

SENSOR PROGRAM



2026



WHAT'S IN YOUR BOX?™

HERE'S WHAT'S IN OURS.

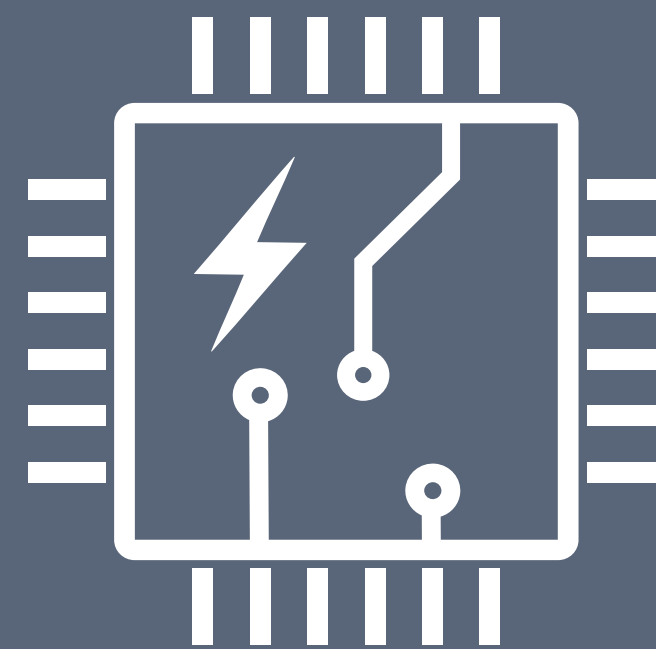


7,500+
SKUs

Standard® offers more than
7,500 different Sensors in
nearly 90 categories



Standard® provides industry-
leading coverage with 2,600+
ABS Speed Sensors



Standard® Sensors use the latest
technology to optimize accuracy,
speed and durability



Sensor Program

StandardBrand.com

Growing Market

The number of sensors on modern vehicles continues to grow. The introduction of electronic safety systems and advancements in internal combustion engines – aimed at enhancing performance while reducing emissions – has led to the creation of multiple new sensor categories.

With more than 7,500 Sensors already available, Standard® is committed to continually developing the latest sensor technology to meet the demands of professional technicians.

Source: StandardBrand.com eCatalog

Standard® Chevrolet Silverado 1500 Sensor Coverage



22 Sensors

2000 Chevrolet Silverado 1500



37 Sensors

We offer
almost 2X as
many sensors for
a 2020 Silverado
compared to a
2000 model

2020 Chevrolet Silverado 1500



Sensor Program

StandardBrand.com

Impact on Vehicle Systems



Many sensors operate in a harsh environment (heat, dirt, fluids, etc.). When a new sensor is installed, experts recommend replacing the related connector as well



Control modules are continually monitoring and processing the data received from a vehicle's onboard sensors. In some cases, a trouble code may be set for one system, but it may be an unrelated sensor that is at fault



Every diagnosis should begin with a complete vehicle scan. Sensor failures in companion systems may put other systems in a default mode

Accuracy, Speed, and Durability

Standard's Attributes for Quality Sensors

Modern vehicles are equipped with more sensors than ever before. Standard's state-of-the-art Sensors are designed with multiple features to optimize accuracy, speed, and durability, and provide today's vehicle systems with the information they require to operate properly.



Accuracy

Consistency and accurate performance is driven by advanced circuitry, OE-matched connectors, and meticulous assembly processes

Standard® Sensors are protected against electromagnetic interference for accurate, long-term performance in all conditions



Speed

Standard® Sensors deliver the data that control modules need in real time to keep every system operating as designed – no delays

Undergoes rigorous testing for operational temperature, extreme conditions, humidity, contamination, and mechanical service to ensure peak speed and performance



Durability

Integrated waterproof connectors keep moisture out

High-strength material and sealed cases prevent intrusion of dirt and debris

Protective sleeve prevents wires from chafing and creating short circuits*

*(where applicable)



A Complete Sensor Program

Standard® offers more than 100 different types of Sensors across multiple categories.

Standard® Sensors are engineered and tested for precision and to integrate correctly with the complex systems on today's vehicles.

The Standard® Sensor Program Includes

Chassis & Drivetrain Sensors

- ABS Speed Sensors
- Brake Pad Wear Sensors
- Brake Pedal Position Sensors
- Ride Height Sensors
- Transmission Input and Output Sensors
- Turbocharger Speed Sensors
- Vehicle Speed Sensors

Position Sensors

- Accelerator Pedal Position Sensors
- Camshaft Position Sensors
- Crankshaft Position Sensors
- EGR Valve Position Sensors
- Fuel Vapor / Vent Pressure Sensors
- Throttle Position Sensors

Fluid Level Sensors

- Brake Fluid Level Sensors
- Coolant Level Sensors
- Engine Oil Level Sensors
- Fuel Level Sensors
- Windshield Washer Level Sensors

ADAS Sensors

- Blind Spot Detection Sensors
- Cruise Control Distance Sensors
- Park Assist Sensors
- Steering Angle Sensors

Fuel Sensors

- Diesel Injection Control Pressure Sensors
- Diesel Nitrogen Oxide (NOx) Sensors
- Flex Fuel Sensors
- Fuel / Water Separator Sensors
- Knock Sensors
- Mass Air Flow Sensors

Temperature Sensors

- Ambient Air Temperature Sensors
- Cabin Air Temperature Sensors
- Coolant Temperature Sensors
- Cylinder Head Temperature Sensors
- Engine Oil Temperature Sensors
- Exhaust Gas Temperature Sensors
- Intake Air Temperature Sensors

Pressure Sensors

- Diesel Particulate Filter Pressure Sensors
- Engine Oil Pressure Sensors
- Engine Variable Timing Oil Pressure Sensors
- EGR Valve Pressure Feedback Sensors
- Exhaust Back Pressure Sensors
- Fuel Pressure Sensors
- MAP Sensors
- Transmission Oil Pressure Sensors
- TPMS Sensors
- ...and more

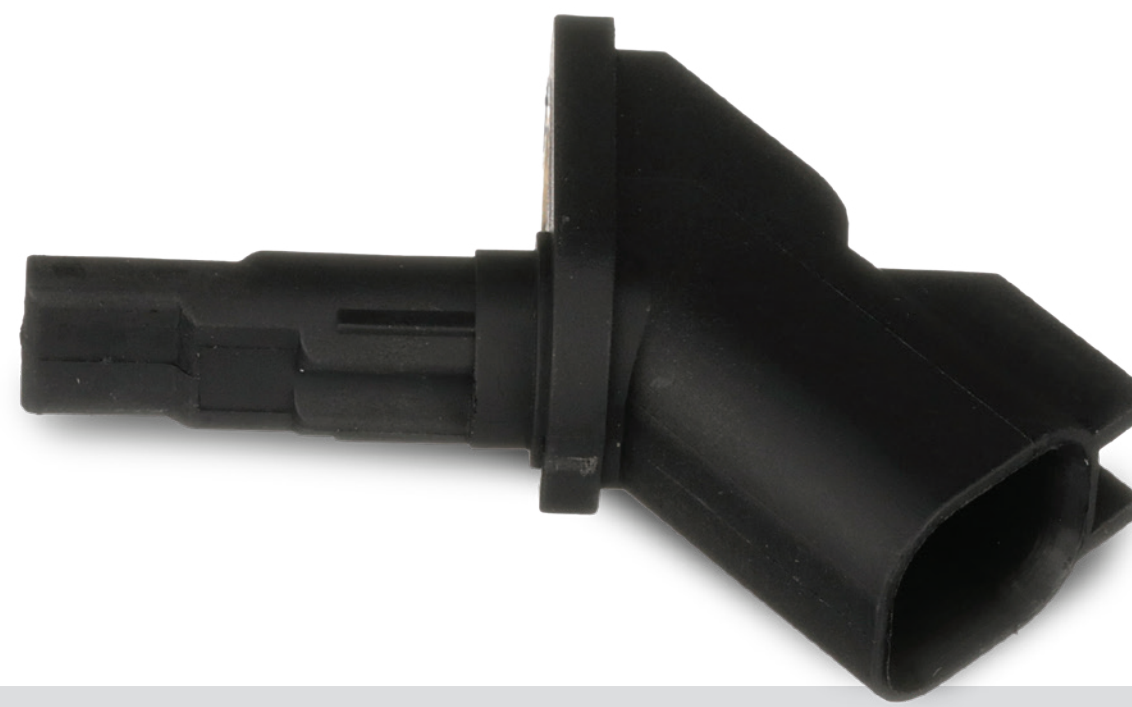


Up and Coming

ABS Speed Sensors

These ABS Speed Sensors have been released in the past few years and are increasing in popularity. Complex safety systems featured in new vehicles depend on real-time data from ABS sensors. Standard® is regularly delivering new numbers to make sure technicians have the coverage needed to get their customers back on the road.

