EXTREME ENVIRONMENT GAUGE (EEG)
FULL SWEEP ELECTRIC TEMPERATURE GAUGE

2650-1906-77 Rev. A

IMPORTANT

WEAR SAFETY GLASSES

USE TEFLON SEALING TAPE OR SEALING COMPOUND ON PIPE THREADS

OPTIONAL SLIT TUBING RECOMMENDED
(AVAILABLE AT MOST HARDWARE STORES)

Grommet   Firewall

Sender 1/8" NPT Thread Size

Wiring Harness

Red

Blue

Black

Fuse (See Caution Left)

Ground

+12v Connection

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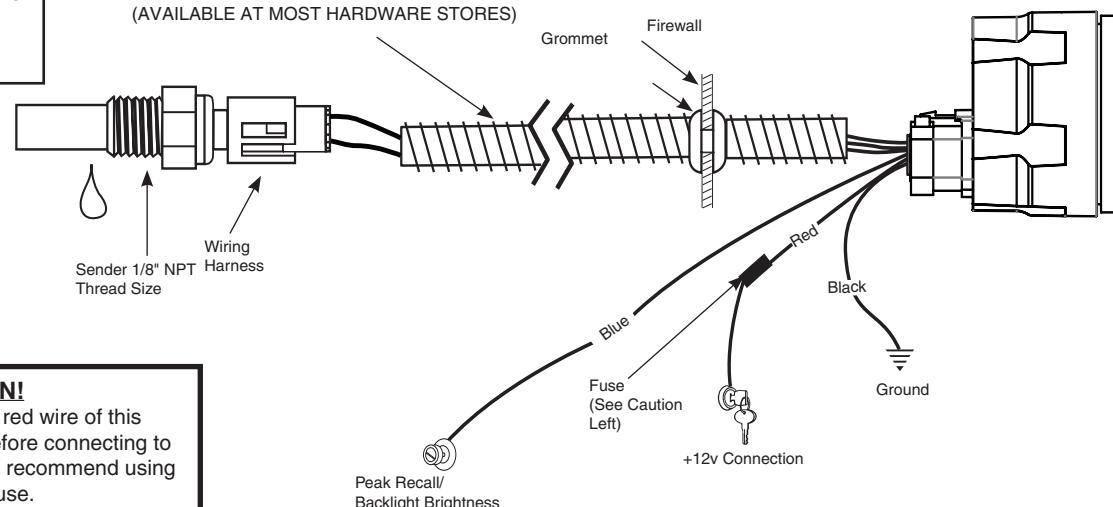
CAUTION!
As a safety precaution, the red wire of this product should be fused before connecting to the 12V ignition switch. We recommend using a 3 AMP automotive type fuse.

Installation

NOTE: Some late model vehicles use electronic sensors in their pressure and temperature senders for engine control functions. Before removing the original sender, we recommend that you contact your automotive dealer to be sure no critical functions will be disrupted.

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. Install temperature sender.
   Note: Included sender is 1/8" NPT. For 3/8" NPT or 1/2" NPT ports, use included adapter.
7. Cut end of included dielectric grease packet, and squeeze grease into connector of temperature sender prior to

connecting harness. (Important: This will protect connection from dirt and moisture.)
8. Reconnect negative (-) battery cable.

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

Caution: LUBRIPLATE® DS-ES is a non-hazardous substance. However, it is recommended to wash hands thoroughly after use.

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

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.

Peak Recall

Switch the blue wire to ground momentarily to recall the highest temperature reading since the memory was last cleared. The **PEAK** value will be displayed for five seconds. After five seconds, the gauge returns to normal operation. To clear the memory, hold the blue wire to ground for two seconds while the **PEAK** value is displayed. The dial will flicker white to indicate that the value has been cleared. The **PEAK** recall value is retained when power is removed from the gauge.

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:

Water Temperature

The high warning value for the Water Temperature gauge has a preset value of 230°F. At 230°F or greater, the dial will illuminate red. The high over warn for the Water Temperature gauge has a preset value of 240°F. At 240°F or greater, the dial will blink red.

Oil Temperature

The high warning value for the Oil Temperature gauge has a preset value of 260°F. At 260°F or greater, the dial will illuminate red. The high over warn for the Oil Temperature gauge has a preset value of 280°F. At 280°F or greater, 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 Peak Recall 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 Peak Recall wire from ground.
4. Switch the blue Peak Recall 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 Peak Recall 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.

FOR SERVICE SEND TO: **AUTO METER PRODUCTS, INC.** 413 W. Elm St., Sycamore, IL 60178 USA (866) 248-6357
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http://www.autometer.com
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