INSTALLATION INSTRUCTIONS
NEXUS TACHOMETER (Requires Module 6400, 6401 or 6700)
NEXUS SPEEDOMETER (Requires Module 6401 or 6700)

2650-1149-00 Rev. A

Auto Meter COMPETITION INSTRUMENTS®

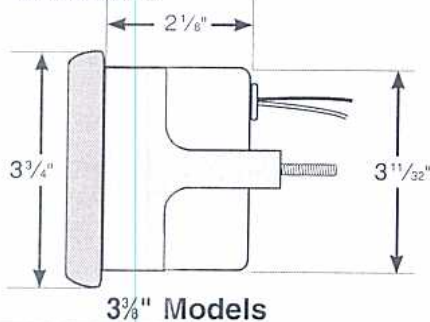**IMPORTANT** WEAR SAFETY GLASSES

QUESTIONS:

If after completely reading these instructions you have questions regarding the operation or installation of your instrument(s), please contact Auto Meter Technical Service at **815-899-0801**.
You may also email us at **service@autometer.com**.
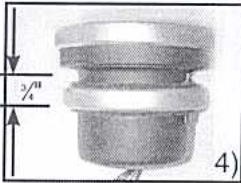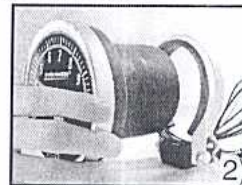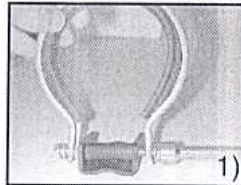Additional information can also be found at **http://www.autometer.com/tech_faq.aspx**

In-Dash Mounting

1. Mount a 3⅜" tachometer in a 3⅜" dia. hole in the dashboard. (Be careful not to cut the hole too large.)
2. Cut a ⅜" dia. hole in the firewall for the tachometer wires. Place a rubber grommet in the hole and route the connector wires through the grommet to the engine compartment.
3. Connect the tachometer and speed sensor wires as shown in the Wiring Section.
4. Secure the tachometer and/or speedo to the dashboard using the provided bracket and hardware.

← 2⅛" →
3¾"   3¹¹/₃₂"

3⅜" Models

Pedestal Mounting

1) Loosen both bolts holding the shock strap to the mounting foot. Back both bolts (⁵⁄₃₂" allen wrench) out until each is only one or two turns into the spacer.
2) Pass tach wires through shock strap assembly and slide tach casing into shock strap assembly.
3) Adjust tach and mounting base to desired positions (see figure 4 for recommended shock strap position), and tighten bolts (⁵⁄₃₂" allen wrench) holding mounting foot to shock strap to secure the assembly.
4) Make sure rubber section of shock strap seats properly to ensure proper fit. Check to make sure shock strap is approximately ¾" (0.750") between center line of strap and step of tachometer casing for best mounting.
5) The special design of the tachometer base allows for a variety of mounting possibilities. Attach the base using screws provided or use a pop rivet tool.

Note: Installation images shown may be different from your actual model.

Installation

1. Check that you have all parts required for installation, and the engine is cool.
2. Disconnect the negative (-) battery cable.
3. Tach and/or Speedo mount in a 3⅜" hole. If mounting in-dash, use the supplied threaded studs, mounting bracket and hardware to secure gauge to dash. Thread short end of threaded stud into the two holes in the back of the case until the hex flat is seated against the back of the case. DO NOT OVER-TIGHTEN.
4. Drill ⅜" diameter hole where wires pass through sheet metal (such as firewall) and install the provided rubber grommet.
5. Connect associated wiring and set switches:

Tach: Note: This product will only function with 8 channel Nexus Sender Module #6400, 12 channel Nexus Sender Module # 6401 or Nexus OBDII Module #6700.
- Connect loose Red wire coming from Tach connector harness to the same constant power source used by the Nexus Module. Place a 1 amp fuse in series on this line.
- Connect loose Black wire coming from Nexus sensor module harness to a good ground source (such as engine, chassis, or battery ground).
- Locate loose Green wire on Nexus sensor module harness. Connect this wire to tach output signal from electronic ignition/engine management, or to negative side of coil on traditional ignitions.
- Set pulse setting switches on sensor module as appropriate to your engine / ignition configuration. For more information about this procedure see the instruction manual for your Nexus Sensor Module.

