

UNDERCAR PROGRAM



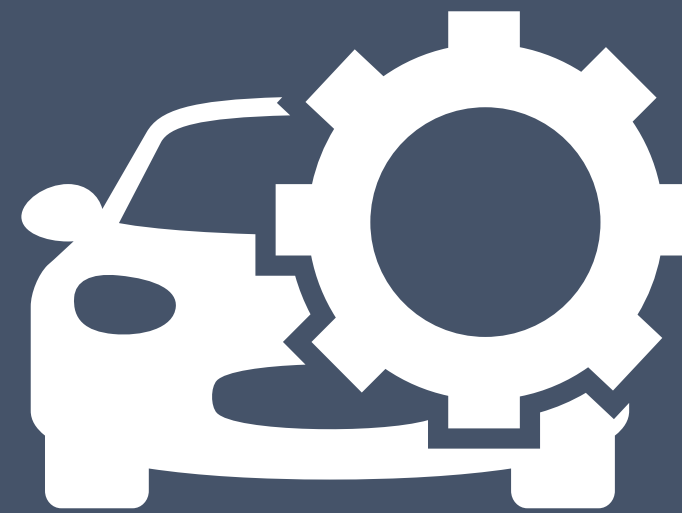
WHAT'S IN YOUR BOX?™

HERE'S WHAT'S IN OURS.



3,500+
UNDERCAR PARTS

Standard® offers more than 3,500 undercar components in nine key categories



The Standard® Undercar program includes ABS Sensors, Ride Height Sensors, Transfer Case Motors and more



These components are direct-fit replacements and undergo extensive testing and on-vehicle validation to ensure proper performance

