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## **INSTALLATION GUIDE**

**Digital Bargraph Oil Pressure Gauge**

**0 to 80psi**

**Part Number: B9114**



**\* NOTE: before beginning the installation of this gauge, please disconnect the positive battery cable from your vehicle, and read all the instructions thoroughly!**

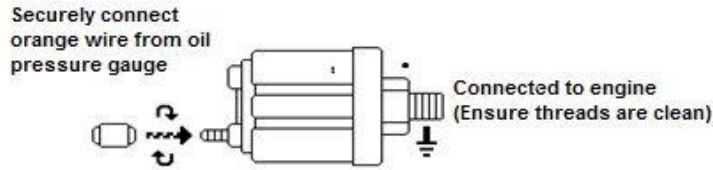
***Note: Automotive wire connectors are the preferred method of connecting wires. However, you may solder if you prefer.***

### **WIRING INSTRUCTIONS**

**Ground – Black--This is the main ground for the display system. A wire should be run from this board to the vehicle engine block for the best ground.** Use 18 AWG or larger wire to ensure sufficient grounding. Proper vehicle grounding is extremely important for any gauges (or electronics) to operate correctly. The engine block should have heavy ground cables connected to the battery, frame, and firewall. Failure to properly ground the engine block, senders, or digital dash can cause incorrect or erratic operation.

**Power - Red--**Connect the power terminal to accessory +12V power from the fuse panel or vehicle wiring harness. Using a 5-amp fuse or an inline 5-amp fuse holder. This terminal should have power when the key is on or in accessory position. Use 18 AWG wire to ensure the system receives a sufficient power feed.

**Oil Pressure – Orange** - Replace the existing oil pressure sending unit with the unit included. **Do not** use Teflon tape or other sealer on the new sending unit's threads. This will avoid inaccurate ground connections as the sending units get their ground from the threads. The oil sender gets its ground from the threading into the engine block, thus proper grounding is crucial. Connect to the sending unit.



Connect the **PURPLE** wire to the headlight switch to dim the LEDs 50% when the headlights are on. However, do not connect to the dash light dimming rheostat control wire – the dimming feature will not work properly.

**Dimmer – Purple** Connect to the parking lights to dim the LEDs 50% when the headlights are on. However, **\*DO NOT\*** connect to the headlight rheostat control wire, or the dimming feature will not work properly and may cause damage to the Unit. This wire is looking for 12v power to turn on dimming feature.

**MAKE SURE** that the connection between the oil pressure sensor and the engine is clean and **DOES NOT** have Teflon tape or any other sealant on the threads. This provides a ground for the sensor which will not function properly if inhibited.

**MAKE SURE** to test all fittings and connections for leaks. If any leaks are detected, determine the cause and repair immediately. **DO NOT** operate vehicle if any leaks are detected.

**NOTE:** Gauge mounts in a 2-1/16" hole. Use supplied brackets and nuts to secure gauge to dash. Sender features a 1/8" NPT male fitting and should automatically be grounded when grounded to engine block.

Made in America

Lifetime Guarantee



## Technical Support

Monday – Friday

9am to 5 pm EST

(440) 359 7200

[support@intellitronix.com](mailto:support@intellitronix.com)

CHECK OUT THE **SUPPORT** PAGE AT

[www.intellitronix.com](http://www.intellitronix.com)

FOR QUICK ANSWERS (**Q&A**) TO YOUR QUESTIONS



**This product carries a limited Lifetime Warranty.**

**This warranty is limited to replacement or repair of the unit at the discretion of Intellitronix.**