

ECS TUNING

VW/Audi 2014 + 2.0T/1.8T Gen3 Billet Oil Filter Housing Installation



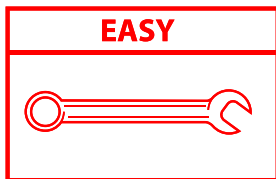
Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

INTRODUCTION

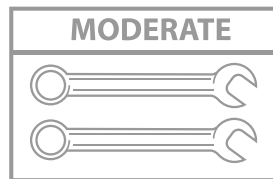
VW/Audi 2.0T/1.8T Billet Oil Filter Housing ES#2785481, ES#2785482 & ES#2785483

ECS Tuning Billet Oil Filter Housings offer the following features:

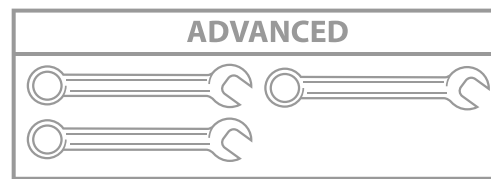
- Machined from a solid block of T6 6061 aluminum to exact specifications
- Easy installation
- Peace of mind knowing that the fragile, dull plastic filter housing has been replaced with a far superior product
- Accepts a factory engine oil filter for easy maintenance
- Serious visual appeal under the hood
- Your choice of finishes - Silver Anodized, Polished or Black Anodized



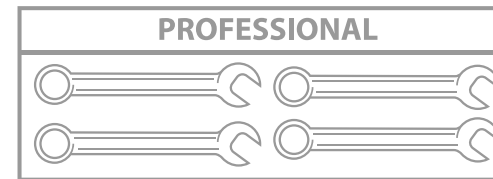
**BASIC SKILLS
REQUIRED**



**SOME EXPERIENCE
RECOMMENDED**



**ADVANCED SKILLS &
EXPERIENCE REQUIRED**



**PROFESSIONAL SKILLS &
SPECIALTY TOOLS REQUIRED**

Replacing the oil filter housing on your VW/Audi 2.0T/1.8T Gen3 is a rewarding project that you will be able to complete as a stand alone project or during a routine oil change. Before you begin, read and familiarize yourself with these instructions and make sure you have all the required tools on hand. Thank you for purchasing an ECS Tuning Billet Oil Filter Housing. We appreciate your business!

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KIT CONTENTS



[ES#2785481](#) - Silver Anodized



[ES#2785482](#) - Polished



[ES#2785483](#) - Black Anodized

REQUIRED TOOLS

Note: The tools required for each step will be listed by the step number throughout these instructions.

- 3/8" Drive Ratchet Available at ecstuning.com [ES#2765902](#)
- 3/8" Drive Torque Wrench Available at ecstuning.com [ES#2221245](#)
- 3/8" Sockets: 32mm Available at ecstuning.com [ES#2730723](#)

SHOP SUPPLIES AND MATERIALS

- Hand Cleaner/Degreaser Available at ecstuning.com [ES#2167336](#)
- Aerosol Brake Cleaner Available at your local auto parts store
- Shop Rags Available at your local auto parts store

INSTALLATION NOTES

- RH refers to the passenger side of the vehicle.
- LH refers to the driver side of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process before you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety. Please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- Always wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- If using an automotive lift, be sure and utilize the factory specified lift points. Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- When lifting a vehicle using a jack, always utilize the factory specified lift points. Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear. Always support the vehicle with jack stands.
- Always read and follow all safety information and warnings for the equipment you are using.



Never get underneath a vehicle that is supported only by a jack. Always make sure that the vehicle is securely supported on jack stands.

REMOVING THE FACTORY HOUSING

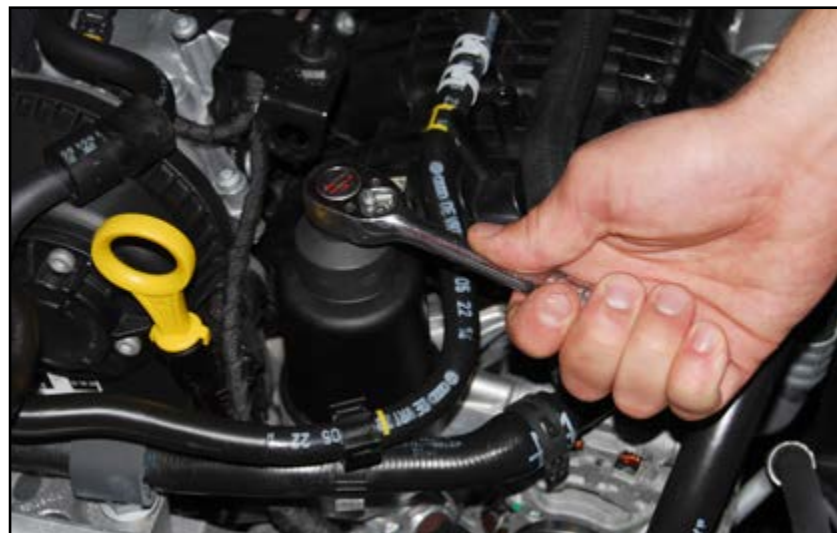
Step 1:

Pull up on the engine cover on both sides to release the rubber grommets that hold it in place. Pull upwards on the left side of the cover and remove it from the vehicle.



