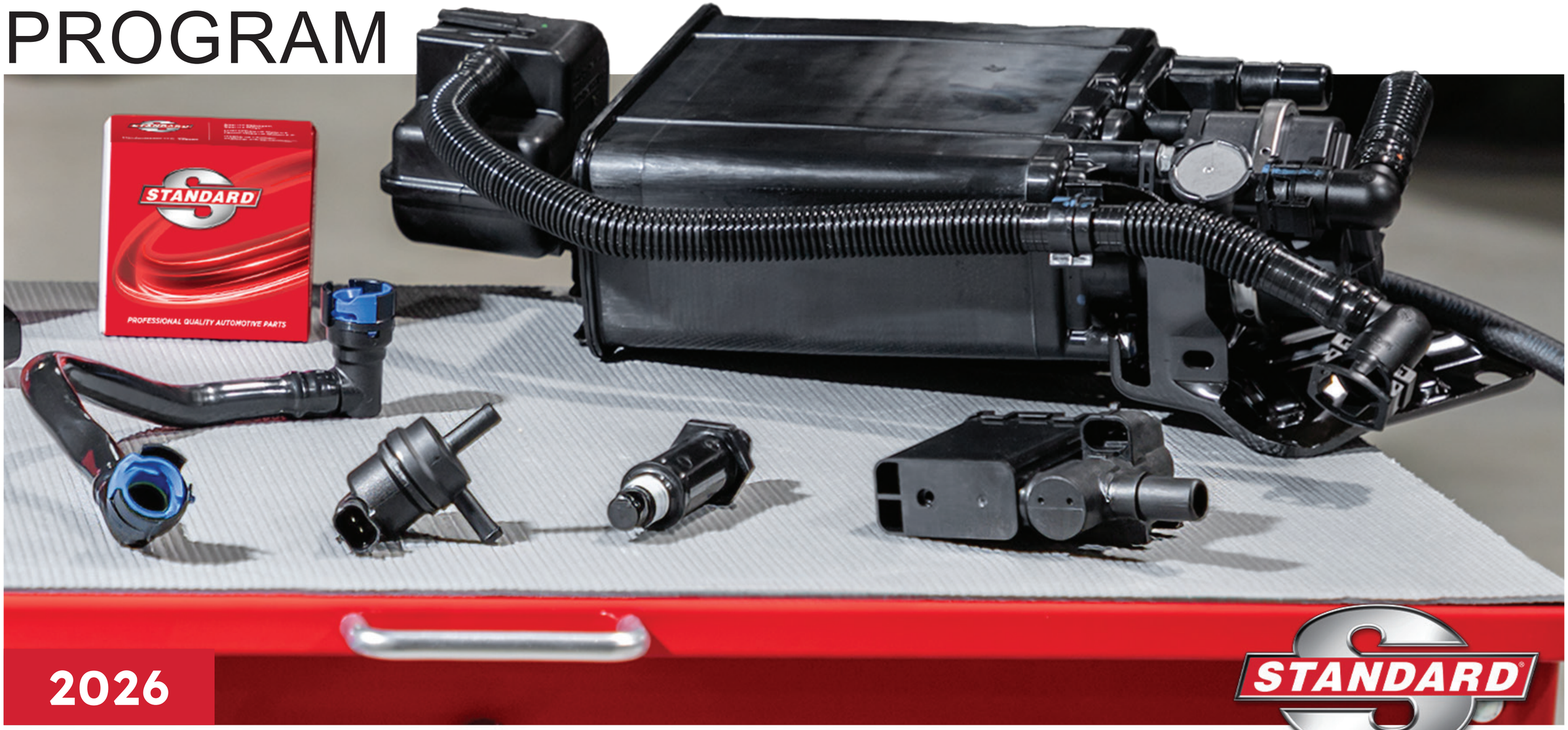
EMISSION CONTROL

PROGRAM



2026

STANDARD®

WHAT'S IN YOUR BOX?™

HERE'S WHAT'S IN OURS.



2,400+
COMPONENTS

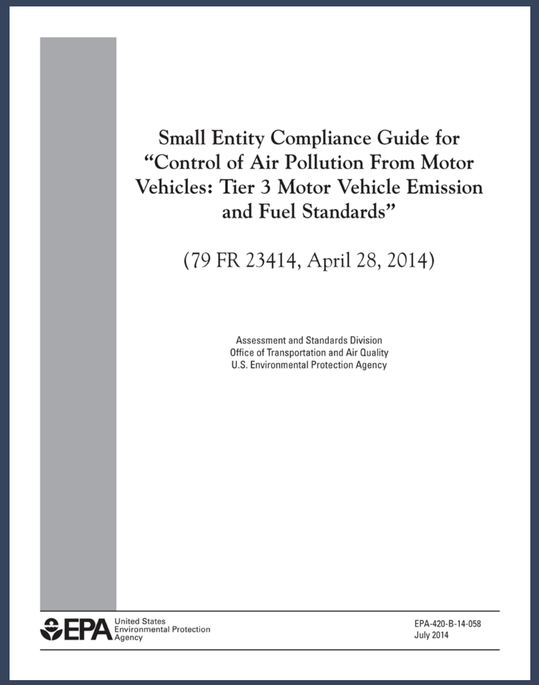
The Standard® Emission Program features over 2,400 EVAP, Crankcase Ventilation, and EGR components