Speedo: Note: This product will only function with 12 channel Nexus Sensor Module #6401 or Nexus OBDII module #6700.
- Connect loose Red wire coming from Speedo connector harness to the same constant power source used by the Nexus Module. Place a 1 amp fuse in series on this line.
- Connect loose Black wire coming from Speedo connector harness to a good ground source (such as engine, chassis, or battery ground).
- Locate loose White/Red, White/Black, White/Green, and White/Purple wires on Nexus sensor module Harness. Connect White/Green wire to signal wire from Vehicle Speed Sensor, or Auto Meter #5291 or #5292 pulse signal generator. If using an Auto Meter speedometer signal generator, connect White/Red wire to the generator power wire, and connect White/Black wire to the generator ground wire. If using on existing speed sensor in the vehicle, use the white/Purple wire to supply signal to vehicle ECM or other device requiring vehicle speed signal.
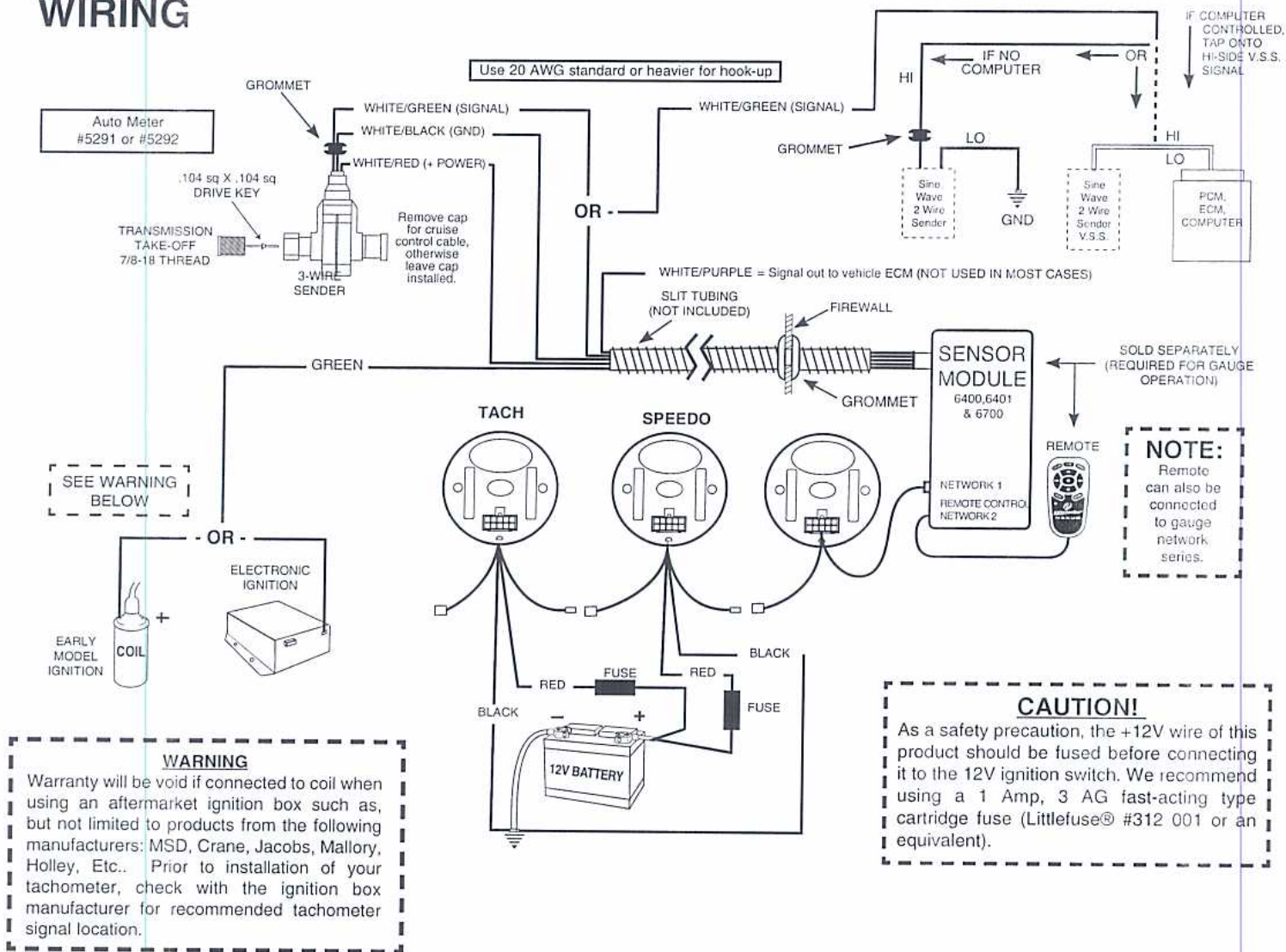
Speedometer Calibration Procedure:
- The user must press and hold the STOP on start up. When the lights light up on the remote, you should be able to release the STOP button.
- Opening ceremony is not done in this instance
- Pointer moves to full scale (3 o'clock)
- Odometer displays current Pulses Per Mile setting (default: 16,000)
- All other gauges should display their data
- During calibration mode, all other system features are disabled (i.e. Color Change, Dim, Demo, Peak, Warn, Record)
- Press FWD button at beginning of two mile distance
- Pointer moves to half scale while driving two miles and counting pulses
- Odometer displays current (and increasing) pulse count

- Press FWD button at the end of two miles distance
- Pointer moves to zero scale (6 o'clock)
- Speedo applies new calibration and immediatley moves to current speed reading if present (in motion)
- Press STOP button at any time to cancel the calibration procedure

6. If connecting tach or speedo in line with other gauges, use the supplied 12" wire harness, connecting the black connector to the back port on the tach or speedo and the white four-pin female connector to the mating white connector on the adjacent gauge wire harness.

If the gauge is the first in the series, use the 6' wire harness supplied with the Sensor Module Control and Remote Control. Plug the white four-pin female connector at one end of the wire harness to the port on the Sensor Module labeled "NETWORK" and the black connector at the other end to the back port on the tach or speedo.

7. Reconnect negative (-) battery cable.

WIRING

WARNING

Warranty will be void if connected to coil when using an aftermarket ignition box such as, but not limited to products from the following manufacturers: MSD, Crane, Jacobs, Mallory, Holley, Etc.. Prior to installation of your tachometer, check with the ignition box manufacturer for recommended tachometer signal location.

CAUTION!

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

Lens Cleaning

To prevent scratching the lens when cleaning, use a mild, soapy solution to clean. Wipe lightly with a soft cloth.

Note:

This tachometer and speedometer operates only with a Nexus sensor module.

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