



ISSPRO, INC. 2515 N.E. Riverside Way, Portland OR 97211

Telephone: (503) 288-4488 ♦ Toll Free: (800) 888-8065

FAX: (503) 249-2999

**ISSPRO 3 3/8" DIA. Ignition Tachometer with Shiftlite
High Performance EV Line
Part Number R55111**

Overview

This is an electronic ignition tachometer with the additional function of an adjustable warning lamp (Shiftlite). The purpose of this warning lamp is to show proper shift points for maximum torque, fuel economy, or to indicate over-revving the engine. An adjustable stationary pointer is provided to show the Shiftlite trip point or any warning RPM point.

General Information

Operating Voltage

11-30VDC (12V or 24V system configurable): NOTE-Instrument comes equipped with 12 volt lamps. Replace lamps with ones of proper voltage when installing instrument into 24V system (two 24V bulbs are supplied loose in the kit).

Input Signal

Ignitions using distributor and ignition coil. This unit will not work with individual ignition coil per cylinder systems.

Programming Range

4, 6 or 8 cylinder supported.

Transient Protection

Conforms to SAE J1113 specifications for steady state and electrical transient testing.

Reverse Polarity Protected

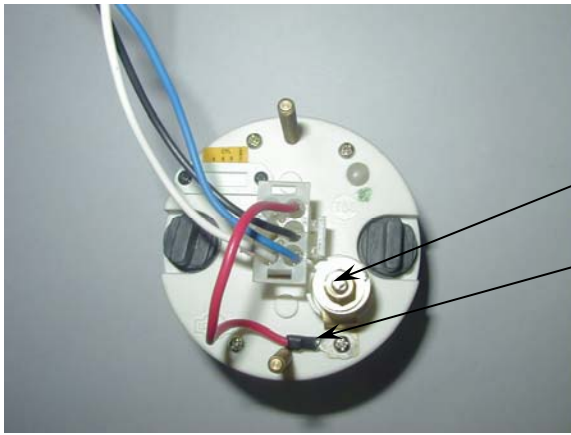
WARNING: Gauge is set for 12V application only

Installation

Make all connections to the tachometer before applying power.

Connect the tachometer wiring as follows:

- Red wire: Ignition voltage (Only has power when Ignition switch is ON).
Connect directly to this wire for 12-volt systems.
For 24-volt systems, connect ignition wire from tach to the bracket of resistor as shown then connect positive supply wire to the stud on resistor.
- Black wire: Ground wire.
- Blue wire: Ignition input. Connect to the negative ignition coil terminal or the "tach" output terminal on the ignition coil (if applicable).
- White wire: Dashboard illumination.



If the vehicle electrical system is 24V, then connect positive from supply to this terminal.

Next, connect positive wire from tach to the bracket of the resistor.

Calibration

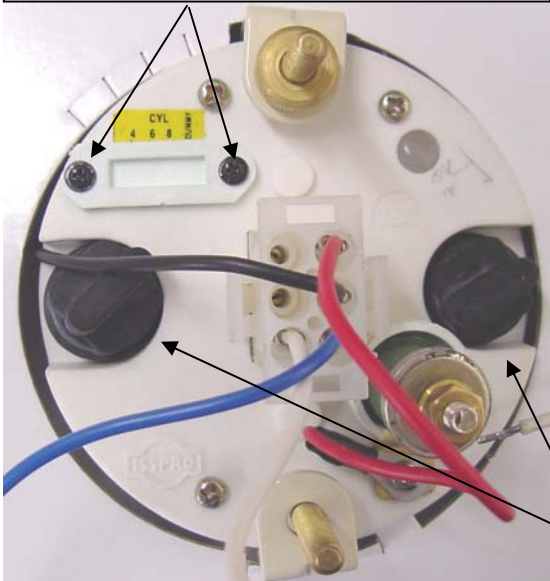
The tachometer is configured by setting a slide switch to the number of cylinders. The switch is located under a plate on the rear of the unit and is accessible by removing two screws (Refer to illustration).

(Refer to label on rear of gauge)

- For 4 cylinder applications, turn switch #1 ON only.
- For 6 cylinder applications, turn switch #2 ON only.
- For 8 cylinder applications, turn switch #3 ON only.
- The extra switch position is not used.

Replace the switch access cover and screws. Do not over tighten screws.

Remove these screws for accessing cylinder selection switch



Cylinder selection switch cap and rubber cap removed condition.



Remove these rubber caps for lamp replacement

Lamp Replacement

Remove the two rubber caps by pulling while gently rotating. Remove the lamp holders by rotating counter clockwise. The lamps can be removed from their holder by pulling apart gently.

Mounting

Mount the tachometer into the dash panel using brackets and screws provided. The recommended hole size is: 3.32” diameter.

Testing

Confirm operation of the tachometer by starting the engine. When the ignition is “OFF” the pointer is free to move to any position. When ignition is applied, the pointer will move to its appropriate position.

Shiflite Adjustment

Push in on the setting knob while slightly rotating to ensure the proper engagement of the setting mechanism. The RED warning lamp will turn ON and the pointer will move as the knob is rotated. While keeping the knob pressed, turn knob clockwise or counterclockwise to move the pointer to show the desired RPM set point. **Caution:** Do **NOT** force the knob past its stops. Doing so may damage the unit.

Stationary Pointer

The stationary pointer can be set by turning the knob in the center of the dial to show a desired RPM.

