



INSTALLATION INSTRUCTIONS TEMPERATURE GAUGE PART # 13009

Please read these instructions completely before beginning installation

KIT CONTENTS

QTY.	DESCRIPTION	QTY.	DESCRIPTION
1	Temperature Gauge	3	6-32 Mounting Nuts & Washers
1	Gauge mounting Bezel	1	Temp Sender
1	Gauge mounting Bracket	1	Jam Nut
2	10-32 Mounting Nuts & Washers	1	Nylon Washer
1	10-32 Temp Sender Nut & Washer	1	Temp Sender Pan Adapter

TOOLS NEEDED

Center Punch	6mm Nut Driver
1/2" Drill Bit	8mm Nut Driver
Deburring Tool	12mm Wrench
Teflon Tape	(2) 3/4" Wrenches

TEMPERATURE SENDER INSTALLATION

OPTION 1 - Pan Installation (See Diagram #1)

The Temperature Sender is designed to mount on the oil pan with the included Temp Sender Pan Adapter Kit. The oil pan must be removed to install this option.

Note: The Temperature Sender can also be used as a drain plug if necessary.

Important: Temperature Sender location should avoid hot exhaust and other possible obstructions. Be sure there is adequate internal clearance for Jam Nut and Temp Sender before drilling. We recommend mounting the Temperature Sender on the side of the pan therefore not compromising ground clearance (See Diagram #1).

1. Once you have determined the location of the Temp Sender, use a marker to identify drilling location. (See Diagram #1)
2. Using a center punch, carefully indent the drilling location.
3. Using a drill & 1/2" drill bit, drill hole into the pan. Deburring may be necessary.
4. Install the Temp Sender Pan Adapter onto the pan, making sure the Jam Nut is on the inside of the pan and the Nylon Washer and the Temp Sender Pan Adapter is on the outside of the pan (See Diagram #1).
5. Using two 3/4" open end wrenches, tighten securely.
6. Using Teflon Tape or suitable sealant, install Temp Sender into the Temp Sender Pan Adapter.

Note: Always hold adapter body with a wrench when tightening sender.

OPTION 2 - Vehicle Port Installation (See Diagram #2)

1. Locate a port on the vehicle, **generally** found on the vehicles radiator, manifold or water outlet.
2. Using Teflon Tape or suitable sealant install the Thermostat Switch into the port on the vehicle.

GAUGE INSTALLATION

1. Identify the best location for mounting the Temperature Gauge.
2. Using the Gauge Mounting Bezel as a template, mark, drill and mount in the proper location. (See Diagram #3)
3. Install the Temperature Gauge into the Gauge Mounting Bezel. Using the Gauge Mounting Bracket and 10-32 Mounting Nuts and Washers tighten the Temperature Gauge into place.

WIRING

(See Diagram #4)

1. Connect an 18 gauge wire to the Temp Sender now mounted on the vehicle.
2. Using a grommet (Not supplied) route the wire through the firewall and into the passenger compartment where the Temperature Gauge is mounted.
3. Attach the Temp Sender wire to the terminal marked (S) on the gauge.
4. Attach an 18 gauge wire to the terminal marked (-) on the gauge, then attach the other end of the wire with the black wire coming from the gauge light to a suitable chassis ground.
5. Attach an 18 gauge wire to the terminal marked (+) on the gauge, then attach the other end of the wire with the red wire coming from the gauge light to a 12V Switched Ignition source.

Note: Red Gauge Light wire can be connected to dash lights if desired.

Diagram #1

OPTION 1

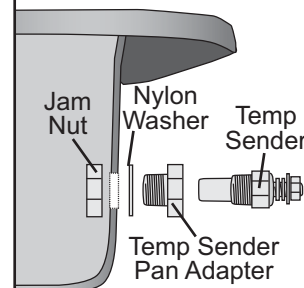


Diagram #2

OPTION 2

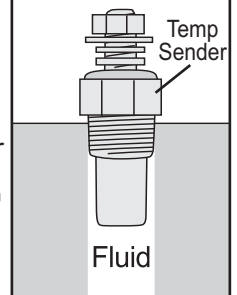


Diagram #3

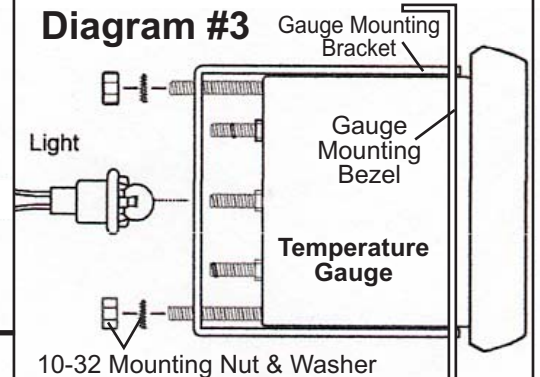
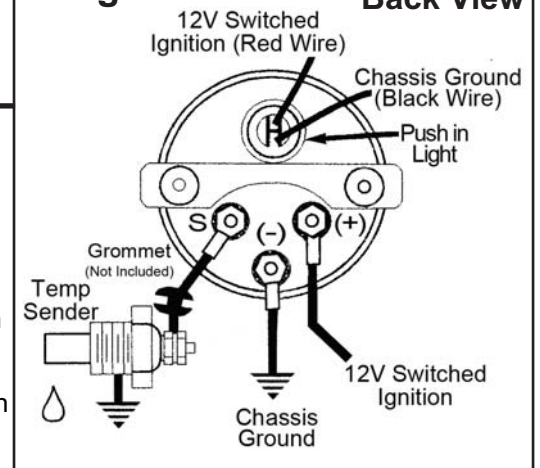


Diagram #4

Back View



Warning: Installation of accessories should only be undertaken by those with mechanical knowledge and are familiar with working on vehicles. Always use eye protection (goggles, safety glasses or shield). Park the vehicle in a well lit area, on level ground and apply the parking brake. Only work on a cold vehicle that has been sitting overnight, failure to do so will result in severe burns and injury. Before starting the vehicle, make sure no tools or any other items are left under hood that could interfere with or be drawn into moving parts of the engine. Failure to follow instructions can lead to severe damage and personal injury.