Standard® offers over 1,200 EVAP, 580 crankcase ventilation and 680 exhaust gas recirculation (EGR) emission components

Standard® Emission Control components are engineered and tested to seamlessly integrate with the complex emission systems of modern vehicles

Growing Market

Evaporative emissions is already a large category, but the recent implementation of newer, stricter regulations means this category will see additional growth in the coming years.


Small Entity Compliance Guide for "Control of Air Pollution From Motor Vehicles: Tier 3 Motor Vehicle Emission and Fuel Standards"

(79 FR 23414, April 28, 2014)

Assessment and Standards Division
Office of Transportation and Air Quality
U.S. Environmental Protection Agency

EPA United States Environmental Protection Agency

EPA-420-B-14-058
July 2014

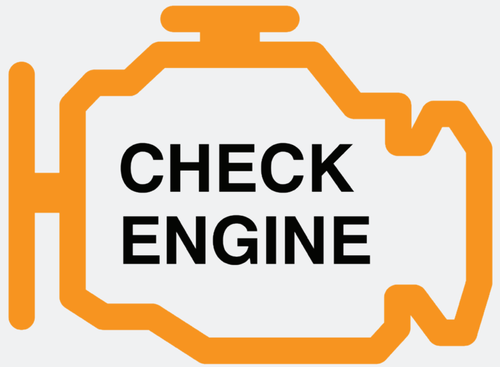
EPA Tier 3 Emission Standards

What it is

- Updated, stricter evaporative emission standards for new light- and medium-duty vehicles
- Written in 2014, implementation began in 2017 and full compliance was required by 2025
  - Improved leak detection systems
  - Lower allowance for hydrocarbons

What it means

- The EVAP systems in later-model vehicles are more sensitive, which causes the check engine light to come on sooner and more frequently
- Higher-quality, tested and validated EVAP components will be required to ensure these complex systems function correctly
- Necessary services to EVAP systems will increase



Source: EPA

Opportunities

Vehicle manufacturers usually recommend specific intervals for replacing filters. This is true for air filters, fuel filters, cabin air filters and now crankcase breather filters. Following these recommended service intervals will help keep vehicles performing as designed and reduce the chance of major repairs.





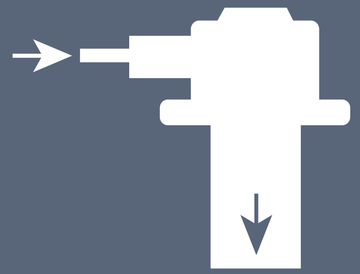
Crankcase breather filters on diesel RAM and Ford trucks have recommended service intervals

- RAM: 67,500 - 75,000 miles
- Ford: 4,000 hours OR 100,000 miles; inspect sooner for severe duty

Standard® Pro Training Tech Tip

A restricted crankcase breather filter can lead to increased oil consumption and may mimic the conditions of a failed turbocharger.

Impact on Engine Systems



An EGR valve that is stuck open allows exhaust gases into the intake passage, resulting in low vacuum and a rough running condition



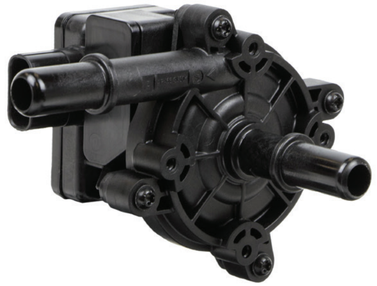
A stuck closed vent valve (normally open to the atmosphere) will make the fuel tank difficult to refill due to vapors being forced out of the filler neck, instead of going through the canister as intended



A stuck open purge valve (normally closed) will allow excess vapors to flow into the engine, creating a “flooded” situation that makes the vehicle hard to start

Standard® Emission Control Program

Standard® offers industry-leading coverage with over 2,400 emission components for import and domestic vehicles. All Standard® emission components are designed and tested to seamlessly integrate with the complex emission systems installed on today's vehicles. Our dedicated Product Managers ensure that the Standard® Emission Control Program offers every part technicians need to keep their customers' vehicles on the road.



