



Installation Instructions For 2 1/16" Ignition Tachometer R5510 & R6510

General information:

Operating Voltage: 12 or 24 volt negative ground systems. Instrument comes equipped with 12 volt lamps and dropping resistor for 24 volt system operation.

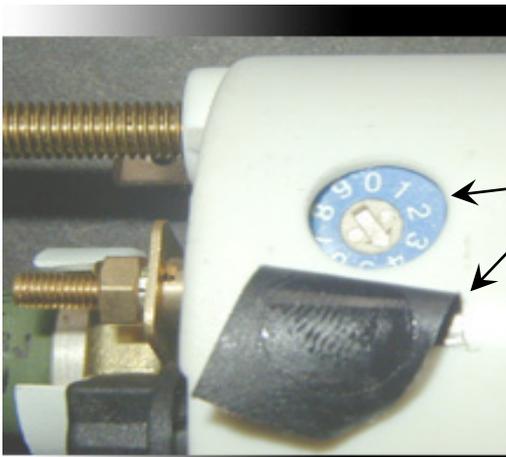
Input Signal: Negative terminal of ignition coil.

Transient Protection: Per SAE J1113

Reverse Voltage Protected

Setting and Installation:

This 2 1/16" inch tachometer is suitable for 4-stroke gasoline engines having 4, 6 or 8 cylinders and a single ignition coil. The tachometer must be set to match the number of cylinders of the engine before installation. Remove the tape covering the calibration switch from the side of the case. Rotate the calibration switch with a small flat screw driver to the position equal to half of the number of cylinders in the engine (i.e. For a 4 cylinder engine: switch position is 2, for a 6 cylinder engine: switch position is 3, and for a 8 cylinder engine: switch position 4). *Caution: Do not force the switch past its internal stops as this may damage the switch mechanism.*



The adjustment hole tape & setting switch on the side of the case.

After setting, close the hole using the tape to avoid dust entry inside the tachometer.

Electrically Connect the Tachometer in the vehicle as follows:

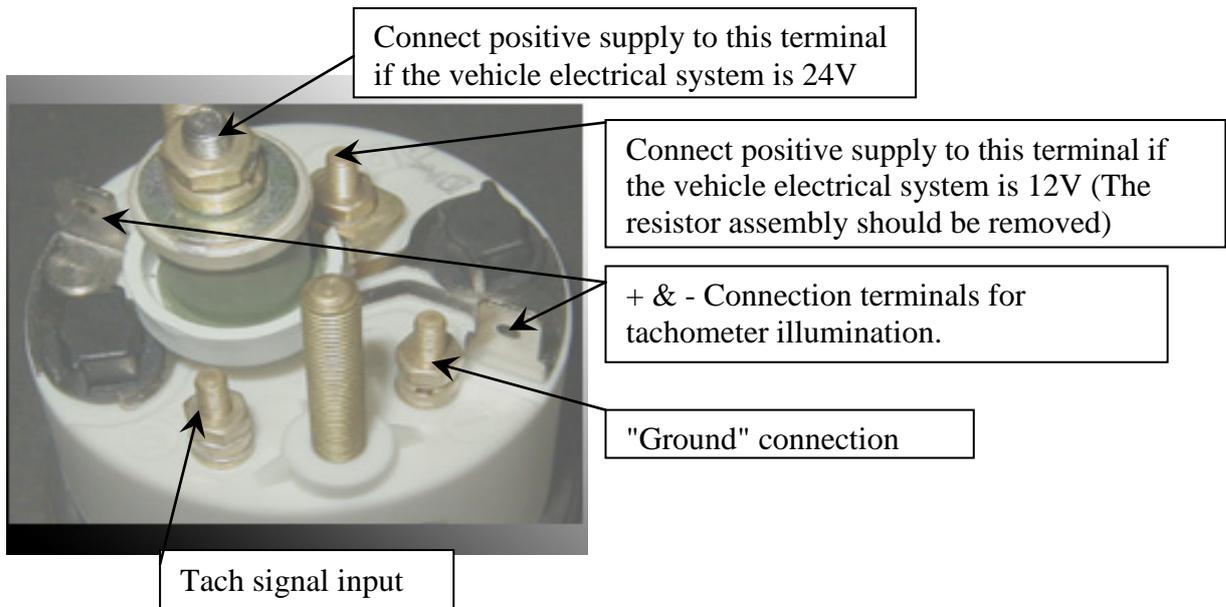
24 Volt System:

Connect positive ignition voltage to the resistor terminal (Refer to diagram).

12 Volt Systems:

Remove and discard the resistor assembly from the tachometer and connect positive ignition voltage to the terminal that was holding the resistor assembly (Refer to diagram).

Connect the negative wire (ground) and tach signal wire to their respective terminals as shown in diagram. (Refer the wiring diagram for electrical connections)



Connect one lamp terminal to the negative terminal (ground) and the other terminal to dash panel illumination voltage. NOTE: Lamps installed at the factory are for 12 volt systems. If the system voltage is 24 volts, replace lamps with the two 24 volt bulbs supplied loose in the kit.

Lamp Replacement:

Rotate the lamp holders counter clockwise using pliers (or by hand) and remove. The lamp can be removed from the holder by pulling it. Insert the replacement lamp in the socket. The lamp holder can be installed in the tachometer by reverse order of removal.

Installation:

Install the tachometer into the dash panel using the clamp supplied.

Installation Hints:

1. Low voltage (below 10 volts) will cause an inaccurate or erratic reading. Check the supply voltage using an accurate voltmeter with the motor running.
2. Running the engine is the easiest way to check the operation of the tachometer. Most problems are caused by inadequate grounding of the gauge.