

## FUEL LEVEL GAUGE INSTRUCTIONS

### CAUTION: CLEAN USED TANKS THOROUGHLY

Installing the fuel level transmitter in a fuel tank that has been used must be done using extreme care. Gasoline fumes and vapors are explosive. To reduce chances of an explosion, have the tank steam cleaned, wash it out with detergent and flush with plenty of water. Force large quantities of air through it. Do not do anything that will cause sparks or flame close to the fuel tank.

### MAKING THE INSTALLATION

In some installations, you will find the need to cut holes in the tank. When cutting holes, use a method that will not cause sparks. An electric drill is not a good tool to use around gasoline.

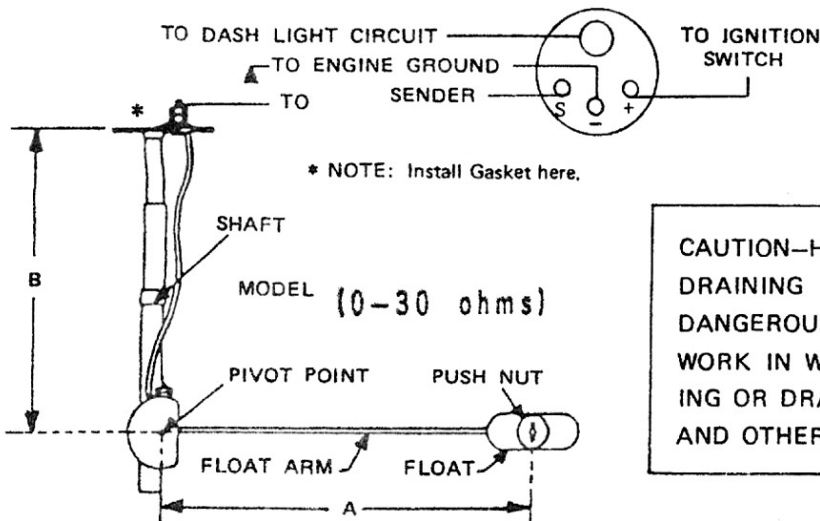
Locate a suitable area to install the transmitter allowing enough room to give the float free travel. Cut a hole 1.5" in diameter. Adjust the transmitter for tank depth per instructions. Insert the shaft of the transmitter through the gasket and through the hole in the tank. Screw holes in this fuel level transmitter mounting disc are not evenly spaced, so be sure to position the transmitter correctly allowing the float free travel throughout its range before making the five screw holes.

If you are replacing a transmitter and gauge set with this set and you find (after lining up the five holes with those in the tank), that the float does not have free travel, loosen the larger nut around the transmitter terminal, rotate the transmitter shaft to position the float for free travel, tighten the nut securely.

Be sure the transmitter and gauge have a good common ground.

**NOTE:** This transmitter is made to be used only with the gauge included. Any other transmitter or gauge combination could result in system inaccuracy.

# INSTALLATION INSTRUCTIONS



CAUTION—HANDLE FUEL TANK CAREFULLY WHEN DRAINING TO REPLACE FUEL TRANSMITTER. DANGEROUS GASOLINE FUMES ARE PRESENT. WORK IN WELL VENTILATED AREA, AVOID SLIDING OR DRAGGING TANK, AND KEEP CIGARETTES AND OTHER HOT MATERIALS AWAY.

COMPLETE INSTALLATION OF THE FUEL LEVEL GAUGE REQUIRES THE USE OF ENCLOSED FUEL TRANSMITTER FIND CORRECT FUEL TANK DEPTH IN THE FOLLOWING TABLES. AND INSTALL FUEL TRANSMITTER BY USING THE DETAILED ASSEMBLY PROCEDURE BELOW

