OIL FILTER HOUSING KITS

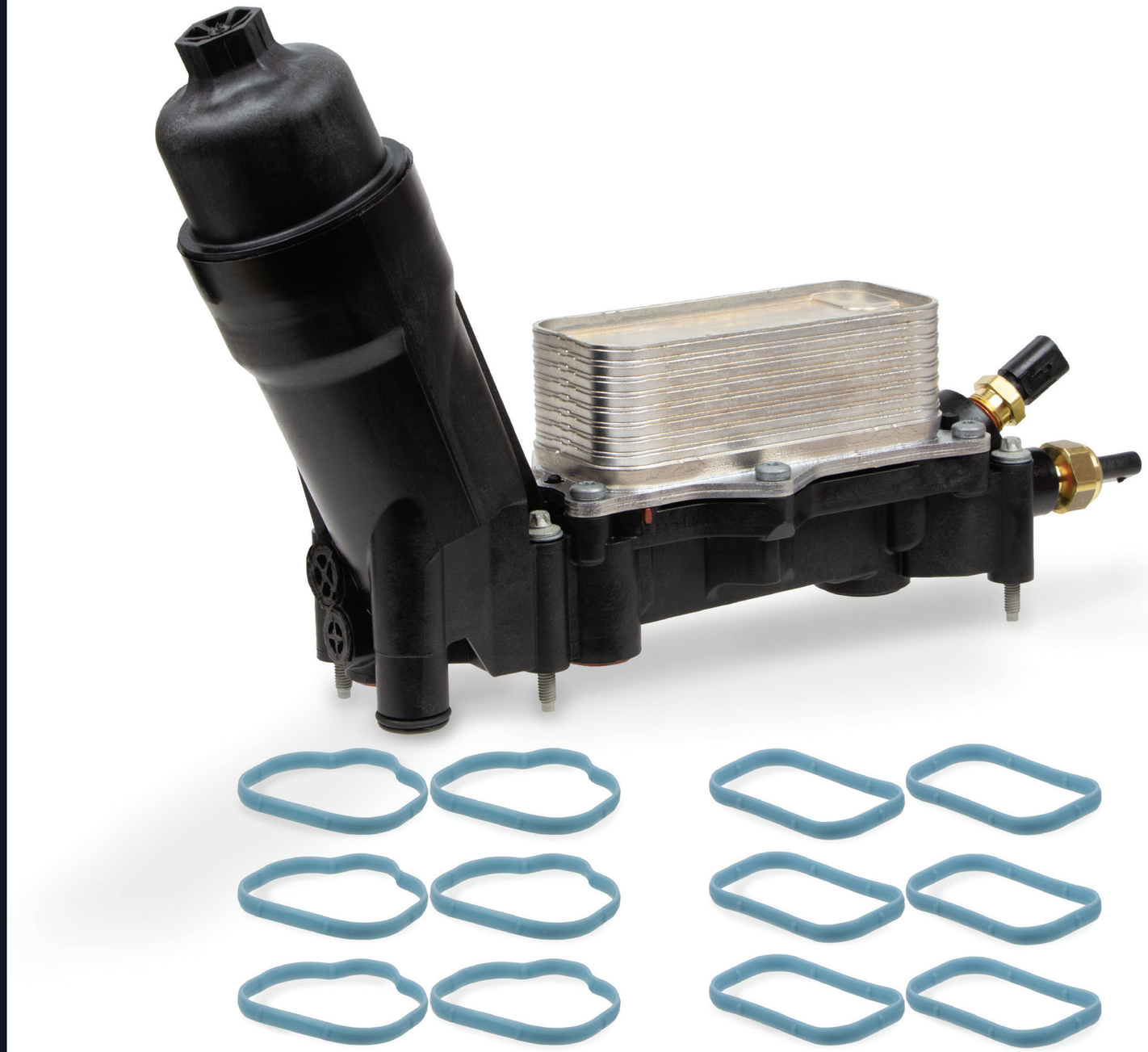
Highlights

1. Features design improvements over the original to prevent oil leaks

2. Comes assembled from the factory with both sensors and heat exchanger already installed, and includes new gaskets

3. Manufactured utilizing high-strength synthetic materials which match the cooling characteristics of the OE design

What's in your box?™



Impact on Engine Systems

A failed oil filter housing assembly can leak oil, causing severe unrepairable damage, resulting in complete engine replacement

