

AMERICA'S IGNITION SPECIALISTS

Mallory

IGNITION

FOR OVER SIXTY YEARS

MALLORY 29714 LEFT HAND ARM FUEL LEVEL SENDER 29715 RIGHT HAND ARM FUEL LEVEL SENDER

INSTALLATION INSTRUCTIONS

SHALLOW TANK UNIT INSTALLATION

(FOR TANKS WITH A 6 TO 12 INCH DEPTH)

Shallow Tank Units are either for 6 volt or 12 volt systems and are made for right or left hand installations.

The direction of the float arm is governed by the position of the flange mounting holes. Two of these holes have a greater distance between them than the others (Figure 2). Hold the bracket with these two holes toward you and note which way the float arm swings. If the arm does not clear the side of the tank, a tank unit that swings in the opposite direction must be used. Figure 1 illustrates right hand unit.

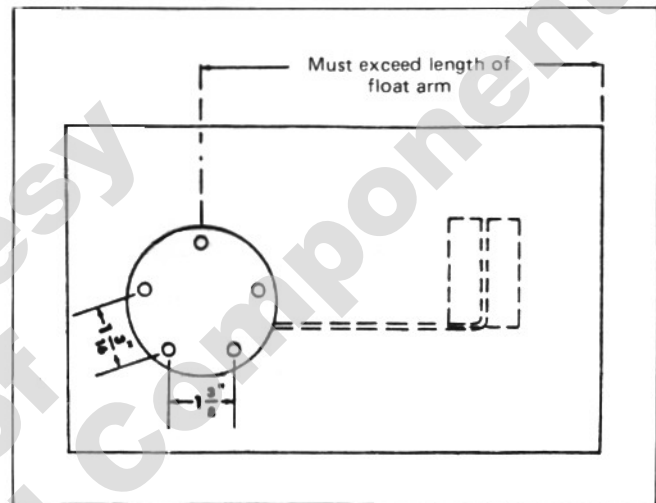


FIGURE 1

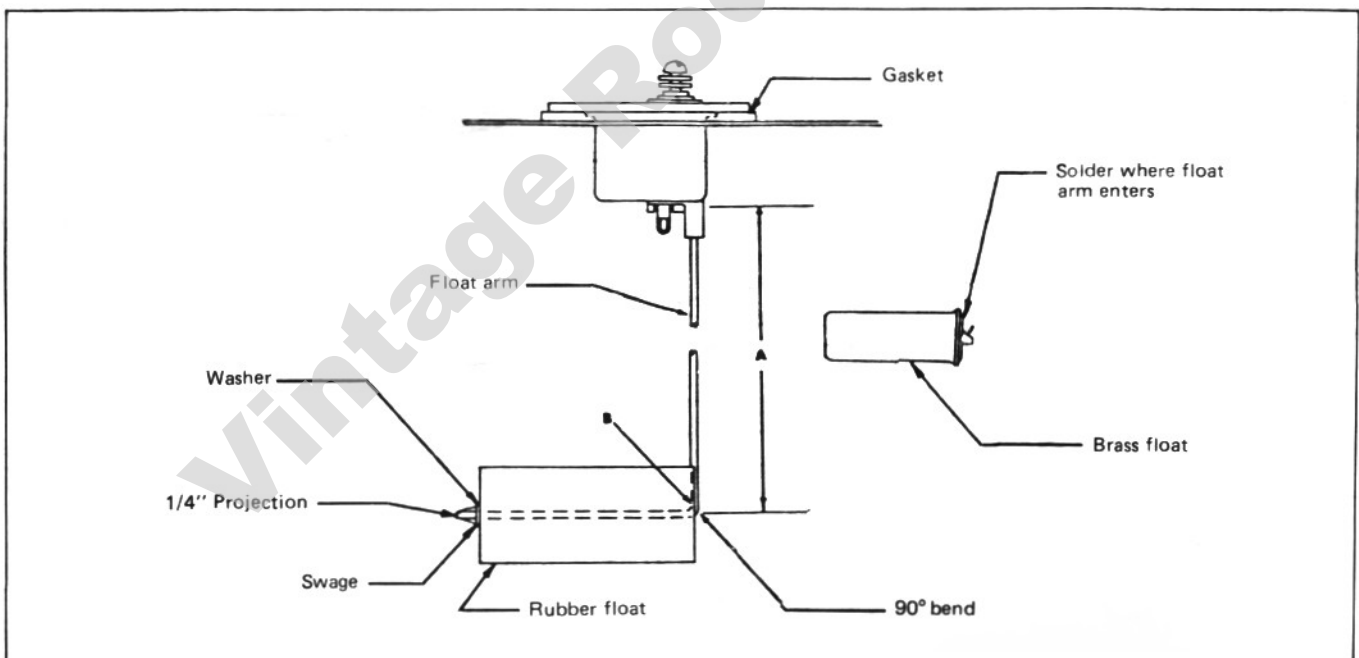


FIGURE 2

(SEE REVERSE SIDE)

ADJUSTMENT PROCEDURE

Measure the depth of the tank (Figure 2).

Refer to the TABLE OF MEASUREMENTS for shallow tank to determine the length of the float arm, Dimension "A," from the top of arm to center of float. This dimension, when correct, will provide a 5/8" clearance at top and bottom of tank as in Figure 3, Dimension "C."

RUBBER FLOAT:

1. The length to cut is three inches longer than the actual length (Dimension "A").
2. At point where float arm enters float, make a 90 degree bend as illustrated ("B," Figure 2).