Evaporative Emissions

The evaporative emission control system (EVAP) delivers fresh air and unburned vaporized hydrocarbons to the intake system to be reburned in the engine. Standard® offers a wide range of EVAP components to keep this complex system operating as designed.



EGR Components

Exhaust gas recirculation (EGR) returns a small portion of exhaust gas through the intake manifold to the combustion chambers, lowering temperatures and reducing the emission of NOx. Every Standard® EGR component is calibrated for precise performance to ensure trouble-free operation.



Crankcase Ventilation

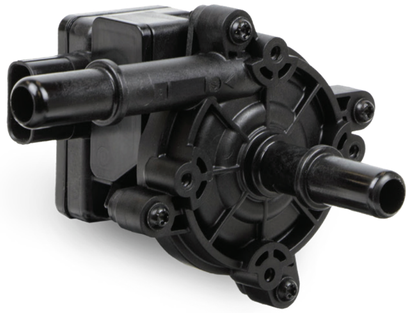
Positive crankcase ventilation systems route blow-by gases from the crankcase through the PCV valve and intake manifold, into the combustion chamber. Each crankcase ventilation component is designed as a direct-fit OE replacement, ensuring that it is easy to install and performs as intended.

What's New

EVAP Components

Standard® leads the way with an extensive EVAP catalog featuring over 1,200 SKUs covering millions of vehicles on the road today. Using premium EVAP components is critical as low-quality parts can leak, fail inspection, or cause system integration issues. Every Standard® EVAP component is rigorously engineered and tested to deliver OE fit, function, and long-term reliability, ensuring technicians feel confident with each repair.

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



CP122

Vapor Canister Purge Pump
GM
Cars, Trucks & SUVs
(2025-19) VIO: 2.8M





CP3790

Fuel Vapor Canister
Dodge / Jeep
SUVs
(2025-21) VIO: 850K





CP338

Canister Purge Solenoid
Ford / Lincoln
SUVs
(2025-20) VIO: 1M





EEH037

Vapor Canister Vent Hose
Chrysler
Minivans
(2023-18) VIO: 520K



What's New

Crankcase Ventilation Components

Standard® offers more than 580 crankcase ventilation components including Engine Oil Separators, PCV Valves, Crankcase Breather Hoses, and more. Key features of our Engine Oil Separators and PCV Valves include pre-installed, OE-matched fittings and high-quality seals for quick repairs and long-term reliability.

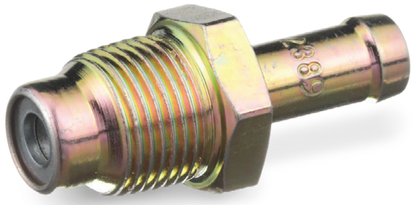
For the most recent applications, check the online catalog at **StandardBrand.com**.



EOS4

Engine Oil Separator
Ford
Trucks
(2019-16) VIO: 623K





V408

PCV Valve
Toyota
Trucks & SUVs
(2019-03) VIO: 2.3M





V735

Crankcase Breather Hose
Subaru
Cars & SUVs
(2020-11) VIO: 3.7M





V582

PCV Valve
GM
Cars, Trucks & SUVs
(2019-14) VIO: 4M



What's New

EGR Components

EGR systems are constantly evolving, and Standard® ensures technicians have the right parts for every repair. With more than 580 SKUs, our EGR catalog delivers comprehensive coverage for import and domestic vehicles. Each component is designed to fit like OE, engineered to withstand extreme temperatures, and tested to ensure durability.

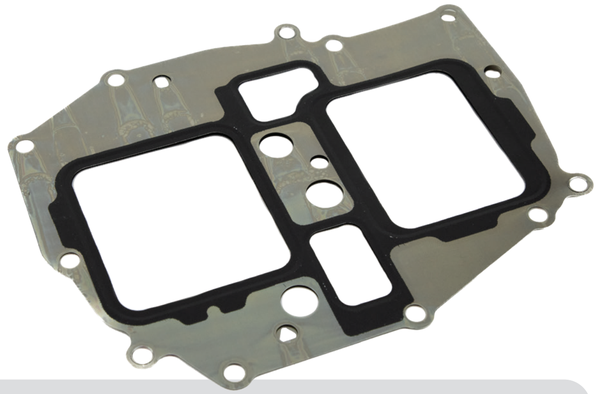
For the most recent applications, check the online catalog at **StandardBrand.com**.



EGV1330

EGR Valve
GM
Trucks & SUVs
(2025-20) VIO: 250K





VG404

EGR Cooler Gasket
Ford
Trucks
(2024-11) VIO: 1.8M





ETB133

EGR Tube
Subaru
Cars & SUVs
(2023-17) VIO: 976K





ECK37

EGR Cooler
Ford / Lincoln
Trucks & SUVs
(2024-19) VIO: 1.1M



EVAP Components

Modern EVAP systems are highly sensitive, and every component must work together to maintain emission compliance. Standard® EVAP components are engineered and extensively tested to ensure they integrate correctly with today's complex systems. From material selection to validation under extreme conditions, each part is built for reliability and long service life, giving technicians confidence in every repair.



