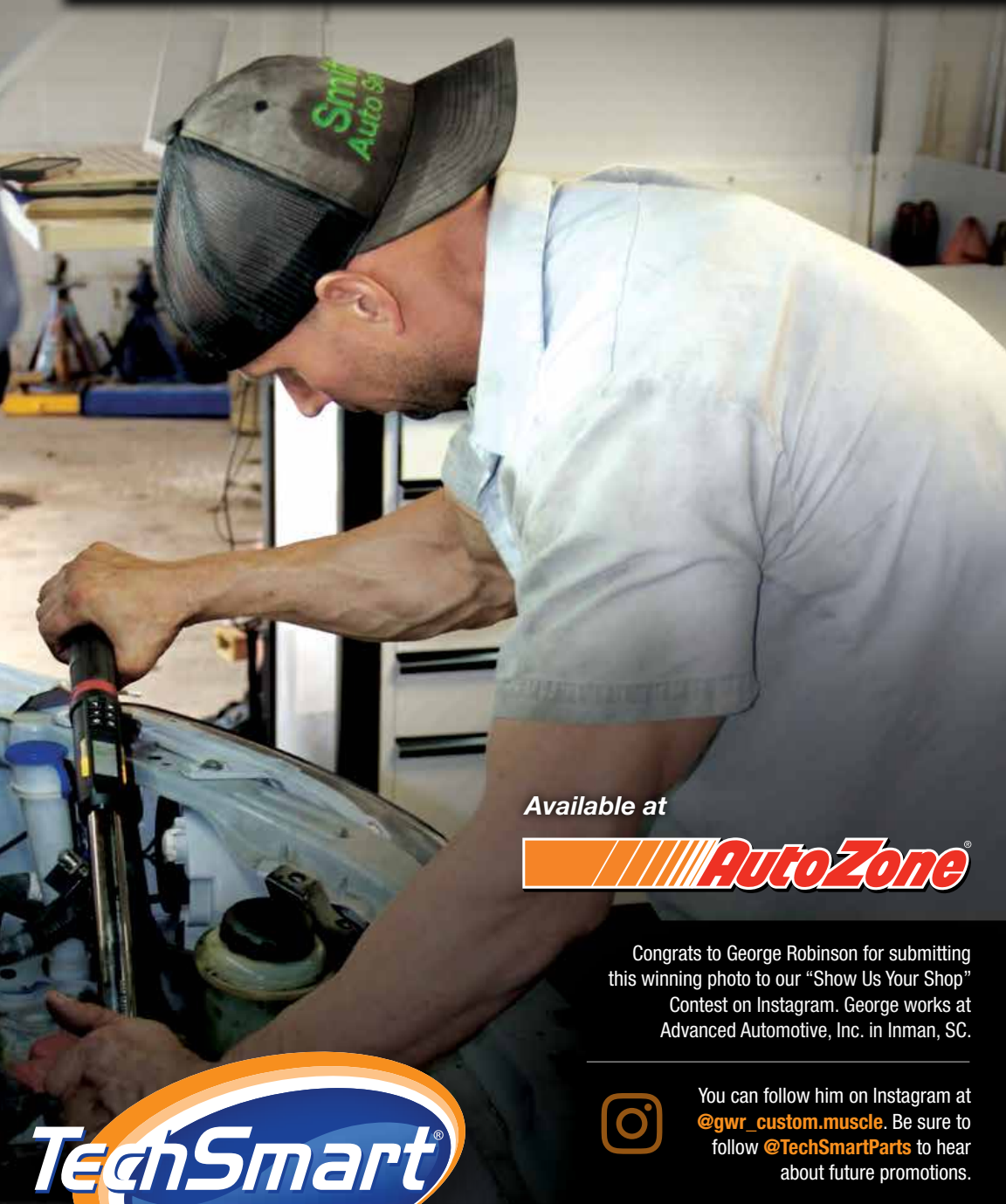


Technician Bench Guide

Volume 6



Available at



Congrats to George Robinson for submitting this winning photo to our "Show Us Your Shop" Contest on Instagram. George works at Advanced Automotive, Inc. in Inman, SC.



You can follow him on Instagram at [@gwr_custom.muscle](https://www.instagram.com/gwr_custom.muscle). Be sure to follow [@TechSmartParts](https://www.instagram.com/TechSmartParts) to hear about future promotions.



Every part we put into a TechSmart® box is a direct result of a conversation with a professional technician.

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The SMP® Parts App 2.0

The award-winning SMP® Parts App has been revamped and updated with exciting new tools to make part lookups even easier. Here's what you can do with the new SMP® Parts App 2.0:

- Competitor UPC Scan
- Enhanced User Interface
- License Plate Lookup
- SMP UPC Scan
- Robust Search History/
Saved Vehicles
- Cross Reference Search



▶ Alternator Decoupler Pulley Tool Kit

With TechSmart's Alternator Decoupler Pulley Tool Kit, you'll have all the tools needed to service the alternator decoupler pulley in one easy-to-find place. With a complete range of 23 different Torx, spline, and hex adaptors that fit most alternators for both Import and Domestic applications, TechSmart's Alternator Decoupler Pulley Tool Kit is the most complete kit in the market today.

See page 7 for product applications.



TechSmart No. / AutoZone SKU

NEW



TS: J78002 / AZ: 554305
4WD Actuator
Lexus LX450 (1997-93)

PROVEN QUALITY

High quality direct replacement for damaged actuator

NEW



TS: J78004 / AZ: 883580
4WD Actuator
Toyota 4Runner (2013-03)

PROVEN QUALITY

High quality direct replacement for damaged actuator

NEW



TS: J78005 / AZ: 747204
4WD Actuator
Toyota Trucks and SUVs (2016-03)

PROVEN QUALITY

High quality direct replacement for damaged actuator

NEW



TS: J78006 / AZ: 887259
4WD Actuator
Toyota Sequoia (2016-08)

1.3 MILLION
VIO



TS: L30001 / AZ: 165658
4WD Actuator
Ford Trucks and SUVs (2010-03)
VIO over 5 million

PROVEN QUALITY

High quality direct replacement for damaged actuator



TS: N15002 / AZ: 165737
ABS Sensor Harness Repair Kit
Chrysler Trucks and SUVs (2012-00)

4.8 MILLION
VIO

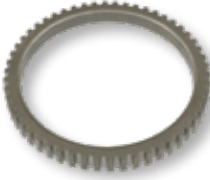


TS: N15003 / AZ: 165739
ABS Sensor Harness Repair Kit
GM (2006-00)
VIO over 2 million

PROBLEM SOLVER

Replace just the failed harness

NEW



TS: R96001 / **AZ: 883547**
ABS Sensor Tone Ring
Ford Explorer (2010-07)

PROVEN QUALITY

*High quality direct
replacement for
damaged tone ring*

NEW

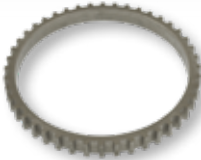


TS: R96002 / **AZ: 883573**
ABS Sensor Tone Ring
Ford Escape (2012-01)
VIO over 1 million

PROVEN QUALITY

*High quality direct
replacement for
damaged tone ring*

NEW



TS: R96003 / **AZ: 883556**
ABS Sensor Tone Ring
Ford Escape (2012-01)

**2.2 MILLION
VIO**



TS: G92003 / **AZ: 711533**
Accelerator Pedal
Position Sensor
GM Trucks and SUVs
(2003-00)
VIO over 2 million

PROBLEM SOLVER

*Replace the pedal
position sensor instead
of entire assembly*



TS: G92004 / **AZ: 711526**
Accelerator Pedal
Position Sensor
GM Trucks and SUVs
(2007-04)

**2.1 MILLION
VIO**



TS: T92001 / **AZ: 711520**
Accelerator Pedal
Position Sensor
Ford F Series (2001-96)

PROBLEM SOLVER

*Replace the pedal
position sensor instead
of entire assembly*



TS: G92005 / **AZ: 380587**
Accelerator Pedal
Position Sensor
GM Trucks and SUVs
(2002-94)

**4.3 MILLION
VIO**

▶ Eccentric Shaft Sensors

The eccentric shaft position sensor sends feedback to the Valvetronic system. It works with variable valve timing to improve fuel economy and emissions. This sensor is prone to oil leaks from failed seals. TechSmart® offers a line of OE-Exact-Match Eccentric Shaft Position Sensors made from high-quality materials to ensure durability.

See page 12 for product applications.



TechSmart No. / AutoZone SKU



TS: B43001 / **AZ: 470159**
Air Quality Sensor
Lexus LX470 (2002-98)

PROVEN QUALITY

High-quality direct replacement effectively restores proper function of detecting poor air quality



TS: J69001 / **AZ: 470106**
Air Quality Sensor
Hyundai Tiburon (2008-03)

PROVEN QUALITY

High-quality direct replacement effectively restores proper function of detecting poor air quality

NEW



TS: Z35001 / **AZ: 883568**
Air Suspension Compressor
Ford SUVs (2015-07)
VIO over 514,000

THINK TECHSMART FIRST

High-quality direct replacement for burnt out compressor that restores leveling function to suspension



TS: Z35003 / **AZ: 380643**
Air Suspension Compressor
Ford (2011-03)
VIO over 908,000

THINK TECHSMART FIRST

High-quality direct replacement for burnt out compressor that restores leveling function to suspension



TS: G35002 / **AZ: 380576**
Air Suspension Spring Solenoid
Ford SUVs (2002-95)

THINK TECHSMART FIRST

High-quality direct replacement, restores proper ride height



TS: G35003 / **AZ: 380577**
Air Suspension Spring Solenoid
Ford SUVs (2006-03)

THINK TECHSMART FIRST

High-quality direct replacement, restores proper ride height

NEW



TS: G94001 / **AZ: 883567**
Alternator Decoupler Pulley
Chrysler/Toyota (2014-01)

3.7 MILLION
VIO

NEW



TS: G94002 / **AZ: 883545**
Alternator Decoupler Pulley
Toyota/Lexus (2015-06)