3. Slide float and washer on float arm (Figure 2) until arm protrudes from other end of float.
4. Press washer tight to end of float and swage or flatten end of arm to retain washer and float.

BRASS FLOAT:

1. The length to cut is one-half inch longer than the actual length.
2. Insert wire float arm into clip on float and bend protruding 1/2" of float arm to hold float.
3. Crimp the parallel portion of clip to secure the assembly.
4. Place a drop of solder where float arm enters clip (see insert, Figure 2).

CAUTION: Do not bend or try to adjust the stop arms ("D," Figure 3). If minor adjustment must be made, do so by bending the wire float arm only.

TABLE OF MEASUREMENTS
SHALLOW TANK

Tank Depth	Dimension "A"
6"	4-5/16"
6-1/2"	4-7/8"
7"	5-7/16"
7-1/2"	6"
8"	6-9/16"
8-1/2"	7-1/8"
9"	7-5/8"
9-1/2"	8-3/16"
10"	8-3/4"
10-1/2"	9-5/16"
11"	9-7/8"
11-1/2"	10-3/8"
12"	10-15/16"

INSTALLING UNIT IN TANK

1. Place gasket under tank unit mounting bracket (on top of tank flange).
2. Connect a No. 16 gauge wire from terminal marked "TANK" on the fuel gauge ("A," Figure 4) to the terminal on top of the Tank Unit.
3. Connect a No. 16 gauge wire between the terminal on the fuel gauge marked "IGN" to the ignition switch.
4. The fuel gauge case must also have a good common ground with the tank unit. A third terminal on the fuel gauge marked "GRD" is provided for this purpose (Figure 4).

