

MULTI-TASKING SENSORS THAT MEASURE UP

Camshaft and Crankshaft Sensors monitor the position of the engine's camshaft and crankshaft by generating an electrical signal based on the position of the trigger wheel. This information is used by the ignition control model and/or the ECU for the sequencing of ignition and fuel injector timing. The ECU uses this information to support a multitude of vehicle tasks, including detecting misfires, ignition system timing, and the position of the RPM gauge, to name a few.

Camshaft Position Sensors are used to read and report the position of the camshaft or camshafts to the ECU. Typically, there are multiple camshaft sensors on each vehicle. Sometimes as many as five on one engine. Cam Sensor signals are used for a number of vehicle operations, including fuel delivery, variable valve timing control, and more.



BUILT FOR PERFORMANCE AND RELIABILITY

WVE Cam and Crank Sensors deliver OE fit, form and function, and match OEM requirements to ensure proper sensor operation.

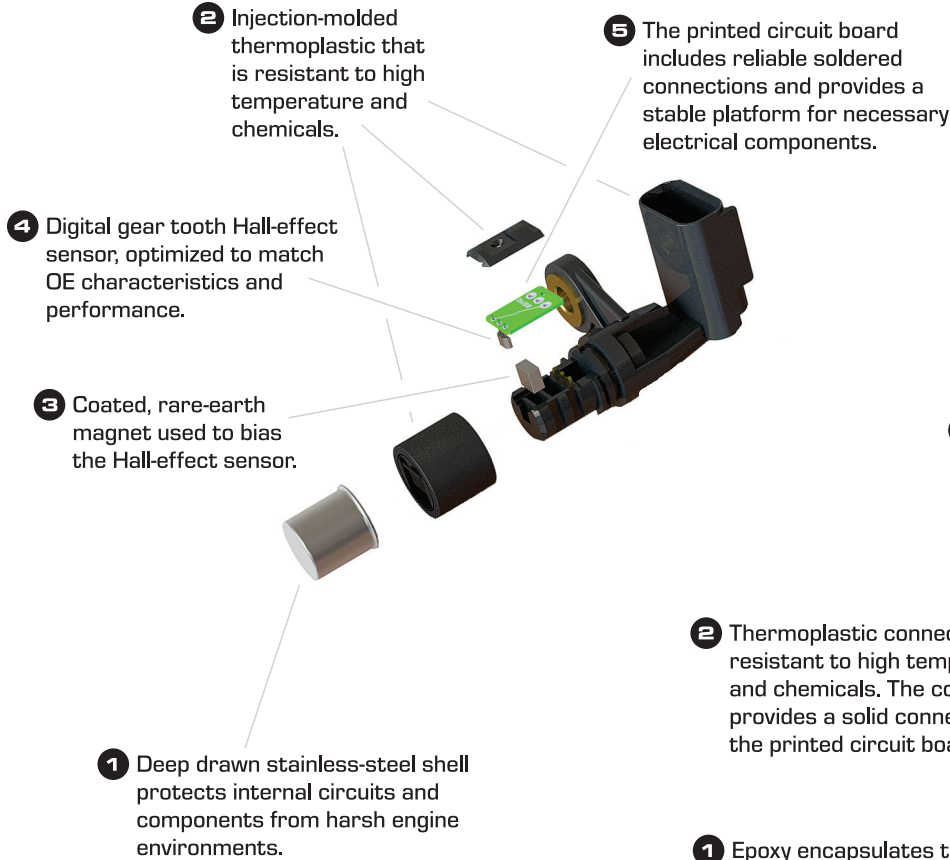
It all begins by deploying advanced equipment, including laser measurement devices, 3-D printers and x-ray machines, to design and engineer our Cam and Crank Sensors in order to recreate the highest quality OE replacements. From there, our sensors are manufactured using high-grade thermoplastics, soldered connections and epoxy encapsulation to protect the sensor elements from heat, vibration and chemicals.