FUEL TRANSMITTER	TANK DEPTH"	LENGTH"		TANK DEPTH"	LENGTH"		TANK DEPTH"	LENGTH"		TANK DEPTH"	LENGTH"	
		A	B		A	B		A	B		A	B
MODEL	5	2 <sup>11</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	11	6 <sup>7</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	17	11	8 <sup>5</sup> / <sub>8</sub>	23	15 <sup>1</sup> / <sub>8</sub>	11 <sup>5</sup> / <sub>8</sub>
	5 <sup>1</sup> / <sub>2</sub>	3	2 <sup>7</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>2</sub>	7 <sup>3</sup> / <sub>16</sub>	5 <sup>7</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>2</sub>	11 <sup>5</sup> / <sub>16</sub>	8 <sup>7</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>2</sub>	15 <sup>7</sup> / <sub>16</sub>	11 <sup>7</sup> / <sub>8</sub>
	6	3 <sup>3</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	12	7 <sup>9</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>8</sub>	18	11 <sup>11</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub>	24	16 <sup>13</sup> / <sub>16</sub>	12 <sup>1</sup> / <sub>8</sub>
	6 <sup>1</sup> / <sub>2</sub>	3 <sup>11</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>	12 <sup>1</sup> / <sub>2</sub>	7 <sup>7</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>2</sub>	12	9 <sup>3</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>2</sub>	16 <sup>3</sup> / <sub>16</sub>	12 <sup>3</sup> / <sub>8</sub>
	7	4 <sup>1</sup> / <sub>16</sub>	3 <sup>5</sup> / <sub>8</sub>	13	8 <sup>1</sup> / <sub>4</sub>	6 <sup>5</sup> / <sub>8</sub>	19	12 <sup>3</sup> / <sub>8</sub>	9 <sup>5</sup> / <sub>8</sub>	25	16 <sup>1</sup> / <sub>2</sub>	12 <sup>5</sup> / <sub>8</sub>
	7 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>8</sub>	3 <sup>7</sup> / <sub>8</sub>	13 <sup>1</sup> / <sub>2</sub>	8 <sup>9</sup> / <sub>16</sub>	6 <sup>7</sup> / <sub>8</sub>	19 <sup>1</sup> / <sub>2</sub>	12 <sup>11</sup> / <sub>16</sub>	9 <sup>7</sup> / <sub>8</sub>	25 <sup>1</sup> / <sub>2</sub>	16 <sup>13</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>8</sub>
	8	4 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>8</sub>	14	8 <sup>15</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>	20	13 <sup>1</sup> / <sub>16</sub>	10 <sup>1</sup> / <sub>8</sub>	26	17 <sup>3</sup> / <sub>16</sub>	13 <sup>1</sup> / <sub>8</sub>
	8 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>8</sub>	14 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>4</sub>	7 <sup>3</sup> / <sub>8</sub>	20 <sup>1</sup> / <sub>2</sub>	13 <sup>3</sup> / <sub>8</sub>	10 <sup>3</sup> / <sub>8</sub>	26 <sup>1</sup> / <sub>2</sub>	17 <sup>1</sup> / <sub>2</sub>	13 <sup>3</sup> / <sub>8</sub>
	9	5 <sup>1</sup> / <sub>2</sub>	4 <sup>5</sup> / <sub>8</sub>	15	9 <sup>5</sup> / <sub>8</sub>	7 <sup>5</sup> / <sub>8</sub>	21	13 <sup>3</sup> / <sub>4</sub>	10 <sup>5</sup> / <sub>8</sub>	27	17 <sup>13</sup> / <sub>16</sub>	13 <sup>5</sup> / <sub>8</sub>
	9 <sup>1</sup> / <sub>2</sub>	5 <sup>13</sup> / <sub>16</sub>	4 <sup>7</sup> / <sub>8</sub>	15 <sup>1</sup> / <sub>2</sub>	9 <sup>15</sup> / <sub>16</sub>	7 <sup>7</sup> / <sub>8</sub>	21 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>16</sub>	10 <sup>7</sup> / <sub>8</sub>			
	10	6 <sup>3</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>8</sub>	16	10 <sup>5</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>8</sub>	22	14 <sup>7</sup> / <sub>16</sub>	11 <sup>1</sup> / <sub>8</sub>			
	10 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub>	16 <sup>1</sup> / <sub>2</sub>	10 <sup>5</sup> / <sub>8</sub>	8 <sup>3</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>2</sub>	14 <sup>3</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>8</sub>			

## ASSEMBLY PROCEDURE:

TO INSTALL FUEL TRANSMITTER FOR FUEL LEVEL GAUGE PROCEED AS FOLLOWS:

- 1.0 DRAIN FUEL TANK AND REMOVE FROM VEHICLE.
- 2.0 IF REQUIRED, DISASSEMBLE AND REMOVE OLD FUEL LEVEL GAUGE AND TRANSMITTER ASSEMBLY.
- 3.0 NEW TRANSMITTER MUST BE ADJUSTED TO FIT FUEL TANK. ADJUST LENGTHS "A" AND "B" FOR TRANSMITTER BY USING TABLE ABOVE.
- 3.1 ADJUSTMENT OF LENGTH "A" IS ACCOMPLISHED BY CUTTING FLOAT ARM AND ATTACHING TO SHAFT ROTATING ARM. FLOAT ARM AND ROTATING ARM EQUAL LENGTH "A"
- 3.2 ADJUSTMENT OF LENGTH "B". LOOSEN SHAFT SET SCREWS AND ADJUST SHAFT TO SPECIFIED LENGTH BEFORE TIGHTENING. ROTATE PIVOT ASSEMBLY TO ALLOW FOR FREE MOVEMENT OF FLOAT ARM WHEN PLACED IN TANK. IF TANK FLANGE IS USED BETWEEN TANK AND UNIT, ADD THAT THICKNESS TO MEASUREMENT "B"—SEE TABLES.
- 4.0 AFTER ADJUSTING, INSTALL NEW TRANSMITTER IN FUEL TANK. ALSO INSTALL GASKET AT MOUNTING HOLE IN FUEL TANK, TIGHTEN ALL FASTENERS AND CONNECT FUEL TRANSMITTER SENDER TO PROPER FUEL GAUGE TERMINAL.