

INSTALLATION INSTRUCTIONS

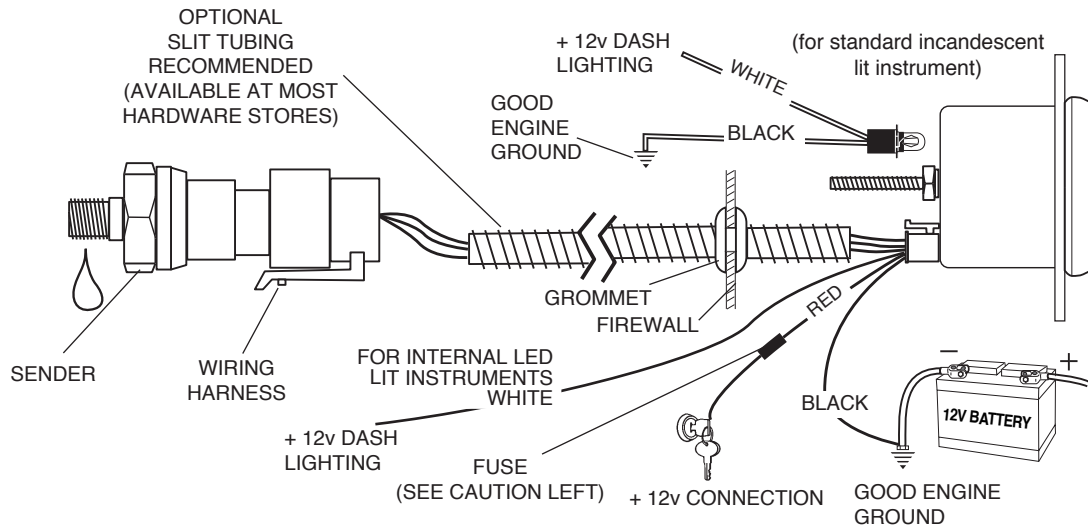
FULL SWEEP ELECTRIC PRESSURE GAUGES

WITH WARNING LIGHT AND PEAK RECALL

2650-1233-00
Rev. A



Use teflon sealing compound sparingly where symbol indicates. (Tape not recommended on these threads.)



CAUTION!

As a safety precaution, the +12V terminal of this product should be fused before connecting to the 12V ignition switch. We recommend using a 1 Amp, 3AG fast-acting type cartridge fuse (Littlefuse® # 312 001 or an equivalent).

NOTE: When the ignition is off the pointer may not always rest at zero.

Installation - Fuel & Oil Pressure

WARNING:

The fuel system is pressurized and often retains this pressure for an extended period of time. Properly vent your fuel system before installing the fuel pressure sender. If you are not familiar with the proper method of venting, you **MUST** have this done by an experienced mechanic.

1. Check that you have all parts required for installation, and the engine is cool.
2. Disconnect the negative (-) battery cable.
3. Gauge mounts in a 2 $\frac{5}{8}$ " hole for 2 $\frac{5}{8}$ " gauges, and a 2 $\frac{1}{16}$ " hole for 2 $\frac{1}{16}$ " gauges. Use supplied brackets and nuts to secure gauge to dash.
4. Drill 1" diameter hole where wires pass through sheet metal (such as firewall) and install rubber grommet provided. (Grommet will require slit.)
5. Connect the white wire to dash lighting or switchable 12v light source, the red wire to switched +12V source and the black wire to ground. (see diagram for details)

WARNING: Not compatible with Nitromethane, Methanol, or 100% MTBE.

6. [For oil pressure gauge installation, an optional 1/4" NPT adapter is included. For fuel pressure gauge, install the 1/8" NPT pressure sender into the fuel system (See warning in next column). For Ford fuel injected applications with a Schrader valve in the fuel rail, use adapter 3280 between the fuel rail and pressure sender.]
If unit is to be installed on a high vibration application such as a full race engine or engine capable of high RPM, it is strongly recommended that the sender be remote mounted to either the fenderwell or firewall, to insulate from vibration. **Failure to remote-locate pressure senders on such an application could result in gauge failure and potential damage to vehicle and/or operator injury.** Braided stainless steel lines are sold separately by Auto Meter, and can be used to accomplish this.
7. Reconnect negative (-) battery cable.

NOTE: Test all fittings and hoses for any leakage. If any leaks are detected, determine the cause of the leak and repair. Do not operate vehicle if any leaks are detected.

CAUTION:

If you will be working with the fuel system, take care to insure no sparks or flames occur. Do not smoke while installing the fuel pressure sender.

Power-Up

The pointer will move backward to the stop pin and then move to the zero box. This procedure is an auto-calibration function and is performed on every power-up. While this test is being performed, the gauge may make a clicking sound. This is normal.

Warning Indicator

To adjust the warning set point, momentarily press and release the WARN button. The warning light will begin to flash and the pointer will move to the previous set point signifying that warning set mode has been selected. Once in set mode, press the WARN button to move the pointer down, or press the PEAK button to move the pointer up. Warning set points can only be set in the pressure range. Three seconds after the last button press, the warning light will stop blinking and the pointer will return to the current pressure reading. The warning set point is retained when power is removed from the gauge.

Peak Recall

Press and hold the PEAK button to recall the highest pressure reading since the memory was last cleared. To clear the memory, press and hold the PEAK button, and while still holding the PEAK button, press the WARN button. The pointer will move to 0 psi to indicate that the memory has been cleared. Release the PEAK and WARN buttons to resume normal operation. The peak recall point is retained when power is removed from the gauge.

Data Logger Output

This gauge is equipped to output the sensor signal to an Auto Meter Data Logger. This feature allows you to use the same sensor for both the gauge and the data logger. With this gauge it is no longer necessary to install two sensors to measure the same function. To use this feature, you must have an Auto Meter Data Logger installed in the vehicle and purchase a cable kit (Model #9420) to connect the gauge to the Data Logger. Pins number 4 & 10 (see illustration to right) in the connector on the back of the gauge are the sensor signal and ground that must be connected to the data logger. After connecting the gauge to the data logger, the data logger must be calibrated to the sensor. Instructions for wiring and calibration are included with the cable kit.

