets meet and the box is secured to the rod.
- At this point it is a good idea to check that the sender and the fuel gauge work in harmony. Please connect the sender to the gauge and check that the gauge reads full when the float arm is in the uppermost position, and the gauge shows empty when the float arm is at its lowest.
- If all is well, slide the gasket over the float, along the arm and over the resistor box to the underside of the flange.
- Correctly orient the gasket by placing the cut out in the gasket diametrically opposite the index hole in the flange (the index hole is the one with the key way cut into it) prior to inserting the unit into the tank.

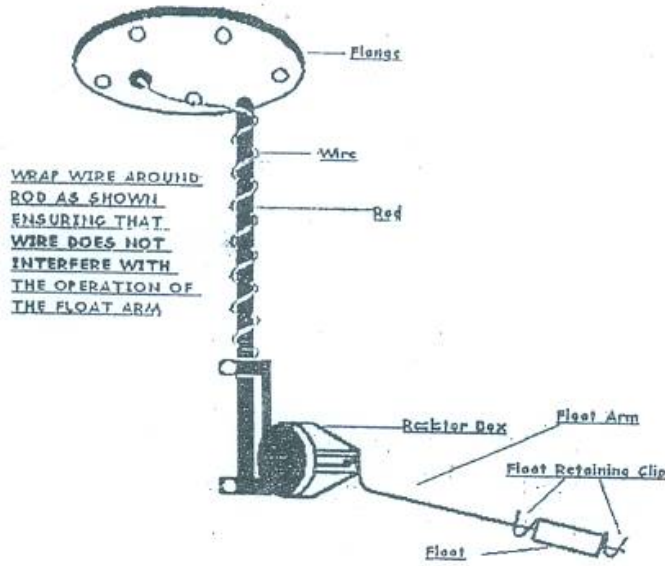
AT THIS POINT THE TANK SHOULD BE CHECKED TO ENSURE THAT IT IS FREE FROM ANY DEBRIS, DIRT, LOOSE SCREWS ETC

- Install the unit, float first into the tank and align the screw holes with those on the sender flange and the gasket.
- Insert the mounting screws and tighten securely but DO NOT OVER TIGHTEN.



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FAMILARISE YOURSELF WITH THE ATTACHED DIAGRAM SO THAT YOU BECAME AWARE OF THE NAMES GIVEN TO THE KEY COMPONENT IN THIS ASSEMBLY



CALIBRATION TABLE
IMPERIAL SCALE

Depth of Tank (in inches)	Rod Length(in inches)	Float Arm Length (after Bending point) (in inches)
6.00	3.20	3.90
6.80	3.30	4.00
7.60	3.50	4.50
8.40	4.00	5.00
9.20	4.50	6.00
10.00	5.00	7.00
10.80	5.20	7.00
11.60	6.00	7.50
12.40	7.00	7.50
13.20	7.00	7.50
14.00	8.00	8.00
14.80	8.10	8.90
15.60	9.00	9.10
16.40	10.00	9.50
17.20	10.20	10.00
18.00	11.00	10.00
18.80	11.50	10.50
19.60	12.00	11.50
20.40	12.10	11.90
21.20	13.00	12.50
22.00	13.10	12.80
22.80	13.20	13.20
23.40	14.20	13.20
24.20	14.40	13.90
25.00	16.00	13.90