

# A200-TCB Installation Instructions

## 200 Series Bayonet CHT Thermocouple

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### WARNING

This document provides instructions for the installation of the A200-TCB Type-J Bayonet Thermocouple, Rev 1.0. Use of these instructions with any other product revision voids all warranty and certifications.

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### Functional Summary

The A200-TCB is an ungrounded Type-J thermocouple for use with all 200 Series instruments that require a CHT temperature input. They are to be installed in existing thermowells as provided by the engine manufacturer.

### Physical Installation

1. Type-J CHT probes are identified by their black connector plugs.
2. The probes are provided in a straight configuration and can be bent to any shape to facilitate installation.
3. When bending, exercise care not to damage the thermocouple tip. The minimum bend radius is 1".
4. 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.
5. Bend the probe to the required shape.
6. Insert the probe tip into the engine thermowell and attach the probe with the supplied fitting.
7. 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. The large pin of the connector is the negative and the small pin the positive.
2. Attach the female connector to the instrument wiring harness. The red lead must be connected to the large (-) pin and the white to the small (+) pin. The shield must be connected to the shield lug on the inside of the connector.
3. Connect both plugs together and then secure them with the provided shield strap.