1.9 MILLION
VIO

NEW



TS: G94003 / **AZ: 883559**
Alternator Decoupler Pulley
Chrysler Cars (2015-10)
VIO over 2.4 million

PROVEN QUALITY

*Allows you to replace
only failed part instead
of entire alternator*

NEW



TS: G94004 / **AZ: 883564**
Alternator Decoupler Pulley
GM/Toyota (2010-06)
VIO over 1.3 million

PROVEN QUALITY

*Allows you to replace
only failed part instead
of entire alternator*

NEW



TS: G94005 / **AZ: 883572**
Alternator Decoupler Pulley
Chevrolet Impala (2009-06)

PROVEN QUALITY

*Allows you to replace
only failed part instead
of entire alternator*

NEW



TS: G94006 / **AZ: 883554**
Alternator Decoupler Pulley
Chrysler Cars and Vans
(2016-11)
VIO over 2 million

PROVEN QUALITY

*Allows you to replace
only failed part instead
of entire alternator*

NEW



TS: G94007 / **AZ: 883558**
Alternator Decoupler Pulley
Jeep (2006-02)

PROVEN QUALITY

*Allows you to replace
only failed part instead
of entire alternator*



TS: Z93013 / **AZ: 821481**
Alternator Decoupler
Pulley Tool Kit

*With a complete range of
23 different Torx, spline, and
hex adaptors that fit most
alternators, TechSmart's kit
is the most complete kit in
the market today.*

▶ Electronic Throttle Bodies

TechSmart® offers more than 160 electronic throttle bodies. Each one is new, not remanufactured, and is an OE-matching direct replacement. In total, our line covers more than 97 million VIO.

Tech Tip: After installation, always check to see if a relearn procedure is necessary

See pages 14-15 for product applications.



TechSmart No. / AutoZone SKU



TS: C31001 / AZ: 165896
Ambient Light Sensor
Ford Cars and Vans (2009-01)
VIO over 1.2 million

PROVEN QUALITY

Designed to accurately measure light and adjust instrument display back lights



TS: T37005 / AZ: 171173
Ambient Light Sensor
GM (2015-00)

18.1 MILLION
VIO

NEW



TS: T37007 / AZ: 554356
Ambient Light Sensor
Ford (2016-07)
VIO over 9.7 million

PROVEN QUALITY

Designed to accurately measure light and adjust instrument display back lights



TS: B49001 / AZ: 165895
Automatic Transmission
Oil Cooler Thermostat
BMW (2008-00)

THINK TECHSMART FIRST

Restores proper cooling performance ensuring the vehicle is fixed right, the first time



TS: Z63025 / AZ: 695864
Automatic Transmission
Oil Cooler Thermostat
BMW (2010-02)

THINK TECHSMART FIRST

Restores proper cooling performance ensuring the vehicle is fixed right, the first time



TS: Z63027 / AZ: 695901
Automatic Transmission
Oil Cooler Thermostat
BMW X3 (2010-07)

THINK TECHSMART FIRST

Restores proper cooling performance ensuring the vehicle is fixed right, the first time



TS: Z63028 / AZ: 711376
Automatic Transmission
Oil Cooler Thermostat
BMW X5 (2005-00)

THINK TECHSMART FIRST

Restores proper cooling performance ensuring the vehicle is fixed right, the first time



TS: C31002 / **AZ: 470114**
Automatic Headlight Sensor
Toyota (2011-01)
VIO over 4.8 million

PROBLEM SOLVER

High-quality direct replacement for failed OE automatic headlight sensors



TS: C31004 / **AZ: 470257**
Automatic Headlight Sensor
Toyota SUVs (2011-98)

6.8 MILLION VIO



TS: C31005 / **AZ: 711324**
Automatic Headlight Sensor
GM Cars and SUVs (2007-99)
VIO over 4.2 million

PROBLEM SOLVER

High-quality direct replacement for failed OE automatic headlight sensors



TS: C32004 / **AZ: 470206**
Automatic Headlight Sensor
Toyota Cars and SUVs (2010-98)

2.5 MILLION VIO



TS: R10300 / **AZ: 178095**
Automatic Transmission Shifter Cover
Mercedes-Benz (2006-01)

PROBLEM SOLVER

Allows you to replace only cracked cover instead of entire automatic transmission shift unit

NEW



TS: C60001 / **AZ: 555093**
Battery Current Sensor
Honda (2011-01)
VIO over 2 million

Designed to accurately measure charge and discharge of battery, continuously changing alternator output to improve fuel economy and increase battery life and energy system availability



TS: C60002 / **AZ: 479660**
Battery Current Sensor
GM (2014-05)

6.6 MILLION VIO

► Engine Coolant Air Bleeder Valve

Our Engine Coolant Air Bleeder Valves feature an extra hex receiver on the bleed screw base, which allows you to hold the bleed valve in place with one wrench while turning the bleed screw with another. With less stress, there's less chance of cracking the housing. Even better, TechSmart® pairs the housing with a new coolant temperature sensor and gaskets, so you'll have everything you need for a complete replacement.

See page 15 for product applications.



TechSmart No. / AutoZone SKU



TS: Q33002 / **AZ: 711319**
Brake Booster Vacuum Hose
Jaguar X-Type (2007-02)

PROBLEM SOLVER

High-quality brake booster vacuum hose effectively replaces leaking or damaged OE hoses



TS: C33001 / **AZ: 470207**
Brake Booster Vacuum Sensor
GM (2009-05)

PROBLEM SOLVER

Quality-engineered part effectively replaces clogged or burned out vacuum sensors



TS: Z70001 / **AZ: 695934**
Brake Master Cylinder Reservoir Service Kit
Volkswagen (1999-84)

PROVEN QUALITY

Direct-fit replacement for cracked OE units ensures ease of installation



TS: Q21002 / **AZ: 711380**
Cam Gear Wedge Tool
Ford Trucks and SUVs (2013-05)
VIO over 2.9 million

PROBLEM SOLVER

High-durometer polyurethane tool for cam phaser removal and installation on Ford 4.6L and 5.4L V8 engines



TS: G83001 / **AZ: 711478**
Cam Synchronizer Install Tools
Ford (2007-95)

3.8 MILLION
VIO



TS: L37001 / **AZ: 165730**
Crankshaft Blade
Hyundai (2006-99)

PROVEN QUALITY

Direct-fit replacement for ease of installation



TS: F03001 / **AZ: 165663**
Daytime Running Light Controller
Ford (2003-85)

5.2 MILLION
VIO



TS: G06001 / AZ: 165661
Daytime Running
Light Module
Ford (2008-99)

4.0 MILLION
VIO



TS: F66001 / AZ: 479652
DISA Valve Repair Kit
BMW (2000-97)

COMPLETE KIT

*Comes complete with everything
needed to repair damaged flap
instead of entire assembly including
new flap, hinge, pin, retaining clip,
and extractor screw*



TS: F66002 / AZ: 479654
DISA Valve Repair Kit
BMW (2012-01)

COMPLETE KIT

*Comes complete with everything
needed to repair damaged flap
instead of entire assembly including
new flap, hinge, pin, retaining clip,
and extractor screw*



TS: F66003 / AZ: 479653
DISA Valve Repair Kit
BMW (2006-00)

COMPLETE KIT

*Comes complete with everything
needed to repair damaged flap
instead of entire assembly including
new flap, hinge, pin, retaining clip,
and extractor screw*



TS: L59001 / AZ: 695865
Driveshaft Center
Support Bearing
Porche/Volkswagen
(2010-03)

PROVEN QUALITY

*Replace just the failed OE
center support bearing
instead of the expensive
2-piece driveshaft assembly*



TS: Z95001 / AZ: 550918
Distributor Assembly
GM Trucks and Vans
(2004-96)

1.6 MILLION
VIO



TS: Z95002 / AZ: 551783
Distributor Assembly
GM Trucks and Vans
(2007-96)

2.5 MILLION
VIO

► Expansion Tank Service Kits

When the OE expansion tank system fails, coolant leaks and overheating can occur. Our Expansion Tank Service Kits help restore the vehicle's cooling functions. Each kit includes everything needed for the complete professional repair.

See page 16 for product applications.



TechSmart No. / AutoZone SKU



TS: B96002 / AZ: 157636
Eccentric Shaft Sensor
BMW (2011-03)
VIO over 800,000

THINK TECHSMART FIRST

Replaces failure prone sensor with high quality direct fit sensor



TS: B96003 / AZ: 175877
Eccentric Shaft Sensor
BMW (2010-02)
VIO over 190,000

THINK TECHSMART FIRST

Replaces failure prone sensor with high quality direct fit sensor



TS: B96004 / AZ: 160721
Eccentric Shaft Sensor
Mini Cooper (2015-07)
VIO over 450,000

THINK TECHSMART FIRST

Replaces failure prone sensor with high quality direct fit sensor



TS: M40001 / AZ: 165680
EGR Pressure Feedback Hose Kit
a.k.a. DPFE Hose Kit
Ford (2008-91)
VIO over 17.6 million

PROBLEM SOLVER

High-temp, high-strength hoses to replace worn OE hoses when replacing a DPFE sensor



TS: F23001 / AZ: 165707
EGR Repair Kit
Acura/Honda (2009-98)
VIO over 4.1 million

PROBLEM SOLVER

Install with B22001 tool kit to renew Honda & Acura EGR ports



TS: B22001 / AZ: 165678
EGR Tool Kit
Acura/Honda (2009-97)
VIO over 4 million

PROBLEM SOLVER

Reusable tools unclog EGR ports and install F23001 components



TS: G28001 / AZ: 165711
EGR Transducer
Chrysler/Dodge (2000-96)

Available separately from the EGR valve, replace only the failed transducer, saving time and money
Perfectly matched to the OE EGR valve specifications



TS: G28002 / **AZ:165713**
EGR Transducer
Chrysler (1999-90)

Available separately from the EGR valve, replace only the failed transducer, saving time and money
Perfectly matched to the OE EGR valve specifications



