

# INSTALLATION INSTRUCTIONS

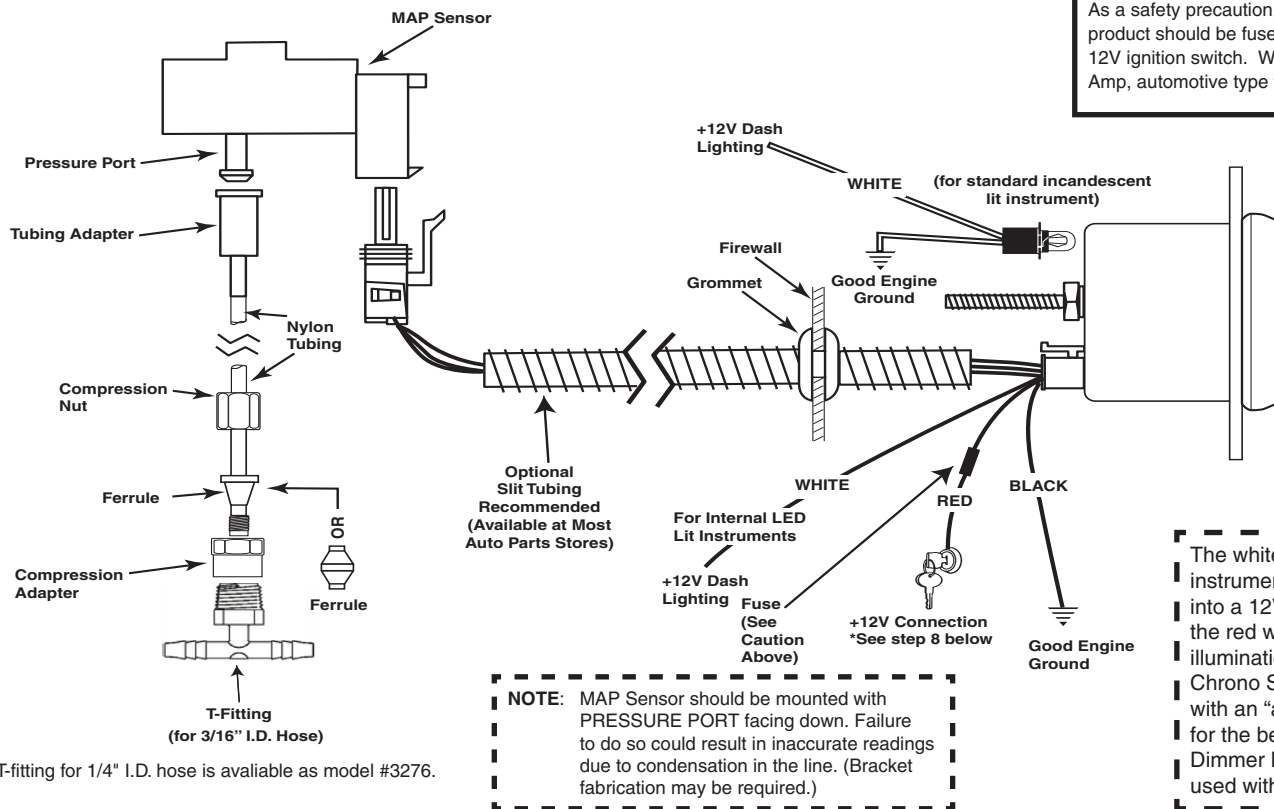
## ELECTRIC BOOST/VAC GAUGE

2650-1659-00 Rev. A



### 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 3 Amp, automotive type fuse



A T-fitting for 1/4" I.D. hose is available as model #3276.

**NOTE:** MAP Sensor should be mounted with PRESSURE PORT facing down. Failure to do so could result in inaccurate readings due to condensation in the line. (Bracket fabrication may be required.)

The white wire on LED lit instruments can also be wired into a 12V key on ignition, like the red wire, for an "always on" illumination. Some styles, like Chrono Series, were designed with an "always on" illumination for the best results. The 9114 Dimmer Module can also be used with either configuration.

## Installation

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 1/8" hole. 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. Securely mount the MAP sensor to the firewall or inner fender with pressure port facing down. (Bracket fabrication may be required.)
6. Install T-Fitting in a manifold vacuum hose. Attach one end of the nylon tubing to the T-Fitting using the compression adapter. Connect the other end of the nylon tubing to the MAP sensor with the tubing adapter. A T-fitting for 1/4" I.D. hose is available as model #3276.
7. Connect the white wire to dash lighting or switchable 12v light source.
8. Connect the red power wire to a switched +12 volt source **that maintains power during engine cranking**. Most vehicles break the electrical connection to accessories while the engine is being started. If the boost gauge is connected to one of these circuits, the auto zero function will not work properly and inaccurate readings will result. To determine whether a switched source maintains power during starting, look for electrical accessories in the vehicle that remain on while the engine is being started. Connect the red power wire to the same circuit that powers one of these accessories. The connection can be tested by turning the key switch from off to on, the pointer will move backward to the stop pin and then move to zero. Once the pointer has reached zero, start the engine. If the pointer reads vacuum without returning to the stop pin, a suitable connection has been found. If the pointer moves to the stop pin and then reads vacuum, another power circuit must be found.

## 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. Electronic Boost/Vac gauges are equipped with an auto zero function used to compensate for operation at varying altitudes. This function takes a pressure reading during the time that the key switch "flies through" from the ON position to the START position. The reading represents 0 pressure and is used to set the zero point on the gauge each time the engine is started.

## SERVICE

For service send your product to AutoMeter in a well packed shipping carton. Please include a note explaining what the problem is along with your phone number. 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

AutoMeter Products, Inc. warrants to the consumer that all AutoMeter High Performance products purchased from an Authorized AutoMeter Reseller 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 AutoMeter's option, when determined by AutoMeter that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of parts in the AutoMeter High Performance product and the necessary labor done by AutoMeter to effect the repair or replacement of the AutoMeter High Performance product. In no event shall AutoMeter's cost to repair or replace an AutoMeter High Performance Product under this warranty exceed the original purchase price of the AutoMeter High Performance Product. Nor shall AutoMeter Products, Inc. be responsible for special, incidental or consequential damages or costs incurred due to the failure of an AutoMeter High Performance Product. This warranty applies only to the original purchaser of the AutoMeter High Performance Product and is non-transferable. This warranty also applies only to AutoMeter High Performance Products purchased from an Authorized AutoMeter Reseller. 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. AutoMeter disclaims any liability for consequential damages due to the breach of any written or implied warranty on all products manufactured by AutoMeter Products, Inc. For a comprehensive listing of Un-Authorized AutoMeter Resellers please visit [www.autometer.com/autometerlocator/index/unauthorized](http://www.autometer.com/autometerlocator/index/unauthorized).

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