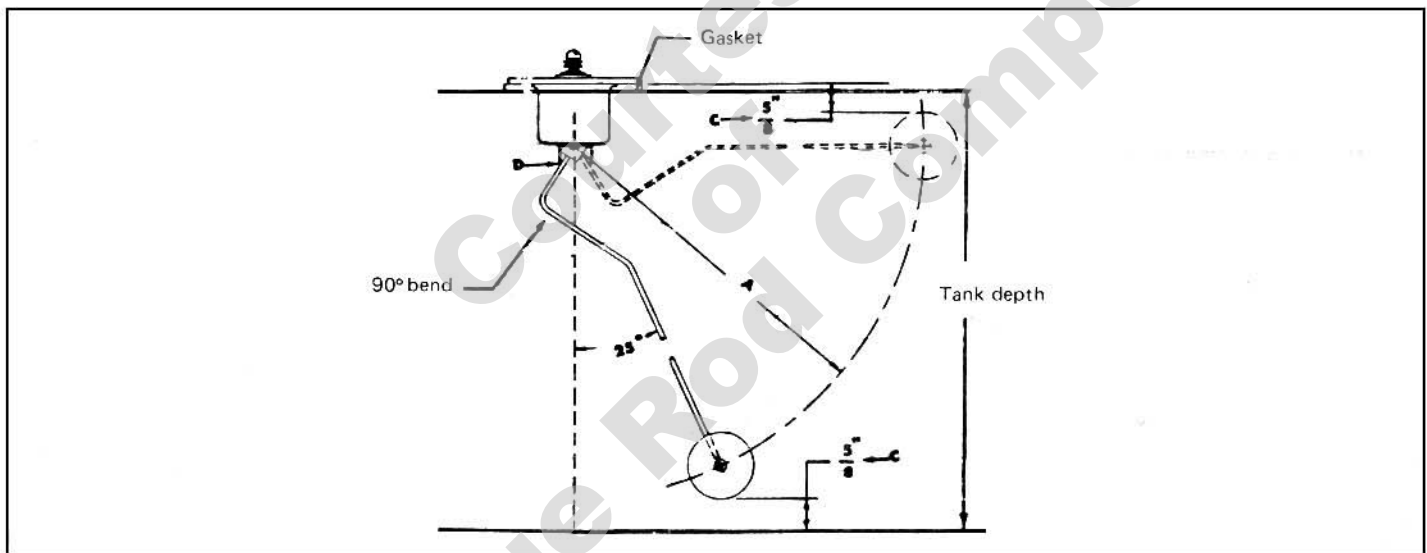


FIGURE 3

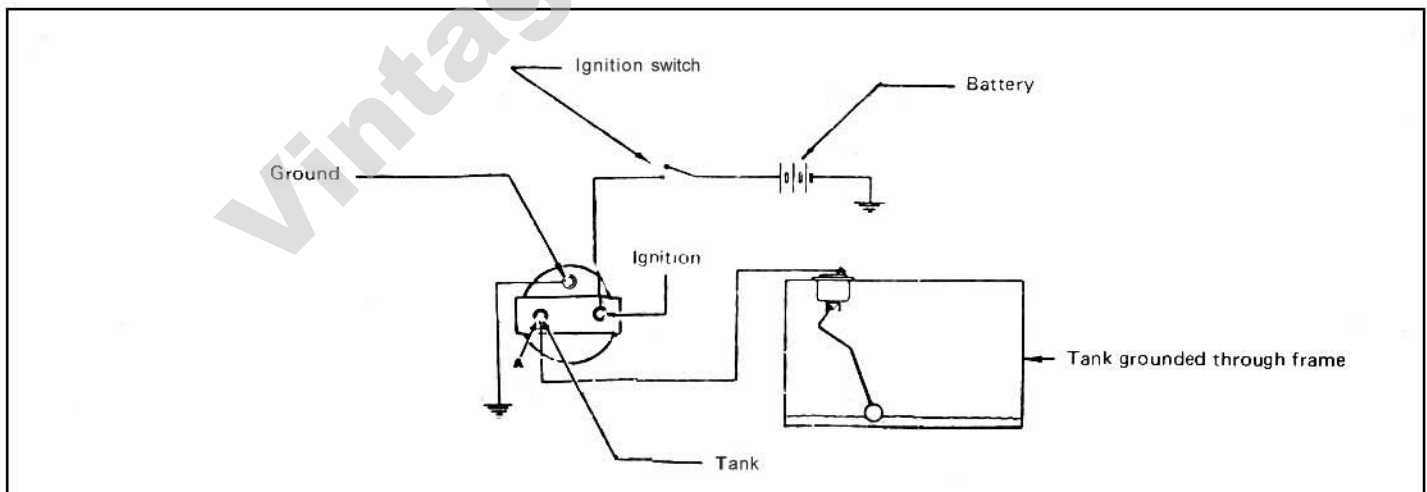


FIGURE 4