Step 2: 3/8" Drive Ratchet, 32mm Socket

Loosen and remove the factory oil filter housing.



REMOVING THE FACTORY HOUSING

Step 3:

Clean any oil from the housing and the area around the filter that may have spilled out during removal.



Step 4:

Remove the oil filter from the engine.



REMOVING THE FACTORY HOUSING

Step 5:

The original oil filter housing utilizes a filter support with an integrated spring-loaded bypass valve, which needs to be transferred to the new billet oil filter housing. To remove this assembly, pull it firmly to one side as shown in the picture, and move it back and forth until it releases from the securing tabs at the bottom of the housing.

CAUTION

Do not pull on the long guide rod that extends from the filter support



Step 6:

Once the assembly has been released, pull it out of the filter housing.

NOTE

If the bypass valve becomes separated from the filter support, see [pg.14](#) for re-assembly instructions.



INSTALLING THE NEW HOUSING

Step 1:

Lubricate the new housing o-ring with clean motor oil. (A new seal is included with a new filter)



Step 2:

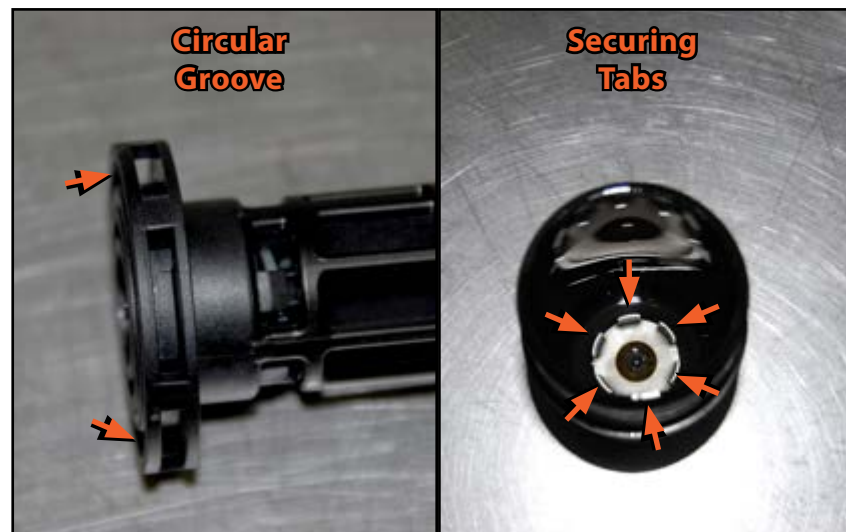
Install the o-ring into the groove in the new billet housing, as shown. Be sure the o-ring is completely seated in the groove all the way around the housing.



INSTALLING THE NEW HOUSING

Step 3:

Align the circular groove at the base of the filter support with the securing tabs at the base of the filter housing.



Step 4:

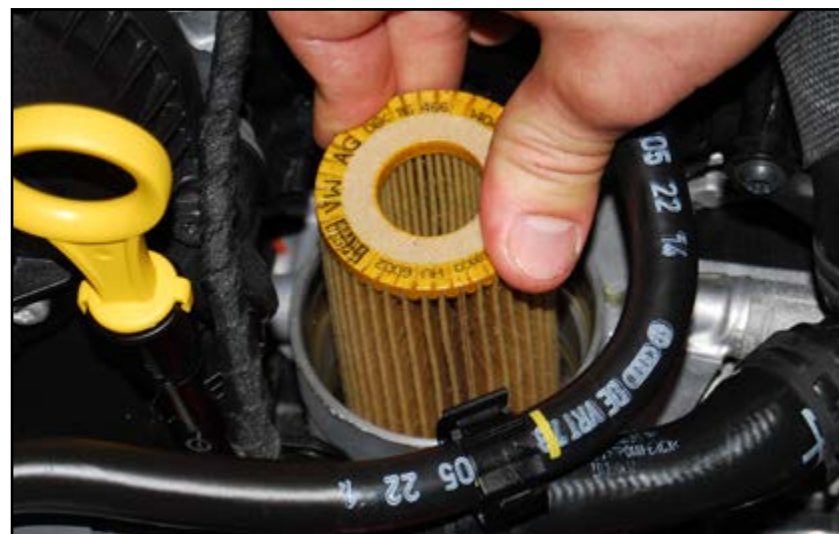
Press the filter support firmly into the housing until it is fully seated. This is a press fit and you will feel it "bottom out", rather than snap into place.