For the most recent applications, check the online catalog at **StandardBrand.com**.



ALS2249

Front
Ford / Lincoln / Volvo
Cars, SUVs & Vans
(2023-04) VIO: 3.9M



ALS2379

Rear
Ford / Lincoln
Cars & SUVs
(2019-12) VIO: 2.2M



ALS2378

Rear
Ford / Lincoln
Cars, SUVs & Vans
(2023-12) VIO: 660K



ALS2631

Front
GM Trucks & SUVs
(2020-14)
VIO: 4.2M



Up and Coming

Cam / Crank Sensors

These Cam / Crank Sensors have been released in the past few years and are increasing in popularity. Standard® offers more than 800 Cam and Crank Sensors, representing 560 million repair opportunities. New Sensors are introduced regularly to make sure technicians have the late-model coverage they need.

For the most recent applications, check the online catalog at **StandardBrand.com**.



PC950

Camshaft Sensor
Chrysler / Dodge / Jeep / RAM
Cars, Trucks, SUVs & Vans
(2025-11) VIO: 11.2M



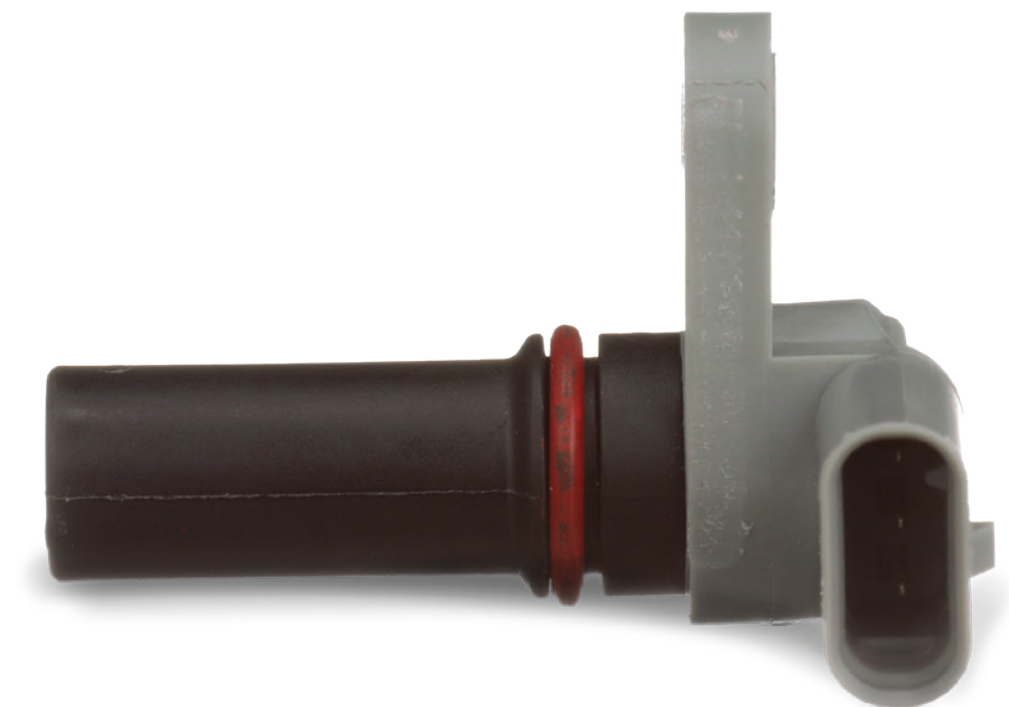
PC934

Crankshaft Sensor
Hyundai / Kia
Cars & SUVs
(2024-10) VIO: 4.9M



PC559

Camshaft Sensor
Toyota / Lexus
Cars, Trucks & SUVs
(2024-05) VIO: 22.3M



PC915

Camshaft Sensor
Ford / Lincoln
Cars, Trucks, SUVs & Vans
(2025-11) VIO: 8M

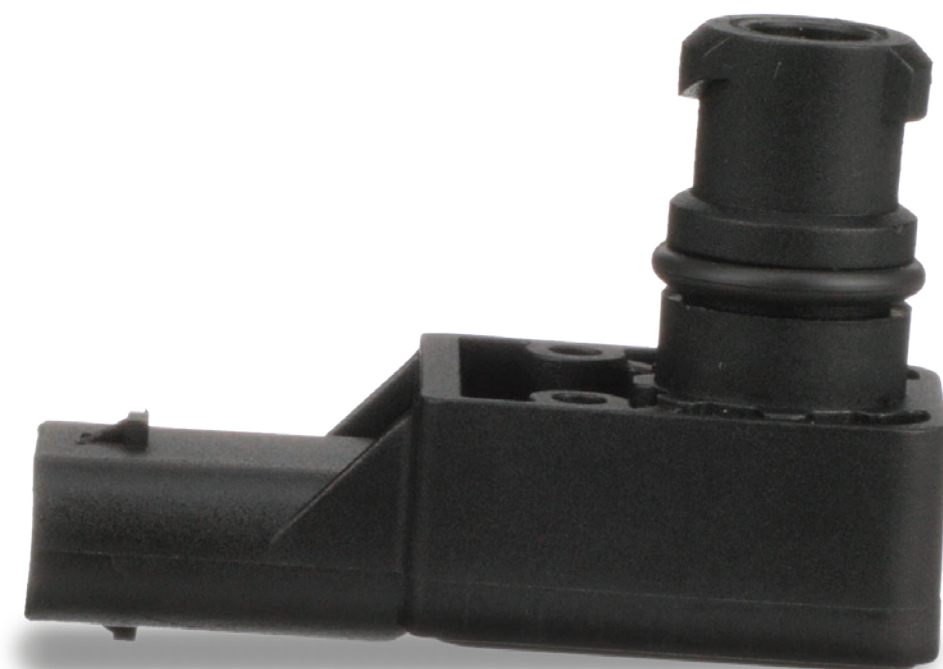


Up and Coming

MAP Sensors

These MAP Sensors have been released in the past few years and are increasing in popularity. Standard® offers more than 250 Manifold Absolute Pressure (MAP) Sensors, covering 275 million vehicles on the road. Standard® is committed to regularly introducing new MAP Sensors to cover late-model import and domestic vehicles.

For the most recent applications, check the online catalog at **StandardBrand.com**.



AS446

Chrysler / Dodge / Jeep / RAM
Cars, Trucks, SUVs & Vans
(2025-11) VIO: 11.5M



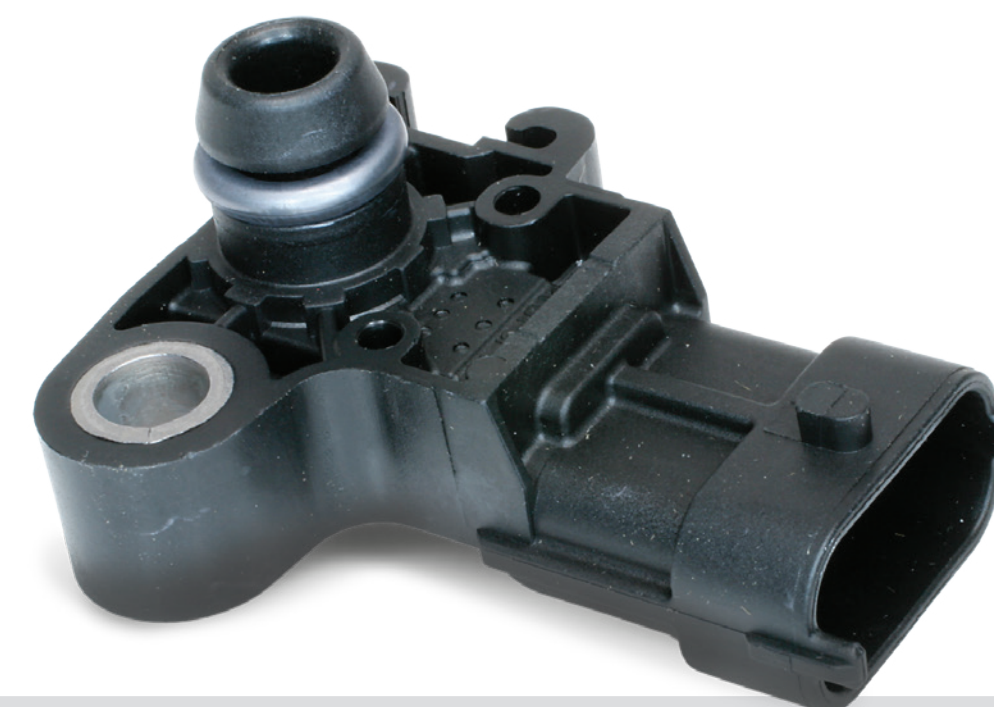
AS434

Ford
Trucks
(2019-11) VIO: 1.4M



AS637

Ford / Lincoln
Cars, Trucks, SUVs & Vans
(2025-15) VIO: 4.4M



AS372

GM
Cars, Trucks & SUVs
(2024-07) VIO: 10.2M



TOP MOVERS RANKED:

