




VOLTMETER GAUGE INSTALLATION INSTRUCTIONS




Models: R11600 R12600 R13600 R14600 R15600 R16600 R17600

- 1  **Disconnect batteries.** Do not reconnect battery power until system is fully configured to avoid risk of shock or fire.
- 2 No external sensor is required.
- 3  Trim wires to desired length.
- 4  An optional wiring harness is available (ISSPRO P/N R72022) to simplify wiring and provide a potentiometer for reducing the brightness of the gauge lights while still following the vehicle dimmer level. If this dimming function is not required, you can substitute your own 18 gauge wires in place of the harness, using a single wire in place of the orange and orange/black wires. Connect one end of each of these wires as follows:

Install the wires into the insulation displacement connector (orange connector). Carefully lay the wires across the connector cavities, hold the connector steady with a vice or pliers and press the wires into each cavity with a small screwdriver. Each wire must be pushed completely to the bottom of its groove in the connector, to ensure a good electrical connection.

- *Ground* – The black wire should connect to a clean ground on the vehicle such as the battery negative terminal or a factory ground bolt.
- *Ignition* – The red wire should be connected to a circuit that switches on with the key switch.

 **Wire should be fused so as not to exceed 3 amps. If the circuit does not have a fuse, or the existing fuse is higher than 3 amps, use an inline fuse.**

- *Dimmer* – Connect the orange/black wire to the factory gauge dimmer circuit by either tapping into the in-cab fuse block or by connecting directly to the wire running from the dimmer on the headlight switch.

Connect the orange and black wires to the orange connector as described above, in positions 2 and 3 respectively. Connect the red wire to position 1, and loop the wire around and connect the same wire into position 5. Slide the white dust cover over the orange connector once the wires are securely installed. **NOTE:** The gauge backlighting will only illuminate if both the ignition supply AND the backlighting circuits are on.

ICON KEY	
	CAUTION
	Tools may be required
	Shown in picture

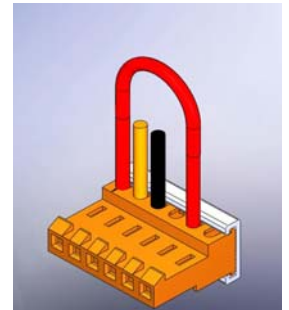





Figure 1: Connector.

1	Red	Ignition
2	Orange	Dimmer
3	Black	Ground
4	Empty	
5	Red	Volts In
6	Empty	

Form No. IS173 (Rev. C 12/09/2008)

 **The lighting harness is designed to be used with Performax EV²™ gauges. DO NOT attempt to use this harness and potentiometer with any other gauge types.**

OPTIONAL: Daisy Chain Your Gauges – If multiple Performax EV²™ gauges are being installed in one location (such as a pod), you may use a single set of the Ignition, Ground, and Dimmer wires to connect all of the gauges. Simply pass the wires from one orange connector to the next one in a “daisy chain” configuration.

- 5**  Install the connector onto the back of the gauge (angled portion on end of connector pointing up as in Figure 1), and then secure the gauge in its mounting location. If drilling a mounting hole in a panel to mount this gauge, the hole size should be 2.040”. Mounting Kit R19999 is available for larger mounting holes up to 2.200”.
- 6**  Secure all wiring so that it does not interfere with moving parts or chafe on sharp edges. This may be accomplished by routing the wiring within the factory wire harness sheath, using wire ties and sheathing, and using appropriate grommets when passing through the firewall.

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