



AEM X-WIFI EGT Connection Guide

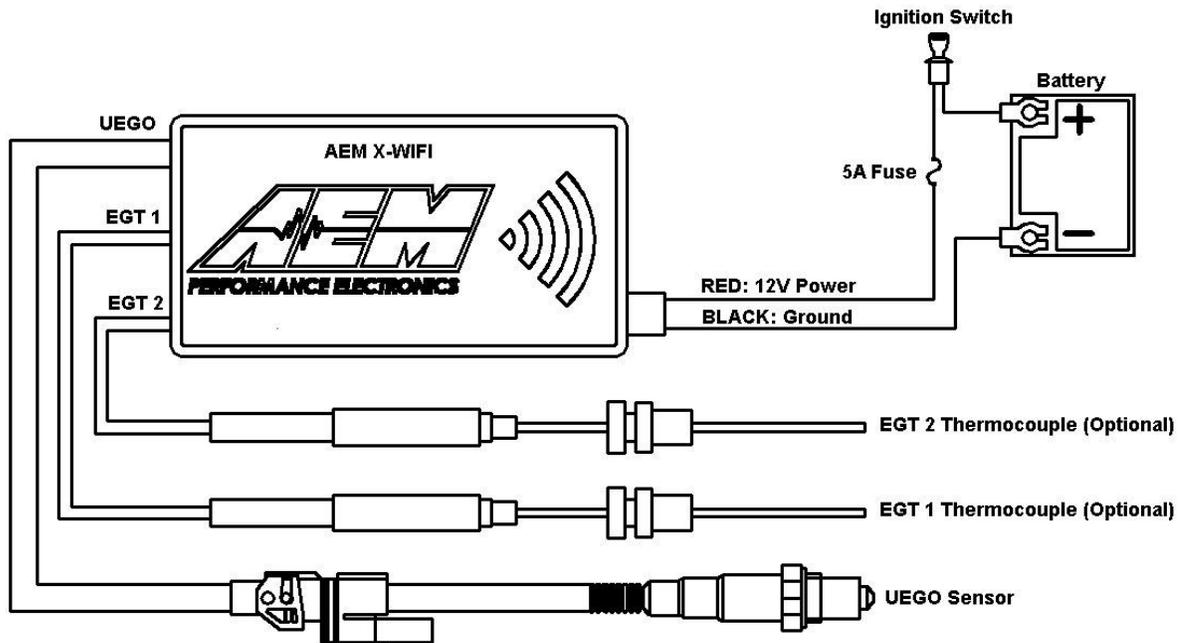


Figure 1. Wiring Schematic

INSTALLATION

1. Disconnect the negative battery cable.
2. Using the supplied Stainless Steel 1/8" NPT compression mount, mount the EGT thermocouple as shown in Figure 2. Common locations for mounting the EGT thermocouple are 1-2 inches from the exhaust port, 2-3 inches before the turbine inlet, or in the header collector.
3. Connect the EGT thermocouple to the extension harness as shown in Figure 3.
4. Connect the 3-pin connector on the thermocouple extension harness to either the EGT 1 location or EGT 2 location as shown above in Figure 1.

When using both thermocouples for comparison (bank 1 EGT and bank 2 EGT for example), make sure to mount both thermocouples in a similar fashion (distance from port, tip depth, tube diameter, etc) so the readings are not influenced by installation differences.

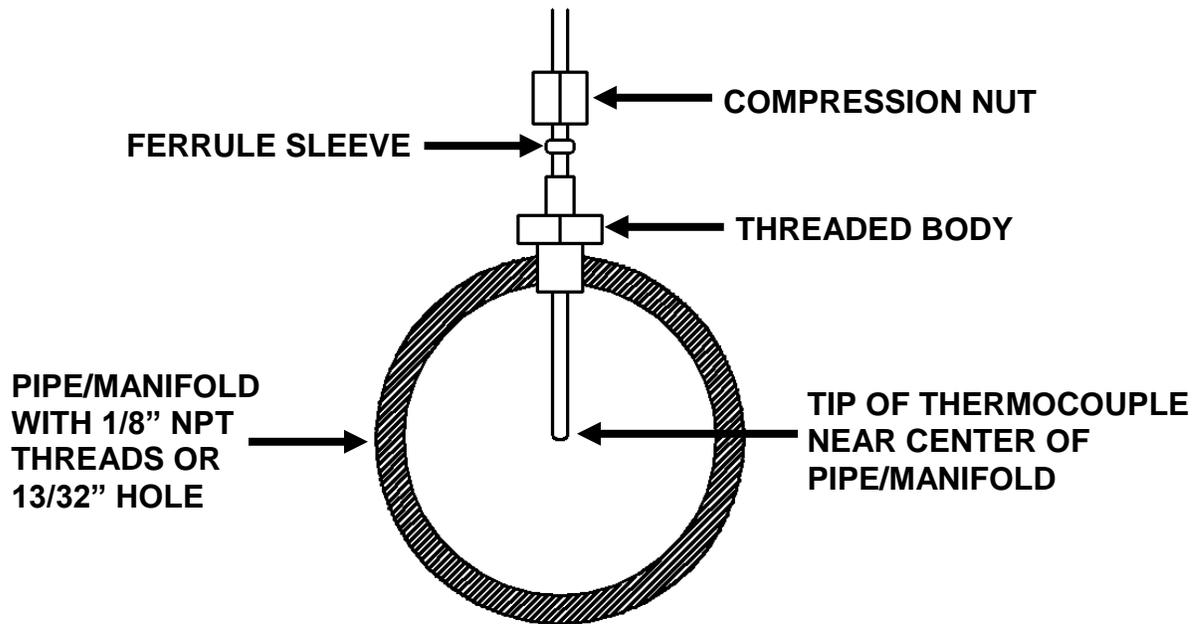


Figure 2. Thermocouple Mounting

Connecting the Thermocouple

Slide the supplied heat shrink onto the sensor cable. Connect the RED wire from the thermocouple to the RED wire on the harness and the YELLOW wire from the thermocouple to the YELLOW wire on the harness using the supplied 4-40 screws and hex nuts. Make sure the connections are not touching. Center the heat shrink over the connections and apply mild heat to the heat shrink until it shrinks over the connections. See Figure 7.

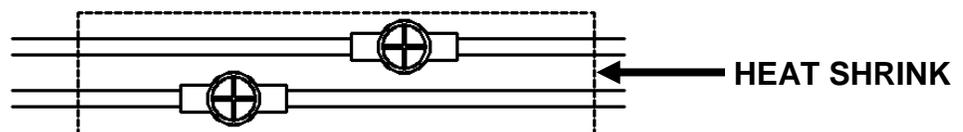


Figure 3. Thermocouple to Cable Connection

Notes

If further tuning help is needed be sure to visit the video gallery or performance electronics forum at www.aemelectronics.com for comprehensive instructional videos and information.

A more detailed version of the instruction manual is available for download at www.aemelectronics.com.