ABS Speed Sensors

**IMPORT
APPLICATIONS**



ALS685

Left Front / Left Rear
Toyota / Lexus
Trucks & SUVs
(2025-03)

1



ALS684

Right Rear
Toyota / Lexus
Trucks & SUVs
(2025-03)

2



ALS1442

Front
Nissan
Cars
(2014-07)

3



ALS1553

Left Front
Honda / Acura
Cars
(2014-08)

4



ALS1564

Right Front
Honda / Acura
Cars
(2014-08)

5

**DOMESTIC
APPLICATIONS**



ALS1932

Rear
Dodge / Jeep
SUVs
(2018-07)



ALS1918

Front
Jeep
SUVs
(2018-07)



ALS482

Front
GM
Trucks, SUVs & Vans
(2014-99)



ALS2249

Front
Ford / Lincoln / Volvo
Cars, SUVs & Vans
(2023-04)



ALS1465

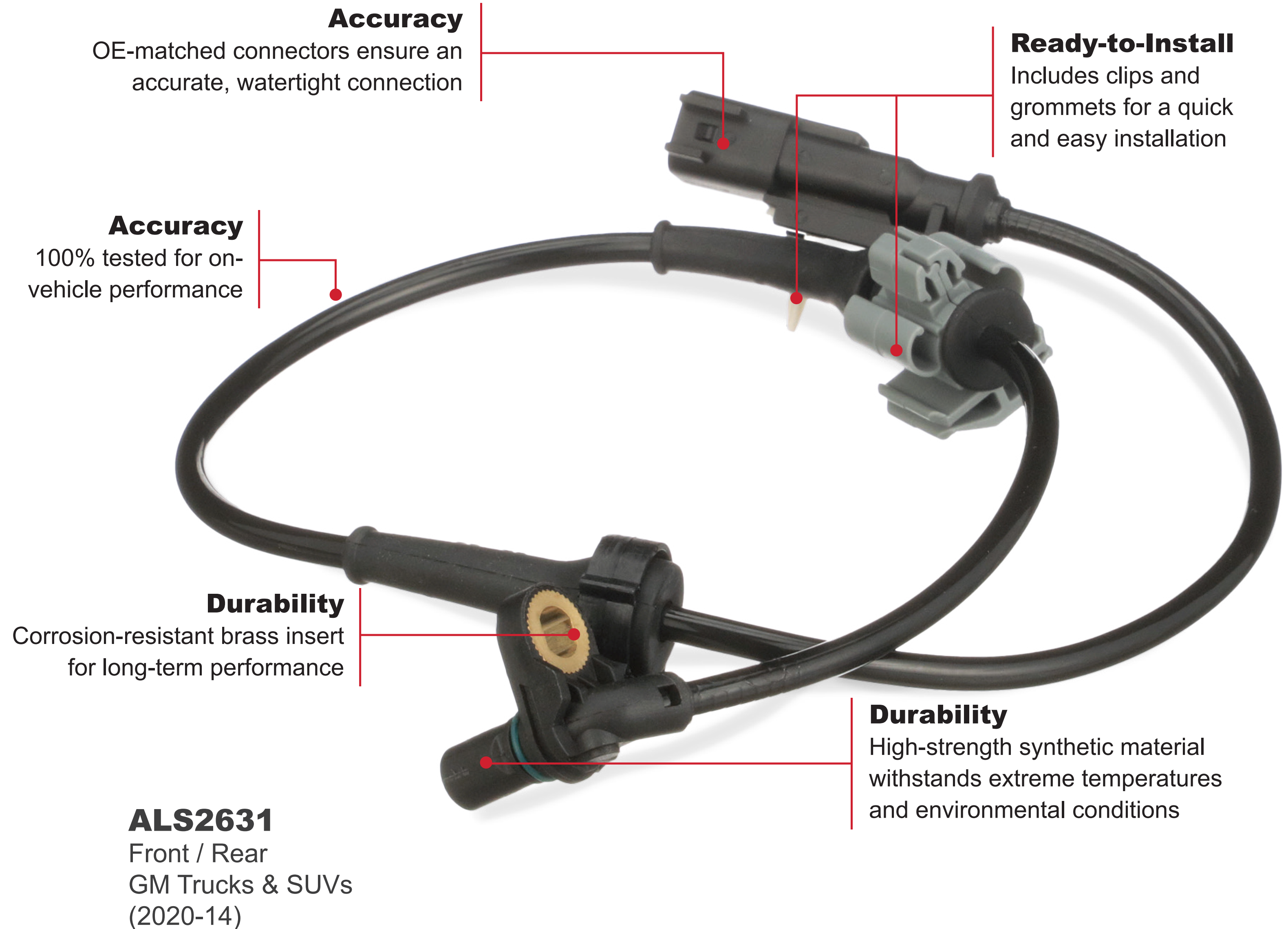
Front
GM
Trucks & SUVs
(2014-07)



Engineering & Performance

Standard® ABS Speed Sensors are designed to provide consistent performance, matching the OE for precise function. Features such as superior magnetic circuit materials are engineered into our Sensors to deliver higher voltage output and prevent ABS system failure.

Superior design is one reason Standard's ABS Sensors perform under all conditions, like the original.



Engineering & Performance

The ABS speed sensors on some newer vehicles measure more than just the speed of each wheel. They also monitor the direction in which the wheel is rotating. A wheel that is rotating backwards will send a unique signal to the ECU that lets the vehicle know the speed and direction of that wheel. This data is used by the electronic safety systems to help keep everyone in the vehicle safe.

In recent years, ABS speed sensors have taken on additional responsibilities in safety systems. Electronic stability control, hill hold assist, and automated braking all depend on ABS sensors to function properly.



Aftermarket Competitor

Uses one simple sensor to measure wheel speed

Generates the same signal for forward and reverse

Doesn't give the ECU enough information, especially in emergency situations



Standard[®] ALS684

Uses multiple microsensors to measure wheel speed and wheel rotation

Generates separate signals for forward and reverse

Provide the ECU with accurate and complete information to keep crash avoidance systems operating as designed

TOP MOVERS RANKED:

Cam and Crank Sensors

**IMPORT
APPLICATIONS**



PC934

Crankshaft Sensor
Hyundai / Kia
Cars & SUVs
(2024-10)

1



PC461

Camshaft / Crankshaft Sensor
Nissan / Infiniti
Cars, Trucks, SUVs & Vans
(2021-02)

2



PC460

Camshaft Sensor
Nissan / Infiniti
Cars, Trucks, SUVs & Vans
(2021-02)

3



PC715

Crankshaft Sensor
Nissan
Trucks, SUVs & Vans
(2021-05)

4



PC559

Camshaft Sensor
Toyota / Lexus
Cars, Trucks & SUVs
(2024-05)

5

**DOMESTIC
APPLICATIONS**



PC643

Camshaft Sensor
Ford / Lincoln / Mercury
Cars, Trucks, SUVs & Vans
(2019-90)



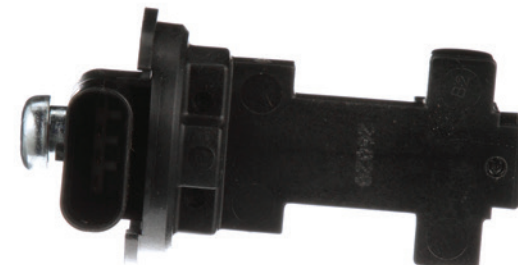
PC684

Crankshaft Sensor
Chrysler / Dodge / Jeep
Cars, Trucks & SUVs
(2020-05)



PC748

Camshaft Sensor
Chrysler / Dodge / Jeep / RAM
Cars, SUVs & Vans
(2025-07)



PC950

Camshaft Sensor
Chrysler / Dodge / Jeep / RAM
Cars, Trucks, SUVs & Vans
(2025-11)



PC123

Crankshaft Sensor
GM
Trucks, Vans & SUVs
(2007-92)