TS: G28003 / **AZ: 165715**
EGR Transducer
Dodge Trucks and Vans
(1996-92)

Available separately from the EGR valve, replace only the failed transducer, saving time and money
Perfectly matched to the OE EGR valve specifications



TS: C57001 / **AZ: 470178**
EGR Tube Connector
Ford Trucks (2011-97)

2.5 MILLION
VIO



TS: C57002 / **AZ: 479644**
EGR Tube Connector
Ford Trucks and Vans
(1999-97)

PROBLEM SOLVER

OE unit is prone to rust and corrosion
TechSmart's zinc coated connector helps prevent this OE problem

NEW



TS: E19001 / **AZ: 883544**
Electric Water Pump
BMW (2013-06)

THINK TECHSMART FIRST

Direct-fit OE replacement water pump ensures proper fit, form, and function to effectively restore proper flow of antifreeze and coolant

NEW



TS: E19002 / **AZ: 883574**
Electric Water Pump
BMW (2016-12)

THINK TECHSMART FIRST

Direct-fit OE replacement water pump ensures proper fit, form, and function to effectively restore proper flow of antifreeze and coolant

NEW



TS: E19003 / **AZ: 883581**
Electric Water Pump
BMW (2012-11)

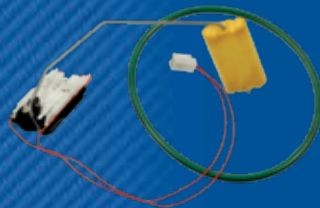
THINK TECHSMART FIRST

Direct-fit OE replacement water pump ensures proper fit, form, and function to effectively restore proper flow of antifreeze and coolant

► Fuel Level Sensor

When fuel level sensors fail, you need to drop the tank and replace the entire fuel pump assembly. To save you time and money, TechSmart's Fuel Level Sensors allow you to replace only the failed OE sensor instead of the entire assembly.

See page 17 for product applications.



TechSmart No. / AutoZone SKU



TS: G62001 / **AZ: 165731**
Electronic Diverter Valve
Audi/Volkswagen
(2010-05)

PROBLEM SOLVER

Piston-driven design eliminates turbocharger boost leaks caused by torn or punctured OE rubber diaphragm



TS: S20001 / **AZ: 165848**
Electronic Throttle Body
Ford SUVs (2014-04)

100% NEW NOT REMAN

2.6 MILLION
VIO



TS: S20008 / **AZ: 165822**
Electronic Throttle Body
GM Trucks and SUVs
(2009-05)

100% NEW NOT REMAN

2.0 MILLION
VIO



TS: S20020 / **AZ: 165858**
Electronic Throttle Body
Ford (2015-03)
VIO over 2.1 million

100% NEW NOT REMAN

TechSmart Electronic Throttle Bodies are always new, never remanufactured



TS: S20041 / **AZ: 165836**
Electronic Throttle Body
Chrysler (2012-05)

100% NEW NOT REMAN

TechSmart Electronic Throttle Bodies are always new, never remanufactured



TS: S20120 / **AZ: 87924**
Electronic Throttle Body
Chrysler (2011-05)

100% NEW NOT REMAN

1.1 MILLION
VIO

NEW



TS: S20203 / **AZ: 758912**
Electronic Throttle Body
Chrysler (2016-11)

100% NEW NOT REMAN

4.4 MILLION
VIO

NEW



TS: S20204 / **AZ: 881047**
Electronic Throttle Body
GM (2016-09)
VIO over 740,000

100% NEW NOT REMAN

TechSmart Electronic Throttle Bodies are always new, never remanufactured



TS: Z63010 / **AZ: 711338**
Engine Coolant Air Bleeder Valve
Chrysler (2006-01)

PROBLEM SOLVER

Upgraded design with extra hex nut allows you to hold valve in place with wrench while bleeding coolant to prevent damage to valve



TS: Z63011 / **AZ: 755995**
Engine Coolant Air Bleeder Valve
Chrysler (2010-98)
VIO over 480,000

PROBLEM SOLVER

Upgraded design with extra hex nut allows you to hold valve in place with wrench while bleeding coolant to prevent damage to valve



TS: M13001 / **AZ: 695880**
Engine Crankcase Breather Hose
Volkswagen (2010-05)
VIO over 470,000

PROBLEM SOLVER

Quality-engineered replacement part properly corrects vacuum leaks caused by cracked OE units



TS: G16001 / **AZ: 165727**
Engine Crankcase Vent Valve
Audi/Volkswagen (2005-01)

PROVEN QUALITY

Quality-manufactured to improve emission system function and restore drivability



TS: N16001 / **AZ: 165728**
Engine Crankcase Vent Valve
Volkswagen (2008-05)

PROVEN QUALITY

Quality-manufactured to improve emission system function and restore drivability



TS: N16002 / **AZ: 165726**
Engine Crankcase Vent Valve
Volkswagen (2010-06)

PROVEN QUALITY

Quality-manufactured to improve emission system function and restore drivability

► Headlight Level Sensors

Faulty headlight level sensors can cause headlight beams to point too high or low, which creates dangerous driving conditions for your customers and other drivers. As direct replacements, TechSmart's Headlight Level Sensors work with the vehicle's self-leveling headlight system to adjust the beams to the appropriate height.

See page 19 for product applications.



TechSmart No. / AutoZone SKU



TS: S49002 / **AZ: 696007**
Expansion Tank Service Kit
BMW (2005-00)
VIO over 680,000

COMPLETE KIT

Complete kit replaces leaking expansion tank to restore proper cooling functions
Cap and level sensor included



TS: Z49017 / **AZ: 696026**
Expansion Tank Service Kit
Mercedes-Benz (2005-98)
VIO over 200,000

COMPLETE KIT

Complete kit replaces leaking expansion tank to restore proper cooling functions
Cap and level sensor included



TS: Z49020 / **AZ: 696015**
Expansion Tank Service Kit
Mercedes-Benz (2009-01)
VIO over 409,000

COMPLETE KIT

Complete kit replaces leaking expansion tank to restore proper cooling functions
Cap and level sensor included



TS: Z49027 / **AZ: 696002**
Expansion Tank Service Kit
Volkswagen (1998-89)

COMPLETE KIT

Complete kit replaces leaking expansion tank to restore proper cooling functions
Cap and level sensor included



TS: Z49032 / **AZ: 712381**
Expansion Tank Service Kit
Audi A6 Quattro (2010-05)
VIO over 500,000

COMPLETE KIT

Complete kit replaces leaking expansion tank to restore proper cooling functions
Cap and level sensor included



TS: Z49036 / **AZ: 696011**
Expansion Tank Service Kit
Volkswagen (2005-98)
VIO over 427,000

COMPLETE KIT

Complete kit replaces leaking expansion tank to restore proper cooling functions
Cap and level sensor included



TS: Z49038 / **AZ: 696024**
Expansion Tank Service Kit
Audi A4 (2005-02)

COMPLETE KIT

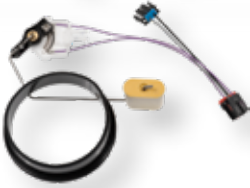
Complete kit replaces leaking expansion tank to restore proper cooling functions
Cap and level sensor included



TS: K07001 / AZ: 165744
Fuel Level Sensor
GM Trucks and SUVs
(2009-05)
VIO over 1 million

PROBLEM SOLVER

Replace only the failed sensor instead of the entire fuel pump assembly



TS: K07003 / AZ: 470058
Fuel Level Sensor
GM (2005-00)

1.7 MILLION VIO



TS: K07012 / AZ: 160044
Fuel Level Sensor
Chevrolet Malibu (2008-07)

PROBLEM SOLVER

Replace only the failed sensor instead of the entire fuel pump assembly



TS: K07023 / AZ: 175620
Fuel Level Sensor
GM (2005-00)

1.2 MILLION VIO



TS: T48001 / AZ: 695887
Fuel Pump Cam Follower
Volkswagen (2013-05)
VIO over 940,000

PROVEN QUALITY

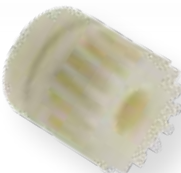
OE-matching metallurgy and low-friction diamond-like coating (DLC) prevent premature wear, which can lead to catastrophic failure of fuel pump, camshaft, and/or cylinder head



TS: C82003 / AZ: 696213
Gear Repair Kit - Power Seat
Infiniti G35 (2007-03)

COMPLETE KIT

Replace only the damaged power seat track gears instead of the entire seat track assembly to restore power seat movement



TS: C82004 / AZ: 696183
Gear Repair Kit - Power Seat
Nissan (2010-03)

COMPLETE KIT

Replace only the damaged power seat track gears instead of the entire seat track assembly to restore power seat movement

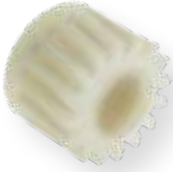
▶ Headlight Modules

Headlight modules (a.k.a lighting control modules) control various lighting system functions, including automatic headlamps, turn signal operation, and daytime running lamps. To provide direct-fit replacements for this important safety category, TechSmart® is proud to offer a line of 100% new, not remanufactured, Headlight Modules, so you can repair the problem correctly the first time.

See page 19 for product applications.



