Auto Meter COMPETITION INSTRUMENTS

2650-1417-00rD

INSTALLATION INSTRUCTIONS

NASCAR Pit Road Speed Tach

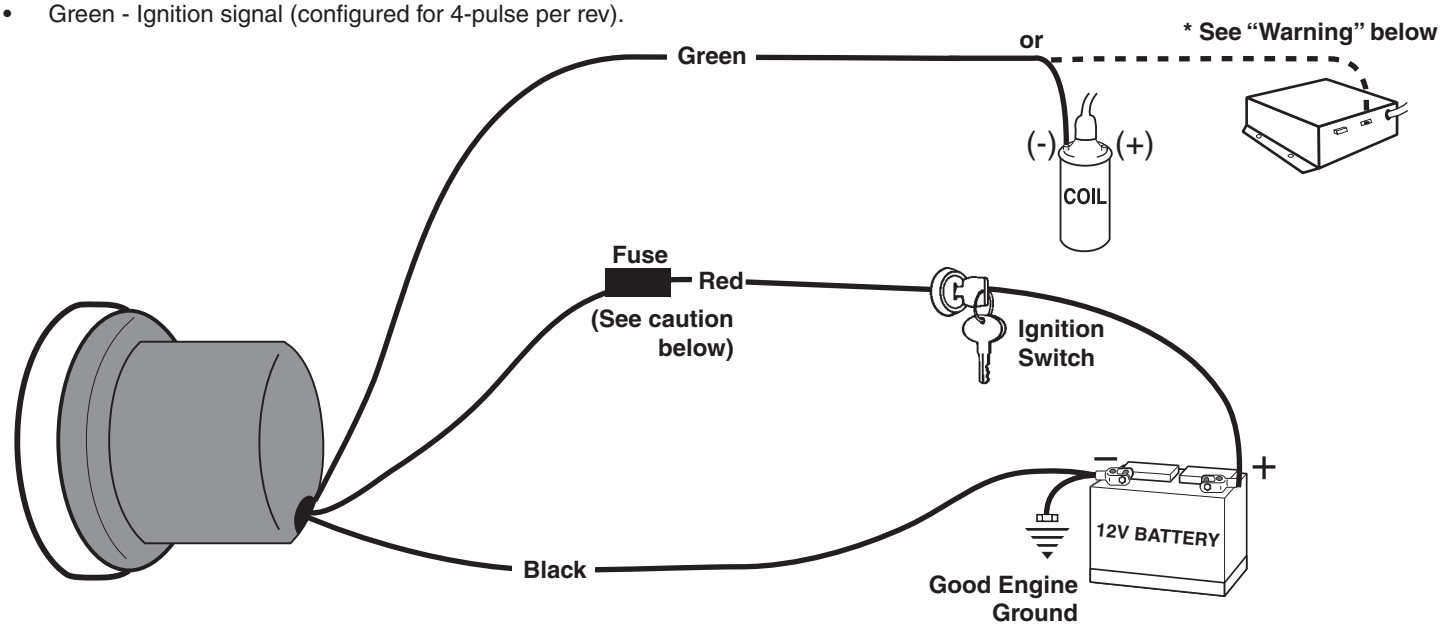
IMPORTANT WEAR SAFETY GLASSES

Wiring

The wires are connected as follows:

- Black - Negative (ground) battery connection.
- Red - Switched power from the battery.
- Green - Ignition signal (configured for 4-pulse per rev).

NOTE: This product requires purchase of PIC (9119) for custom and accurate programming of the Pit Road Speed RPM bands.



CAUTION!!!

As a safety precaution the RED wire of this product should be fused before connecting it to the positive (+) side of switched power source. We recommend using a 4 Amp, 3AG fast-acting type cartridge fuse (Littlefuse® #312 004 or an equivalent) inline with the RED wire of our product for tachs that use a Shift-Lite. For tachs without a Shift-Lite we recommend using a 1Amp 3 AG fast-acting type cartridge fuse (Littlefuse® #312 001 or an equivalent).

* 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.

* See autometer.com/tech_installation.aspx for specific vehicle information.

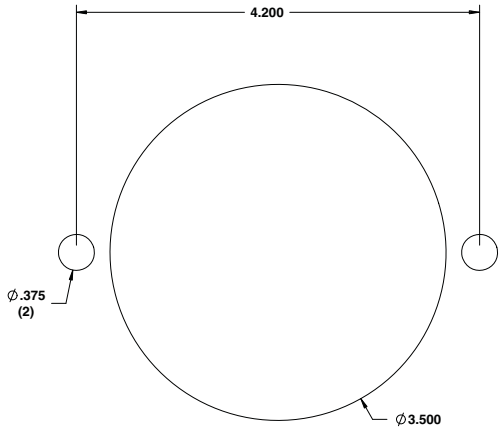
Mounting

Pedestal

1) Loosen both bolts holding the shock strap to the mounting foot. Back both bolts 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 position and tighten bolts holding mounting foot to shock strap to secure the assembly.
4) Make sure rubber section of shock strap seats properly to ensure a proper fit. Check to make sure shock strap is approximately 1-7/8" (1.875") 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.