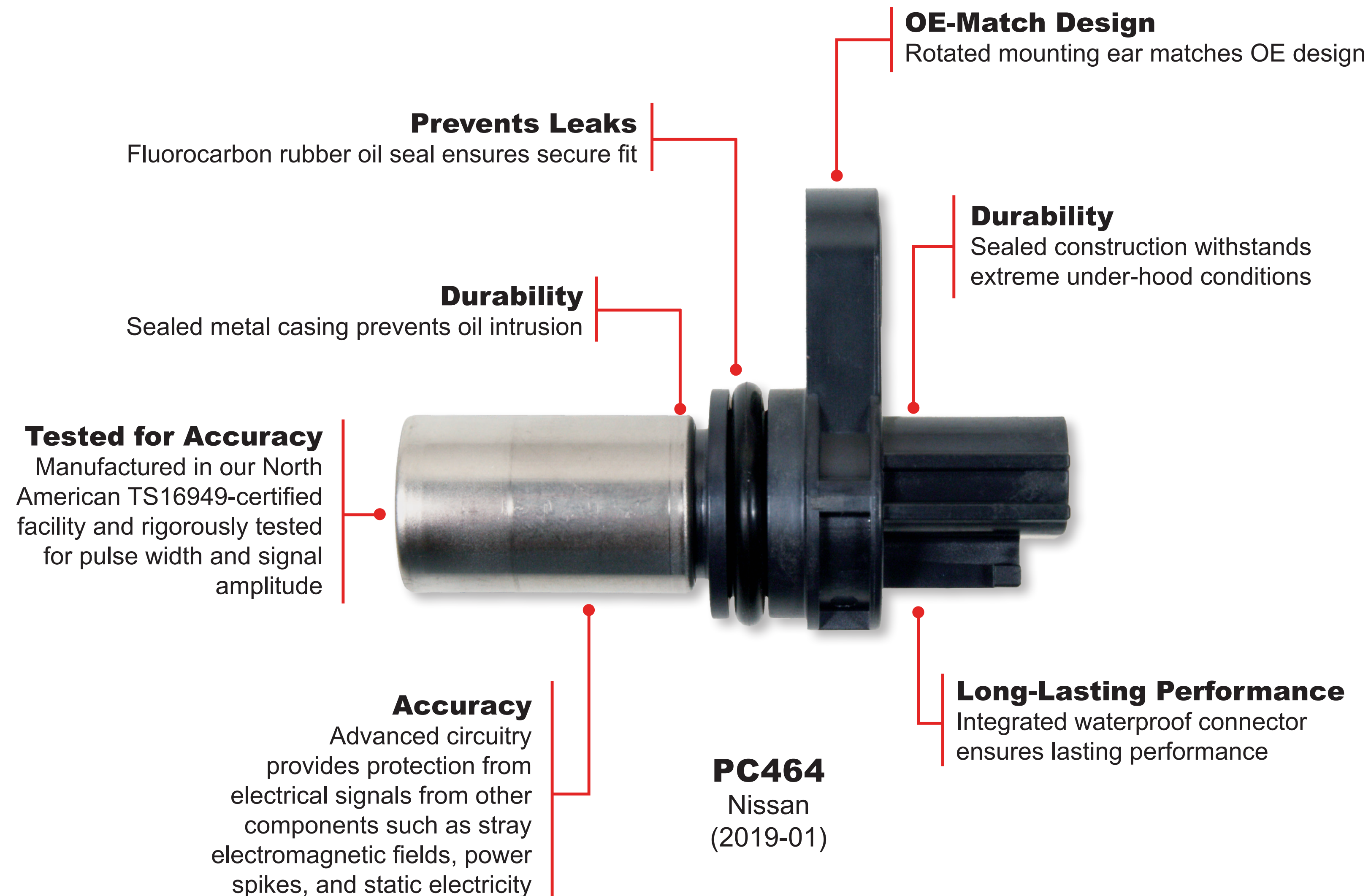


Camshaft Sensors

The performance of variable valve timing on modern engines is dependent on real-time data from the camshaft position sensors. This is why every Standard® Camshaft Sensor is designed for accurate performance, fast processing, and long-term durability. We put each unit through end-of-line timing, pulse width, and signal amplitude testing.

Standard® Camshaft Position Sensors include multiple design features for accuracy, speed and durability.

Standard® Camshaft Position Sensors



Kits for a Complete Job

Blue Streak® high-quality Camshaft Sensor Kits provide technicians with all of the parts needed to do the complete job right, every time.

Our enhanced Kits include two Blue Streak® Camshaft Sensors along with the high-quality connectors to replace the melted or damaged original parts.

We offer more than 20 Camshaft Sensor Kits, with more kits on the way.

Blue Streak® Camshaft Sensor Kits

Integrated Analog to Digital Converter

Sends a digital signal to the ECM for precise timing to optimize fuel economy and performance

Fluorocarbon Rubber Oil Seal

Ensures secure fit

Sealed Construction

Withstands extreme underhood conditions to ensure durability

Complete Kit

Includes two new precision sensors and high-temp connectors for a complete repair

Advanced Circuitry

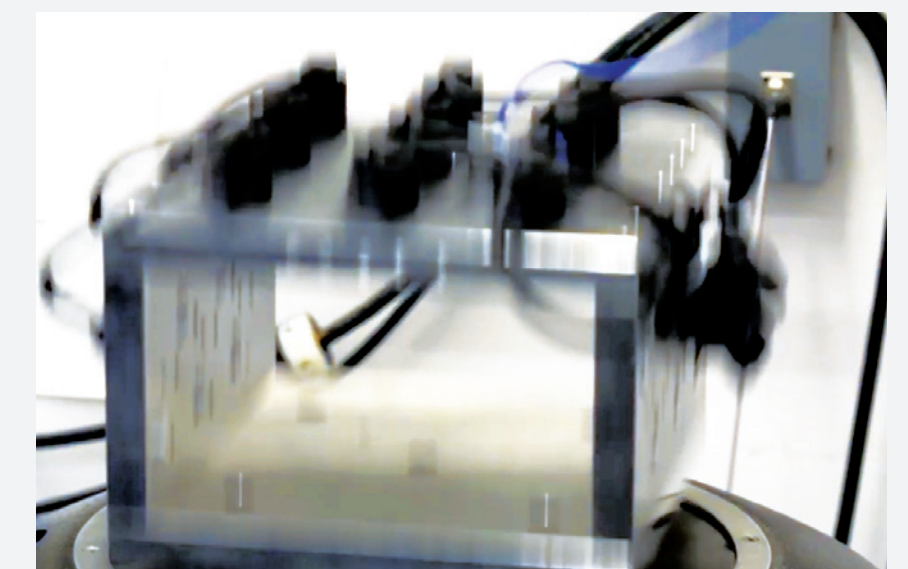
Provides immunity from electromagnetic interference that meets ISO standards

PC460K

Nissan / Infiniti
Cars & Vans
(2018-02)

Testing and Validation

Our Camshaft Sensors undergo 48- to 64-hour vibration tests to ensure performance under the harshest conditions. Each sensor is subjected to end-of-line timing, pulse width, and signal amplitude testing.



