

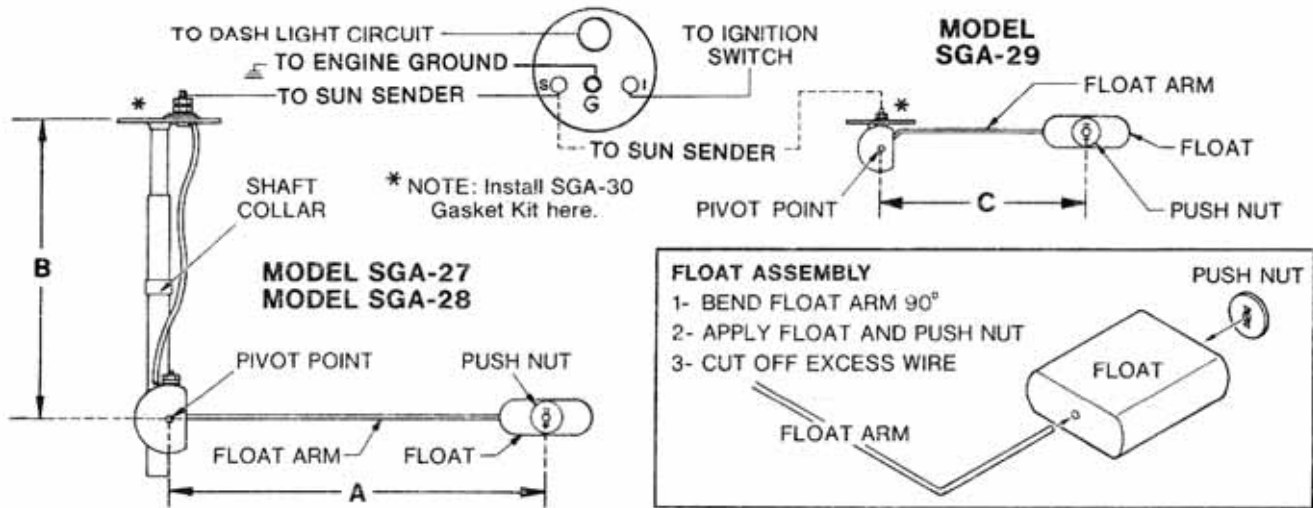
Sun ELECTRIC CORPORATION

INSTALLATION INSTRUCTIONS

PAGE 2

FUEL TRANSMITTERS

SGA-27, 28, AND 29



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

FUEL TRANSMITTER	TANK DEPTH "	LGTH." C	FUEL TRANSMITTER	LENGTH "		FUEL TRANSMITTER	TANK DEPTH "	LENGTH "		
				A	B			A	B	
MODEL SGA-29	5	3 ³ / ₈	MODEL SGA-28	10	6 ¹ / ₁₆	5 ¹ / ₈	MODEL SGA-27	17	11	8 ³ / ₈
	5 ¹ / ₂	3 ³ / ₈		10 ¹ / ₂	6 ¹ / ₂	5 ³ / ₈		17 ¹ / ₂	11 ¹ / ₁₆	8 ⁷ / ₈
	6	4 ³ / ₈		11	6 ³ / ₈	5 ⁵ / ₈		18	11 ¹ / ₁₆	9 ¹ / ₈
	6 ¹ / ₂	4 ⁷ / ₈		11 ¹ / ₂	7 ¹ / ₁₆	5 ⁷ / ₈		18 ¹ / ₂	12	9 ³ / ₈
	7	5 ¹ / ₈		12	7 ¹ / ₁₆	6 ¹ / ₈		19	12 ³ / ₈	9 ⁵ / ₈
	7 ¹ / ₂	5 ⁵ / ₈		12 ¹ / ₂	7 ³ / ₈	6 ³ / ₈		19 ¹ / ₂	12 ¹ / ₁₆	9 ⁷ / ₈
	8	6 ¹ / ₈		13	8 ¹ / ₄	6 ⁵ / ₈		20	13 ¹ / ₁₆	10 ¹ / ₈
	8 ¹ / ₂	6 ⁵ / ₈		13 ¹ / ₂	8 ⁵ / ₁₆	6 ⁷ / ₈		20 ¹ / ₂	13 ³ / ₈	10 ³ / ₈
	9	7 ¹ / ₈		14	8 ¹ / ₁₆	7 ¹ / ₈		21	13 ³ / ₄	10 ⁵ / ₈
	9 ¹ / ₂	7 ⁵ / ₈		14 ¹ / ₂	9 ¹ / ₄	7 ³ / ₈		21 ¹ / ₂	14 ¹ / ₁₆	10 ⁷ / ₈
	10	8 ¹ / ₈		15	9 ³ / ₈	7 ⁵ / ₈		22	14 ¹ / ₁₆	11 ¹ / ₈
	10 ¹ / ₂	8 ⁵ / ₈		15 ¹ / ₂	9 ⁵ / ₁₆	7 ⁷ / ₈		22 ¹ / ₂	14 ³ / ₄	11 ³ / ₈
11	9 ¹ / ₈	16	10 ¹ / ₁₆	8 ¹ / ₈	23	15 ¹ / ₈		11 ⁵ / ₈		
11 ¹ / ₂	9 ⁵ / ₈	16 ¹ / ₂	10 ³ / ₈	8 ³ / ₈	23 ¹ / ₂	15 ¹ / ₁₆		11 ⁷ / ₈		
12	10 ¹ / ₈				24	15 ¹ / ₁₆		12 ¹ / ₈		
					24 ¹ / ₂	16 ¹ / ₁₆		12 ³ / ₈		
					25	16 ¹ / ₂		12 ⁵ / ₈		
					25 ¹ / ₂	16 ³ / ₁₆		12 ⁷ / ₈		
					26	17 ¹ / ₁₆		13 ¹ / ₈		
					26 ¹ / ₂	17 ¹ / ₂		13 ³ / ₈		
					27	17 ¹ / ₁₆		13 ⁵ / ₈		

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.

ASSEMBLY PROCEDURE:

TO INSTALL FUEL TRANSMITTER FOR FUEL LEVEL GAUGE SEG-1001 PROCEED AS FOLLOWS:

- 1.0 AFTER DETERMINING WHICH TRANSMITTER IS SUITABLE FOR INSTALLATION, 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 TRANSMITTERS SGA-27 AND SGA-28, AND LENGTH "C" FOR TRANSMITTER SGA-29.
 - 3.1 ADJUSTMENT OF LENGTH "A" OR "C": BEND FLOAT ARM TO 90° ANGLE AT SPECIFIED DISTANCES FROM PIVOT POINT—SEE TABLES.
 - 3.2 ADJUSTMENT OF LENGTH "B": LOOSEN SHAFT COLLAR AND ADJUST SHAFT TO SPECIFIED LENGTH BEFORE TIGHTENING COLLAR. 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 SGA-30 GASKET KIT AT MOUNTING HOLE IN FUEL TANK, TIGHTEN ALL FASTENERS AND CONNECT FUEL TRANSMITTER SENDER TO PROPER FUEL GAUGE TERMINAL.