Auto Meter COMPETITION INSTRUMENTS®

2650-621B

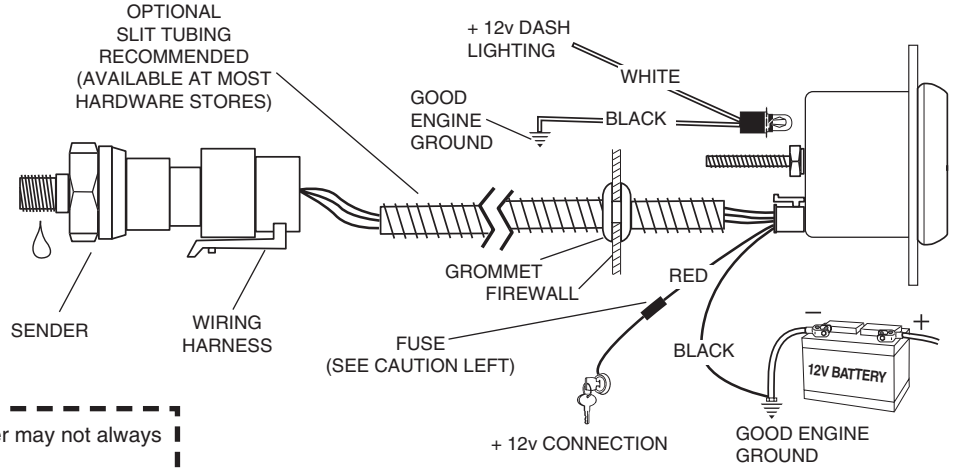
INSTALLATION INSTRUCTIONS

FULL SWEEP ELECTRIC PRESSURE GAUGES

IMPORTANT WEAR SAFETY GLASSES

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 2⅝" hole for 2⅝" gauges, and a 2 1/16" hole for 2 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.)

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.

5. Connect the white wire to dash lighting or switchable 12v light source, and the Black wire to a good ground.
6. [**For oil pressure gauge** installation, an optional ¼" NPT adapter is included. **For fuel pressure gauge**, install the ⅛" 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.

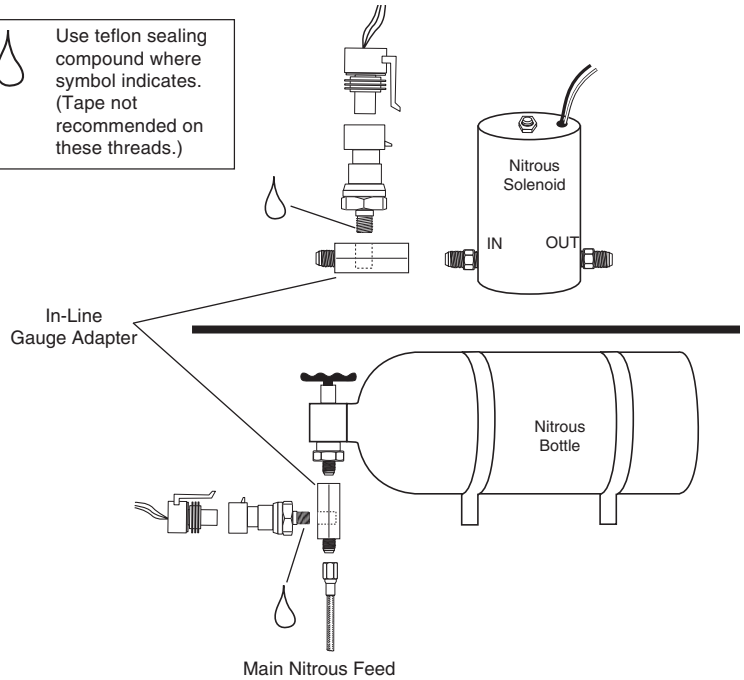
WARNING: Not compatible with Nitromethane, Methanol, or 100% MTBE.

Installation - Nitrous Pressure

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 2⅝" hole for 2⅝" gauges, and a 2 1/16" hole for 2 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.
5. Connect the white wire to dash lighting or switchable 12v light source, and connect the black wire to a good ground.
6. **Make sure the nitrous bottle valve is closed and there is no pressure in the system.**
7. Remove the main nitrous feed line from the bottle or the nitrous solenoid. Install the in-line gauge adapter (e.g. NOS part #16770 or #16771) either on the nitrous bottle or nitrous solenoid. Re-install the main nitrous feed line. Install pressure sender and wiring harness. For mounting off bottle in rear of car, use 20' sender harness model 5223.
8. Open the nitrous bottle valve.

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.