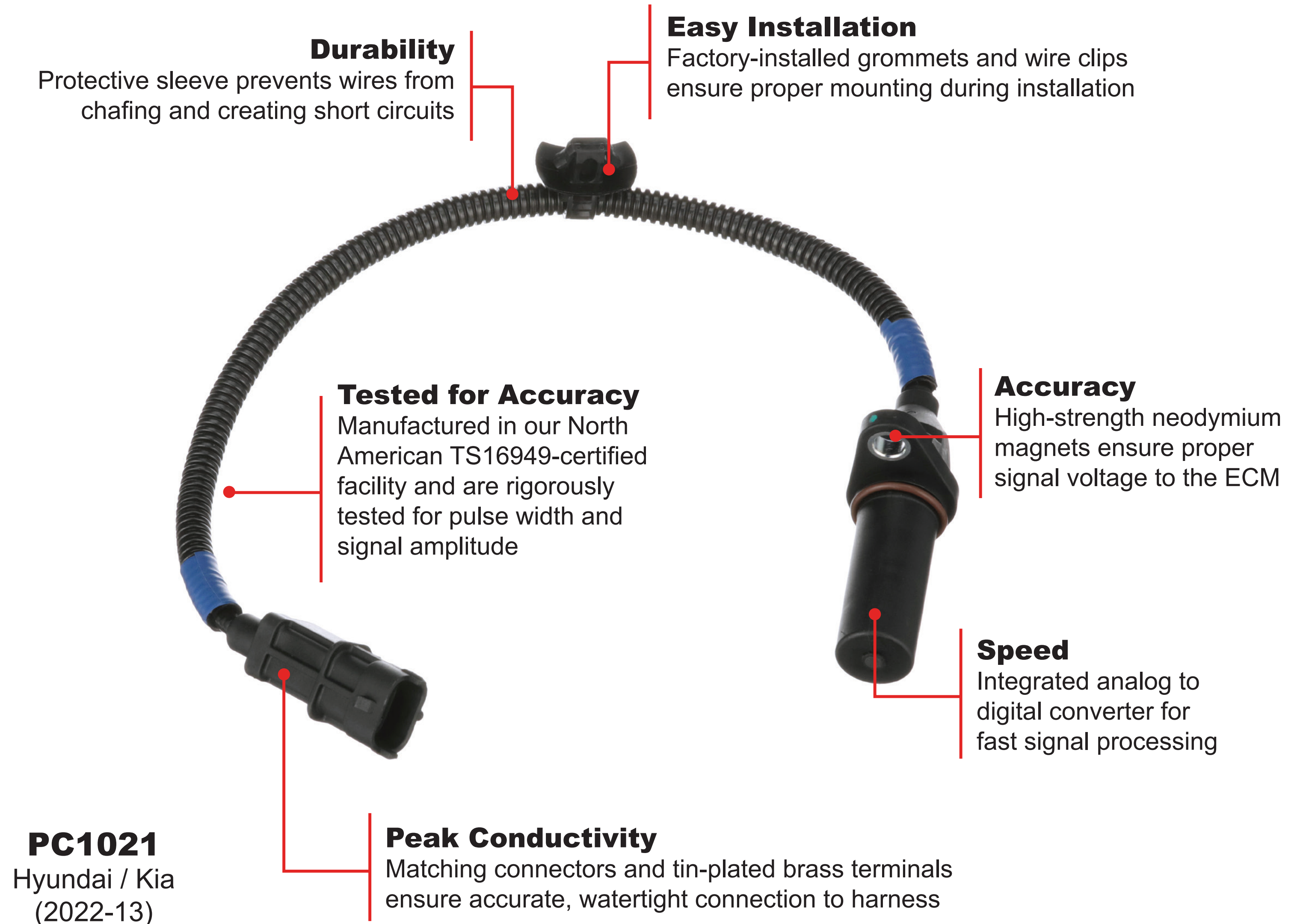
Sensor Program

StandardBrand.com

Crankshaft Sensors

Correct ignition timing depends on quick and accurate data from the crankshaft position sensors. All Standard® Crankshaft Position Sensors are precision engineered and manufactured for accuracy, speed and durability. To ensure operation under extreme conditions, our Crankshaft Position Sensors are subjected to extensive testing including a 48- to 64-hour-long vibration test across three different planes.

Standard® Crankshaft Position Sensors



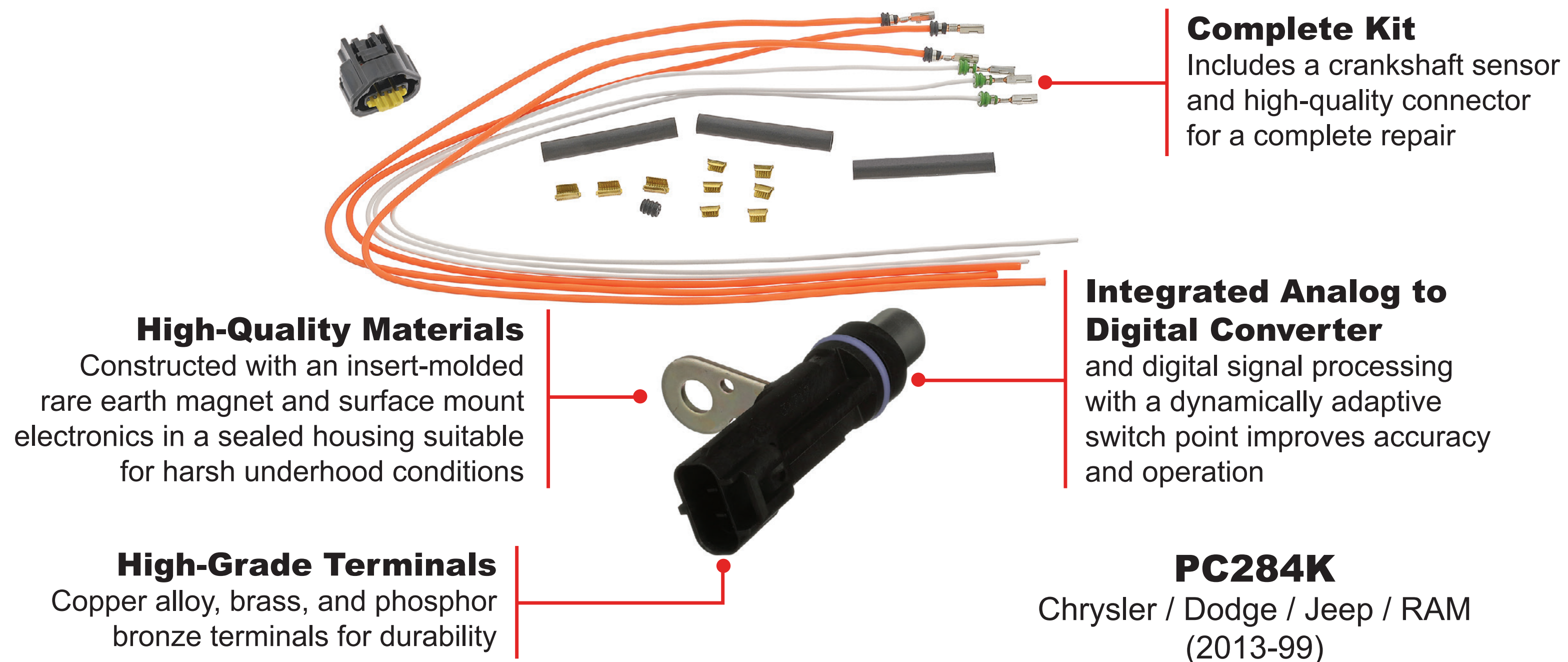
Kits for a Complete Job

Blue Streak® developed high-quality Crankshaft Sensor Kits to provide technicians with what they need to do the complete job.

Blue Streak® Kits contain premium Crankshaft Sensors along with a high-quality electrical connector to replace the melted or damaged original parts.

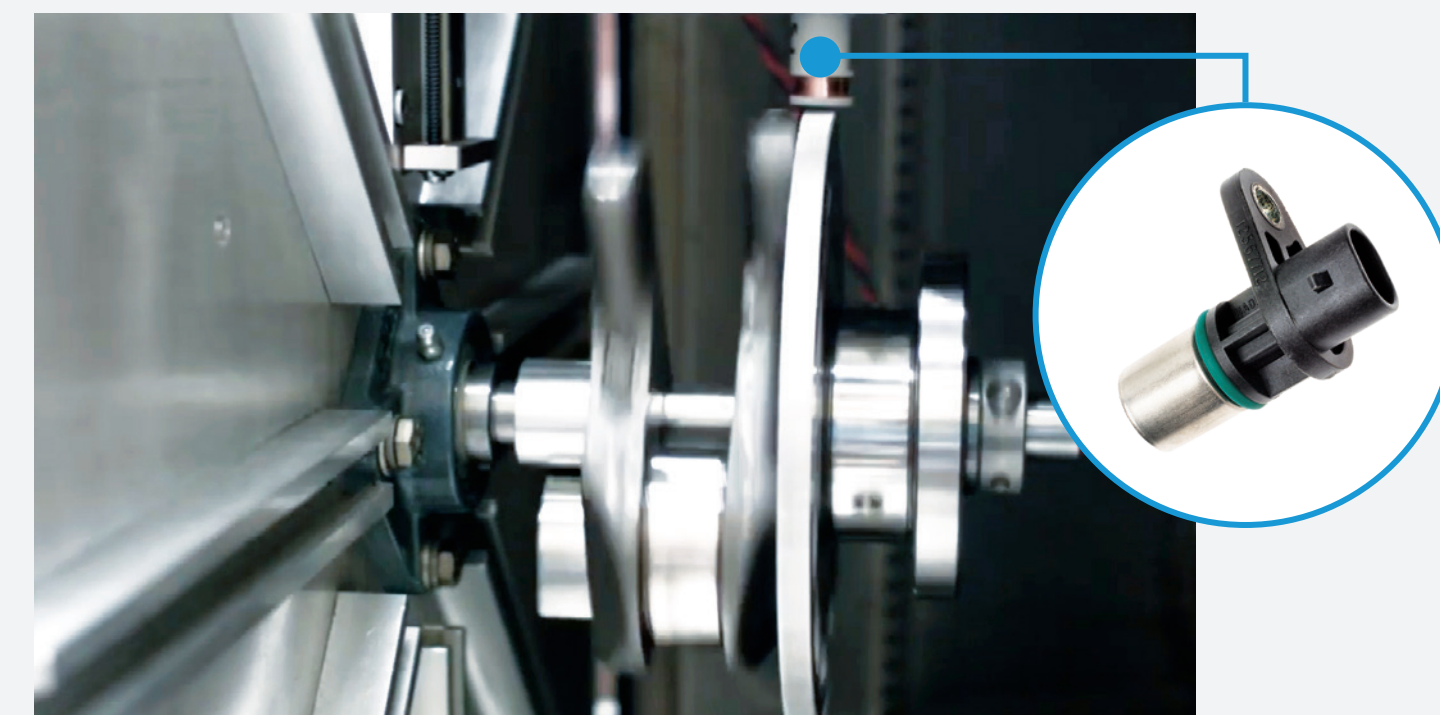
We offer more than 20 Crankshaft Sensor Kits, with more kits on the way.