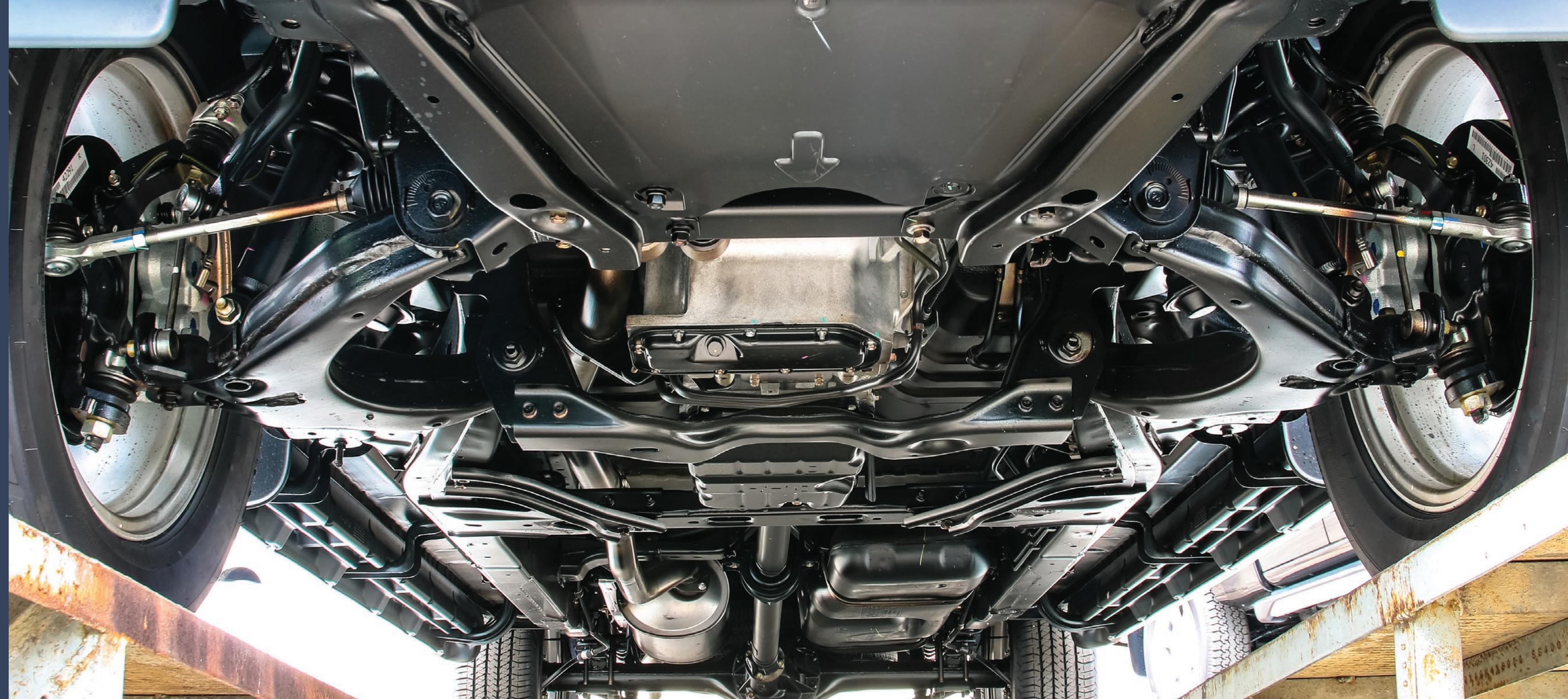


Undercar Program

StandardBrand.com

What is the Standard® Undercar Program?

For over 100 years, Standard® has been known for its engine management product line. As vehicles have become more complex, we have grown to offer many of the sensors, actuators, and other components found on modern vehicles.



The Standard® Undercar Program includes the highly sensitive sensors and components located under today's vehicles. These parts include:

- ABS Sensors
- Four Wheel Drive Actuators
- Parking Brake Actuators
- Ride Height Sensors
- TPMS Sensors
- Transfer Case Motors
- Transmission Control Solenoids
- Transmission Input/Output Sensors
- Vehicle Speed Sensors



Impact on Vehicle Systems



TPMS faults can affect electronic systems like ADAS, cruise control, transmission shifting, electronic throttle control, ABS, traction control, and more. Ensure that the TPMS system is working properly before diagnosing additional concerns



Many sensors operate in a harsh environment (heat, dirt, fluids, etc.). When a new sensor is installed, the related connector should also be replaced to ensure performance



Some vehicles require that the spare tire also be included in the relearn process. Ensure that it is properly inflated and that proper relearn procedures are followed

What's New

Electronic Parking Brake Actuators

Parking Brake Actuators are a newer category and Standard® is at the forefront of introducing new applications. The number of vehicles with parking brake actuators has grown exponentially since 2010 and as they age, service opportunities will rise.

For a complete listing of all Standard® Parking Brake Actuators, visit StandardBrand.com.



PBA071

Subaru Cars & SUVs
(Right Rear)
(2024-19) VIO: 1.4M



PBA056

GM Trucks
(Rear)
(2024-20) VIO: 1.3M



PBA034

Chrysler Minivans
(Left Rear)
(2024-17) VIO:824K



PBA035

Chrysler Minivans
(Right Rear)
(2024-17) VIO: 824K



What's New

ABS Speed Sensors

Complex safety systems featured in new vehicles depend on real-time data from ABS sensors. Standard® is regularly releasing new numbers to make sure technicians have the coverage needed to get their customers back on the road.

For the most recent applications, visit StandardBrand.com.



ALS3225

Ford SUVs
(Front)
(2025-20) VIO: 1.1M



ALS3613

Nissan Sentra
(Front)
(2025-20) VIO: 506K



ALS3627

Kia Sorento
(Left Front)
(2025-21) VIO: 383K



ALS3628

Kia Sorento
(Right Front)
(2025-21) VIO: 383K



Undercar Sensors

Undercar sensors are susceptible to damage from harsh environmental conditions and collisions. Components like vehicle speed sensors are often the most susceptible as they are located in low-hanging locations.

Ride height sensors are a highly sensitive suspension system component with fragile linkages that can also be easily damaged in a collision.