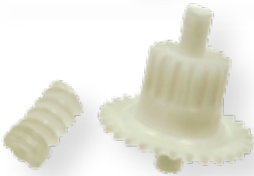
TechSmart No. / AutoZone SKU



TS: C82005 / **AZ: 696173**
Gear Repair Kit - Power Seat
Infiniti (2004-00)

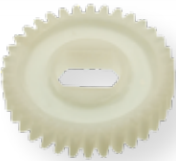
COMPLETE KIT

Replace only the damaged power seat track gears instead of the entire seat track assembly to restore power seat movement



TS: C82001 / **AZ: 696199**
Gear Repair Kit - Speedometer
Ford (1999-94)

3.8 MILLION
VIO



TS: C82002 / **AZ: 696150**
Gear Repair Kit -
Steering Column
Lexus (1996-90)

COMPLETE KIT

Replace only the stripped steering column adjustment gear instead of the entire steering column to restore tilt and telescoping steering column function



TS: T51001 / **AZ: 165882**
Governor Pressure Sensor
Chrysler Trucks and Vans
(2008-00)

Enhanced sensing capability and accurate signal output helps regulate transmission governor pressure, and helps prevent rough or jerking shifting while cruising



TS: B51002 / **AZ: 165889**
Governor Pressure Sensor
& Solenoid Kit
Chrysler Trucks and Vans
(2008-00)

1.8 MILLION
VIO



TS: G91004 / **AZ: 696141**
Headlight Level Motor
Honda Odyssey (2013-11)

PROBLEM SOLVER

Replace only the level motor instead of the whole headlight assembly



TS: G91005 / **AZ: 696162**
Headlight Level Motor
Toyota Prius and Venza
(2013-06)
VIO over 980,000

PROBLEM SOLVER

Replace only the level motor instead of the whole headlight assembly



TS: G91013 / **AZ: 696143**
Headlight Level Motor
Volkswagen (2012-00)

PROBLEM SOLVER

Replace just the level motor instead of the whole headlight assembly



TS: B71001 / **AZ: 470262**
Headlight Level Sensor
BMW (2011-97)

1.8 MILLION
VIO



TS: B71002 / **AZ: 470098**
Headlight Level Sensor
BMW (2010-97)
VIO over 1 million

PROVEN QUALITY

High quality direct replacement for damaged OE leveling sensor that restores proper headlight function



TS: R61001 / **AZ: 164533**
Headlight Module
BMW X3 (2015-11)

100% NEW NOT REMAN

100% new complete assembly replacement for failure-prone OE part



TS: R61004 / **AZ: 159319**
Headlight Module
Volkswagen (2014-08)

100% NEW NOT REMAN

100% new complete assembly replacement for failure-prone OE part



TS: C01001 / **AZ: 165657**
Headlight Switch Knob
Ford Trucks and SUVs
(2009-97)

4.1 MILLION
VIO



TS: F90006 / **AZ: 711419**
Headlight Wiring Harness
H11 Bulb Types

PROBLEM SOLVER

High-temp design prevents connector from melting when using high intensity aftermarket bulbs

► Hi-Temp Headlight Harnesses

The heat generated by modern OE automotive light bulbs can melt the bulb's connectors. To prevent melting, TechSmart's Headlight Wiring Harnesses have hi-temp connectors that can withstand extreme heat. The harnesses also have 14-gauge wire for better conductivity and a "plug & play" feature that lets you plug the harness right between the factory harness and new bulb. You can even use the harness as a pigtail if the original connector is melted.

See pages 19-20 for product applications.



TechSmart No. / AutoZone SKU



TS: F90009 / **AZ: 739494**
Headlight Wiring Harness
9006 Bulb Types

PROBLEM SOLVER

Hi-temp design prevents connector from melting when using high intensity aftermarket bulbs



TS: F90010 / **AZ: 739409**
Headlight Wiring Harness
9004 & 9007 Bulb Types

PROBLEM SOLVER

Hi-temp design prevents connector from melting when using high intensity aftermarket bulbs



TS: F90011 / **AZ: 711513**
Headlight Wiring Harness
9003 & H4 Bulb Types

PROBLEM SOLVER

Hi-temp design prevents connector from melting when using high intensity aftermarket bulbs



TS: Z58001 / **AZ: 695907**
Heated PCV Valve
Ford Trucks and SUVs
(2004-02)

PROBLEM SOLVER

Quality-designed to keep PCV systems operational, especially in colder climates



TS: F50001 / **AZ: 165665**
HEI Harness Repair Kit
GM (1992-74)
VIO over 2.8 million

PROBLEM SOLVER

Repairs worn tachometer & power leads for vehicles with HEI distributors



TS: R66012 / **AZ: 695884**
HID Headlight Ballast
GM Trucks (2014-07)

THINK TECHSMART FIRST

High-quality, direct replacement for burned-out Xenon Ballasts



TS: R66015 / **AZ: 696180**
HID Headlight Ballast
Nissan (2014-04)
Infiniti (2014-03)

3.0 MILLION
VIO



TS: R66029 / **AZ: 696142**
HID Headlight Ballast
Dodge (2015-08)
Lincoln (2006-05)

THINK TECHSMART FIRST

*High-quality, direct
replacement for burned-out
Xenon Ballasts*



TS: R66030 / **AZ: 696164**
HID Headlight Ballast
Ford (2014-07)

**1.4 MILLION
VIO**



TS: R66064 / **AZ: 183202**
HID Headlight Ballast
Audi (2009-05)
GM (2010-05)

THINK TECHSMART FIRST

*High-quality, direct
replacement for burned-out
Xenon Ballasts*

NEW



TS: R66076 / **AZ: 881051**
HID Headlight Ballast
GM/Dodge (2016-14)

THINK TECHSMART FIRST

*High-quality, direct
replacement for burned-out
Xenon Ballasts*

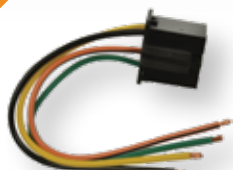
NEW



TS: F90016 / **AZ: 883565**
Hi-Temp Blower Motor
Resistor Connector
GM (2009-97)

**14.4 MILLION
VIO**

NEW



TS: F90017 / **AZ: 883577**
Hi-Temp Blower Motor
Resistor Connector
Ford (2014-81)

**12.3 MILLION
VIO**

NEW



TS: F90018 / **AZ: 883576**
Hi-Temp Blower Motor
Resistor Connector
Chrysler (2009-01)
VIO over 3.9 million

PROBLEM SOLVER

*Re-engineered TXL copper
wiring withstands high electric
current and prevents burning
out and melting*

► HID Headlight Ballasts

Ballasts power HID headlights. When one overheats and fails, the HID light system won't operate properly. TechSmart's line of direct-replacement HID Headlight Ballasts cover many popular domestic and import applications.

See page 21 for product applications.



TechSmart No. / AutoZone SKU

NEW



TS: F90019 / **AZ: 883571**
Hi-Temp Blower Motor
Resistor Connector
GM (2012-96)
VIO over 1.9 million

PROBLEM SOLVER

Re-engineered TXL copper wiring withstands high electric current and prevents burning out and melting

NEW



TS: F90020 / **AZ: 883550**
Hi-Temp Blower Motor
Resistor Connector
GM (2010-83)

9.9 MILLION VIO



TS: C10301 / **AZ: 380547**
Honda Shift Button Cover
Honda Accord (2005-03)
VIO over 972,000

PROBLEM SOLVER

Upgraded plastic material prevents issues of cracking and chipping common on the OE part



TS: C10300 / **AZ: 380583**
Honda Shifter Repair Kit
Honda Accord (2005-03)
VIO over 900,000

PROBLEM SOLVER

Upgraded plastic material prevents issues of cracking and chipping common on the OE part



TS: T38001 / **AZ: 470188**
Humidity Sensor
Hyundai Tiburon
(2006-03)

PROVEN QUALITY

Restores detection of humidity in vehicle cabin and automatically adjusts HVAC system for increased in-vehicle comfort



TS: T69005 / **AZ: 470180**
Humidity Sensor
Hyundai (2007-06)

PROVEN QUALITY

Restores detection of humidity in vehicle cabin and automatically adjusts HVAC system for increased in-vehicle comfort



TS: F04002 / **AZ: 165791**
HVAC Air Door Actuator
Ford Trucks and SUVs
(2013 -09)

2.2 MILLION VIO



TS: F04008 / **AZ: 165801**
 HVAC Air Door Actuator
 GM (2016-04)
VIO over 3.1 million

THINK TECHSMART FIRST

*OE Exact-Match design
 ensures proper fit, form
 and function*



TS: F04026 / **AZ: 696186**
 HVAC Air Door Actuator
 GM/Toyota (2008-02)
VIO over 1.3 million

THINK TECHSMART FIRST

*OE Exact-Match design
 ensures proper fit, form
 and function*



TS: G04008 / **AZ: 165778**
 HVAC Air Door Actuator
 Ford Mustang (2009-05)

THINK TECHSMART FIRST

*OE Exact-Match design
 ensures proper fit, form
 and function*



TS: J04001 / **AZ: 165797**
 HVAC Air Door Actuator
 Ford SUVs (2010-02)
VIO over 1.9 million

THINK TECHSMART FIRST

*OE Exact-Match design
 ensures proper fit, form
 and function*



TS: J04003 / **AZ: 165765**
 HVAC Air Door Actuator
 Ford SUVs (2010-01)

**2.4 MILLION
 VIO**



TS: J04010 / **AZ: 165769**
 HVAC Air Door Actuator
 Ford Trucks and SUVs
 (2010-04)

**2.6 MILLION
 VIO**



TS: R19001 / **AZ: 695925**
 Hybrid Drive Coolant Pump
 Ford Escape/Mariner
 (2008-05)

PROVEN QUALITY

*Restores proper coolant
 flow to reduce operating
 temperatures of hybrid
 drive transaxle*

► HVAC Air Door Actuators and Blend Door Motors

A vehicle's HVAC system is a key component to driving comfort and proper vehicle operation. TechSmart® has developed a line of high-quality blend door, mode door, recirculation door, and defrost door actuators for many of today's most popular vehicle applications.

See pages 22-23 for product applications.