Blue Streak® Crankshaft Sensor Kits



Testing and Validation

Our Crankshaft Sensors undergo chamber testing that cycles from -40 degrees to 257°F. This testing is performed to ensure our Crank Sensors maintain accuracy during extreme temperature conditions.



Standard® Quality

Manifold Absolute Pressure (MAP) sensors convert vacuum / manifold pressure to an electric signal. The real-time information is used for both fuel delivery and ignition.

Did You Know

Many modern turbocharged engines utilize both MAP and Mass Air Flow (MAF) sensors to provide the vehicle's computer with precise information.

Standard® MAP Sensors

Accuracy

100% tested to ensure variations in pressure generate the correct output to match OE performance in all conditions

Peak Conductivity

Utilizes precise automated wire bonding and inspection processes to ensure consistent and reliable electrical connections

AS417

Hyundai / Kia
(2025-08)

Durability

High-temperature, glass-reinforced plastic case forms a hermetically sealed cavity for the sensor on one side, with a port for pressure on the other



Standard[®] Quality

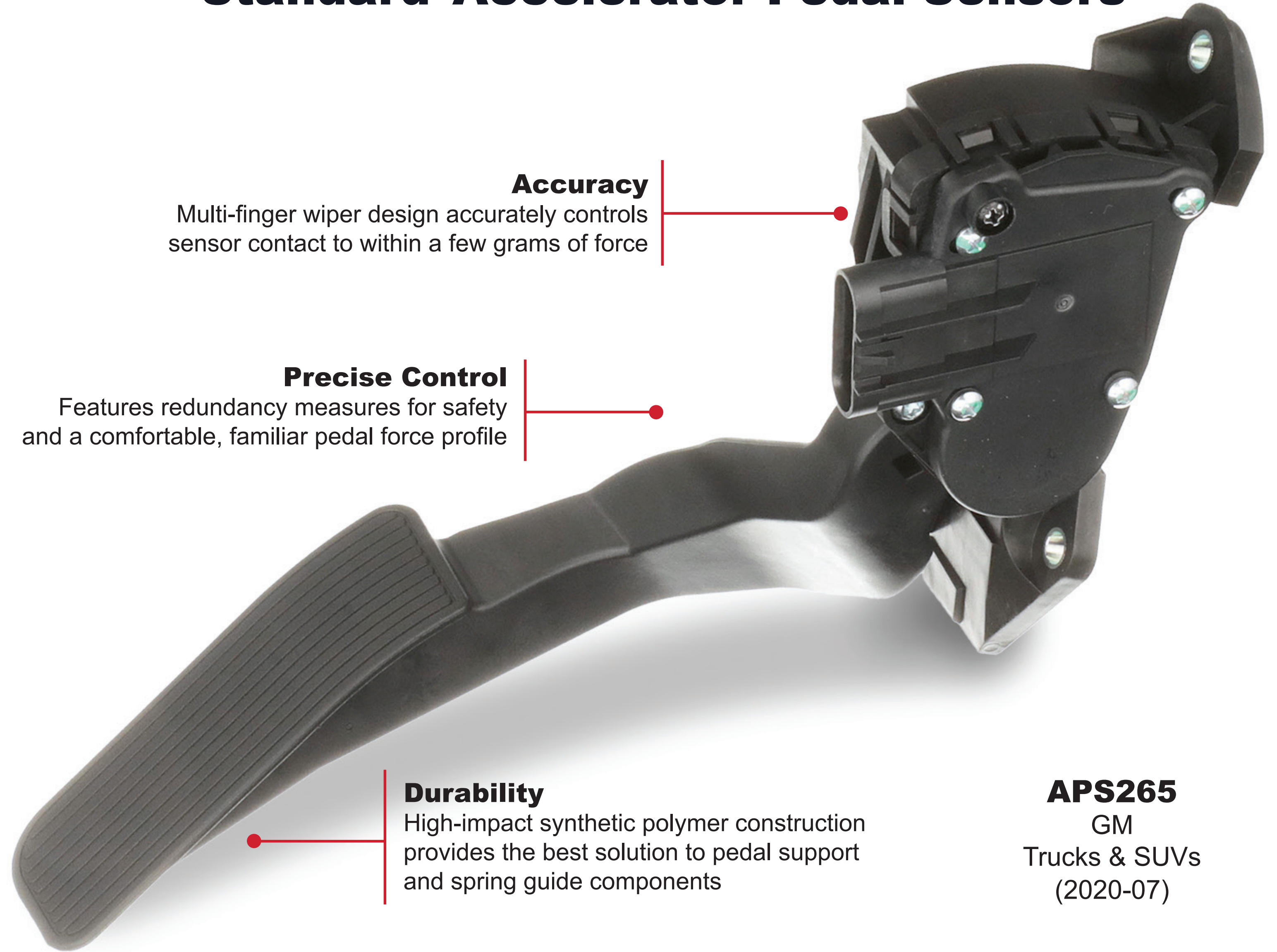
The performance and accuracy of accelerator pedal sensors is critical to safety, vehicle performance, and fuel economy. Standard® has over 300 Accelerator Pedal Sensors covering 260 million vehicles.

Standard® Sensors undergo intense testing to make sure the output matches the slope and linearity of the original in all pedal positions.

Standard® Pro Training Tip

On many vehicles, when the accelerator pedal sensor has been replaced, a relearn/recalibration is required. Always refer to service information when replacing any sensor to see what additional procedures are required.

Standard[®] Accelerator Pedal Sensors



Accuracy

Multi-finger wiper design accurately controls sensor contact to within a few grams of force

Precise Control

Features redundancy measures for safety and a comfortable, familiar pedal force profile

Durability

High-impact synthetic polymer construction provides the best solution to pedal support and spring guide components

APS265

GM
Trucks & SUVs
(2020-07)



Sensor Program

StandardBrand.com

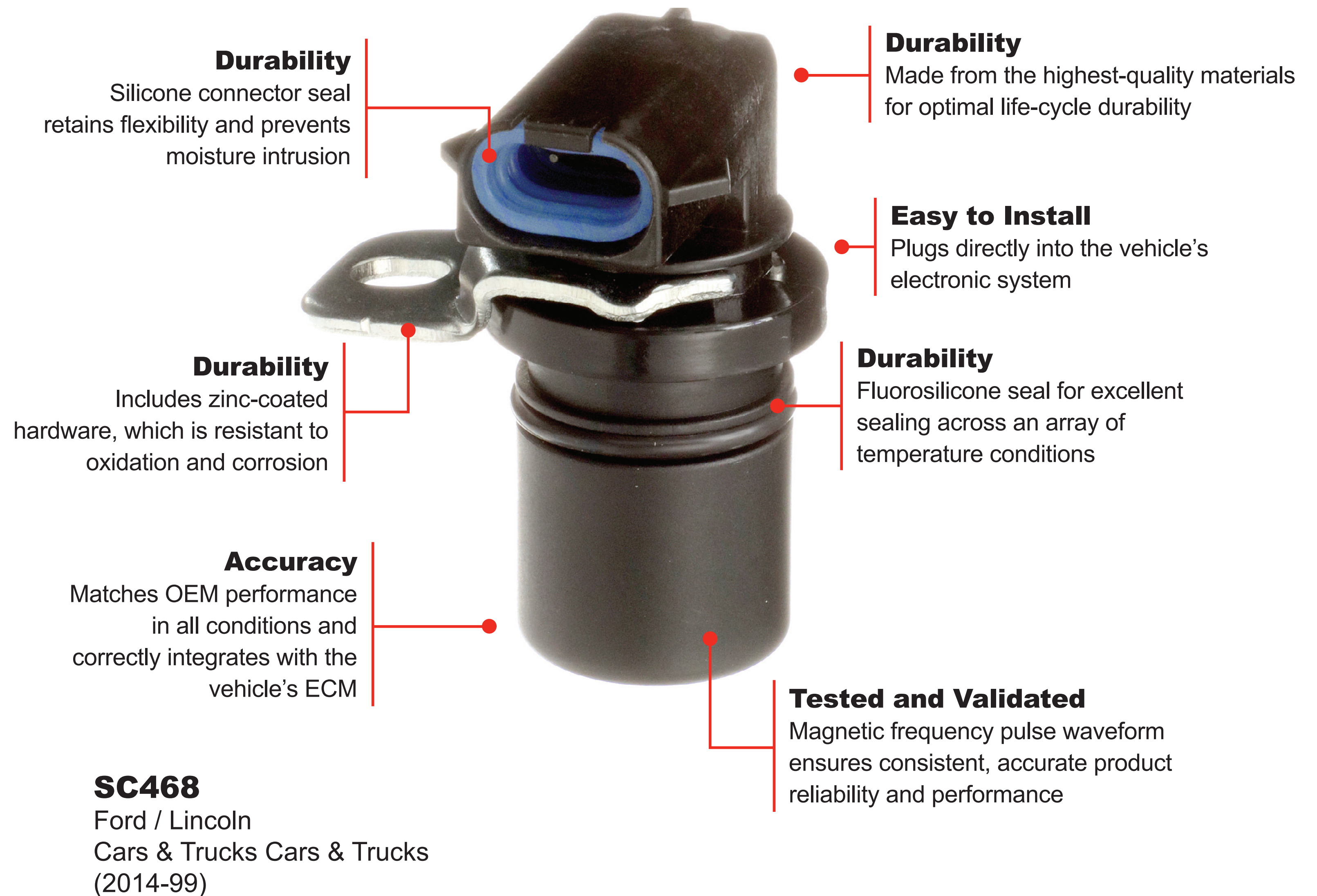
Standard® Quality

As an expert manufacturer, we have complete control of the process to deliver a trouble-free sensor. All Standard® Vehicle Speed Sensors (VSS) undergo environmental and endurance testing for signal amplitude and polarity to ensure consistent product reliability and application-specific performance.

