ADVANCED DRIVER ASSISTANCE SYSTEM (ADAS) PROGRAM



2026

STANDARD

WHAT'S IN YOUR BOX?™

HERE'S WHAT'S IN OURS.



900+ ADAS PARTS

Standard® offers more than 900 Advanced Driver Assistance System (ADAS) components

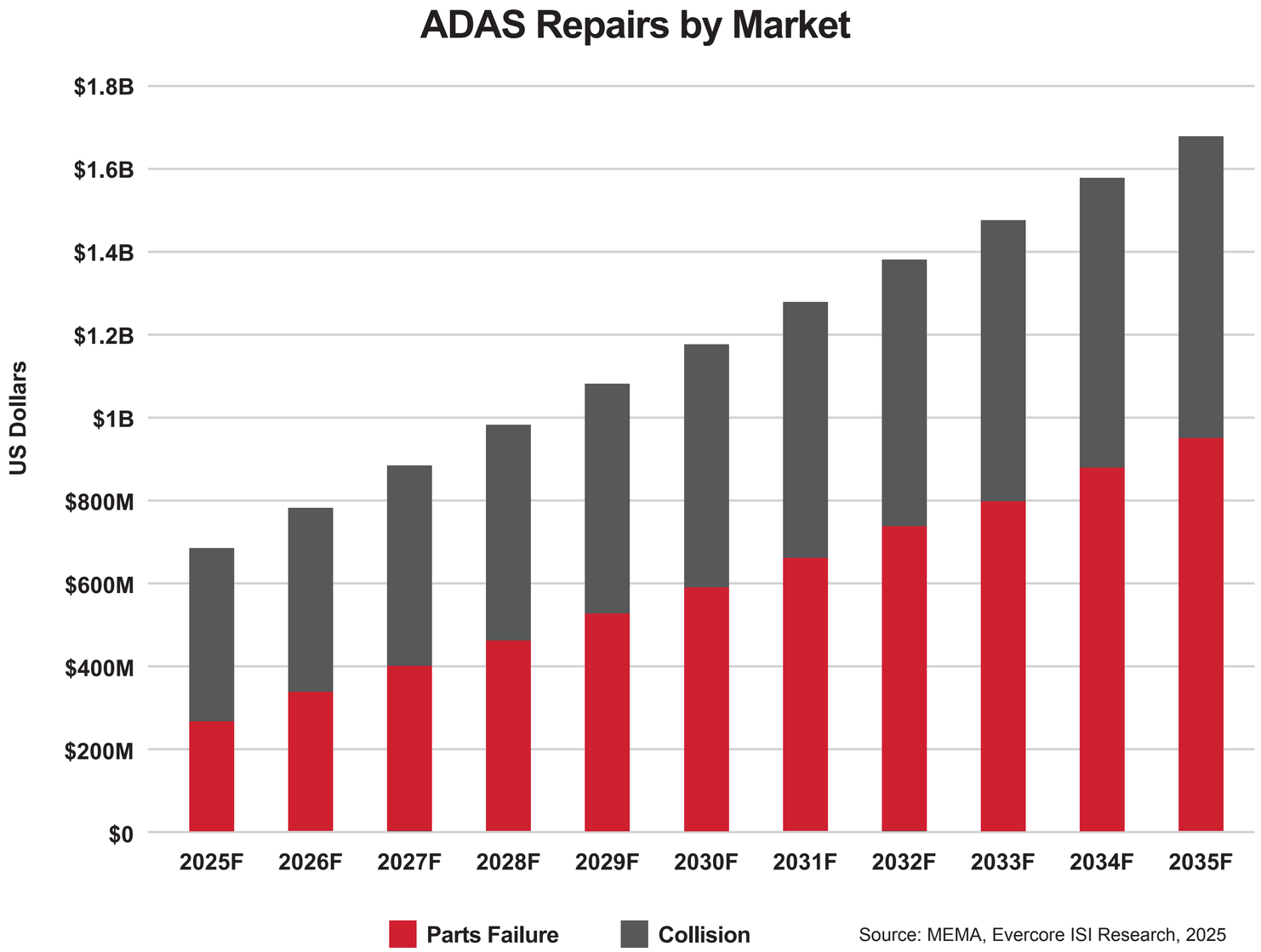
Standard® ADAS components integrate correctly with electronic crash avoidance systems

ADAS components are powertrain neutral — they are the same whether the powertrain is gas, diesel, hybrid or electric

Growing Market

ADAS service opportunities are expected to more than double between 2025 and 2035. The better news for general repair facilities is that mechanical ADAS repairs will soon exceed repairs caused by accidents. As vehicles equipped with electronic safety systems age, aftermarket opportunities for repair and maintenance will continue to grow by double digits each year.