OE units can also fail internally, which can cause the engine oil and coolant inside of them to mix, resulting in a potential engine failure

Over-torquing during installation can damage the housing, resulting in an oil leak

Overview

Chrysler Oil Filter Housings

Often referred to as Chrysler, or Stellantis, oil filter housings, these modular housings used on the Pentastar 3.2L and 3.6L have looked similar since 2011. Although they do look alike, there are real differences based on model year. Earlier housings used a different filter with a higher flow rate, and four different oil pressure sensors have been used since 2011. Because these housings are responsible for cooling and filtering the oil, it is critical that they match the original design for optimal performance.

Application-Specific Engineering

OEM PN	Year Range	Standard® PN	OEM Oil Pressure Sensor	OEM Oil Filter	Oil Filter Flow Rate
05184294AE	2013-2011	OFH100	5149062AA	805036493	12L / Minute
68105583AF	2016-2014	OFH101	5149062AA	805036488	10L / Minute
68310865AC	2018-2017	OFH103	68295556AA	805036488	10L / Minute
68365925AD	2023-2019	OFH104	68334877AA	805036488	10L / Minute

OFH100
(2013-11)
VIO: 3.8M

OFH101
(2016-14)
VIO: 3.4M

OFH103
(2018-17)
VIO: 1.3M

OFH104
(2023-19)
VIO: 1.3M

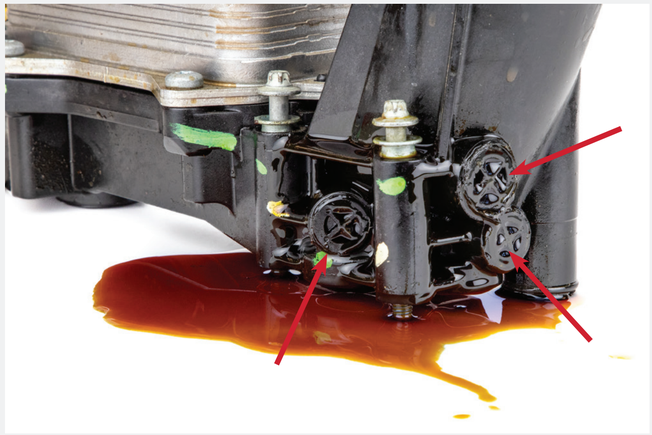
Sales Opportunities

It is common for the OE filter housings on Pentastar engines to leak around the plugs. Contrary to popular belief, these high-temp synthetic housings do not warp. Instead, the plugs used on the housings start to leak. During the manufacturing process, multiple plugs are inserted into the housing where the oil passages were formed. After years of service and thousands of heat cycles, these plugs can fail, allowing oil to seep from the housing.

Standard® Oil Filter Housings are built different. Instead, we install seals onto the plugs before ultrasonically welding them into the housing, eliminating the weak point in the original design.

