

Installation Instructions for 2-1/16" Comp II Short Sweep Electric Gauges Volts, Temperature, Oil Pressure & Fuel Level

Before You Start

Please read instructions completely before installing.

- **ALWAYS WEAR SAFETY GLASSES.**
- Install gauge only when engine is cool and ignition is off.
- Make sure all necessary tools, materials, and parts are on hand.
- Disconnect negative (-) battery cable before installing gauge.

- 2-1/16" gauge mounts in a 2-1/16" diameter hole.
- Make sure mounting location does not impair visibility or interfere with driving. Also check behind the mounting location for any wiring or components before drilling.

Wiring

Use 20 AWG stranded or heavier wire for installation. Route wires away from any moving parts and hot engine components. Secure wires firmly along their route. **Note:** As a safety precaution, the 12V+ connections should be fused. We recommend using a 1 Amp, fast-acting type cartridge fuse.

Temperature Signal Input

Connect the sender signal terminal to the gauge signal input (S).

Ensure the body of the sending unit is grounded and that the gauge and sending unit have a good common ground. **DO NOT** over tighten the sender when installing.

Pressure Signal Input

Connect the G pressure sender terminal to the gauge signal input (S).

Connect the WK terminal to a common ground.

Use Teflon sealing compound on temperature and pressure sender threads.

Test temperature and pressure sender connections for leaks. If a leak is detected, determine the cause of the leak and repair. DO NOT operate the vehicle if a leak is detected.

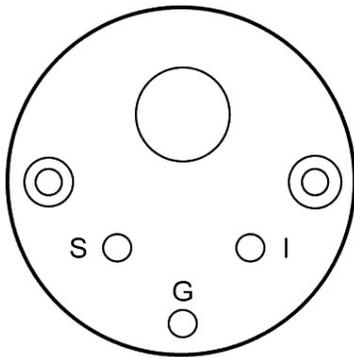
Volts Signal Input

The volts gauge does not have a signal input connection, it receives the voltage from the ignition (power) connection (I).

Fuel Level Signal Input

Connect the fuel level sender signal output to the gauge signal input (S).

Make sure that the gauge and sending unit have a good common ground, i.e. ground the gauge and sending unit at the same location.



DO NOT overtighten nuts on I, G or S connectors.

I: 12V ACC (Ignition)
G: Common Ground
S: Signal Input

Note: VOLTS gauge does not have a signal input terminal.

DO NOT over tighten the nuts on the I, G, or S terminals. Hand tighten only. **Damage to the gauge may occur if you over tighten the nut.**

Lighting

This gauge features integrated LED lighting. Connect RED light wire to 12V dash lighting. Connect black light wire to GROUND. **DO NOT pull hard on the red and black LED lighting wires, damage to the LED light circuit may occur.**

For reduced backlight brightness install a 300 ohm 1W resistor on the 12V supply to the light (RED wire). Use a higher value resistor for dimmer lighting. Use a lower value resistor for brighter lighting.

Installation Questions & Support

For frequently asked installation questions and troubleshooting tips go to:

<http://www.marshallinstruments.com/faqs/>