

A200-HMR Installation Instructions

200 Series Rotational Speed Sensor – Bendix Ring

WARNING

This document provides instructions for the installation of the A200-HMR Rotational Speed Sensors. Use of these instructions with any other product revision voids all warranty and certifications.

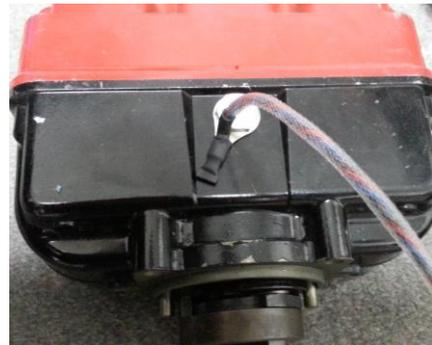
Functional Summary

The A200-HMR is a Hall Effect rotational speed sensor to be used on engines equipped with Bendix 2000 and 3000 series magnetos.

Physical Installation

1. Installation onto the magneto:

- a. Use sensor Rev. 01.
- b. Remove the vent plug from the port on the magneto that covers the portion that contains the rotating magnet.
- c. Place the ring sensor over the vent hole and insert the vent port blank and finger tighten.
- d. Position the sensor pickup at 30-45 degrees to the rotating magnet as shown.
- e. Then tighten 1/8 turn with an appropriate tool to lock the sensor in position.



2. Installation onto the tachometer drive port:

- a. Use sensor Rev. 02.
- b. Remove the original tach drive cable from the engine.
- c. Install the narrow side of the supplied sever/drive pin into the tachometer drive port.
- d. Install the sensor and tighten in place. Then safety-wire the locking housing using the holes in the base of the housing.

3. Route the red/black/blue twisted wiring bundle back towards the firewall.

- a. **DO NOT ATTACH THE BUNDLE DIRECTLY TO THE IGNITION HARNESS OR MAGNETO P-LEADS.**
- b. Provide sufficient slack in the wire bundle to allow for engine movement between the engine and the engine mount.

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Electrical Connection

1. Connect the red/black/blue wires to the corresponding color wires in the instrument harness.

Instrument Setup

1. For Rev. 01 sensor perform the setup as per the onscreen instructions and select the appropriate engine cylinder configuration.
2. For Rev. 02 sensor select the 4-cylinder engine option irrespective of the number of cylinders on the engine.