

A200-TCR-12/14/18 Installation Instructions

200 Series Ring CHT Thermocouple

WARNING

This document provides instructions for the installation of the A200-TCR Type-J Ring Thermocouple, Rev. 01. Use of these instructions with any other product revision voids all warranty and certifications.

Functional Summary

The A200-TCR is an ungrounded Type-J thermocouple for use with all 100 and 200 Series instruments that require a CHT temperature input. They are available in 12, 14 and 18mm sizes and are to be installed beneath either the upper or lower plug.

Physical Installation

1. Type-J CHT probes are identified by their black connector plugs.
2. Install all thermocouples in either the top or bottom plug location.
3. Do not strap any portion of the thermocouple to:
 - a. any portion of the exhaust, or
 - b. the ignition harness, or
 - c. the magneto P-leads.
4. Remove the plug, insert the thermocouple attachment ring between the plug and cylinder head and reinstall in the engine.
5. Route the probe wiring to the termination point of the instrument harness. Allow cable slack for movement between the engine and mount.

Electrical Connection

1. The probe is supplied with a male connector attached. There are three pins marked CONST (-), IRON (+) and GROUND (G).
2. Attach a female connector to the probe wire from the instrument wiring harness. The red lead must be connected to the (-) pin and the white to the (+) pin. The shield must be connected to the (G) pin.
3. Connect both plugs together and then secure them with appropriate safety wire.