Canister Purge Valves

Manufactured using high-temperature-resistant synthetic materials to maximize service life while minimizing the effect of underhood temperatures

110+ SKUs / 86M VIO



Canister Purge Solenoids

Designed to match OE specifications and seamlessly integrate with the vehicle's EVAP system

270+ SKUs / 207M VIO



Canister Vent Solenoids

Our proprietary molding technology provides superior resistance to harsh environmental conditions and drastically reduces the possibility of leaks

130+ SKUs / 149M VIO



Canister Vent Valves

Extensive testing ensures performance and reliability in extreme environments

20+ SKUs / 20M VIO

EVAP Components

Standard® utilizes the highest-quality material and manufacturing processes to ensure that all EVAP components meet OE specifications and operation requirements.

Our engineers design every part so they can easily be installed and trusted by technicians to function exactly as the OE manufacturer intended.



Fuel Vapor Canisters

Manufactured with the highest-grade materials for prolonged life and superior performance

500+ SKUs / 238M VIO



Fuel Vapor Leak Detection Pumps

Direct-fit OE replacements accurately detect evaporative leaks with the utilization of engine vacuum

55+ SKUs / 67M VIO



ESIM (Evaporative System Integrity Modules)

Designed and tested to accurately detect pressure change and provide corresponding voltage information to the vehicle’s PCM

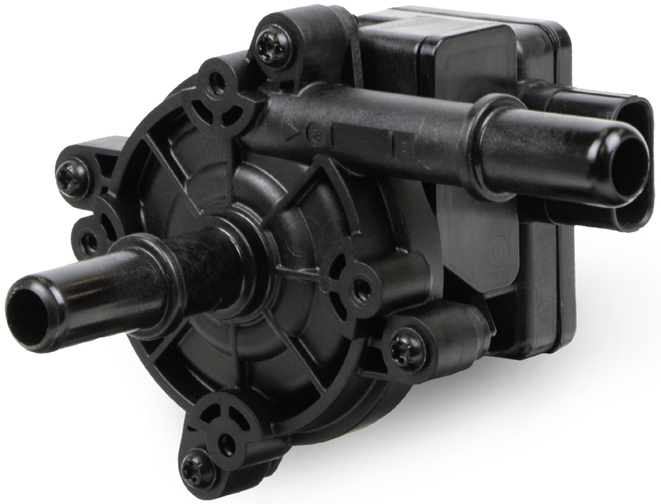
4 SKUs / 19M VIO

ESIMs are a type of leak detection pump designed by Chrysler. These components use two weights, a diaphragm, and a switch to detect pressure differences across a variety of conditions.

Vapor Canister Purge Pumps

Some newer, smaller-displacement engines don’t generate enough vacuum to clear fuel vapors from the canister. That’s where purge pumps come in; they help move vapors into the intake so they can be burned efficiently. Standard® EVAP components are designed for easy installation and validated to work seamlessly with today’s advanced EVAP systems.

The recently released Standard® CP122 Vapor Canister Purge Pump covers multiple OE numbers, providing coverage for millions of popular GM vehicles. This part can be easily installed using the vehicle’s existing mounting brackets.

OE Numbers	Standard®
12726033	**CP122** Vapor Canister Purge Pump GM Cars, Trucks & SUVs (2025-19) VIO: 2.8M 
12726365	
12734328	
12734329	
12735891	
12741163	
12741165	
25207098	
25207119	
This consolidation is supported by GM Service Bulletin 23-NA-214, December 2023	

TOP MOVERS RANKED:

EVAP Components

IMPORT APPLICATIONS



CP620
Canister Purge Solenoid
Toyota / Lexus / Scion / Mazda
Cars, Trucks & SUVs
(2023-06)

1



CP808
Canister Purge Solenoid
Toyota / Lexus
Cars, Trucks & SUVs
(2025-14)

2



CVS67
Canister Vent Solenoid
Nissan / Infiniti
Cars, Trucks, SUVs & Vans
(2025-03)

3



CVS78
Canister Vent Solenoid
Honda / Acura
Cars, Trucks & SUVs
(2025-08)

4



CP3192
Fuel Vapor Canister
Toyota
Cars
(2013-04)

5

DOMESTIC APPLICATIONS



CP612
Canister Purge Solenoid
GM
Cars, Trucks & SUVs
(2021-09)



CP471
Canister Purge Solenoid
GM
Cars, Trucks, SUVs & Vans
(2020-04)



CVS176
Canister Purge Valve
GM
Cars, Trucks, SUVs & Vans
(2024-14)



LDP12
Leak Detection Pump
Chrysler / Dodge / Jeep / RAM
Trucks, SUVs & Vans
(2021-04)



CP455
Fuel Vapor Canister
GM
Trucks & Vans
(2018-04)

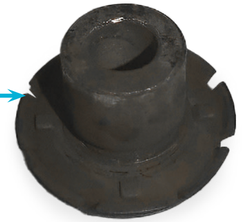
Engineering Improvements

To keep evaporative emissions systems operating correctly, it is important that each component functions exactly as intended. However, some OE designs have weak points that lead to premature failure. We evaluate these parts and engineer improvements for durability, extending the service life of the part.