TPMS Sensors

The Standard® TPMS Sensor Program gives technicians a choice of the programmable QWIK-SENSOR® or the ready-to-install OE-Match Sensor. We also offer TPMS service kits and tools.

Available for popular import and domestic vehicles



Vehicle Speed Sensors

Features OE-exact connectors and terminals delivering the precise OE output signal to ensure accurate readings and performance. 100% tested.

390+ SKUs / 339M Repair Opportunities



ABS Sensors

Standard® ABS Sensors are engineered and tested to correctly integrate with electronic crash avoidance systems and to help reduce stopping distance in all conditions.

2,400+ SKUs / 757M Repair Opportunities



Ride Height Sensors

Standard® Ride Height Sensors come complete with sensor, linkage and mounting bracket for a complete assembly and easy installation.

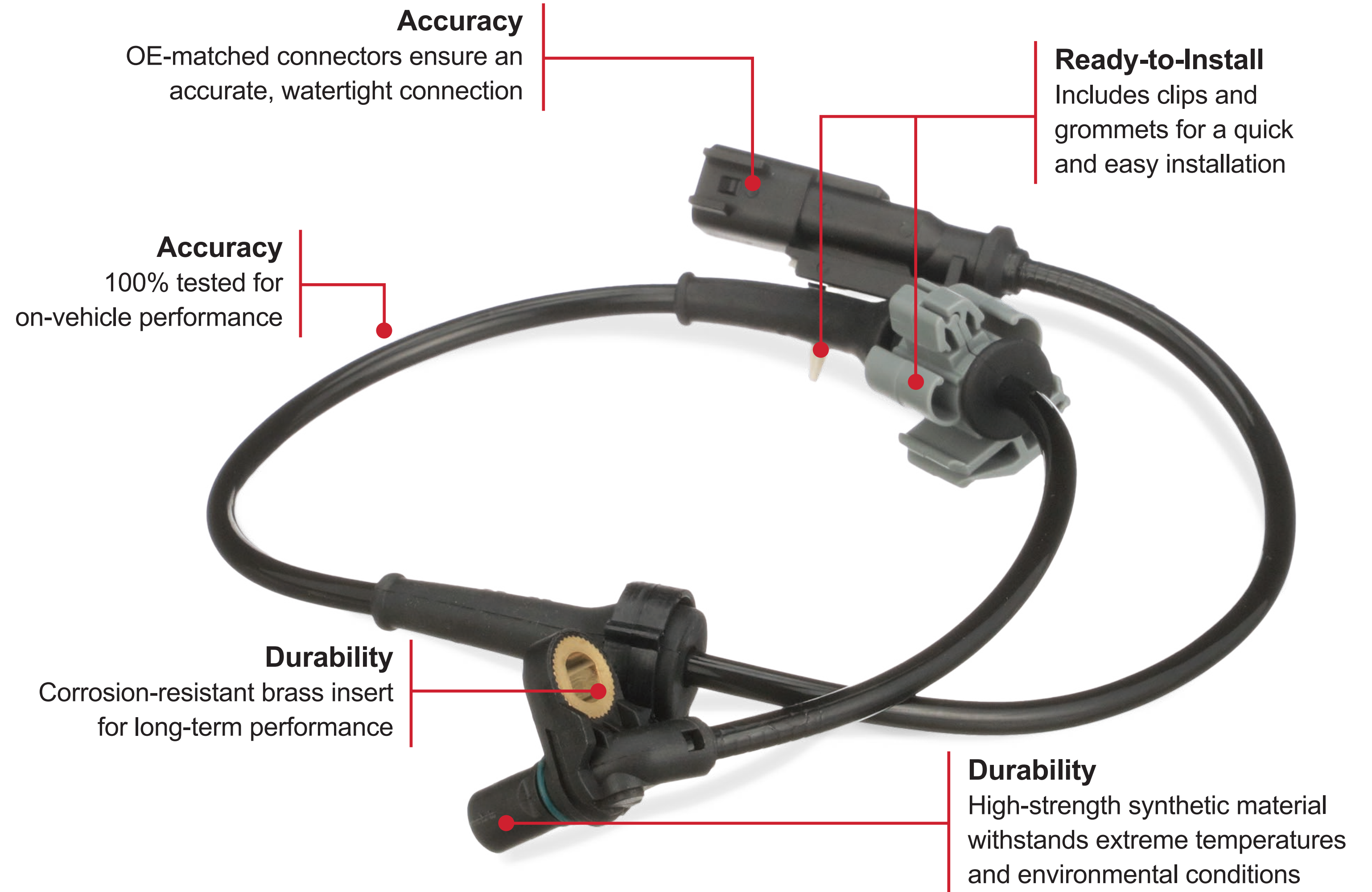
32 SKUs / VIO: 30M



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 like the original.



ALS2631
Front / Rear
GM Trucks & SUVs
(2020-14)



Engineering & Performance

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



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

TOP MOVERS RANKED: ABS Sensors

IMPORT APPLICATIONS



ALS685

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

1



ALS684

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

2



ALS1442

Nissan
Cars
Front
(2014-07)

3



ALS1553

Honda / Acura
Cars
Left Front
(2014-08)

4

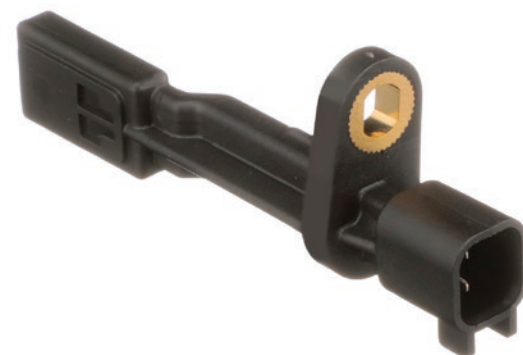


ALS1564

Honda / Acura
Cars
Right Front
(2014-08)

5

DOMESTIC APPLICATIONS



ALS1932

Dodge / Jeep
SUVs
Rear
(2018-07)



ALS1918

Jeep
SUVs
Front