In-Dash

1) Use the supplied self-tapping studs, lockwasher and thumb nuts.
2) It may be necessary to fabricate a bracket.
3) For flush mounting, hole size should be ∅ 4.750" for 5" version and ∅ 3.500" for 3-3/8".
4) For face forward mounting see configuration on right.



FACE-FORWARD MOUNT

Normal Operation

The shift light will function as a Pit Road Speed indicator, and as a Red Line/Over-Rev light. As shipped from the factory, the shift light will turn on steady red when the RPM reaches 9,500. When the RPM goes above 9,700 RPM, the Shift Lite/Dial will flash **RED**. These RPM levels are editable using a PIC (*See note below) model 9119. As shipped from the factory, the shift light will also function operated as a Pit Road Speed indicator as shown in the following table:

NOTE: The following table shows values with a captured RPM of 3,900. All bands have a width of 500 RPM.

*** NOTE**: PIC (Programming Interface Controller) is used to configure band widths and set up shift-lite parameters

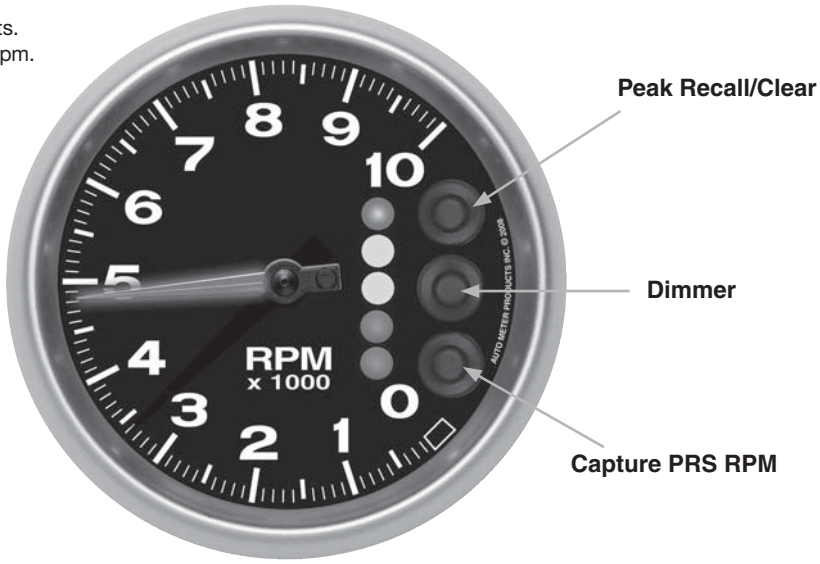
RPM RANGE	BAND	SHIFT LIGHT	COMMENT
500-2,900	N/A	Off	
2,900-3,400	LOW	Yellow (Green)[1]	
3,400-3,900	GO	Green (Yellow)[1]	The RPM captured with the bottom button will be the threshold between the G0 band and the HI band
3,900-4,400	HI	Red	
4,400-4,900	TOO HI	Flashing Red	
4,900 and up	N/A	Off	The light will remain off until the RPM reaches the red line limit

Note 1: Green and Yellow are reversed on models 6847-05705 and 6606-05705.

- The Top button is used to recall and clear peak RPM. Pressing and releasing the Top button will recall the peak RPM for 5 seconds. If the Top button is pressed again within the 5 seconds, the peak will be cleared and the pointer will move to 0 RPM for 2 seconds. The tach will resume normal operation whether or not the peak RPM is cleared.
- The Middle button is used as a dimming control. There are five levels of dimming, which are cycled through by pressing the middle button. Whenever the level is changed, it is stored in the internal memory.
- A new PRS RPM can be captured in this mode by pressing and releasing the bottom push button on the face of the tach while at the new desired RPM. The width of the RPM bands and the PRS RPM can be pre-programmed using the PIC.
- New programming modes can be entered by pressing one of the buttons on power-up. These modes are as follows:

Setting the Shift Point RPM:
Power-up while holding the Top button will enter the Shift-Point Set Mode. This mode is identified by the back light color of Cyan, and 5 Yellow PRS lights. The user then inputs a tach signal for the rpm that represents the Shift Point rpm. Pressing the middle button captures and stores the new set point. This is indicated by the back light color changing to Green. The tach needs to be reset to continue (power cycled).

Setting the Over-Rev RPM:
Power-up while holding the Middle button will enter the Over-Rev Set Mode. This mode is identified by the back light color of Cyan, and 5 Green PRS lights. The user then inputs a tach signal for the rpm that represents the Over-Rev rpm. Pressing the middle button captures and stores the new set point. This is indicated by the back light color changing to Green. The tach needs to be reset to continue (power cycled).



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 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 this product will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fall 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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