

INSTRUCTIONS

CAT. #2A1 & 2A1-11

CYLINDER HEAD TEMPERATURE GAUGE.
 RANGE 100-700 F. (2A1 RED ARC 450-700 F)
 USE WITH 4 FOOT TYPE J
 THERMOCOUPLE SENDER (series 712-)

! IMPORTANT !

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).

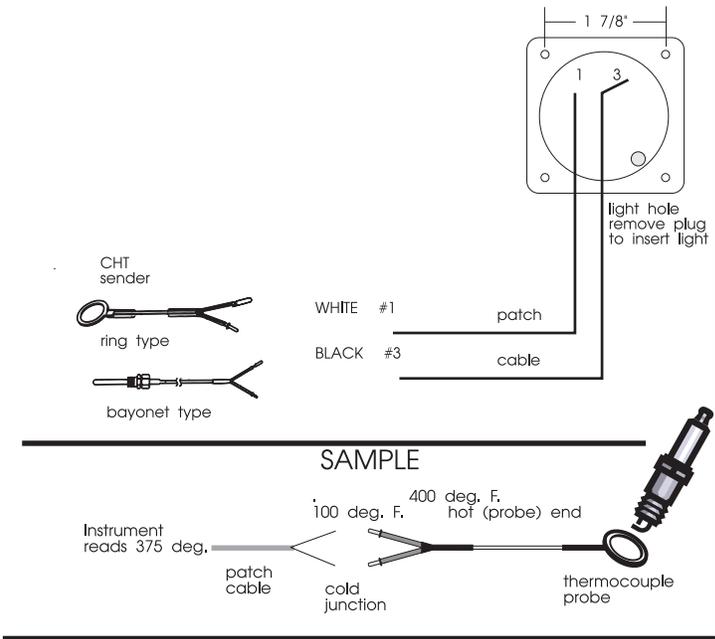
For COLD JUNCTION temperature of 75 deg. The indicator will read the true temperature of the PROBE end of the thermocouple.

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.



For lighting, order light kit # 186

For multi cylinder monitoring, order 2,4,6 or 8 position switch.

To prevent damage to instrument, do not exceed 50 mv.

Install the instrument in a 2-1/4 inch hole for behind panel or (2-1/16 hole for in front of panel). Mount instrument in convenient operating place at least 12 inches from compass. Use 4 corner screws to hold in place.

Install the thermocouple under the spark plug (the gasket is usually removed), or in the cylinder bayonet port of the leanest cylinder as defined by the engine manufacturer. Route wires away from spark plug wires and hot manifolds, support with wire ties every 12-15 inches. Use rubber grommets when going through metal.

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

Use patch cable provided to connect the thermocouple to the instrument. Connect pin # 1 to the white thermocouple lead and connect pin # 3 to the black thermocouple lead. Slide protective tubing over connections to prevent shorting. See illustration.

Patch cable may be shortened or lengthened up to 20 feet without affecting accuracy of unit. Using 20-22 gauge stranded wire is recommended.

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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