TechSmart No. / AutoZone SKU



TS: Z19001 / **AZ: 821527**
Hybrid Drive Coolant Pump
Toyota/Lexus (2015-10)
VIO over 1.1 million

PROVEN QUALITY

Restores proper coolant flow to reduce operating temperatures of hybrid drive transaxle



TS: Z19002 / **AZ: 821507**
Hybrid Drive Coolant Pump
Toyota (2014-12)

PROVEN QUALITY

Restores proper coolant flow to reduce operating temperatures of hybrid drive transaxle



TS: H11001 / **AZ: 165664**
Ignition Coil Connector
Volkswagen (2006-97)
VIO over 598,000

PROBLEM SOLVER

Repair only the damaged portion instead of replacing the entire harness



TS: F10001 / **AZ: 165666**
Ignition Coil Maintenance Kit
GM Trucks and SUVs (2006-02)
VIO over 1.4 million

PROBLEM SOLVER

Helps reduce water intrusion in the boot, increasing coil life



TS: H11002 / **AZ: 711509**
Ignition Coil Repair Harness
Mercedes-Benz C280 (2000-96)

PROBLEM SOLVER

Allows you to repair only the cracked or worn part of the ignition coil wiring instead of the entire harness

NEW



TS: R19002 / **AZ: 883575**
Inverter Coolant Pump
Toyota/Lexus (2015-12)
VIO over 888,000

PROBLEM SOLVER

Restores cooling functions from failed or leaking pumps

NEW



TS: R19003 / **AZ: 883552**
Inverter Coolant Pump
Toyota/Lexus (2015-12)

PROBLEM SOLVER

Restores cooling functions from failed or leaking pumps



TS: C02001 / AZ: 695959
Keyless Entry Transmitter
Ford (2011-98)

10.4 MILLION
VIO



TS: C02003 / AZ: 695868
Keyless Entry Transmitter
Ford (2015-98)

12.3 MILLION
VIO



TS: C02004 / AZ: 695949
Keyless Entry Transmitter
GM (2012-04)

3.0 MILLION
VIO



TS: C02005 / AZ: 695840
Keyless Entry Transmitter
GM (2012-06)

1.6 MILLION
VIO



TS: C02006 / AZ: 695909
Keyless Entry Transmitter
GM Trucks (2007-02)

3.7 MILLION
VIO



TS: C02007 / AZ: 695904
Keyless Entry Transmitter
GM (2009-05)
VIO over 600,000

THINK TECHSMART FIRST

*High-quality direct replacement
for failed OE key fobs*

*Complete unit matches fit, form,
and function of the original unit*



TS: C02008 / AZ: 695913
Keyless Entry Transmitter
GM (2013-06)

1.4 MILLION
VIO

► Memory Seat Position Sensor

Today's vehicles are designed with families in mind. Multiple drivers behind the wheel, each with a different preference for seat location. When the sensor that stores these different preferences fails, TechSmart has you covered with our new Memory Seat Position Sensor.

See page 27 for product applications.



TechSmart No. / AutoZone SKU



TS: C02009 / **AZ: 695922**
Keyless Entry Transmitter
GM SUVs (2009-02)

2.2 MILLION
VIO



TS: C02010 / **AZ: 695931**
Keyless Entry Transmitter
GM (2009-05)
VIO over 668,000

THINK TECHSMART FIRST

*High-quality direct replacement
for failed OE key fobs*

*Complete unit matches fit, form,
and function of the original unit*



TS: C02011 / **AZ: 695852**
Keyless Entry Transmitter
GM (2006-04)
VIO over 940,000

THINK TECHSMART FIRST

*High-quality direct replacement
for failed OE key fobs*

*Complete unit matches fit, form,
and function of the original unit*



TS: J72001 / **AZ: 479648**
Knock Sensor Wiring Harness
GM (2007-99)

8.0 MILLION
VIO



TS: V38001 / **AZ: 165724**
MAF Sensor Repair Kit
Chrysler/Mercedes-Benz
(2004-95)

PROVEN QUALITY

*Replace failed OE unit to
restore poor idling, and
engine hesitation*



TS: V38002 / **AZ: 165723**
MAF Sensor Repair Kit
Volkswagen (2006-00)

PROVEN QUALITY

*Replace failed OE unit to
restore poor idling, and
engine hesitation*



TS: V38003 / **AZ: 165725**
MAF Sensor Repair Kit
Volkswagen (2008-01)

PROVEN QUALITY

*Replace failed OE unit to
restore poor idling, and
engine hesitation*



TS: C10500 / AZ: 159517
Memory Seat Position Sensor
Ford Cars and SUVs (2013-05)
VIO over 2.8 million

THINK TECHSMART FIRST

*Replace failed OE unit
to restore driver seat
memory position*



TS: L26001 / AZ: 165897
Oil Level Sensor
BMW (2010-95)

**1.1 MILLION
VIO**



TS: L26002 / AZ: 165898
Oil Level Sensor
Volkswagen (2012-05)
VIO over 700,000

PROVEN QUALITY

*Solid-state liquid level
sensor provides accurate
measurement of oil level in
pan, ensuring proper vehicle
service intervals*



TS: R26003 / AZ: 165883
Oil Level Sensor
BMW 528 (1998-97)

PROVEN QUALITY

*Solid-state liquid level
sensor provides accurate
measurement of oil level in
pan, ensuring proper vehicle
service intervals*

NEW



TS: C09001 / AZ: 883562
Oil Pressure Switch Filter
GM (2015-05)

**3.8 MILLION
VIO**

NEW



TS: J53001 / AZ: 881065
Oil Pump Solenoid
Chrysler (2016-11)

**4.2 MILLION
VIO**



TS: J27003 / AZ: 695891
Oil Separator
BMW (2001-95)

PROBLEM SOLVER

*Properly restores function of
emissions system following
failure caused by cracked or
leaking OE units*

▶ Overrunning Alternator Pulleys

With TechSmart's line of Overrunning Alternator Pulleys, you can replace a damaged pulley without spending time replacing the entire alternator assembly. Once installed, TechSmart's Overrunning Alternator Pulley will reduce stress on the belt drive system, leading to improved performance and a smoother, quieter ride. The direct-replacement parts cover over 3 million VIO and include new dust covers.

See pages 29-30 for product applications.



TechSmart No. / AutoZone SKU



TS: 027001 / AZ: 165878
Oil Separator
BMW (2006-00)

PROBLEM SOLVER

Properly restores function of emissions system following failure caused by cracked or leaking OE units



TS: 027002 / AZ: 165877
Oil Separator
BMW (2000-96)

3.3 MILLION
VIO



TS: S27005 / AZ: 695929
Oil Separator
BMW (2001-93)

PROBLEM SOLVER

Properly restores function of emissions system following failure caused by cracked or leaking OE units



TS: S27006 / AZ: 695918
Oil Separator
BMW (2006-00)

PROBLEM SOLVER

Properly restores function of emissions system following failure caused by cracked or leaking OE units



TS: Z27003 / AZ: 695905
Oil Separator
Volkswagen/Audi (2014-05)

PROBLEM SOLVER

Properly restores function of emissions system following failure caused by cracked or leaking OE units



TS: Q27003 / AZ: 165879
Oil Separator Breather Hose
BMW (2000-96)

PROBLEM SOLVER

Properly restores function of emissions system following failure caused by cracked or leaking OE units



TS: Z16007 / AZ: 695854
Oil Separator Kit
BMW X5 (2006-04)

COMPLETE KIT

Includes insulated oil separator and hoses that protect against cracking and oil leakage



TS: Z16005 / **AZ: 695946**
Oil Separator Service Kit
BMW (2006-98)
VIO over 700,000

COMPLETE KIT

Includes insulated oil separator and hoses that protect against cracking and oil leakage



TS: G93001 / **AZ: 756036**
Overrunning Alternator Pulley
Volvo (2004-00)

THINK TECHSMART FIRST

Allows you to replace only the failed pulley instead of the entire alternator



TS: G93004 / **AZ: 756017**
Overrunning Alternator Pulley
Mazda 6 (2005-03)

THINK TECHSMART FIRST

Allows you to replace only the failed pulley instead of the entire alternator



TS: G93005 / **AZ: 756057**
Overrunning Alternator Pulley
Ford/Mazda (2007-05)

THINK TECHSMART FIRST

Allows you to replace only the failed pulley instead of the entire alternator



TS: G93006 / **AZ: 755976**
Overrunning Alternator Pulley
Volkswagen (1999-92)

THINK TECHSMART FIRST

Allows you to replace only the failed pulley instead of the entire alternator



TS: G93007 / **AZ: 755903**
Overrunning Alternator Pulley
Volvo (2007-99)

THINK TECHSMART FIRST

Allows you to replace only the failed pulley instead of the entire alternator



TS: G93008 / **AZ: 755892**
Overrunning Alternator Pulley
Chrysler/Mercedes-Benz
(2013-07)

THINK TECHSMART FIRST

Allows you to replace only the failed pulley instead of the entire alternator

▶ Park Assist Sensors

Park assist sensors (known as back-up sensors) have high failure rates. To help with repair, TechSmart® offers an array of Park Assist Sensors for various makes and models. Each sensor is a direct-replacement part, not a universal retrofit kit.

See pages 30-31 for product applications.