(2018-07)



ALS2249

Ford / Lincoln
Cars, SUVs & Vans
Front
(2023-12)



ALS482

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



ALS1465

GM
Trucks & SUVs
Front
(2014-07)



Undercar Program

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Standard® Quality

Electronic Parking Brake Actuators

Due to their exposed location, parking brake actuators are prone to corrosion.

Standard® Electronic Parking Brake Actuators include new mounting hardware and a new seal to make installation easier.

56 SKUs / VIO: 96M

Standard® Electronic Parking Brake Actuators



Did You Know

Electronic Parking Brake Actuators are an integral component of electronic safety systems such as automatic emergency braking.



Undercar Program

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TOP MOVERS RANKED:

Parking Brake Actuators

IMPORT
APPLICATIONS



PBA039
Mazda
SUVs
RR, LR
(2024-16)

1



PBA045
Mazda
Cars & SUVs
RR, LR
(2021-16)

2



PBA016
Lexus / Toyota
SUVs
RR, LR
(2022-15)

3



PBA008
Lexus / Toyota
Cars & SUVs
RR, LR
(2025-18)

4



PBA021
Mercedes-Benz
Cars & SUVs
RR, LR
(2023-12)

5

DOMESTIC
APPLICATIONS



PBA002
Ford
Trucks
RR, LR
(2023-15)



PBA001
Chrysler / Jeep / Honda
Cars & SUVs
RR, LR
(2025-14)



PBA003
GM
Trucks & SUVs
RR, LR
(2025-19)



PBA056
GM
Trucks
RR, LR
(2024-20)



PBA009
Ford / Lincoln
Trucks & SUVs
RR, LR
(2025-18)



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
- 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



Undercar Program

StandardBrand.com

TOP MOVERS RANKED:

OE-Match TPMS Sensors

IMPORT
APPLICATIONS



TPM82A

Lexus / Toyota
Cars, Trucks & SUVs
(2017-04)