Canister Purge Solenoid (Ford Vehicles)

OE Problem:

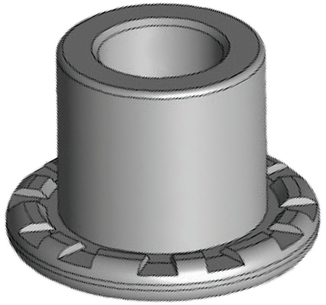
The original solenoid uses a plunger design with flaps that can prematurely break down. Debris from these flaps can become trapped inside the solenoid, causing it to stick open.



Standard® Solution:

Our engineers redesigned the plunger, replacing the flaps in the OE design with a 360° ribbed plunger stop.

This more robust design helps ensure a positive seal and is less prone to cracking.

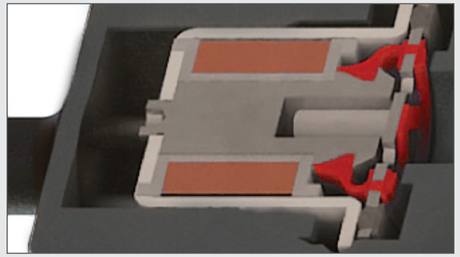


Standard® CP758
IMPROVED PLUNGER DESIGN

Canister Purge Solenoid (GM Vehicles)

OE Problem:

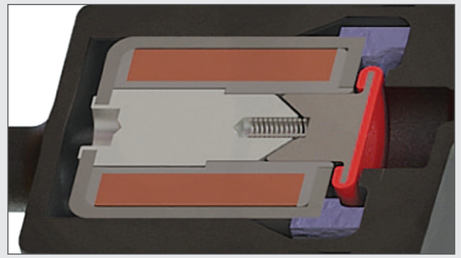
The plunger inside the solenoid cracks prematurely, causing the solenoid to stick open, allowing fuel vapor to flow into the engine unchecked.



Standard® Solution:

Our engineers improved the plunger design, used a stronger material and added an internal bobbin to keep the plunger running true.

By keeping the plunger in alignment, wear is reduced, resulting in a longer-lasting solenoid.



Standard® CP612
(MADE IN USA)

Precision Engineering

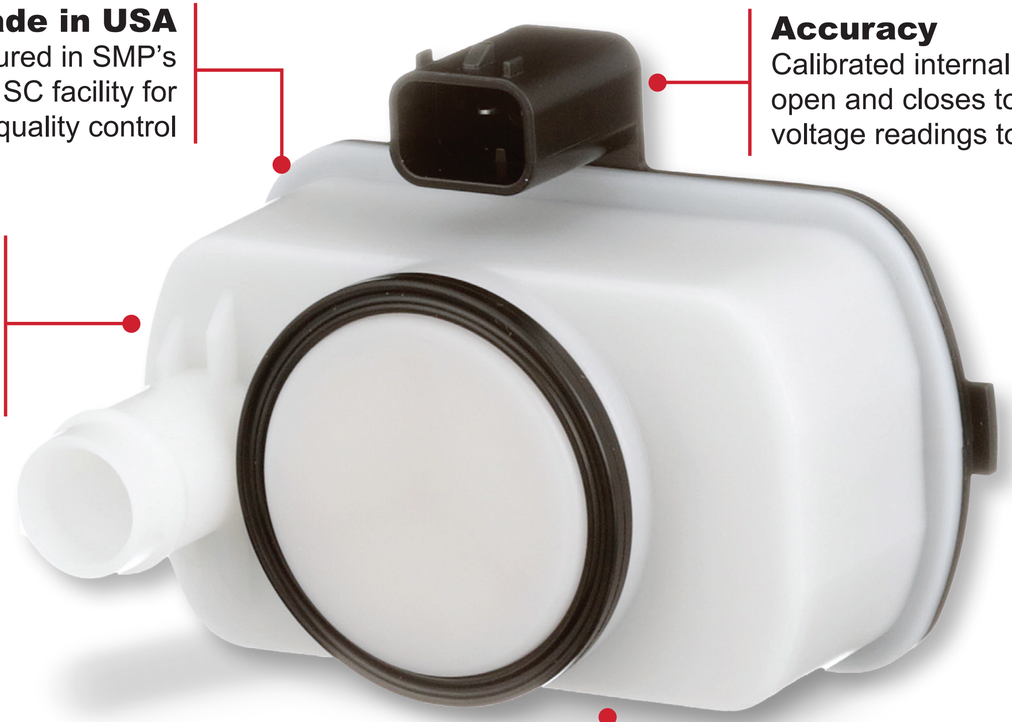
Evaporative System Integrity Modules (ESIM), also known as Evaporative System Integrity Monitors, are a key EVAP component on many late-model Chrysler, Dodge, Jeep, RAM and Fiat vehicles. Unlike previous leak detection systems, ESIMs do not contain a solenoid. Instead, ESIMs use two weights, a diaphragm and a switch to detect pressure differences across a variety of conditions.