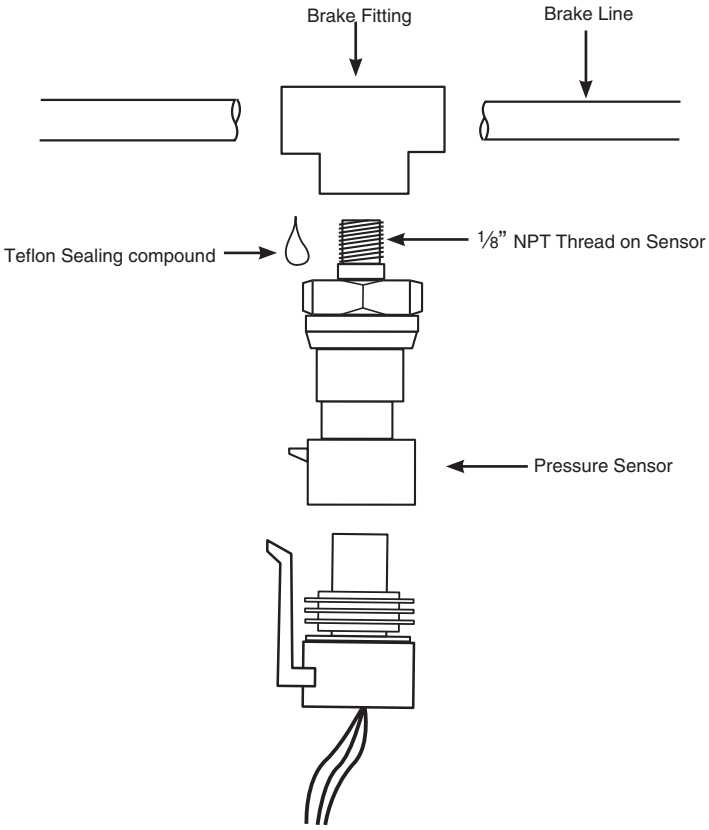
Use teflon sealing compound where symbol indicates. (Tape not recommended on these threads.)



Installation - Brake Pressure

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 2⅝" hole for 2⅝" gauges, and a 2 1/16" hole for 2 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.
5. Connect the white wire to dash lighting or switchable 12v light source, and connect the black wire to a good ground.
6. **If you are not familar with proper brake system bleeding procedures, do not install this gauge. Have a qualified mechanic do it for you.**
7. Locate a ⅛"-27 NPT port in your brake system in a location where you would like to measure brake pressure. If no port is available, you will need to install a tee fitting in the brake line you want to measure.
   Only use fittings that are approved for use in brake systems.
8. Install the pressure sensor in the ⅛"-27 NPT port using a Teflon thread sealing compound.
9. Bleed the brake system using standard brake bleeding procedures.
   Again, if you are not familiar with proper brake system bleeding procedures, do not install this gauge. Have a qualified mechanic do it for you.

Note: Install sensor with electrical connector facing down to allow any air in the sensor to escape during bleeding.

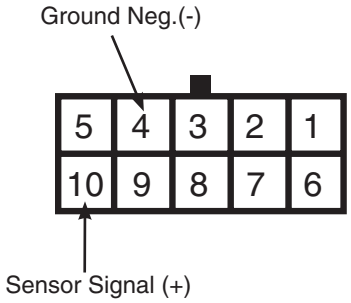


Power-Up

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.

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.



(Back of Gauge)

SERVICE

For service send your product to Auto Meter in a well packed shipping carton. Please include a note explaining what the problem is along with your phone number. Please specify when you need the product back. If you need it back immediately mark the outside of the box "RUSH REPAIR," and Auto Meter will service product within two days after receiving it. ($10.00 charge will be added to the cost of "RUSH REPAIR.") If you are sending product back for Warranty adjustment, you must include a copy (or original) of your sales receipt from the place of purchase.

12 MONTH LIMITED WARRANTY

Auto Meter Products, Inc. warrants to the consumer that all Auto Meter High Performance products will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12 month warranty period will be repaired or replaced at Auto Meter's option to the consumer, when it is determined by Auto Meter Products, Inc. that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of parts in the Auto Meter instruments. In no event shall this warranty exceed the original purchase price of the Auto Meter instruments nor shall Auto Meter Products, Inc. be responsible for special, incidental or consequential damages or costs incurred due to the failure of this product. Warranty claims to Auto Meter must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12 month warranty period. Breaking the instrument seal, improper use or installation, accident, water damage, abuse, unauthorized repairs or alterations voids this warranty. Auto Meter Products, Inc. disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by Auto Meter.

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