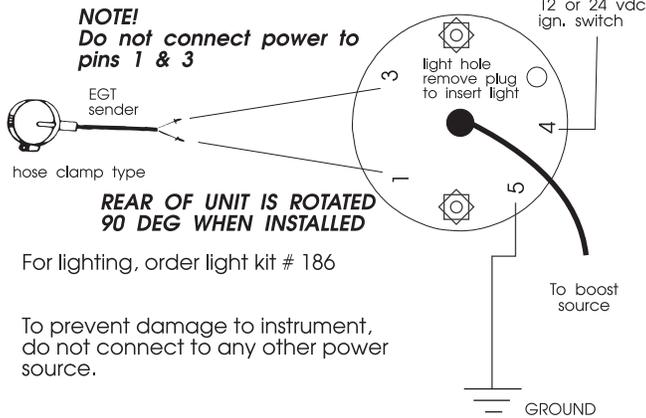


INSTRUCTIONS

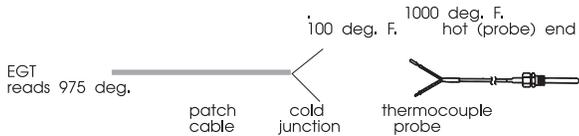
CAT. # 2DC2-30SS BOOST/EGT

BOOST 0-35 EGT 100-1500 F
FOR EGT USE 4' TYPE "K" (712-series) THERMOCOUPLE

! IMPORTANT !



EXAMPLE



NOTE! Power must be applied to pin #4 and ground on pin #5 for boost to operate.

This system is factory calibrated at 75 deg. F. The indicator measures the temperature difference between the hot end (PROBE) and the pin terminals on the other end of the thermocouple. (COLD JUNCTION).

For COLD JUNCTION temperature of 75 deg. The indicator will read the true temperature of the PROBE end of the thermocouple.

For COLD JUNCTION temperatures HIGHER than 75 deg. The indicator will read one deg. LOW for each deg. above 75 deg.

For COLD JUNCTION temperatures LOWER than 75 deg. The indicator will read one deg. HIGH for each deg. below 75 deg.

This thermocouple "error" is a normal characteristic of self powered thermocouple systems. If possible, locate the thermocouple COLD JUNCTION connection to patch cable away from heat (or extreme cold) to minimize thermal "error".

When the COLD JUNCTION is 100 deg., and the system is calibrated at 75 deg., that means the COLD JUNCTION is 25 deg. high and the indicator will read 25 deg. low. See example in illustration.

Install the instrument in a 2-1/16 inch hole in convenient operating place. Use U clamp to hold in place.

On the rear of the instrument there are connecting pins with corresponding numbers.

Use patch cable provided to connect the instrument to the appropriate power source.

For hose clamp style thermocouple, Drill 3/16 inch hole in exhaust pipe approximately 6 inches from manifold of the leanest cylinder as defined by the engine manufacture and insert probe tip into hole then tighten hose lamp. If closer mounting is required due to physical limitations a slightly higher reading may occur. Or mount the bayonet style thermocouple in the bayonet port, if supplied on manifold.

Connect pin #1 to the white sender lead. Connect pin #3 to the black sender lead. Connect pin #5 to ground. Connect pin #4 to 12/24 vdc. Connect vacuum hose to center port on rear of instrument connect other end to vacuum source.

See illustration.

Patch cable may be lengthened without affecting accuracy of the unit. Using 20-22 gauge wire is recommended. Route wires away from hot manifolds and pipes. Support with wire ties every 12-15 inches. Use rubber grommets when going through metal.

WARRANTY

WESTACH INSTRUMENTS are made with the highest quality material and workmanship. With reasonable care, instruments will give long and satisfactory service. WESTACH INSTRUMENTS are guaranteed against defective material and workmanship for 12 months from the manufacturing date. For complete details go to www.westach.com

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