INSTALLATION INSTRUCTIONS
EXTREME ENVIRONMENT GAUGE (EEG)
FULL SWEEP ELECTRIC PRESSURE GAUGE

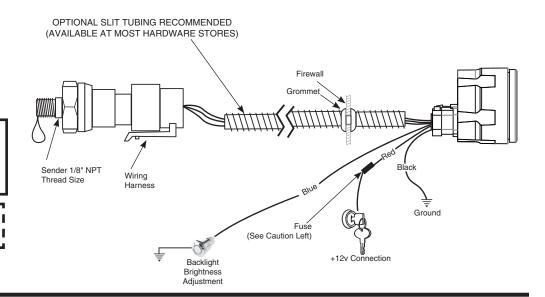2650-1920-77

IMPORTANT
WEAR SAFETY GLASSES

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

OPTIONAL SLIT TUBING RECOMMENDED (AVAILABLE AT MOST HARDWARE STORES)

CAUTION!
As a safety precaution, the red wire of this product should be fused before connecting to the 12V ignition switch. We recommend using a 3 AMP automotive type fuse.

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

Firewall
Grommet
Sender 1/8" NPT Thread Size
Wiring Harness
Red
Black
Blue
Ground
Fuse (See Caution Left)
+12v Connection
Backlight Brightness Adjustment

Installation

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"1⁄16" hole. Use supplied bracket 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 blue wire to switched ground for peak recall, the red wire to switched +12V source and the black wire to ground. (see diagram for details)

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 caution below). 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 AutoMeter, 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 counter clockwise to the lowest tick mark and then moves to the current gauge reading. 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.

Full Dial Warning

This gauge features full dial warning. When a warning point is reached, the entire dial illuminates red. In addition, the dial illumination will flash red when an over warn point is reached. The warning points for this gauge are set as follows:

Oil Pressure

The low warning value for the Oil Pressure gauge has a preset value of 10 PSI. At 10 PSI or less, the dial will illuminate red. The low under warn for the Oil Pressure gauge has a preset value of 7 PSI. At 7 PSI or less, the dial will blink red.

Fuel Pressure

The low warning value for the Fuel Pressure gauge has a preset value of 4 PSI. At 4 PSI or less, the dial will illuminate red. The low under warn for the Fuel Pressure gauge has a preset value of 3 PSI. At 3 PSI or less, the dial will blink red.

Water Pressure

The low warning value for the Water Pressure gauge has a preset value of 4 PSI. At 4 PSI or less, the dial will illuminate red. The low under warn for the Water Pressure gauge has a preset value of 3 PSI. At 3 PSI or less, the dial will blink red.

Backlight Brightness

During normal operation, the backlight brightness is fixed. The gauge allows five preset backlight brightness settings. The default brightness is 75% of maximum. To change the brightness:

1. While the gauge is powered OFF, hold the blue wire to ground.
2. Apply power to the gauge and wait for the pointer to zero and move beyond full scale. The pointer will be pointing straight down at center bottom of the dial.
3. Release the blue wire from ground.
4. Switch the blue wire to ground momentarily to cycle through the five brightness settings.
5. The five options are 0% (OFF), 25%, 50%, 75% or 100% of maximum.
6. Once the desired brightness is selected release the blue wire from ground.
7. After 5 seconds, the gauge shall flicker white indicating the brightness value has been saved.
8. The gauge then returns to normal operation.