Standard® Pro Training Tip

VSS can be located in various locations such as in the transmission or in the differential. These locations expose the sensor to oil, road debris, and salt. Experts recommend replacing the electrical connector when a new sensor is installed.

Standard® Vehicle Speed Sensors



ADAS Sensor Program

Advanced driver assistance systems (ADAS) rely on multiple sensors to provide real-time data to both the driver and the vehicle. Sensors that have failed or are not correctly calibrated may put the motorist and the occupants at risk.

StandardBrand.com includes the most up-to-date information on our latest ADAS components.



Blind Spot Detection Sensors

Standard® BSD Sensors are direct-fit replacements to ensure proper fit and performance. All BSD Sensors undergo extensive quality testing and product validation.

70+ SKUs / VIO: 41M



Steering Angle Sensors

Standard® Steering Angle Sensors are rigorously tested for proper fit and precise performance to match the original application they are replacing.

250+ SKUs / VIO: 268M



Cruise Control Distance Sensors

Designed and manufactured to stringent quality standards to match the original for an easy install and to deliver precise performance.

40+ SKUs / VIO: 31M



Park Assist Sensors

Standard® Park Assist Sensors are direct-fit replacements utilizing advanced ultrasonic technology that exactly matches the detection capabilities of the original sensors.

190+ SKUs / VIO: 218M



TPMS Program

Standard® offers both QWIK-SENSOR® Multi-Frequency Sensors and pre-programmed OE-Match Sensors. The QWIK-SENSOR® can be quickly programmed to fit almost any vehicle. OE-Match Sensors can be installed right out of the box without any programming.

StandardTPMS.com features additional information on our TPMS Sensors, Service Kits, and Programming Tools.

QWIK[®] **sensor**
MULTI-FREQUENCY
Programmable TPMS Sensors



Available with rubber or metal valve stems

Available in multipacks of 25

Can be programmed on or off of the vehicle

Works on both domestic and import vehicles with 314.9 MHz to 434 MHz systems

Military-grade lithium battery for maximum battery life

STANDARD **OE-Match**
TPMS
SENSORS



Pre-programmed at the factory with exact OE protocol, so it's ready to install

Direct-fit replacement that matches the fit and performance of the original

Military-grade lithium battery for maximum battery life



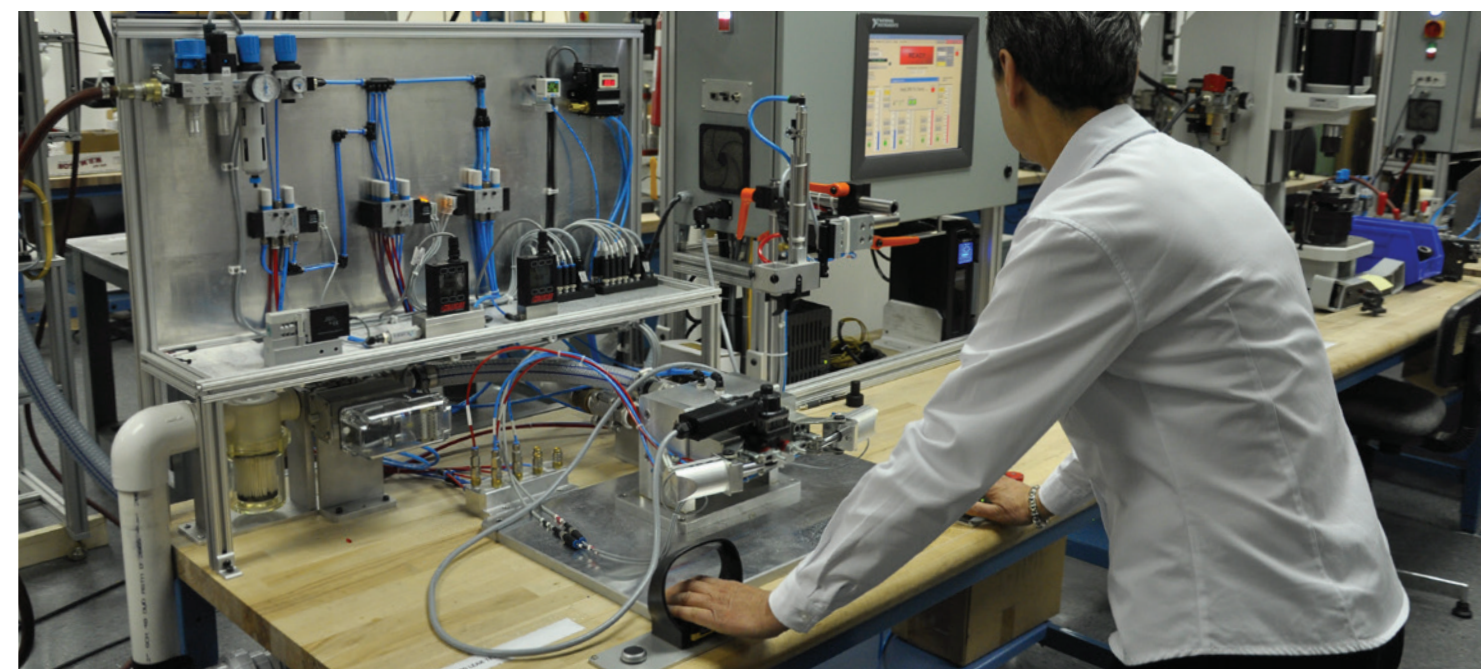
Sensor Program

StandardBrand.com

Precision Manufacturing and Testing

Standard® controls the entire manufacturing process, from raw materials to end-of-line testing, and our facilities are IATF 16949, ISO 9001, and ISO 14001 certified.

With 13 design and development centers worldwide, we are able to engineer and deliver the best-performing automotive replacement parts.



In-Lab and End-of-Line Testing

Standard® Sensors are subjected to precise validation and environmental analysis to ensure that each component will perform under the harshest conditions.

Before a part can be placed in the Standard® box, it must also pass a strict and comprehensive end-of-line test.



On-Vehicle Validation

To ensure that every Standard® component correctly integrates within the complex electronic systems on today's vehicles, our extensive quality control process is supported by live on-vehicle testing at the Standard® Vehicle Testing Center in Texas.



Related Parts

Sensor Connectors

In addition to nearly 90 different Sensor categories, we also offer thousands of Connectors technicians may need to get their customers back on the road.

For a comprehensive look at available Connectors, visit **StandardBrand.com**.