TechSmart No. / AutoZone SKU



TS: G93009 / **AZ: 755911**
Overrunning Alternator Pulley
Volkswagen/Audi (2010-04)

THINK TECHSMART FIRST

*Allows you to replace only
the failed pulley instead of
the entire alternator*



TS: G93011 / **AZ: 756010**
Overrunning Alternator Pulley
Volkswagen (2014-02)

THINK TECHSMART FIRST

*Allows you to replace only
the failed pulley instead of
the entire alternator*



TS: G93012 / **AZ: 755981**
Overrunning Alternator Pulley
Volkswagen (2014-05)
VIO over 680,000

THINK TECHSMART FIRST

*Allows you to replace only
the failed pulley instead of
the entire alternator*



TS: T36001 / **AZ: 165885**
Park Assist Sensor
Ford (2011-05)

1.5 MILLION
VIO



TS: T36004 / **AZ: 165890**
Park Assist Sensor
Ford (2006-03)

PROVEN QUALITY

*High-quality, direct
replacement for
damaged sensors*



TS: T36006 / **AZ: 165892**
Park Assist Sensor
Ford (2009-01)

9.0 MILLION
VIO



TS: T36009 / **AZ: 470038**
Park Assist Sensor
BMW (2010-06)

PROVEN QUALITY

*High-quality, direct
replacement for
damaged sensors*

NEW



TS: T36055 / AZ: 881063
Park Assist Sensor
GM (2016-06)

7.1 MILLION
VIO

NEW



TS: T36056 / AZ: 881066
Park Assist Sensor
Chrysler (2016-09)
VIO over 6.6 million

PROVEN QUALITY

*High-quality, direct
replacement for
damaged sensors*

NEW



TS: T36057 / AZ: 881059
Park Assist Sensor
GM (2017-14)
VIO over 2.7 million

PROVEN QUALITY

*High-quality, direct
replacement for
damaged sensors*



TS: R45001 / AZ: 165659
Power Distribution Center
Volkswagen (2006-99)
VIO over 700,000

PROBLEM SOLVER

*Upgraded design and
components prevent
melting and heat failure
that occurs in OE part*



TS: R45002 / AZ: 165660
Power Distribution Center
Volkswagen (2003-98)

PROBLEM SOLVER

*Upgraded design and
components prevent
melting and heat failure
that occurs in OE part*



TS: Y10100 / AZ: 821551
Power Liftgate Actuator
Lexus (2014-12)

THINK TECHSMART FIRST

*Direct OE-quality
replacement eliminates noise
and improves lift function*



TS: Y10101 / AZ: 821476
Power Liftgate Actuator
Toyota Highlander
(2013-08)
VIO over 700,000

THINK TECHSMART FIRST

*Direct OE-quality
replacement eliminates noise
and improves lift function*

► Rain Sensors

When rain sensors notice a decrease in light in a vehicle's wet windshield, they automatically trigger the windshield wipers. If the sensors fail, drivers will need to adjust their wipers manually during mists or intermittent rains. TechSmart's Rain Sensors match the OE sensors for fit, form, and function to keep automatic wipers operating efficiently and safely.

See pages 32-34 for product applications.



TechSmart No. / AutoZone SKU



TS: Y10102 / AZ: 821562
Power Liftgate Actuator
Toyota RAV4 (2014-13)

THINK TECHSMART FIRST

*Direct OE-quality
replacement eliminates noise
and improves lift function*



TS: Y10103 / AZ: 821510
Power Liftgate Actuator
Toyota RAV4 (2014-13)

THINK TECHSMART FIRST

*Direct OE-quality
replacement eliminates noise
and improves lift function*



TS: Y10104 / AZ: 831752
Power Liftgate Actuator
Toyota Sequoia
(2014-08)

THINK TECHSMART FIRST

*Direct OE-quality
replacement eliminates noise
and improves lift function*



TS: Y10105 / AZ: 831499
Power Liftgate Actuator
Toyota Sienna (2014-11)
VIO over 570,000

THINK TECHSMART FIRST

*Direct OE-quality
replacement eliminates noise
and improves lift function*



TS: Y10106 / AZ: 821491
Power Liftgate Actuator
Toyota Venza (2013-09)

THINK TECHSMART FIRST

*Direct OE-quality
replacement eliminates noise
and improves lift function*



TS: B43002 / AZ: 470109
Rain Sensor
Lexus GX470 (2009)

PROVEN QUALITY

*High-quality direct-fit
replacement for
failure-prone sensor*



TS: B43004 / AZ: 470145
Rain Sensor
Lexus (2007-05)

PROVEN QUALITY

*High-quality direct-fit
replacement for
failure-prone sensor*



TS: B43005 / AZ: 156984
Rain Sensor
BMW (2010-00)
VIO over 900,000

PROVEN QUALITY

*High-quality direct-fit
replacement for
failure-prone sensor*



TS: B43006 / AZ: 182022
Rain Sensor
BMW (2010-02)

PROVEN QUALITY

*High-quality direct-fit
replacement for
failure-prone sensor*



TS: B43007 / AZ: 87684
Rain Sensor
BMW (2010-04)

PROVEN QUALITY

*High-quality direct-fit
replacement for
failure-prone sensor*



TS: B43009 / AZ: 167205
Rain Sensor
Mercedes-Benz (2011-96)

PROVEN QUALITY

*High-quality direct-fit
replacement for
failure-prone sensor*



TS: B43010 / AZ: 157032
Rain Sensor
Mercedes-Benz (2014-08)
VIO over 600,000

PROVEN QUALITY

*High-quality direct-fit
replacement for
failure-prone sensor*



TS: B43012 / AZ: 160242
Rain Sensor
Mazda (2015-04)

**1.0 MILLION
VIO**



TS: B70001 / AZ: 470236
Rain Sensor
Lexus ES350 (2009-07)

PROVEN QUALITY

*High-quality direct-fit
replacement for
failure-prone sensor*

► Ride Height Sensors

On many GM trucks with auto-leveling suspension, the ride height sensors are underneath the body. As a result, they're susceptible to damage and failure from crashes or water/road salt intrusion. To make repair easier, TechSmart's Ride Height Sensor comes with the bracket and linkage.

See below for product applications.



TechSmart No. / AutoZone SKU



TS: F03004 / AZ: 470066

Rain Sensor
Lexus (2008-06)

PROVEN QUALITY

*High-quality direct-fit
replacement for
failure-prone sensor*



TS: L71063 / AZ: 695844

Ride Height Sensor
GM Trucks and SUVs
(2011-07)

4.2 MILLION
VIO



TS: L71064 / AZ: 696202

Ride Height Sensor
GM Trucks and SUVs
(2011-07)

4.1 MILLION
VIO



TS: L71067 / AZ: 695875

Ride Height Sensor
GM Trucks and SUVs
(2011-07)

4.1 MILLION
VIO



TS: L71074 / AZ: 821799

Ride Height Sensor
GM Trucks and SUVs
(2007-04)

VIO over 3.1 million

PROVEN QUALITY

*High-quality, direct
replacement for
damaged sensors*



TS: Z71066 / AZ: 711299

Ride Height Sensor
GM Trucks and SUVs
(2011-06)

4.1 MILLION
VIO



TS: Z71073 / AZ: 755905

Ride Height Sensor
GM (2011-04)

PROVEN QUALITY

*High-quality, direct
replacement for
damaged sensors*



TS: Z71082 / AZ: 184226
Ride Height Sensor
Cadillac CTS (2014-08)

PROVEN QUALITY

High-quality, direct replacement for damaged sensors



TS: Z71083 / AZ: 164335
Ride Height Sensor
Cadillac (2014-09)

PROVEN QUALITY

High-quality, direct replacement for damaged sensors



TS: Z71084 / AZ: 157958
Ride Height Sensor
Cadillac (2006-04)

PROVEN QUALITY

High-quality, direct replacement for damaged sensors

NEW



TS: Z10600 / AZ: 883563
Running Board Motor
Ford (2014-07)
VIO over 460,000

THINK TECHSMART FIRST

Comes complete with electric motor, hinges, and mounting brackets for ease of installation

NEW



TS: Z10601 / AZ: 883569
Running Board Motor
Ford (2014-08)

THINK TECHSMART FIRST

Comes complete with electric motor, hinges, and mounting brackets for ease of installation



TS: B05001 / AZ: 165668
Shift Interlock Actuator
Ford (2009-92)

16.3 MILLION
VIO



TS: B05002 / AZ: 696369
Shift Interlock Lever
Mercedes-Benz (2011-00)

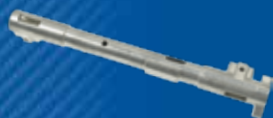
PROVEN QUALITY

Upgraded billet aluminum design allows you to replace only broken lever instead of entire shift assembly

► Steering Column Shift Tubes

When steering column shift tubes wear down, drivers may experience trouble shifting gears and the tubes may even fracture at their most vulnerable stress points. In some cases, repair can take two hours or more to complete. To help avoid performing the time-consuming repair twice, TechSmart's direct replacement Steering Column Shift Tubes are designed twice as thick as the competition's unit at the highest stress point.

See below for product applications.



TechSmart No. / AutoZone SKU



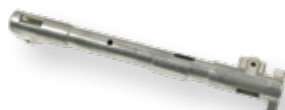
TS: B05005 / **AZ: 696149**

Shift Interlock Lever
Chrysler (2008-05)

VIO over 1.1 million

PROVEN QUALITY

Upgraded billet aluminum design allows you to replace only broken lever instead of entire shift assembly



TS: Q18001 / **AZ: 165876**

Steering Column Shift Tube
Ford Trucks, Vans, and SUVs
(2011-95)

VIO over 9.2 million

PROBLEM SOLVER

Thicker design at highest stress point prevents fractures better than competition's unit



TS: Q18003 / **AZ: 165875**

Steering Column Shift Tube
Ford (2007-90)

VIO over 5.7 million

PROBLEM SOLVER

Thicker design at highest stress point prevents fractures better than competition's unit



TS: Q18002 / **AZ: 165874**

Steering Column Shift Tube Bushing
Ford (2011-90)

VIO over 15.7 million

PROVEN QUALITY

*High-quality replacement for worn OE bushing
For use with
Q18001 and Q18003*



TS: T37003 / **AZ: 470067**

Sunload Sensor
Hyundai (2012-07)

PROVEN QUALITY

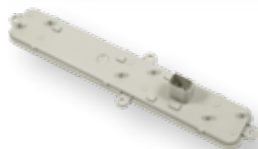
Accurately measures light and adjusts instrument display backlights



TS: U44001 / **AZ: 165821**

Supercharger Bypass Valve
GM (2005-96)

1.2 MILLION
VIO



TS: Q46003 / **AZ: 543449**

Tail Light Circuit Board
Dodge Ram (2006-02)

1.6 MILLION
VIO



TS: Q46004 / **AZ: 543463**
Tail Light Circuit Board
GM (2005-97)
VIO over 742,000

PROBLEM SOLVER

*High-quality
replacement for failed
OE circuit boards*



TS: Q46005 / **AZ: 543426**
Tail Light Circuit Board
GM Trucks and SUVs
(2000-88)

**2.8 MILLION
VIO**



TS: Q46006 / **AZ: 543559**
Tail Light Circuit Board
GM Trucks and SUVs
(2000-88)

**2.8 MILLION
VIO**



TS: Z46008 / **AZ: 470879**
Tail Light Circuit Board
Pontiac Grand Am (2005-99)
VIO over 600,000

PROBLEM SOLVER

*High-quality
replacement for failed
OE circuit boards*



TS: Z46010 / **AZ: 711304**
Tail Light Circuit Board
Nissan Versa (2013-12)

PROBLEM SOLVER

*High-quality
replacement for failed
OE circuit boards*



TS: Z46026 / **AZ: 711489**
Tail Light Circuit Board
Jeep Grand Cherokee (2006-05)

PROBLEM SOLVER

*High-quality
replacement for failed
OE circuit boards*



TS: Z63001 / **AZ: 695877**
Thermostat Housing Assembly
BMW (2006-98)
VIO over 850,000

PROBLEM SOLVER

*Comes complete with seal,
temperature sensor, and
thermostat with upgraded
aluminum housing*

▶ Trunk Latch Actuator Repair Kit

A common failure for certain Mercedes-Benz applications is a broken trunk latch actuator. Due to a weaker plastic on the original design, the actuator can break and cause the trunk not to open. TechSmart's Trunk Latch Actuator Repair Kit replaces only the broken piece in the assembly, saving shops time and money. With a thicker inner wall, more rounded edges on the locking slot, and an upgraded nylon material, TechSmart's Trunk Latch Actuator Repair Kit will last longer and perform better than the original.

