

OIL TEMPERATURE GAUGE KIT INSTALLATION PROCEDURE



Image of Oil Temperature Gauge.

CAUTION: Read instructions thoroughly before proceeding with installation. Do not deviate from wiring instructions. Incorrect wiring could cause electric short and possible fire. Always disconnect positive lead from battery before making any electrical connections.

DASH MOUNTING:

1. If no holes exist, select a mounting location which is visible from the driver's position. Cut a 2 to 1/8 inch (54 millimeters) diameter hole.
2. Insert a gauge into mounting hole and install "U" bracket, washers, and nuts as per Figure 1.

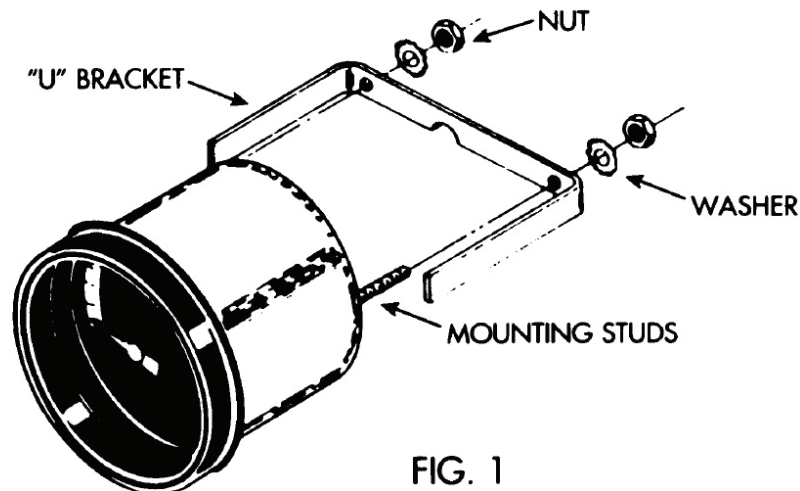


Figure 1. Illustration of Dash and Bracket mounting.

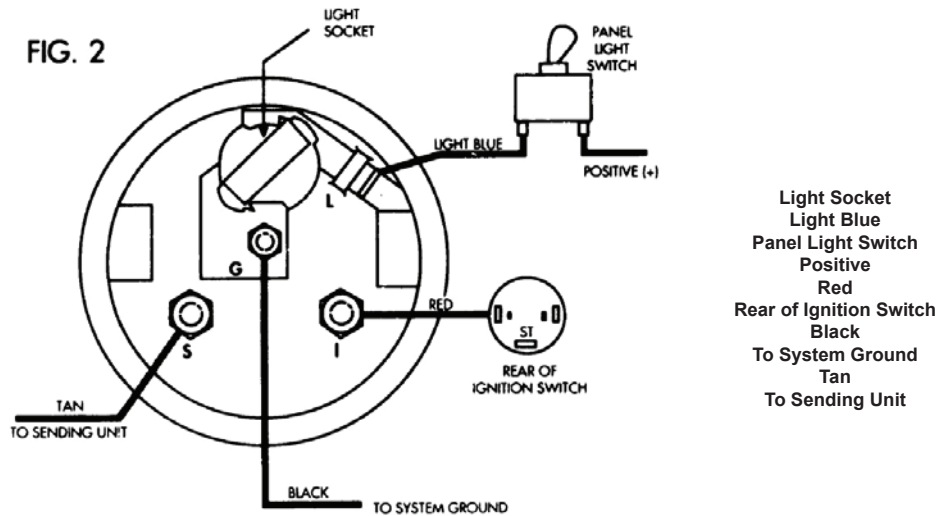
FIG. 1

BRACKET MOUNTING

1. Select a mounting location which is visible from the driver's position.
2. Mark mounting holes using the bracket as a template.
3. Drill two 1/8 inch mounting holes.
4. Attach bracket with sheet metal screws.
5. Insert gauge into mounting bracket and install "U" bracket, washers, and nuts as per Figure 1.

CAUTION: Overtorquing of nuts may crack gauge housing or mounting panel.

Figure 2. Illustration of wiring connections.



CONNECTION OF WIRING: (See Figure 2):

Connect wiring to gauge terminals using washers and nuts supplied.

1. Using a ring terminal, connect the black wire from “G” terminal of gauge to vehicle ground.
2. Using a splicer connector, connect the red wire from “I” terminal of gauge to a key-on 12 volt source.
3. Connect the tan wire to “S” terminal of gauge.
4. Using a splicer connector, connect the light blue wire from “L” terminal of gauge to the panel light switch.

SENDING UNIT INSTALLATION:

General: The oil temperature gauge is provided with a bulk-head style fitting that allows the sending unit to be located in the transmission pan. This fitting also functions as a drain plug for oil pans that did not previously have one. Since removal of the oil pan is necessary to install the fitting, we recommend the use of a new pan gasket. This is also a good time to change the transmission filter and fluid.

1. Drain fluid if possible. Remove transmission pan.
2. Select a location in the pan to install the fitting that will not interfere with the valve body and allows all the fluid to drain. Choose a location that will not place the sender unit near any exhaust pipes as this will cause inaccurate (high) gauge readings. The best location is usually on the back of the pan. This position also avoids having airflow over the sending unit that will cause inaccurate (low) readings.
3. Mark the location for fitting installation. Drill a 29/64 inch (.453 inches) hole. Deburr and remove all metal chips.
4. Clean oil pan and remove old gasket if required.
5. Slide sealing washer over hollow insert, push insert through hole drilled in oil pan and secure with a 3/4 inch nut. Sealing washer must be on the outside of the oil pan.
6. Screw sending unit into fitting.
7. (Optional) Replace transmission filter. Reinstall oil pan and torque bolts as per manufacturer’s instructions.
8. Refill transmission with fluid
9. Using a ring terminal, connect the tan wire from gauge to the sending unit.

Figure 3. Illustration of how to connect the tan wire.

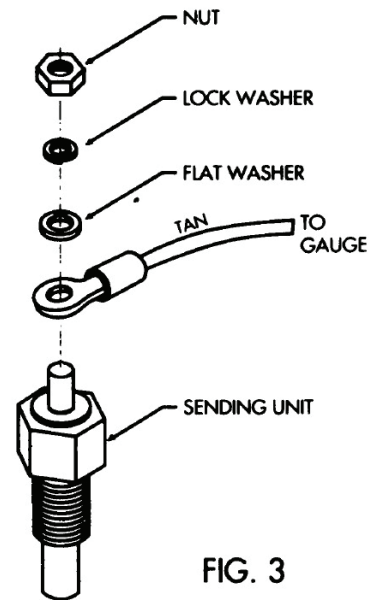


FIG. 3
Nut
Lock Washer
Flat Washer
Tan
To Gauge
Sending Unit

10. Secure sender wire to vehicle to avoid damage.

INSTALLATION TESTING:

1. Reconnect battery cable to positive terminal of battery.
2. Start vehicle. Check fluid level as per manufacturer's instructions.
3. Check for fluid leaks around oil pan and fitting.
4. Insure all electrical connection are secure and that wires do not interfere with any moving parts.
5. Drive vehicle and test check gauge for proper operation.