

# INSTALLATION INSTRUCTIONS TACHOMETER

2650-1139-00 Rev. A



## 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](mailto:service@autometer.com).

Additional information can also be found at [http://www.autometer.com/tech\\_faq.aspx](http://www.autometer.com/tech_faq.aspx)

## Calibration

**IMPORTANT:** This tachometer is factory calibrated to operate on 8 cylinder engines. For 4 or 6 cylinder engines, it is necessary to make the proper adjustments to adapt this tachometer to your cylinder range.

**NOTE:** Calibration changes do not apply to the Jr. Dragster tachometer. The Jr. Dragster tachometer is calibrated to operate only on Briggs & Stratton engines.

To change the tachometer calibration, access to the inner case is necessary. Remove the two acorn nuts as shown in figure A and carefully slide the cup of the tachometer back in order to access the inner case. Locate the switch access hole on the inner case. Use a small screwdriver or an unwound paper clip to change the switch settings. Move each of the two switches to the proper cylinder selection according to the diagram illustrated on the right.

**NOTE:** This tachometer has an air core meter. With power off, it is normal for the pointer to leave zero. When power is applied, the pointer will move to the correct position.

Figure B.

4 CYL. - 2 Pulse, Switch One up, Switch Two down  
6 CYL. - 3 Pulse, Switch One down, Switch Two up  
8 CYL. - 4 Pulse, Both switches up

If you are unsure of your vehicle's pulse(s) per revolution or specific calibration requirements, contact Auto Meter Technical Service Dept. at (815) 899-0801, or go to [www.autometer.com/hp/tectips](http://www.autometer.com/hp/tectips) for information.

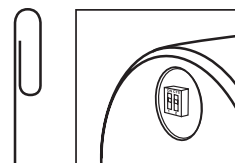
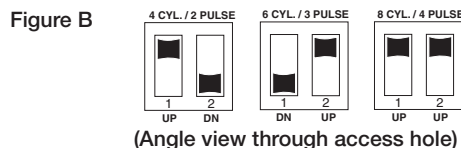
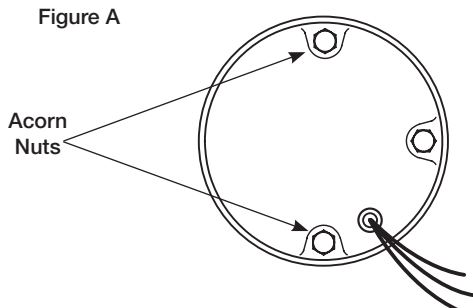
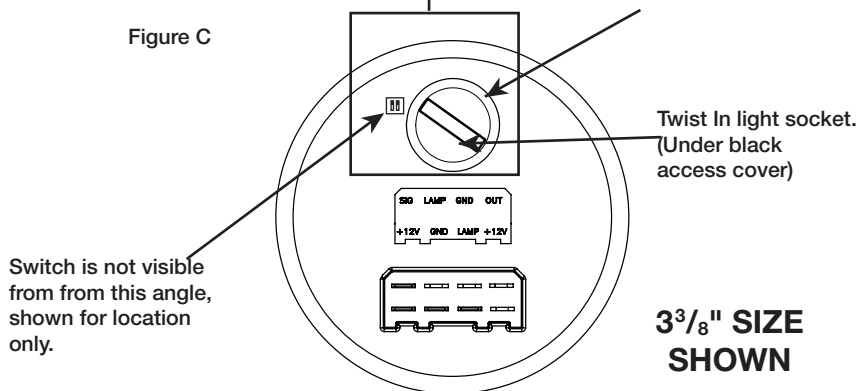
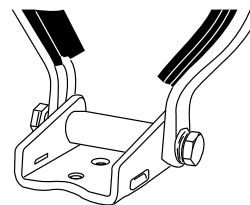