ADAS Parts Failure Will Exceed Collision Market by 2031



Source: MEMA, Evercore ISI Research, 2025

ADAS Timeline

Driver Assist Safety Systems aren't new. In fact, they have been around in some form for over 50 years. Newer, more advanced electronic safety systems are built on the foundations of ABS and Electronic Stability Control.

Did You Know

The first driver assistance system was cruise control, invented by Ralph Teetor in 1948.



1969

Ford introduced "Sure Track," the first Anti-Lock Brake System, on the Thunderbird



1971

Buick introduced "MaxTrac," the first traction control system, on all full-size cars



1995

The first Electronic Stability Control system was available from Mercedes-Benz



2005

The Volvo S80 was equipped with Blind Spot Monitoring



2012

All new light-duty vehicles sold in the U.S. were required to have Electronic Stability Control



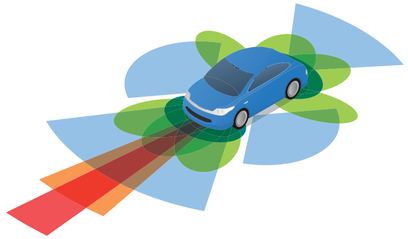
2018

New vehicles built after May of 2018 were required by law to have a back-up camera

Opportunities

Electronic safety systems like Electronic Stability Control and Automated Emergency Braking are programmed for brand-new components. Worn or low-quality replacement parts can reduce the effectiveness of all electronic safety systems, putting the motorist at risk.

Explaining ADAS to your customers will help you sell more premium parts



1. **How ADAS Works**

   Your customers' vehicles may have safety features they don't even know about. When they understand how these systems work, they can make better decisions about their vehicle.



2. **Talk About "Systems," Not "Parts"**

   When we talk about parts, it is easy for customers to bring up price. Instead, talk about how a particular component is part of a complex electronic safety system. This helps your customer see more value in the quality parts you are recommending.



3. **Recommend Premium-Quality Replacement Parts**

   The ability of electronic safety systems to keep your customers safe depends on the performance of both electronic and mechanical components. Only using premium parts helps make sure your customers get the benefits and capabilities of their vehicles' crash avoidance systems.

Impact on Vehicle Systems



Steering and braking are often connected to Advanced Driver Assist Systems. If a camera or sensor is not working correctly, the vehicle may perform erratically



If a new ADAS component is not calibrated per the vehicle manufacturer's guidelines, the entire safety system may not operate as intended



Repairing vehicles using low-quality body panels may inhibit a blind spot sensor from being able to detect objects as panel material and thickness might not be consistent with OEM

Advanced Sensor Program

Advanced Driver Assistance Systems 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.

Standard® Pro Training Tip

Salt and corrosion can damage blind spot detection sensors and their connectors. Always inspect and clean or replace the connectors when a blind spot detection sensor is installed.



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 / 41M Repair Opportunities



Cruise Control Distance Sensors

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

45+ SKUs / 31M VIO



Steering Angle Sensors

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

Available for millions of import and domestic vehicles



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 / Over 1 Billion Repair Opportunities

What's New

Park Assist Cameras

Park assist cameras are one of the most frequently replaced ADAS components. Standard® is regularly releasing new Park Assist Cameras to make sure you have the parts needed to service your customers' vehicles.