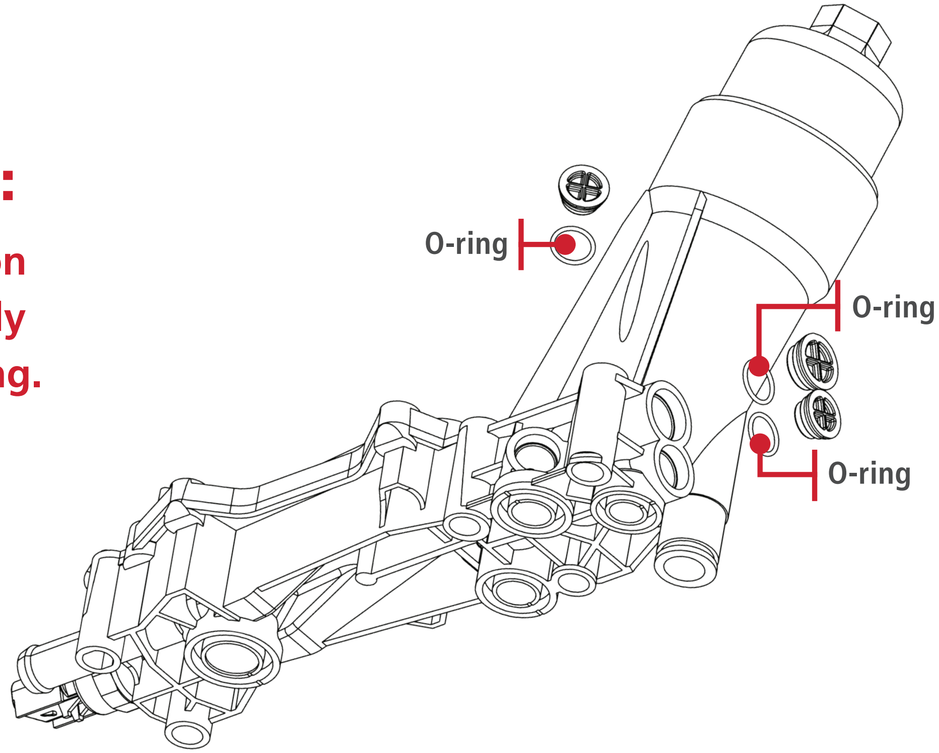
Problem:

The OE housing plugs do not feature any extra sealing components, often resulting in oil leaks.



Standard® Solution:

Standard® installs an O-ring on each plug before ultrasonically welding them into the housing. This creates a positive, long-lasting seal.



Sales Opportunities

It is also common for the Pentastar housings to leak around the oil pressure sensor. The oil pressure around the sensor is high enough that it can eventually seep between the housing and the brass inserts.

To prevent future leaks, the Standard® design utilizes high-temp, distortion-resistant seals installed onto knurled brass inserts which are heat staked into the housing. This is just another example of how Standard® engineers have improved the OE design.

Problem:

Oil leaks around the sensors and can lead to a complete replacement.

Standard® Solution:

1. **Standard® Housings feature dual high-temp, distortion-resistant seals on the oil pressure sensor insert, as well as increased knurling on both of the brass inserts in order to prevent oil leaks**

2. **New oil pressure and oil temperature sensors are installed at the factory and correctly torqued in a controlled environment, eliminating the chance of damaging the threads or housing**

What's New

Oil Filter Housing Assemblies

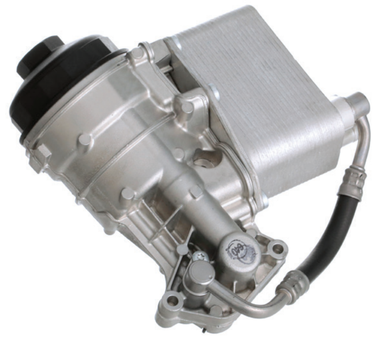
To help keep engines running strong, it is critical that the oil filter housing matches the heat-dissipating characteristics of the original. When the OE uses synthetic materials, Standard® does, and when the OE uses metal, Standard® does.

We have recently introduced additional Oil Filter Housings for import and domestic vehicles and are committed to expanding this product line.

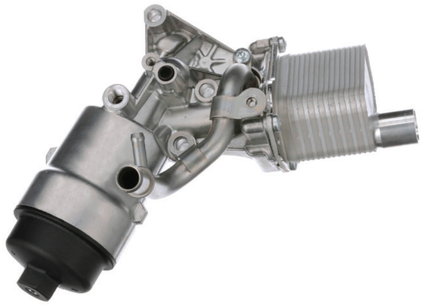
For the latest applications, be sure to check out our catalog at StandardBrand.com.