Figure C



## Mounting

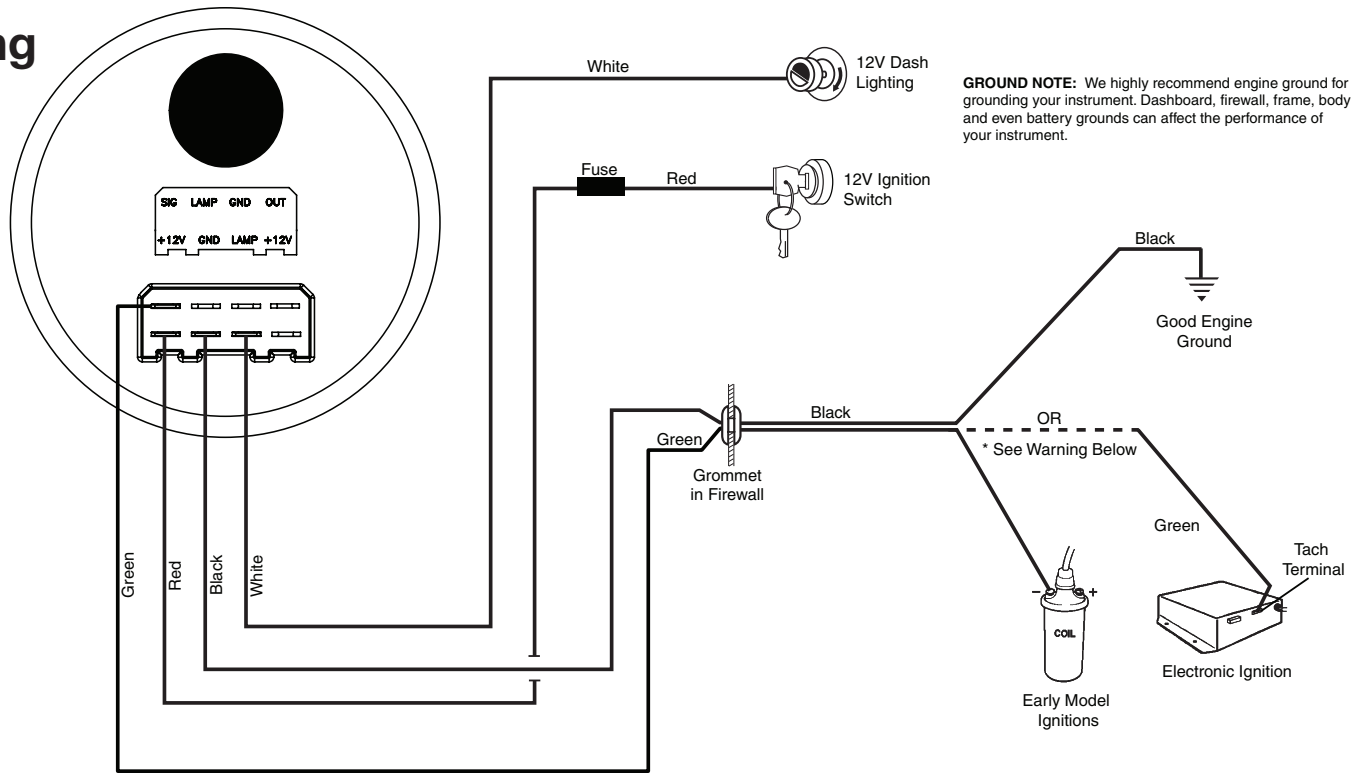
The special design of the tachometer base allows for a variety of mounting possibilities. Loosening the hex screws at the mounting base allows the tachometer to be rotated in the strap. Also, this design allows the tachometer face to be angled forward or backward for better viewing. Attach the base using screws provided or some other fasteners.



## Light Replacement

See figure C. Gently pry off black plastic access cover to access the twist-in light socket. Rotate twist-lock socket counterclockwise using needle nose pliers and remove. Replace old bulb with GE 194 bulb.

# Wiring



**GROUND NOTE:** We highly recommend engine ground for grounding your instrument. Dashboard, firewall, frame, body and even battery grounds can affect the performance of your instrument.

## WARNING

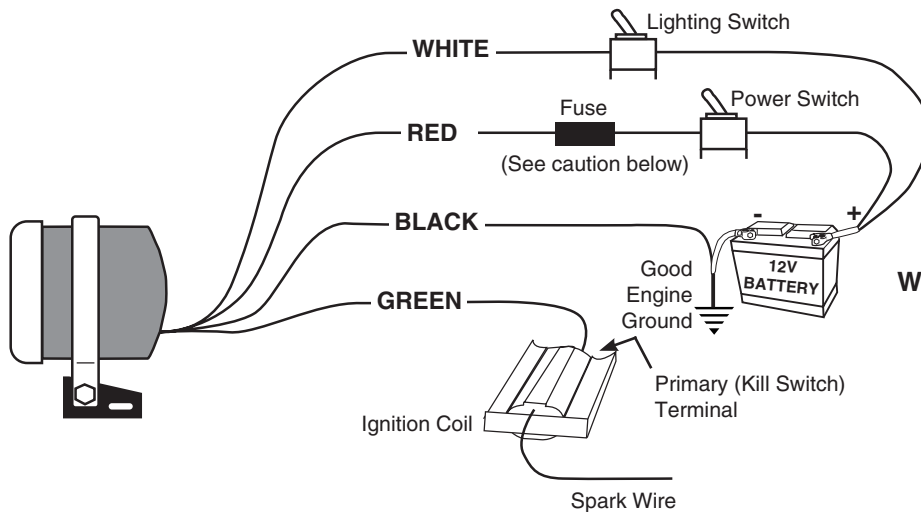
Warranty will be void if connected to coil when using an aftermarket ignition box such as, but not limited to products from the following manufacturers: MSD, Crane, Jacobs, Mallory, Holley, Etc.. Prior to installation of your tachometer, check with the ignition box manufacturer for recommended tachometer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

## CAUTION!

As a safety precaution, the +12 V terminal 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).

# Jr. Dragster Wiring

This tachometer is made to operate on Briggs & Stratton engines only.



**WARNING :** No wire on this tach should be connected to the ignition secondary (Spark wire) at any time. This will cause damage to the product.

## CAUTION!

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

## Wire Connections

- White** - Connect to 12 volt source for dial lamp operation.
- Red** - Connect to 12 volt positive.
- Black** - Must be common grounded with both battery and engine.
- Green** - Trigger lead, connect to the primary spade terminal on the ignition coil. If a kill switch is already connected there, you may connect to the high (hot) side of the kill switch.

## 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. 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.

**FOR SERVICE SEND TO: AUTO METER PRODUCTS, INC. 413 W. Elm St., Sycamore, IL 60178 (866) 248-6356**

For Email: [Service@autometer.com](mailto:Service@autometer.com)