For the most current applications, view our catalog at **StandardBrand.com.**



PAC556
Honda Civic
(2021-17)
VIO: 1.4M





PAC558
Nissan Rogue
(2020-16)
VIO: 1.3M





PAC531
Chrysler Minivans
(2024-18)
VIO: 530K





PAC588
Toyota Corolla
(2019-14)
VIO: 1.5M

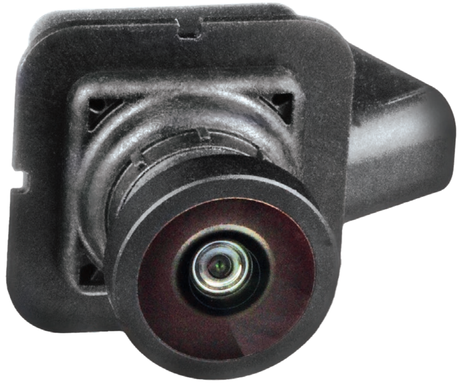


ADAS Cameras

Cameras are becoming more and more common on new vehicles. While park assist cameras have been mandatory in the U.S. since 2018, others, like lane departure system cameras, are optional on many vehicles. Standard® has nearly 300 Park Assist Cameras and more than 30 Lane Departure System Cameras to make sure you don't have to go back to the dealer.

Did You Know

Low-quality glass or a poor installation of a replacement windshield can affect the performance of lane departure system cameras.



Park Assist Cameras

Easily damaged in a rear collision, park assist cameras have been mandatory in the U.S since 2018. A premium replacement for the failed OE unit, most Standard® cameras are 'plug & play' — no programming required.

Rigorously tested to match OEM vehicle-specific performance.

290+ Cameras / 159M VIO



Lane Departure System Cameras

Located on the windshield behind the rearview mirror, lane departure system cameras are also in side-view mirrors for additional protection.

Standard® LDS Cameras are rigorously tested for precise fit and performance to match the original application they are replacing.

30+ SKUs / 32M VIO

Top Movers: Park Assist Sensors

IMPORT APPLICATIONS



PPS65
Toyota
Trucks & SUVs
(2023-14)

1



PPS334
Hyundai
Cars
(2023-20)

2



PPS185
Lexus
Cars & SUVs
(2020-15)

3



PPS239
Hyundai
Cars
(2017-15)

4



PPS281
Nissan
SUVs
(2020-15)

5

DOMESTIC APPLICATIONS



PPS44
GM
Trucks, SUVs & Vans
(2024-06)



PPS46
GM
Cars, Trucks & SUVs
(2024-13)



PPS45
Chrysler / Dodge / Jeep / RAM
Cars, Trucks, SUVs & Minivans
(2022-09)



PPS64
Ford
Trucks
(2020-15)



PPS47
Ford / Lincoln / Mercury
Trucks, SUVs & Vans
(2025-99)

Top Movers: Park Assist Cameras

IMPORT APPLICATIONS



PAC112
Honda Accord
(2017-14)

1



PAC262
Subaru Outback
(2014-11)

2



PAC164
Honda Accord
(2015-14)

3



PAC128
Toyota 4Runner
(2019-16)

4



PAC143
Nissan Altima
(2018-15)

5

DOMESTIC APPLICATIONS



PAC109
Dodge Journey
(2020-12)



PAC484
Ford F-250 Super Duty
(2021-17)



PAC23
RAM
Trucks
(2023-16)



PAC13
GM
Trucks & SUVs
(2020-14)



PAC20
Ford Explorer
(2015-13)

Related Parts

Mechanical and electronic components must function as designed to keep electronic safety systems operating correctly. Sensors send information to electronic control modules hundreds of times per second, and the vehicle's computer sends commands back to help keep the motorist safe.

Standard® provides technicians with the additional Sensors and Connectors needed to keep electronic safety systems operating correctly.



ABS Sensors

Standard® ABS Sensors always match the fit and performance of the OE, even when OE uses a complex multi-directional sensor

2,600+ SKUs / 982M Repair Opportunities



Accelerator Pedal Sensors

Standard® Accelerator Pedal Sensors are tested for output to make sure they perform on every vehicle in every situation

300+ SKUs / 260M VIO



Throttle Position Sensors

Standard® Throttle Position Sensors are tested and calibrated to electronically lock voltage output for accuracy

230+ SKUs / 63M VIO



Ride Height Sensors

Standard® Ride Height Sensors are engineered and tested to provide the ECU with timely and accurate data to make decisions about vehicle performance and safety

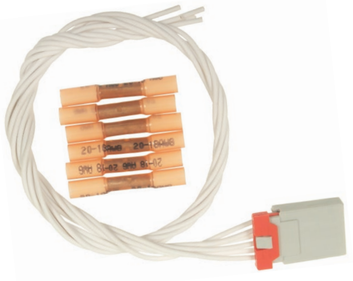
30+ SKUs / 30M VIO



Parking Brake Actuators

Popular Standard® Parking Brake Actuators include the required hardware and an O-ring for proper installation

50+ SKUs / 96M VIO



Electrical Connectors

Standard® offers hundreds of electrical connectors to help keep ADAS systems operating correctly

Steering Angle Sensor Connectors
Park Assist Sensor Connectors
Lane Departure System Connectors
ABS Sensor Connectors and more

Standard® Quality

Park assist sensors help keep your customers safe. The quality and performance of the part matters, which is why Standard® tests each part to make sure it integrates correctly with safety systems, and functions in all conditions.