OFH106
Volvo Cars & SUVs
(2016-04)
VIO: 206K

OFH107
Volvo Cars & SUVs
(2014-07)
VIO: 87K



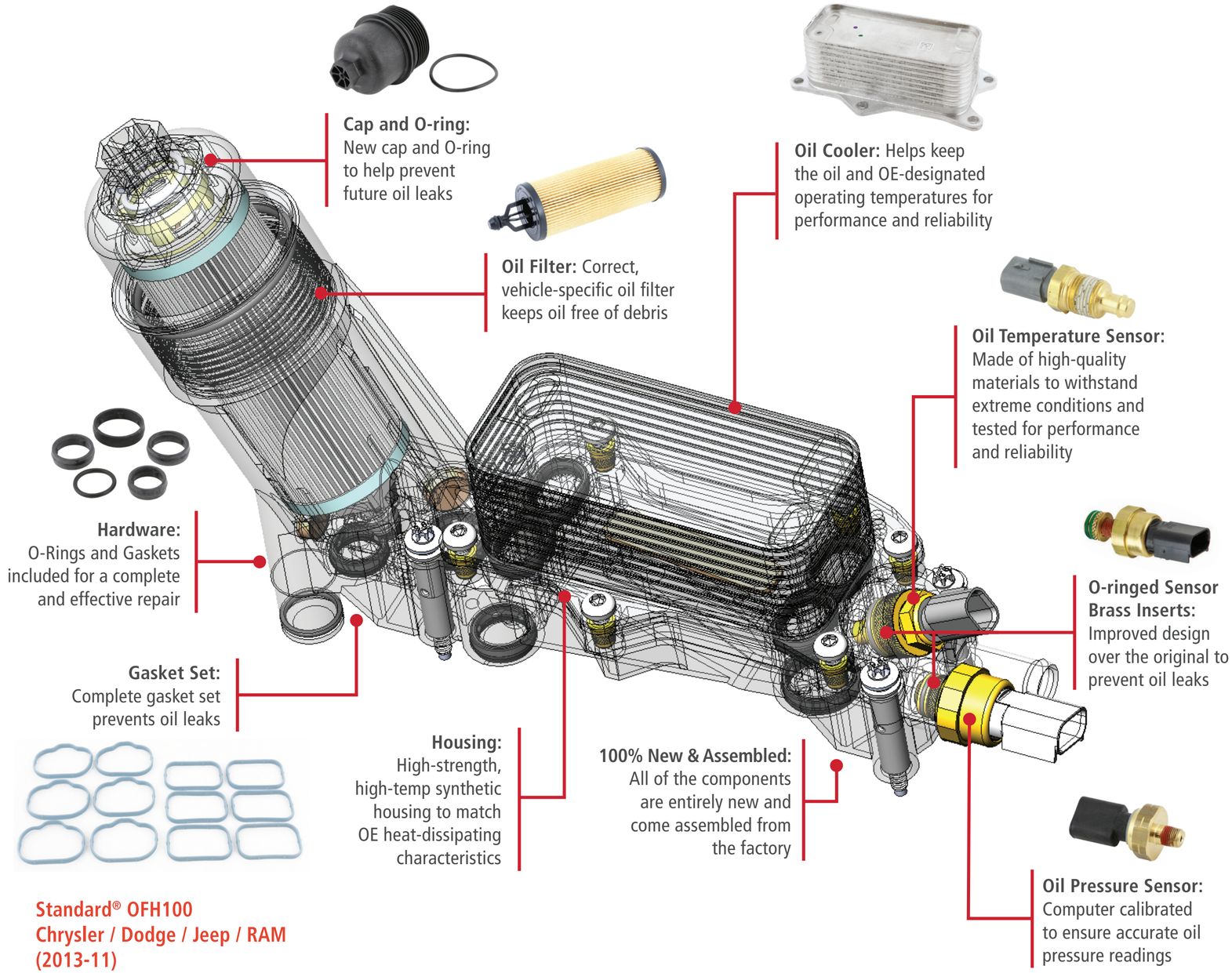
OFH109
Buick / Chevrolet Cars
(2021-11)
VIO: 2.2M



Oil Filter Housing Kits

Factory-Assembled, Complete, Drop-in Solution

The Standard® OFH100 comes completely assembled, so all you have to do is drop it in place. All Standard® Oil Filter Housing Kits include new oil temperature and oil pressure sensors. The oil filter and cap are exact OE-match and come already installed. The Standard® Kit includes all new gaskets and hardware for a clean install – you won't have to reuse any of the old, worn pieces.