Our Cam and Crank Sensors must pass a variety of tests – including thermal shock, vibration and salt spray – to ensure our coatings and platings live up to the harsh environments that they see under the hood.

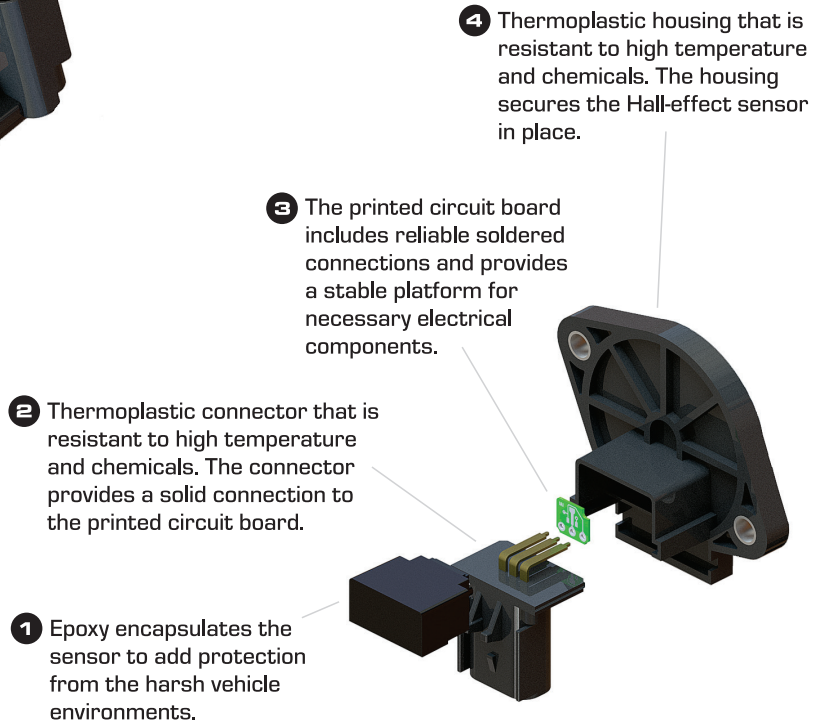


WVE CAM AND CRANK SENSORS: A CLOSER LOOK

CRANKSHAFT POSITION SENSOR

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- 1 Deep drawn stainless-steel shell protects internal circuits and components from harsh engine environments.
 - 2 Injection-molded thermoplastic that is resistant to high temperature and chemicals.
 - 3 Coated, rare-earth magnet used to bias the Hall-effect sensor.
 - 4 Digital gear tooth Hall-effect sensor, optimized to match OE characteristics and performance.
 - 5 The printed circuit board includes reliable soldered connections and provides a stable platform for necessary electrical components.

CAMSHAFT POSITION SENSOR

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- 1 Epoxy encapsulates the sensor to add protection from the harsh vehicle environments.
 - 2 Thermoplastic connector that is resistant to high temperature and chemicals. The connector provides a solid connection to the printed circuit board.
 - 3 The printed circuit board includes reliable soldered connections and provides a stable platform for necessary electrical components.
 - 4 Thermoplastic housing that is resistant to high temperature and chemicals. The housing secures the Hall-effect sensor in place.

WORLD-CLASS TRAINING AND TECHNICAL SUPPORT, POWERED BY



We understand making the correct diagnosis and a reliable, long-lasting repair isn't always easy. That's why we've teamed up with GoTech, THE Technical Specialists - a seasoned group of ASE-certified professional technicians - to serve as your go-to technical resource for all things vehicle-related.

Whether you're looking for in-depth diagnostic and installation videos, a quick answer to a question - or anything in between - GoTech delivers.



Talk with one of GoTech's ASE-certified technicians by dialing
1.855.207.5630
 (7:30 a.m. - 5:30 p.m. Central Time, Monday-Friday)
 or visit gotech.com.

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