Standard® Park Assist Sensors

Keeps Drivers Safe
Advanced ultrasonic detection technology alerts the driver of objects within the vehicle's path

European Manufactured
Engineered and manufactured in SMP's IATF 16949 and ISO 9001-certified Poland facility



Integrates with Safety Systems
Designed to match the performance of the original

Resists Moisture Intrusion
Includes a new seal to help keep moisture out for a long service life

PPS45
Chrysler / Dodge / Jeep / RAM
(2022-09)

Standard® Convenience

Park assist sensor connectors are easily damaged in accidents, even minor ones. They are also prone to failure from salt and corrosion. Standard's Park Assist Connector Kit gives technicians a total of 64 of the most popular connectors to help get your customers back on the road quickly.

Park Assist Connector Kit



PPS1K

Includes the 5 most popular Connectors for a total of 64 pieces

Shop time-saver – Technicians have the parts they need at their fingertips

PPS1K Contents

Part #	Qty	Vehicle Makes	VIO Coverage
S1497	16	Chrysler, Ford, GM	32.6 Million
S2269	16	Chrysler, Ford, GM	32.5 Million
S2393	16	BMW, Ford, GM	16.7 Million
S2316	8	Audi, Chrysler, Ford, Volkswagen, Volvo	11.3 Million
S1415	8	Toyota	2.0 Million

Standard® Pro Training Tech Tips

Standard® Pro Trainers have installed hundreds of ADAS components and trained thousands of technicians. Here's what they say to look out for during an install.

Always check and follow the manufacturer's service information for the vehicle you're working.



Any time an ADAS component is removed and reinstalled (even if it wasn't replaced or unplugged) it needs to be checked to see if a calibration is required per service information



Different manufacturers suggest different types of calibrations — static is performed in the service bay and dynamic is performed while driving in specific conditions



Ensure that all prerequisites are met and correct (vehicle ride height, fuel tank level, tire pressure, etc.) prior to performing a calibration

Standard® Professional Training

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

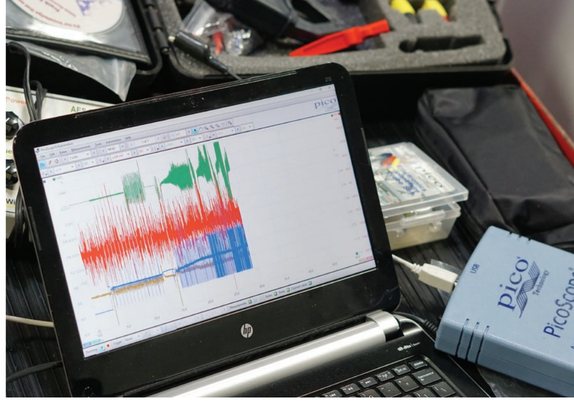
Standard® Pro Training delivers accredited classes that educate technicians in the latest automotive repair technologies, and techs can earn CEU credits. An extension of Standard® training, our extensive YouTube video library has over 750 technical and installation videos.

All classes are taught by ASE Certified Master Automotive Technicians.

ASE Accredited Training Provider







PRO TRAINING ON-DEMAND

Available Classes

- ADAS Calibration Tips From The Pro
- Advanced Scan Tool Diagnostics
- Driver Assist Systems Overview

PRO TRAINING ON-SITE

Available Classes

- ADAS Calibration Techniques
- Advanced Driver Assist Systems
- Body Electronics
- Diagnostic Strategies
- Vehicle Communication Diagnosis
- Unleash the Power of Your Scan Tool

For information on replacing ADAS components, search “Undercar” on the **Standard Brand** YouTube channel or scan the QR code for the ADAS Program playlist.