Standard® OFH100
Chrysler / Dodge / Jeep / RAM
(2013-11)

Oil Filter Housing Kits

Vehicle-Specific Filters

Standard® Housings are also vehicle specific and designed to use the correct oil filter cataloged for the vehicle. Some competitor oil filter housings are universal, utilizing a single filter part number across multiple model years. Not only can this cause confusion, but the oil filter may not have the flow rate specified by the vehicle manufacturer.

Related Parts

Engine Oil Coolers

In addition to our Oil Filter Housings, we also offer a line of Engine Oil Coolers. Standard® Engine Oil Coolers undergo extensive in-lab and on-vehicle testing to ensure that they match OE cooling characteristics.

For the most current applications, be sure to check out our catalog at StandardBrand.com.

OCK98
VW Cars & SUVs
(2022-14)
VIO: 2.8M

OCK111
Subaru Cars & SUVs
(2022-12)
VIO: 4.2M

OCK109
GM Cars & SUVs
(2022-16)
VIO: 3.5M

Testing and Validation

Standard® Oil Filter Housings and their installed components undergo extensive testing so that you can install them with confidence. Housings are pressure-tested for leaks, and oil pressure sensors and oil temperature sensors are tested for accuracy.

New applications are also tested for fit, performance and durability on real vehicles at our testing center in Irving, Texas.

Lab testing at Standard's Long Island City, NY Headquarters

Standard® Pro Training Tech Tip

As experienced ASE-certified automotive technicians themselves, Standard® Pro Trainers are experts in Oil Filter Housing Kits.

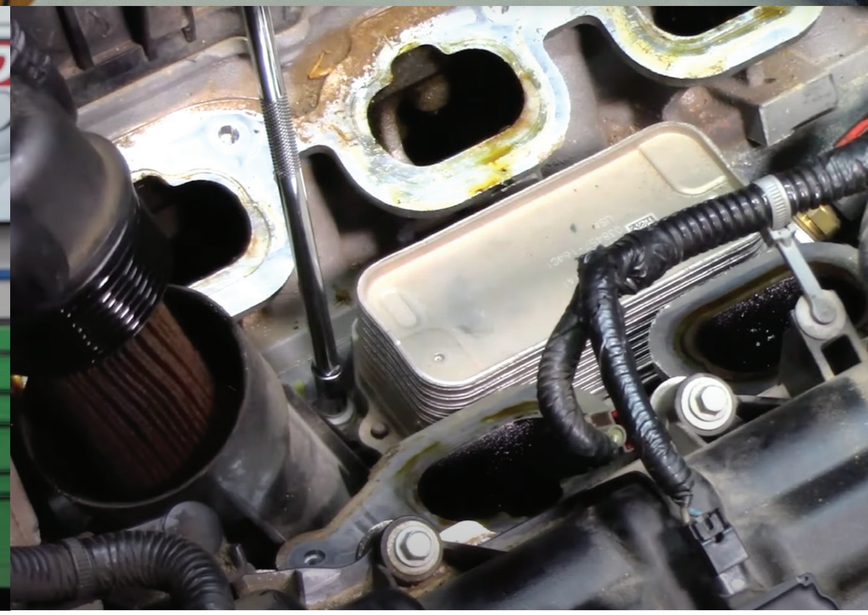
Here's what they say to look out for during an Oil Filter Housing replacement.

It is important to follow the correct torque specs when installing a new housing — Slowly tighten each bolt, alternating corners to make sure all of the seals seat correctly

Before removing the intake manifold to access the oil filter housing, ensure that any dirt and debris are removed from the area, and cover the intake ports with tape to prevent dirt, coolant, or oil from getting into the intake ports — Remove the tape on reassembly

It is common for the seals to be damaged during installation, especially the front seal directly under the filter — It is recommended to use automotive lubricant/ grease on this seal and take extra care when installing the housing

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 600 technical and installation videos.

For information on replacing oil filter housing components, search “Oil Filter Housing” on the **StandardBrand** YouTube channel

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