See page 40 for product applications.



TechSmart No. / AutoZone SKU



TS: Z63008 / **AZ: 695914**
Thermostat Housing Assembly
Ford (2011-01)

1.0 MILLION
VIO



TS: Z63013 / **AZ: 747175**
Thermostat Housing Assembly
Mini Cooper (2008-02)

COMPLETE KIT

*High-quality direct
replacement housing includes
gasket and thermostat*



TS: Z63034 / **AZ: 695857**
Thermostat Housing Assembly
Chrysler Vans (2006-02)

COMPLETE KIT

*Includes temperature sensor,
thermostat, and seal*



TS: Z63044 / **AZ: 696148**
Thermostat Housing Assembly
Volkswagen Passat (2004-02)

COMPLETE KIT

*Includes temperature sensor,
thermostat, and seal*



TS: S67001 / **AZ: 695950**
Third Brake Light
GM SUVs (2006-03)

1.4 MILLION
VIO



TS: S47002 / **AZ: 695881**
Third Brake Light Gasket
GM SUVs (2006-03)

1.4 MILLION
VIO



TS: T42001 / **AZ: 165754**
Throttle Position Sensor
Honda (2001-88)

2.0 MILLION
VIO



TS: I05002 / **AZ: 755982**
Throttle Position Sensor
Repair Kit
Hyundai (2012-07)

THINK TECHSMART FIRST

*Allows you to replace only
the failed TPS instead of
the entire assembly*



TS: T42002 / **AZ: 479647**
Throttle Position Sensor
Repair Kit
Acura/Honda (2006-97)

THINK TECHSMART FIRST

*Allows you to replace only
the failed TPS instead of
the entire assembly*



TS: T42003 / **AZ: 479646**
Throttle Position Sensor
Repair Kit
Acura/Honda (2006-02)

THINK TECHSMART FIRST

*Allows you to replace only
the failed TPS instead of
the entire assembly*



TS: T42004 / **AZ: 479645**
Throttle Position Sensor
Repair Kit
Honda (2006-03)
VIO over 800,000

THINK TECHSMART FIRST

*Allows you to replace only
the failed TPS instead of
the entire assembly*



TS: T42005 / **AZ: 711282**
Throttle Position Sensor
Repair Kit
Honda Civic (2005-01)

**1.0 MILLION
VIO**

NEW



TS: G98001 / **AZ: 883560**
Timing Chain Cover Gasket
Repair Kit
Nissan/Infiniti (2014-01)

**2.7 MILLION
VIO**



TS: F52001 / **AZ: 379038**
Transfer Case Gear
Repair Kit
BMW SUVs (2010-01)

PROBLEM SOLVER

*Upgraded metal design
provides more durability
than the OE part's
plastic design*

▶ Variable Valve Timing (VVT) Spool Valve Filters

Clogged screens or a weak seal on the gasket can cause issues with a vehicle's VVT system that go beyond just replacing the solenoid. TechSmart is proud to offer a line of VVT Spool Valve Filters for Honda applications. Designed as a direct fit, TechSmart's VVT Spool Valve Filter will repair the faulty seal and restore the vehicle to peak performance.

See page 42 for product applications.



TechSmart No. / AutoZone SKU



TS: C32001 / **AZ: 165899**
Transmission Oil Temp Sensor
Ford (2010-99)

2.6 MILLION
VIO



TS: C32002 / **AZ: 165891**
Transmission Oil Temp Sensor
Ford (2011-92)

9.6 MILLION
VIO



TS: M14001 / **AZ: 165748**
Transmission Pressure
Switch Assembly
GM (2008-93)

18.4 MILLION
VIO



TS: M14003 / **AZ: 417779**
Transmission Pressure
Switch Assembly
GM (2009-91)

13.1 MILLION
VIO



TS: Z97001 / **AZ: 747331**
Trunk Hatch Handle Repair Kit
Scion tC (2010-05)

PROBLEM SOLVER

Comes complete with new ABS plastic handle, bracket mounting screws, washers, and metal mounting bracket with anti-corrosive coating



TS: G97001 / **AZ: 183269**
Trunk Latch Actuator
Repair Kit
Mercedes-Benz
(2006-03)

PROBLEM SOLVER

Actuator with heavy-gauge plastic housing allows you to repair only the failed actuator instead of the entire assembly

NEW



TS: U43003 / **AZ: 758909**
Turbocharger Boost Solenoid
BMW (2011-07)

PROVEN QUALITY

High-quality direct replacement for failed OE part



TS: G12001 / **AZ: 165818**
Turbocharger Bypass Valve
Volkswagen (2005-98)

PROVEN QUALITY

*Upgraded "710P" valve with
14.4 lbs spring for better-
than-OE performance*



TS: U43001 / **AZ: 165820**
Turbocharger Solenoid
GM (1997-94)

PROVEN QUALITY

*High-quality direct
replacement for failed
OE part*



TS: L86001 / **AZ: 479678**
Turbocharger Speed Sensor
Dodge Ram (2010-07)

PROBLEM SOLVER

*High-quality direct
replacement for failed
OE part*



TS: R56001 / **AZ: 711236**
Variable Intake Manifold Actuator
Volkswagen (2010-05)

THINK TECHSMART FIRST

*High-quality, direct
replacement for failed
OE part*



TS: R56002 / **AZ: 711396**
Variable Intake Manifold Actuator
Mazda 3 (2009-04)

THINK TECHSMART FIRST

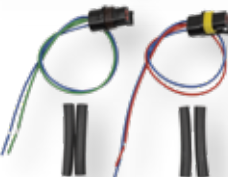
*High-quality, direct
replacement for failed
OE part*



TS: Z56003 / **AZ: 711373**
Variable Intake Manifold
Actuator Repair Kit
Mercedes-Benz (2011-05)
VIO over 850,000

COMPLETE KIT

*Comes with everything needed
to repair V6 Mercedes Benz
intake manifolds and clear
P2006 trouble codes*



TS: F65001 / **AZ: 475029**
Vehicle Speed Sensor Connector
Chrysler (2012-89)

12.0 MILLION
VIO

► Windshield Wiper Linkages

When windshield wiper linkage arms and bushings crack from wear and tear, they can prevent windshield wipers from functioning properly. To help you restore wiper function, TechSmart introduces a new line of Windshield Wiper Linkages for Hyundai and Kia applications. The direct-replacement linkages come as a complete assembly.

See below for product applications.



TechSmart No. / AutoZone SKU



TS: S29002 / **AZ: 165741**
VW Chain Tensioner Kit
Volkswagen (2005-01)

COMPLETE KIT

Includes new chain tensioner, gasket, and seal for complete repair



TS: F10300 / **AZ: 159665**
Variable Valve Timing (VVT) Spool Valve Filter
Honda (2011-02)
VIO over 2 million

PROBLEM SOLVER

Replace the clogged screen filter with an OE quality direct fit replacement



TS: F10301 / **AZ: 175257**
Variable Valve Timing (VVT) Spool Valve Filter
Honda (2014-98)

3.6 MILLION
VIO



TS: F10302 / **AZ: 180901**
Variable Valve Timing (VVT) Spool Valve Filter
Honda Civic (2014-06)
VIO over 2.2 million

PROBLEM SOLVER

Replace the clogged screen filter with an OE quality direct fit replacement



TS: B75001 / **AZ: 470148**
Wastegate Frequency Control Valve
Volkswagen (2010-05)

PROVEN QUALITY

High-quality direct replacement for failed OE part



TS: Z49046 / **AZ: 711511**
Windshield Washer Fluid Reservoir
Toyota Corolla (2002-98)

PROVEN QUALITY

High-quality direct replacement for failed OE part



TS: Z99001 / **AZ: 755998**
Windshield Wiper Linkage
Hyundai Accent (2005-00)

THINK TECHSMART FIRST

Direct-fit OE replacement properly restores visibility in bad weather



TS: Z99163 / **AZ: 755929**
Windshield Wiper Linkage
Hyundai Sonata (2010-06)
VIO over 550,000

THINK TECHSMART FIRST

*Replace failed OE unit and
restore visibility in bad weather*



TS: Z94000 / **AZ: 380661**
Windshield Wiper Motor
Hyundai Sonata (2010-06)
VIO over 550,000

THINK TECHSMART FIRST

*Replace failed OE unit and
restore visibility in bad weather*



TS: Z94001 / **AZ: 380662**
Windshield Wiper Motor
Hyundai Sante Fe (2004-01)

THINK TECHSMART FIRST

*Replace failed OE unit and
restore visibility in bad weather*



TS: Z94008 / **AZ: 380682**
Windshield Wiper Motor
Hyundai Tucson (2014-10)