INSTALLING THE NEW HOUSING

Step 5:

Install the new oil filter into the engine.



Step 6:

Install the new ECS billet aluminum housing into location, sliding the guide rod and filter support in through the filter.



INSTALLING THE NEW HOUSING

Step 7:

Thread the filter housing all the way in until it is fully seated, use caution to prevent cross threading the housing.



Step 8: 3/8" Drive Torque Wrench, 32mm Socket

Torque the oil filter housing to 24 Nm (18 ft-lbs).



INSTALLING THE NEW HOUSING

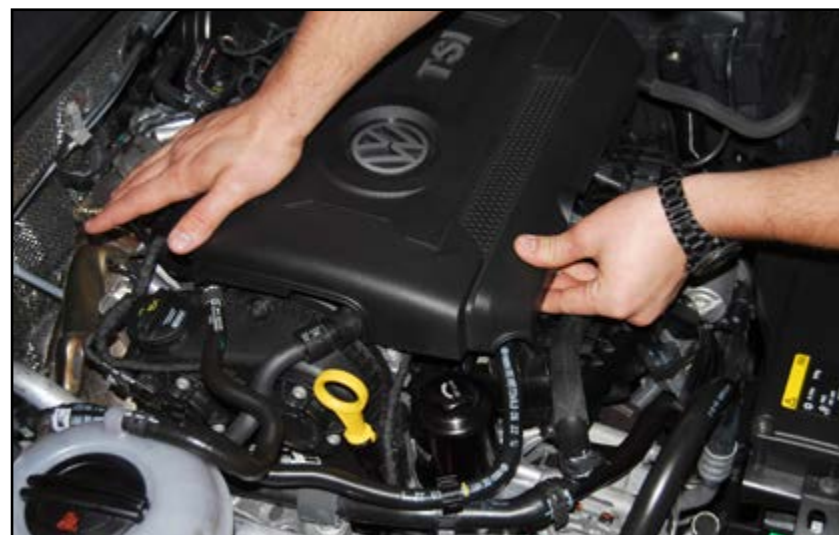
Step 9:

Line the engine cover up with its mounting locations and press gently on one side.



Step 10:

Press the engine cover down on the other side, fully securing the engine cover in place.



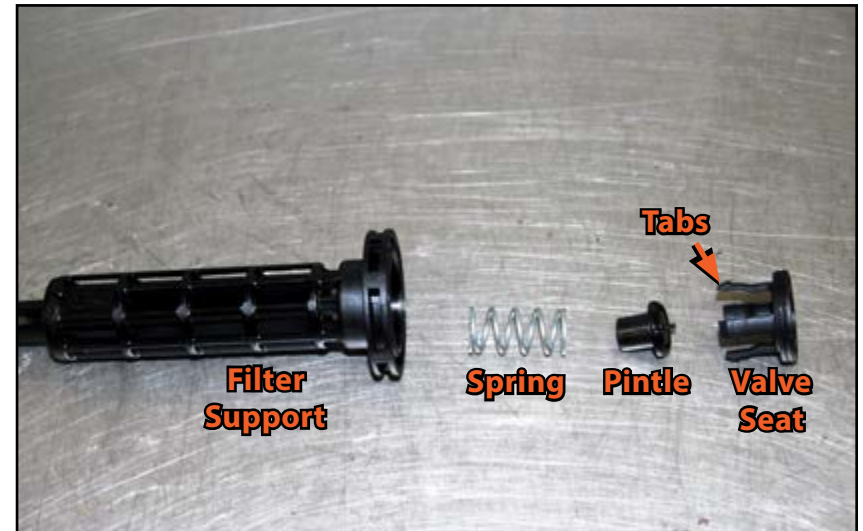
NOTE

Once the installation is complete, make sure to check your engine oil level - some oil may be lost during this installation.

BYPASS VALVE RE-ASSEMBLY

Step 1:

The bypass valve is attached to the filter support with 4 plastic tabs, and it may separate from the assembly during the removal process. If this happens, it can easily be re-assembled and snapped back into place. Begin by arranging all of the parts in order as shown in the picture.



Step 2:

Place the pintle onto the spring.



BYPASS VALVE RE-ASSEMBLY

Step 3:

Insert the spring and pintle into the valve seat as shown.



Step 4:

Insert the valve seat, pintle and spring into the filter support, making sure the spring is aligned with the spring seat in the center. Then, while aligning the tabs with the open slots, push on the valve seat until it snaps into place.



Your ECS Tuning Billet Aluminum Oil Filter Housing installation is complete!



These instructions are provided as a courtesy by ECS Tuning.

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