Standard® Evaporative System Integrity Module

Made in USA
Manufactured in SMP's Greenville, SC facility for quality control

Accuracy
Calibrated internal diaphragm and spring open and closes to provide accurate voltage readings to the switch

Durability
Designed with a temperature-resistant synthetic housing for durability



O-Ring Included
Included O-ring allows for a leak-free, complete repair



LDP12
Chrysler / Dodge / Jeep / RAM / Fiat
Cars, Trucks, SUVs & Vans
(2021-07)

Crankcase Ventilation

Standard's crankcase ventilation components are designed, manufactured, and tested to restore performance when OE and competitor parts fail.

Did You Know

Many forced-induction vehicles rely on the PCV valve to protect internal engine components. Under heavy load, a failed PCV valve will allow positive pressure into the crankcase, possibly damaging the vital seals inside of it.



PCV Valves

Reroute crankcase gases to the intake where they are burned in the combustion process

340+ SKUs / 240M VIO



PCV Grommets

Manufactured using high-quality synthetic materials to resist breakdown from heat and promote a long-lasting seal around the PCV valve

20+ SKUs / 10M VIO



Engine Oil Separators

Designed to reduce carbon buildup and maintain engine efficiency by separating oil from recirculating crankcase gases

50+ SKUs / 33M VIO



Engine Crankcase Breather Hoses

Constructed using temperature-resistant materials and OE-style fittings to ensure easy install and proper function

130+ SKUs / 114M VIO



Crankcase Ventilation Filters

Engineered and tested to match OE filtration specifications

15+ SKUs / 7M VIO



TOP MOVERS RANKED:

Crankcase Ventilation Components

IMPORT APPLICATIONS



V509
PCV Valve
Hyundai / Kia
Cars & SUVs
(2023-07)

1



V384
PCV Valve
Honda / Acura
Cars, Trucks & SUVs
(2019-03)

2



V735
Crankcase Breather Hose
Subaru
Cars & SUVs
(2020-11)

3



V618
Engine Oil Separator
Audi / VW
Cars & SUVs
(2016-08)

4



EOS53
Engine Oil Separator
Audi / VW
Cars & SUVs
(2023-16)

5

DOMESTIC APPLICATIONS



V178
PCV Valve
GM
Cars, Trucks, SUVs & Vans
(1999-70)



V341
PCV Valve
Ford / Lincoln
Trucks, SUVs & Vans
(2004-97)



V638
Crankcase Breather Hose
Dodge / Jeep / RAM
Trucks & SUVs
(2012-07)



EOS1
Engine Oil Separator
Ford
Trucks
(2016-11)



BF43
Crankcase Ventilation Filter
RAM / Ford / Freightliner
Trucks
(2024-07)

EGR Program

Standard® exhaust gas recirculation components are manufactured using high-strength and heat-resistant materials to ensure that they withstand extreme exhaust temperatures.

Standard® EGR components are also subjected to stringent testing and validation processes which ensure long-term durability, reliability and service life.



EGR Valves

Built from industrial-grade materials for durability and calibrated to ensure precise operation

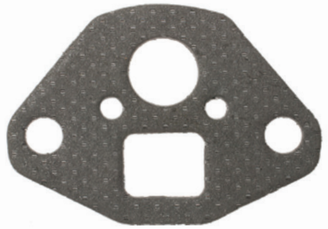
490+ SKUs / 90M VIO



EGR Control Solenoids

Made with the finest components including multiple precious metal contacts and polymer thick film resistors

55+ SKUs / 27M VIO



EGR Valve Mounting Gasket

Designed and manufactured using application-specific, heavy-duty materials to seal against extreme EGR temperatures

145+ SKUs / 80M VIO

Standard's offering of EGR components also includes:

- EGR Delay Valves
- EGR Pressure Feedback Hoses
- EGR Repair Kits
- EGR Time Delay Control Switches
- EGR Tubes
- EGR Valve Control Solenoid Filters
- ...and much more