Standard® Sensor Connectors

ABS Sensor Connectors

Accelerator Pedal Sensor Connectors

Air Intake Temperature Sensor Connectors

Ambient Air Temperature Sensor Connectors

Blind Spot Detection Sensor Connectors

Blower Motor Connectors

Camshaft Position Sensor Connectors

Coolant Temp Sensor Connectors

Crankshaft Position Sensor Connectors

Cruise Control Distance Sensor Connectors

EGR Valve Position Sensor Connectors

Engine Oil Level Sensor Connectors

Engine Oil Temperature Sensor Connectors

Engine Speed Sensor Connectors

Exhaust Gas Temperature Sensor Connectors

Fuel Pressure Sensor Connectors

Knock Sensor Connectors

Mass Air Flow Sensor Connectors

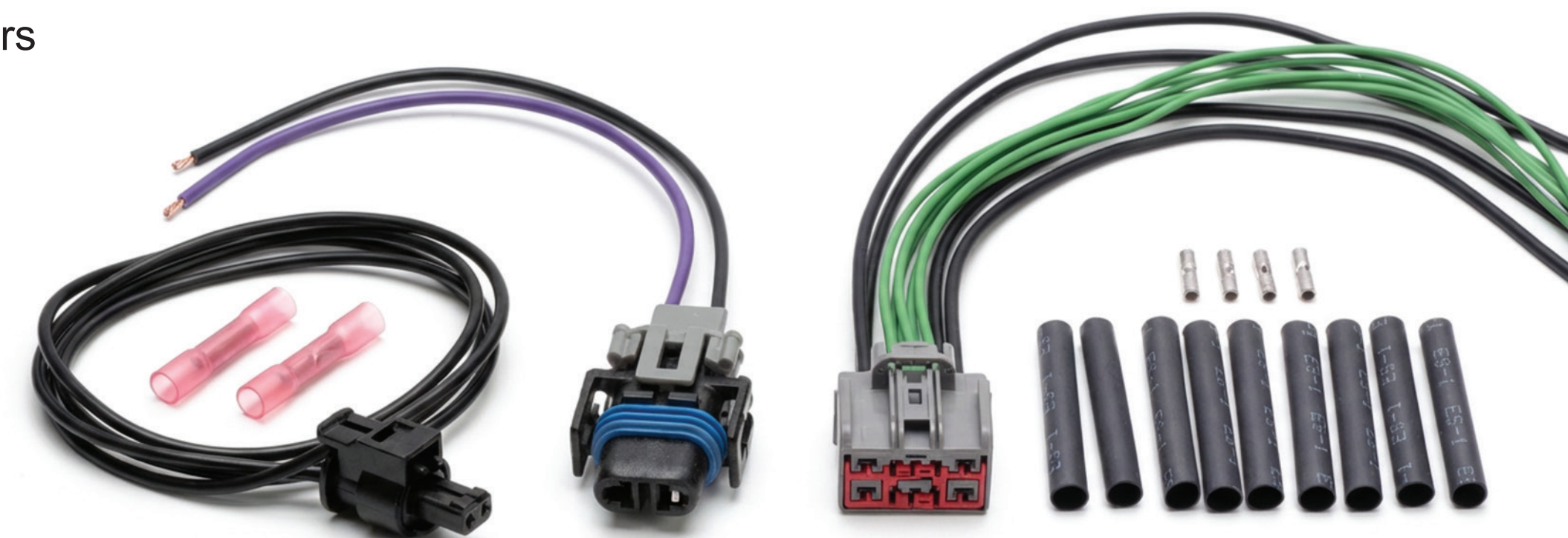
Misfire Sensor Connectors

Oxygen Sensor Connectors

Park Assist Sensor Connectors

Steering Angle Sensor Connectors

Vehicle Speed Sensor Connectors

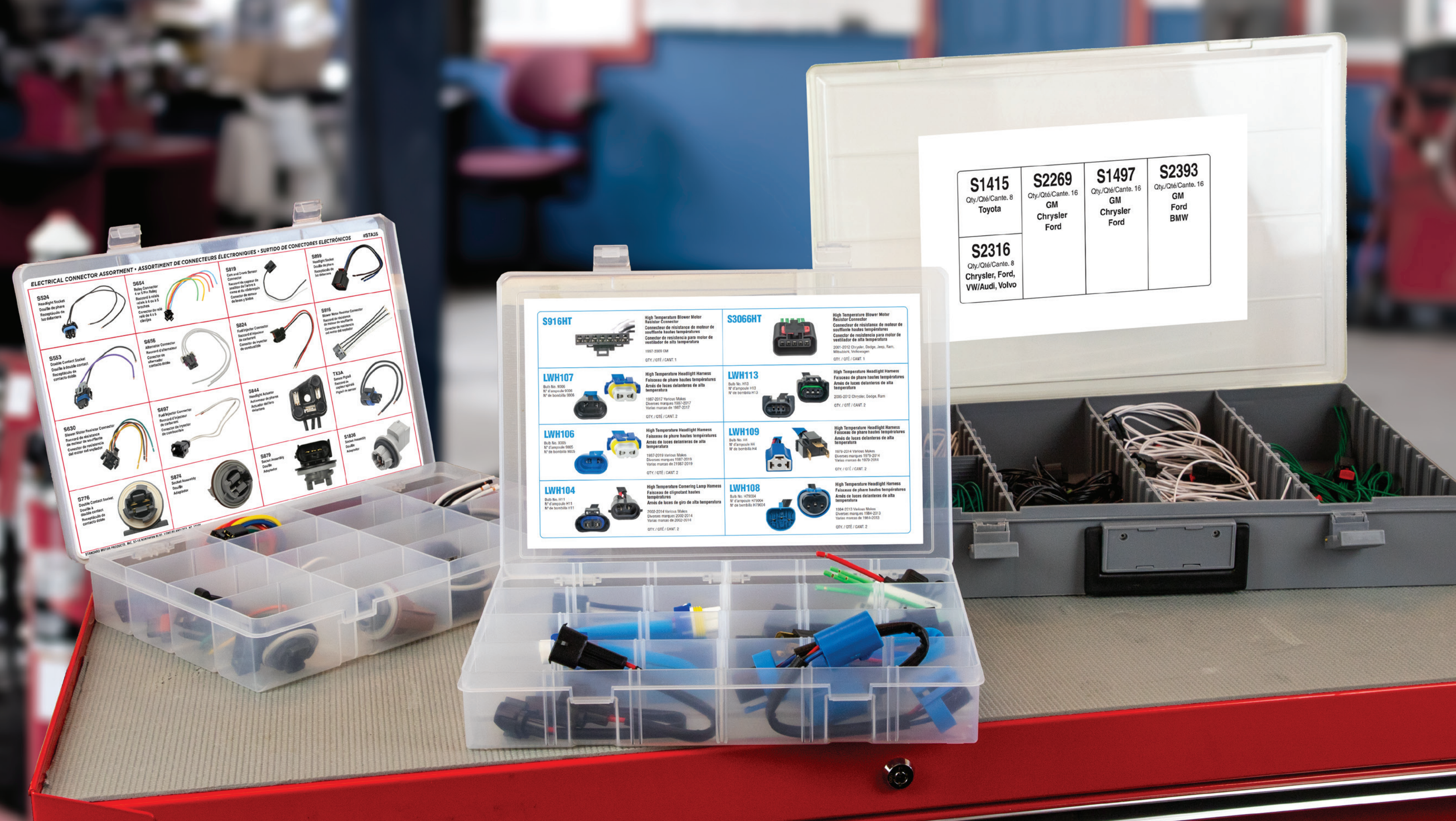


Connector Kits

Standard® and Blue Streak® Connector Kits are designed to help technicians tackle common and high-demand electrical repairs with speed and efficiency.

Each Kit includes a selection of popular, high-quality electrical connectors.

Organized storage and clear labeling make it easy to find the right part quickly, reducing downtime and streamlining the repair process in mechanical and collision repair shops.



Electrical Connector Kit

STA35

Includes 16 popular wire pigtails and sockets, making it an ideal solution for automotive repair and collision repair facilities.

High-Temp Connector Kit

HTA41

Includes high-temperature connectors, designed for applications such as blower motor resistors, headlight harnesses, and lamp harnesses.

Park Assist Sensor Connector Kit

PPS1K

Includes 5 of the most commonly used connectors for park assist sensors.



Standard[®] Pro Training Tech Tips

As experienced ASE-certified automotive technicians themselves, Standard[®] Pro Trainers are experts in engine and sensor technology.

Here's what they say to look out for when replacing a sensor.



When replacing a crankshaft position sensor, make sure the appropriate relearn is performed. Failing to do so may cause the vehicle to misfire and run poorly



When replacing an ABS sensor, remove any rust buildup on the mounting surface to ensure that the sensor is mounted in the exact proximity to the tone ring. Failure to do so may result in inaccurate speed readings



Standard[®] Professional Training

Award-Winning In-Person, Live Virtual, and Online Learning

Standard[®] Pro Training delivers accredited classes that educate technicians in the latest automotive repair technologies, and techs can earn CEU credits. An extension of Standard[®] training, our extensive YouTube video library has over 750 technical and installation videos.

All classes are taught by ASE
Certified Master Automotive
Technicians.



Accredited
Training
Provider



Sensor Program



Available Classes

Applied Voltage Drop Testing
Brain Teasers
GM Electric Powertrain Management
Labscope
Modern Cylinder Deactivation
Techniques and Tips
Rapid Sensor and Circuit Testing
SENT Sensor Overview
Vehicle Electronic Fundamentals 1-7



Available Classes

Advanced Drivability Diagnosis
Electronic Chassis Control Diagnosis
and Repair
Ignition System and Cam/Crank
Synchronization
Labscope Power User
Powertrain Electronics
Torque Management and Electronic
Throttle Control
Unleash the Power of Your Scan Tool
Vehicle Voltage Control Systems



For information on replacing sensors, search “Sensors” on
the **Standard Brand** YouTube channel or scan the QR code
for the [Sensors Playlist](#)



StandardBrandTraining.com