1



TPM106A

Honda / Acura
Cars & SUVs
(2017-08)

2



TPM180A

Toyota
Cars & SUVs
(2019-12)

3



TPM103A

Hyundai / Kia / Toyota
Cars, Trucks & SUVs
(2017-06)

4



TPM237

Toyota
Cars, Trucks & SUVs
(2022-14)

5

DOMESTIC
APPLICATIONS



TPM199

Ford / Lincoln
Cars, Trucks & SUVs
(2024-15)



TPM45RA

GM
Cars, Trucks, SUVs & Vans
(2020-04)



TPM336

GM
Cars, Trucks & SUVs
(2021-17)



TPM116RA

Ford / Lincoln / Mercury
Cars, Trucks, SUVs & Vans
(2023-09)



TPM213

GM
Cars, Trucks & SUVs
(2022-14)



Undercar Program

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Compatible Sensors

In addition to our TPMS Tools, QWIK-SENSORS are compatible with many other popular TPMS programming tools.

Though we offer a comprehensive tool program, we understand that techs may already own a tool, which is why we design our Sensors to be compatible with many of the tools on the market today.

QWIK-SENSOR® Compatible Tools

ATEQ VT36

ATEQ VT37

ATEQ VT47

ATEQ VT56

ATEQ VT57

ATEQ VT67

BOSCH TPA 300

Bridgestone 56

Continental Autodiagnos
TPMS D

HUF DT56

Launch TECH USA TSAP-2

Launch TECH USA TSAP-3

MAC ET3450

Matco MAXTPMS2.0

Matco MAXTPMS3.0

Matco MD56

Monro S56

NAPA® Echlin® 92-1541

NAPA® Echlin® 92-1547

NAPA® Echlin® 92-1548

NAPA® Echlin® 92-1551

NAPA® Echlin® 92-1557

QWIK-SENSOR® T46000

QWIK-SENSOR® T47000

QWIK-SENSOR® T48000

QWIK-SENSOR® T56000

QWIK-SENSOR® T57000

Schrader S56

Schrader S57

Snap-On TPMS3

Snap-On TPMS4

Snap-On TPMS5

Top Don TP-47

Top Don TP-48

VDO TPMS Go

VDO TPMS Pro



Service Tools

In addition to the industry's strongest blended TPMS program, Standard® offers the right tools to program and service today's TPMS systems.

Did You Know

Standard's T57000 Tool includes Live Sensor technology which enables the Standard® team to provide over-the-air updates for late-model vehicles.



T57000

- Programs universal and multi-coverage sensors
- Integrated VIN scanner ensures application accuracy
- Built-in TPMS relearn procedures speed-up repair process
- Hi-res color touchscreen displays all sensor info
- Reads and displays TPMS Diagnostic Trouble Codes (DTC)



T48000

- Works with all OE-Match and QWIK-SENSOR® TPMS Sensors, and other popular universal sensors
- Comprehensive make/model/year-specific relearn procedures
- Built-in OBD module with quick-connect cable and simple OBDII transfers – no additional accessories needed



Standard® Solutions

QWIK-SENSOR® Multipacks

QWIK-SENSOR® TPMS Multipacks of 25 are available with rubber or metal valve stems. These Kits include 25 individually packaged and protected QWIK-SENSOR® multi-frequency TPMS Sensors — the perfect solution for shops that are interested in saving time by having sensors on-hand.

QWIK®
sensor
MULTI-FREQUENCY
Programmable TPMS Sensors

QWIK-SENSOR® Multipacks



x25

TPM9025

Includes 25 of the QS106R
Multi-Frequency QWIK-SENSORS®
with rubber valve stems



x25

TPM9026

Includes 25 of the QS106M
Multi-Frequency QWIK-SENSORS®
with metal valve stems

NOW AVAILABLE IN MULTIPACKS OF 25

- For use on import and domestic applications
- Available with rubber or metal valve stems
- Individually packaged and protected sensors



Undercar Program

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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



Drivetrain Components

Drivetrain components are subject to extreme conditions and can fail for several reasons. Four-wheel-drive system components like transfer case motors and 4WD actuators can encounter water and moisture intrusion, corrosion, worn internals and more, while transmission solenoids suffer heat damage, contamination from metal debris, electrical failure and more.