TOP MOVERS RANKED:

EGR Components

IMPORT APPLICATIONS



EGV658
EGR Valve
Honda / Acura
Cars, Trucks & SUVs
(2010-97)

1



EGV1134
EGR Valve
Honda / Acura
Cars, Trucks & SUVs
(2020-08)

2



EGV558
EGR Valve
Toyota
Cars & SUVs
(2001-07)

3



EGV980
EGR Valve
Honda / Acura
Cars & SUVs
(2002-98)

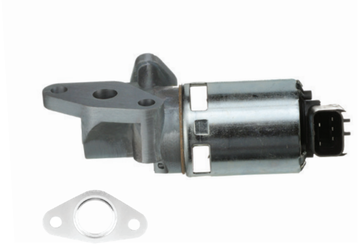
4



EGV981
EGR Valve
Honda
Cars
(2007-03)

5

DOMESTIC APPLICATIONS



EGV1149
EGR Valve
Chrysler / Dodge / Jeep
SUVs
(2011-07)



EGV827
EGR Valve
Chrysler / Dodge / Jeep
Cars, Trucks & SUVs
(2010-03)



EGV589
EGR Valve
GM
Cars, Trucks, SUVs & Vans
(2005-93)



EGV612
EGR Valve
GM
Cars & SUVs
(2009-00)



EGV1031
EGR Valve
Ford
Trucks & Vans
(2010-03)

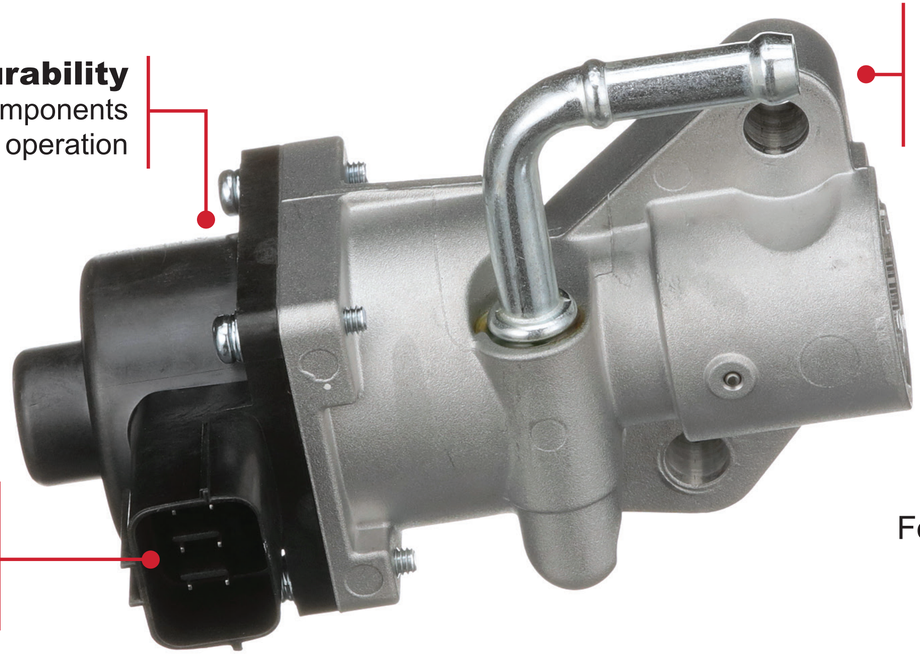
Precision Engineering

Every Standard® EGR Valve is engineered to handle extreme exhaust temperatures while delivering precise performance. Before it's placed in the Standard® box, each valve undergoes computer-controlled testing to verify resistance, leakage, response, and flow rates, so technicians can trust it to perform exactly as intended.

Standard® EGR Valve

Durability
Stainless steel valve components ensure long-lasting operation

Corrosion-Resistant
Anti-rust coating provides additional protection against harsh elements



Peak Conductivity
OE-matched connector fits the factory engine wiring harness

EGV1025
Ford / Mercury / Mazda
Cars, SUVs & Vans
(2023-03)



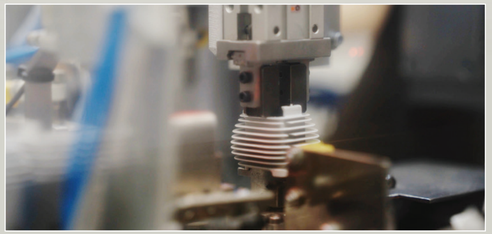
Easy Installation
Includes EGR gaskets for a comprehensive and complete repair

Precision Manufacturing in the USA

Popular emission components such as ESIMs and Canister Purge Solenoids are manufactured at our Greenville, SC and Independence, KS facilities. Other key emission components are designed and manufactured at our Reynosa, Mexico facility, helping to maintain a strong North American manufacturing footprint. This allows us to control the entire manufacturing process, from start to finish, manufacturing the aftermarket's highest-quality EVAP components.