THINK TECHSMART FIRST

*Replace failed OE unit and
restore visibility in bad weather*



TS: Z94011 / **AZ: 380687**
Windshield Wiper Motor
Kia Sorento (2009-03)

THINK TECHSMART FIRST

*Replace failed OE unit and
restore visibility in bad weather*



TS: Z94012 / **AZ: 380688**
Windshield Wiper Motor
Kia Sorento (2009-03)

THINK TECHSMART FIRST

*Replace failed OE unit and
restore visibility in bad weather*



TS: R87002 / **AZ: 696172**
Wiper Control Module
Kia Sorento (2008-03)

PROVEN QUALITY

*High-quality direct
replacement for failed
OE part*

TechSmart® Part No. to AutoZone® SKU Interchange

TechSmart No.	AutoZone SKU	TechSmart No.	AutoZone SKU	TechSmart No.	AutoZone SKU	TechSmart No.	AutoZone SKU
B05001	165668	C10301	380547	F66001	479652	G93009	755911
B05002	696369	C10500	159517	F66002	479654	G93011	756010
B05005	696149	C31001	165896	F66003	479653	G93012	755981
B22001	165678	C31002	470114	F90006	711419	G94001	883567
B43001	470159	C31004	470257	F90009	739494	G94002	883545
B43002	470109	C31005	711324	F90010	739409	G94003	883559
B43004	470145	C32001	165899	F90011	711513	G94004	883564
B43005	156984	C32002	165891	F90016	883565	G94005	883572
B43006	182022	C32004	470206	F90017	883577	G94006	883554
B43007	87684	C33001	470207	F90018	883576	G94007	883558
B43009	167205	C57001	470178	F90019	883571	G97001	183269
B43010	157032	C57002	479644	F90020	883550	G98001	883560
B43012	160242	C60001	555093	G04008	165778	H11001	165664
B49001	165895	C60002	479660	G06001	165661	H11002	711509
B51002	165889	C82001	696199	G12001	165818	I05002	755982
B70001	470236	C82002	696150	G16001	165727	J04001	165797
B71001	470262	C82003	696213	G28001	165711	J04003	165765
B71002	470098	C82004	696183	G28002	165713	J04010	165769
B75001	470148	C82005	696173	G28003	165715	J27003	695891
B96002	157636	E19001	883544	G35002	380576	J53001	881065
B96003	175877	E19002	883574	G35003	380577	J69001	470106
B96004	160721	E19003	883581	G62001	165731	J72001	479648
C01001	165657	F03001	165663	G83001	711478	J78002	554305
C02001	695959	F03004	470066	G91004	696141	J78004	883580
C02003	695868	F04002	165791	G91005	696162	J78005	747204
C02004	695949	F04008	165801	G91013	696143	J78006	887259
C02005	695840	F04026	696186	G92003	711533	K07001	165744
C02006	695909	F10001	165666	G92004	711526	K07003	470058
C02007	695904	F10300	159665	G92005	380587	K07012	160044
C02008	695913	F10301	175257	G93001	756036	K07023	175620
C02009	695922	F10302	180901	G93004	756017	L26001	165897
C02010	695931	F23001	165707	G93005	756057	L26002	165898
C02011	695852	F50001	165665	G93006	755976	L30001	165658
C09001	883562	F52001	379038	G93007	755903	L37001	165730
C10300	380538	F65001	475029	G93008	755892	L59001	695865



TechSmart No.	AutoZone SKU	TechSmart No.	AutoZone SKU	TechSmart No.	AutoZone SKU	TechSmart No.	AutoZone SKU
L71063	695844	R61004	159319	T42001	165754	Z49020	696015
L71064	696202	R66012	695884	T42002	479647	Z49027	696002
L71067	695875	R66015	696180	T42003	479646	Z49032	712381
L71074	821799	R66029	696142	T42004	479645	Z49036	696011
L86001	479678	R66030	696164	T42005	711282	Z49038	696024
M13001	695880	R66064	183202	T48001	695887	Z49046	711511
M14001	165748	R66076	881051	T51001	165882	Z56003	711373
M14003	417779	R87002	696172	T69005	470180	Z58001	695907
M40001	165680	R96001	883547	T92001	711520	Z63001	695877
N15002	165737	R96002	883573	U43001	165820	Z63008	695914
N15003	165739	R96003	883556	U43003	758909	Z63010	711338
N16001	165728	S20001	165848	U44001	165821	Z63011	755995
N16002	165726	S20008	165822	V38001	165724	Z63013	747175
O27001	165878	S20020	165858	V38002	165723	Z63025	695864
O27002	165877	S20041	165836	V38003	165725	Z63027	695901
Q18001	165876	S20120	87924	Y10100	821551	Z63028	711376
Q18002	165874	S20203	758912	Y10101	821476	Z63034	695857
Q18003	165875	S20204	881047	Y10102	821562	Z63044	696148
Q21002	711380	S27005	695929	Y10103	821510	Z70001	695934
Q27003	165879	S27006	695918	Y10104	831752	Z71066	711299
Q33002	711319	S29002	165741	Y10105	831499	Z71073	755905
Q46003	543449	S47002	695881	Y10106	821491	Z71082	184226
Q46004	543463	S49002	696007	Z10600	883563	Z71083	164335
Q46005	543426	S67001	695950	Z10601	883569	Z71084	157958
Q46006	543559	T36001	165885	Z16005	695946	Z93013	821481
R10300	178095	T36004	165890	Z16007	695854	Z94000	380661
R19001	695925	T36006	165892	Z19001	821527	Z94001	380662
R19002	883575	T36009	470038	Z19002	821507	Z94008	380682
R19003	883552	T36055	881063	Z27003	695905	Z94011	380687
R26003	165883	T36056	881066	Z35001	883568	Z94012	380688
R45001	165659	T36057	881059	Z35003	380643	Z95001	550918
R45002	165660	T37003	470067	Z46008	470879	Z95002	551783
R56001	711236	T37005	171173	Z46010	711304	Z97001	747331
R56002	711396	T37007	554356	Z46026	711489	Z99001	755998
R61001	164533	T38001	470188	Z49017	696026	Z99163	755929

Think TechSmart® First.

Alternator Decoupler Pulley Components

Alternator Decoupler Pulleys

The Problem: Replacing certain Alternator Decoupler Pulleys requires replacing the entire alternator assembly.

TechSmart's Response: Saving you time and money on a full repair, TechSmart's Alternator Decoupler Pulleys allow you to replace the damaged part without replacing the entire assembly. Once installed, TechSmart's Alternator Decoupler Pulleys will reduce stress on the belt drive system, leading to improved performance and a smoother, quieter ride.

- Allows you to replace only failed part instead of entire alternator
- High-quality material ensures performance under any condition
- Press-fit, triple sealed bearing ensures superior seal



TS: G94001 / AZ: 883567
Chrysler/Toyota (2014-01)
V10 over 3.7 million

Alternator Decoupler Pulley Tool Kit

With TechSmart's Alternator Decoupler Pulley Tool Kit, you'll have all the tools needed to service the alternator decoupler pulley in one easy-to-find place. With a complete range of 23 different Torx, spline, and hex adaptors that fit most alternators, TechSmart's Alternator Decoupler Pulley Tool Kit is the most complete kit in the market today.

TS: Z93013 / AZ: 821481
Fits most domestic & import applications





Electronic Throttle Bodies

The Problem: Electronic throttle bodies have high failure rates. When the original fails, it can affect a vehicle's power, fuel economy, and drivability.

TechSmart's Response: Meeting the demand for high-quality replacements, TechSmart's line of Electronic Throttle Bodies includes more than 160 direct-replacement units and covers more than 95 million VIO. To ensure quality and reliability, each unit is 100% new, never remanufactured. Plus, with our units, you won't encounter comebacks due to worn items in a partial rebuild.

100% NEW NOT REMAN

- Undergoes extensive testing to ensure quality and reliability out of the box
- New, never remanufactured, which maximizes performance and extends service life performance under any condition

TechSmart® Tip: Certain units require a factory relearn procedure, so remember to follow the OE service manual when performing the replacement.



TS: S20120 / AZ: 87924
Chrysler 2011-05
VIO over 1.1 Million

Superior Testing, Extensive Coverage

TechSmart's Electronic Throttle Bodies undergo extensive in-house testing at SMP's engineering department in Long Island City, NY. There, our engineers look at flow tests and make sure each unit meets our high performance standards. The result is a high-quality replacement with coverage for an array of domestic and import vehicles, including but not limited to Audi/VW, BMW, Ford, Toyota, and GM.



TechSmart® engineer performing TPS output test



Who We Are

From day one, TechSmart® has been committed to engineering and manufacturing problem-solving parts, complete kits, and new technologies - parts that make professional technicians' jobs easier.

Our mission at TechSmart® is to help professional automotive technicians solve problems, work more efficiently, and be more successful.

To do that, we consult with professional technicians around the country and engineer enhanced engine control products with them in mind. When we learn that a new technology, new product category, or problem-solving improvement is needed in the bay, we bring a high-quality product to market as swiftly as possible.

What We Are

- **New Technology:** TechSmart® meets the demand for high-tech aftermarket parts. Our line of enhanced engine-control products features new technologies and problem-solving improvements to OE parts.
- **Direct Fit, Never Consolidated:** TechSmart® never consolidates. For you, that means nothing needs to be clocked to fit, and no universal pigtails are needed to allow one part to be used for many vehicles at the expense of the technician. Our goal is to fix inefficiencies in the aftermarket.
- **OE Dealer Alternative:** Tired of hearing "Sorry, dealer only" when you call for parts? Look to TechSmart® as an alternative to calling the OE Dealer.
- **Dedicated Product Team:** Our product team works exclusively on TechSmart® to get the right part in the box quickly, which equates to speed to market.
- **3 Year/36,000 mile warranty** on all TechSmart® parts
- **100% new**, never remanufactured



"Every part we put into a TechSmart® box is a direct result of a conversation with a professional technician."

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TechSmart® by SMP®

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