Transmission input and output sensors can fail prematurely due to contaminated or lack of fluid, electrical failures, mechanical wear and more.



Transfer Case Motors

Standard® Transfer Case Motors are extensively tested and validated to ensure they operate properly, restoring functionality to the transfer case assembly.

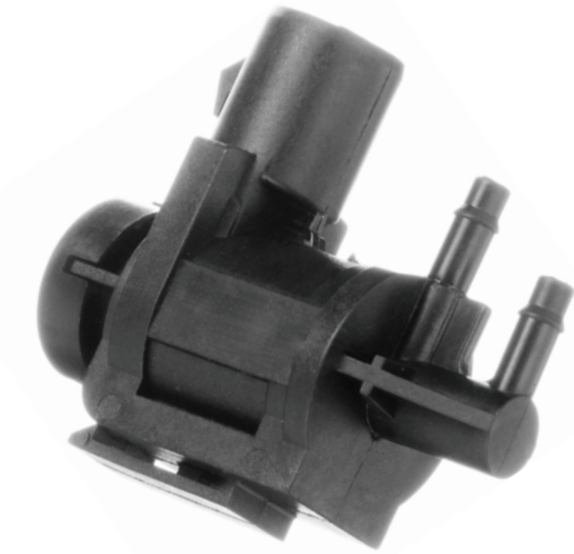
26 SKUs / VIO: 43M



Transmission Input and Output Sensors

Each Standard® Input Sensor, Output Sensor, or Input/Output Sensor is a direct-fit replacement, extensively tested to ensure accurate signal output. Plug and play design ensures ease of installation.

108 SKUs / VIO: 196M



Four-Wheel-Drive (4WD) Actuators

An integral component of the four-wheel drive system, 4WD Actuators are responsible for engaging and disengaging the front wheels when switching into four-wheel drive. Standard® tests each Actuator to ensure mechanical and electrical switching performance.

39 SKUs / VIO: 66M



Transmission Control Solenoids

Standard® Transmission Control Solenoids restore smooth, reliable shifting and ensure proper hydraulic pressure for gear changes in automatic transmissions. Each Solenoid is extensively tested to ensure precise performance.

263 SKUs / VIO: 432M



Manufacturing

Standard® Undercar components are designed to perform and manufactured using the latest technology to ensure that each one matches OE fit and performance.

For instance, Standard® TPMS Sensors are precision-engineered for application-specific performance and durability, and they comply with all SAE2657 specifications.



Did You Know

Our dedicated TPMS Sensor manufacturing facility produces more than a million Sensors annually, earning international and national certifications including U.S. FCC, European E-Mark, Canada IC, and Taiwan NCC while meeting FMVSS138, SAE J2657, ISO 9001, and IATF 16949 quality standards.



Standard® Pro Training Tech Tips

As experienced ASE-certified automotive technicians themselves, Standard® Pro Trainers are experts in the systems technologies covered by our Standard® offering. Here's what they say to look out for.



When replacing an ABS sensor, make sure that the mounting surface is clean and free from rust



When servicing the rear brakes on a vehicle with electronic parking brakes, make sure that the system is in service mode



When replacing a brake pedal position sensor, perform the calibration procedure if required. Failure to do so may result in a No Crank condition



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 700 technical and installation videos.



Available Classes

Sensor Diagnostics
TPMS Diagnosis and Learning
TPMS Fundamentals



Available Classes

Body Control Electronics Diagnosis
Electronic Chassis Control Diagnosis
and Repair
Unleash the Power of Your
Scan Tool



For information on replacing undercar components, search “Undercar” on the **Standard Brand** YouTube channel or scan the QR code for the [Undercar Program playlist](#)



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