Standard® emission categories manufactured in Kansas and South Carolina:

- Canister Purge Valves
- Canister Vent Valves
- Canister Purge Solenoids
- Canister Vent Solenoids
- Leak Detection Pumps
- ESIMs
- PCV Valves



Independence, KS



Greenville, SC

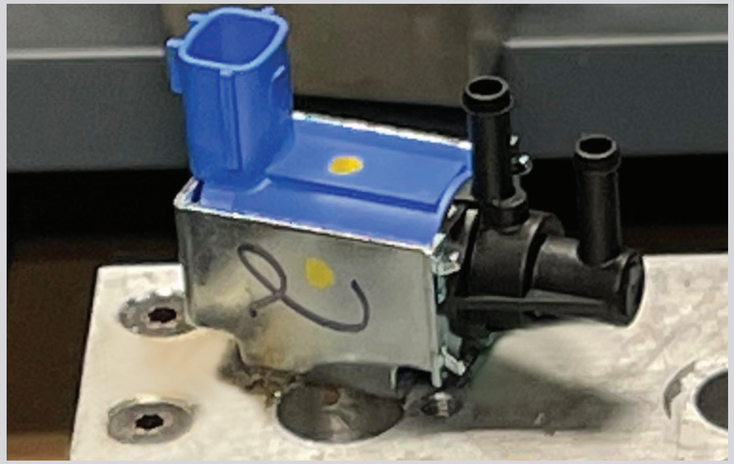
Testing and Validation

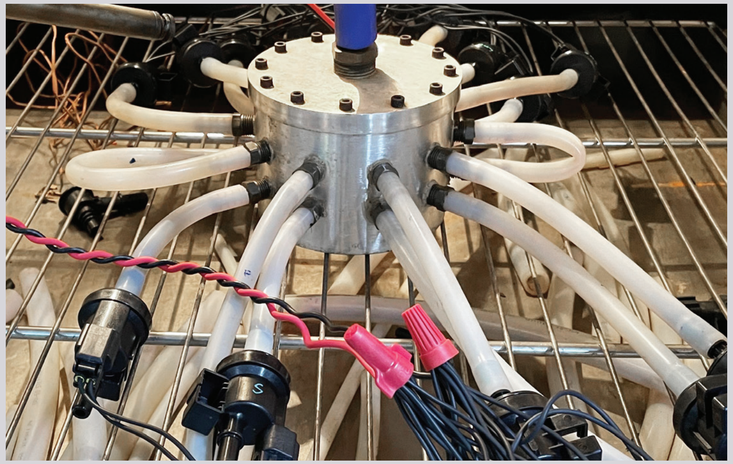
All Standard® emission components are tested, examined, and validated. Performance benchmarking, product life-cycle testing, and end-of-line testing ensure that each part meets OE quality and operation.

For example Standard® Canister Purge Solenoids undergo extreme condition tests including accelerated wear, thermal cycling, thermal shock, salt fog, vibration, and drop testing.



Standard® emission control products undergo on-vehicle testing at our Lewisville, Texas facility.





Canister Purge Solenoids undergoing vibration testing (left) and thermal cycle testing (right) at our Independence, Kansas facility.

Standard® Pro Training Tech Tips

As experienced ASE-certified automotive technicians themselves, Standard® Pro Trainers are experts in emission systems.

Here's what they say to look out for during an emission system service.



After an EVAP system is repaired, it is important to verify the repair by running a self-test and verifying that no DTCs have returned (this might not be possible for some small EVAP leak codes)



Crankcase breather systems on newer vehicles are now monitored and can set DTCs. Some of these components are labor intensive to access, so it is effective to replace them while other components are removed (starter, transmission, turbo, etc.)



Without a DTC, EVAP leaks can be difficult to find. Using a smoke machine to fill the system and find leaks is an excellent way to diagnose a problem

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

- Chrysler EVAP Tips and Tricks
- Diagnosing Catalytic Converter Codes
- Diagnosing Secondary Air Injection Systems
- EVAP System Diagnosis
- Lean Engine Diagnosis
- Misfire Diagnostics
- Rich Engine Diagnosis

PRO TRAINING ON-SITE

Available Classes

- Advanced Engine Mechanical Diagnostics
- EVAP Diagnostics
- Ford Gas Vehicle Update
- GM Engine Controls
- Keeping It Clean - Emission Diagnostics and Repair
- Misfire Diagnosis
- Nissan / Infiniti Diagnosis

For information on replacing emissions components, search “Emissions” on the **Standard Brand** YouTube channel or scan the QR code for the Emissions playlist

