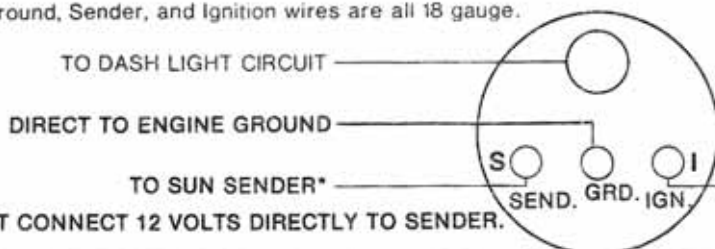


Sun ELECTRIC CORPORATION

INSTALLATION INSTRUCTIONS

CAUTION — DISCONNECT BATTERY GROUND CABLE WHEN MAKING ELECTRICAL CONNECTIONS TO METER AS SHOWN IN WIRING DIAGRAMS (SEE ASSEMBLY PROCEDURE).

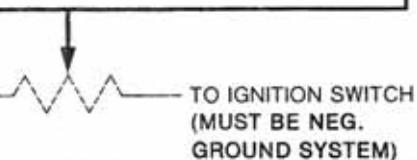
NOTE: Ground, Sender, and Ignition wires are all 18 gauge.



ILLUMINATED ELECTRICAL TWO-INCH GAUGES

SEG-1001 FUEL LEVEL GAUGE
SEG-1002 WATER TEMP. (60-240°)
SEG-1003 WATER TEMP. (100-280°)
SEG-1004 OIL TEMP. (100-340°)
SEG-1005 OIL PRESSURE (0-100 PSI)

NOTE: IF VEHICLE IS NOT A 12 VOLT SYSTEM, A DROPPING RESISTOR MUST BE PLACED IN THE CIRCUIT AT THIS POINT (SEE ASSEMBLY PROCEDURE).



PART NO.	DESCRIPTION	GAUGE MODEL NO.				
		1001	1002	1003	1004	1005
SGA-10	Triple Gauge Mounting Panel	•	•	•	•	•
SGA-11	Double Gauge Mounting Panel	•	•	•	•	•
SGA-12	Single Gauge Mounting Panel	•	•	•	•	•
SGA-15	Adapter Bushings For SGA-25-1		•	•	•	
SGA-20	Tee Adapter Kit					•
SGA-22	Replacement Light Kit	•	•	•	•	•
SGA-25-1	Water/Oil Temperature Sender		•	•	•	
SGA-26	Oil Pressure Sender					•
SGA-27	Fuel Level Transmitter — Depth 17-27"	•				
SGA-28	Fuel Level Transmitter — Depth 10-16"	•				
SGA-29	Fuel Level Transmitter — Depth 5-12"	•				
SGA-30	Replacement Fuel Level Transmitter Gasket Kit	•				
SGA-31	Oil Pan Temperature Sender				•	
SGA-328	Metric Adapter — 1/8 NPT to M14 x 1.5 mm.		•	•	•	•
SGA-329	Metric Adapter — 1/8 NPT to M16 x 1.5 mm.		•	•	•	•
SGA-331	Metric Adapter — 1/8 NPT to M10 x 1 mm.		•	•		•
SGA-332	Metric Adapter — 1/8 NPT to M12 x 1 mm.					•
SGA-334	Adapter — 1/8 NPT to 28 BSP					•
SGA-582	Dropping Resistor — 24/32 Volt to 12 Volt	•	•	•		
SGA-583	Dropping Resistor — 24/32 Volt to 12 Volt				•	•

ASSEMBLY PROCEDURE FOR SEG-1001-1005 (FOR DETAILED INSTALLATION INSTRUCTIONS ON FUEL LEVEL TRANSMITTERS — SEE PAGE 2.)

- 1.0 WHEN INSTALLING GAUGES PLEASE REFER TO THE TABLE ABOVE FOR SENDER MODEL AND OTHER NECESSARY ACCESSORIES.
- 2.0 ALL GAUGES LISTED ABOVE REQUIRE 2 1/16" DIA. MOUNTING HOLE IN DASHBOARD OR OTHER DESIRED LOCATION (UNLESS OPTIONAL MOUNTING PANEL IS USED.)
- 3.0 USE 18 GAUGE WIRE TO CONNECT GROUND, SENDER AND IGNITION WIRES AS SHOWN ON CIRCUIT DIAGRAM.

CAUTION: DISCONNECT BATTERY GROUND CABLE TO AVOID ACCIDENTAL GROUNDING OF ELECTRICAL SYSTEM WHILE MAKING ELECTRICAL CONNECTIONS TO THE GAUGE.

4.0 IF THE VEHICLE IS NOT A 12 VOLT SYSTEM, A DROPPING RESISTOR MUST BE PLACED IN THE CIRCUIT BETWEEN THE IGNITION SWITCH AND APPROPRIATE TERMINAL POST. (SEE LISTING ABOVE)

5.0 REMOVE ORIGINAL OIL PRESSURE AND/OR WATER TEMPERATURE SENDERS AND REPLACE WITH APPROPRIATE SUN ELECTRIC SENDERS.

NOTE: SGA-15 ADAPTER KIT IS REQUIRED TO ADAPT WATER TEMPERATURE SENDER TO PROPER THREAD SIZE OF ENGINE BLOCK SENDER HOLE (IF OTHER THAN 1/8-27 N. P. THREAD).

6.0 THE SENDING UNIT MAY BE INSTALLED IN THE SAME HOLE FROM WHICH THE WARNING LIGHT SENDER IS REMOVED.

6.1 THE SGA-20 TEE ADAPTER KIT WILL STILL ALLOW OPERATION OF THE WARNING LIGHT.