



**Volkswagen MK7 & Audi 8V A3/S3  
Luft-Technik Intake System w/o Heat Shield  
Installation Guide - [Click HERE to Shop](#)**



**Skill Level 1**  
**- Easy -**  
**Basic Skills**  
**Required**



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

### Our Luft-Technik intake system w/o heat shield offers the following features:

- CNC bent aluminum pipes available in a wrinkle black powder coat finish
- Open-element design
- In-house designed by ECS Tuning Engineers
- 4-Ply silicone couplers
- High flow cotton gauze air filter
- All mounting hardware included
- Easy installation

Take your time and enjoy the project, it should take you an hour or less. Read all of these instructions first and you should be able to breeze right through the install, and there's even a DIY video which can be found by clicking [HERE](#). Be sure to reference the list of required tools below before you begin to make sure you have everything that you need to finish the job.

Thank you for looking to ECS Tuning for all your performance and repair needs, we appreciate your business!

- **1/4" Drive Ratchet, Sockets, & Extensions** ..... [ES#2823235](#)
- **Plier and Cutter Set**..... [ES#2804496](#)
- **Flat and Phillips Screwdrivers** ..... [ES#2225921](#)
- **Torx Drivers and Sockets** ..... [ES#11417/8](#)
- **Locking Hose Clamp Pliers**..... [ES#2702616](#)

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## RELATED UPGRADES

These upgrades are the perfect compliment to your new ECS Tuning intake system!



**MK7 ECS Big Bore Turbo Inlet Pipe:**  
[ES#3604024](#)



**MK7 ECS Turbo Muffler Delete:**  
[ES#3162698](#)



**MK7 ECS Charge Pipe Kit:**  
Click [HERE](#) to see all available finishes



**KIT CONTENTS**



MK7 Intake Tube  
(QTY 1)



Air Filter w/Clamp  
(QTY 1)



M6x50mm Bolt  
(QTY 1)



M6 Lock Washer  
(QTY 1)



Carbon Fiber Turbo Inlet\*  
(QTY 1)



Silicone Turbo Inlet Hose  
(QTY 1)



Secondary Air Filter Adapter Kit\*  
(QTY 1)

\*Your kit will include **ONE** of these

\*Available separately



## 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.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and 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.

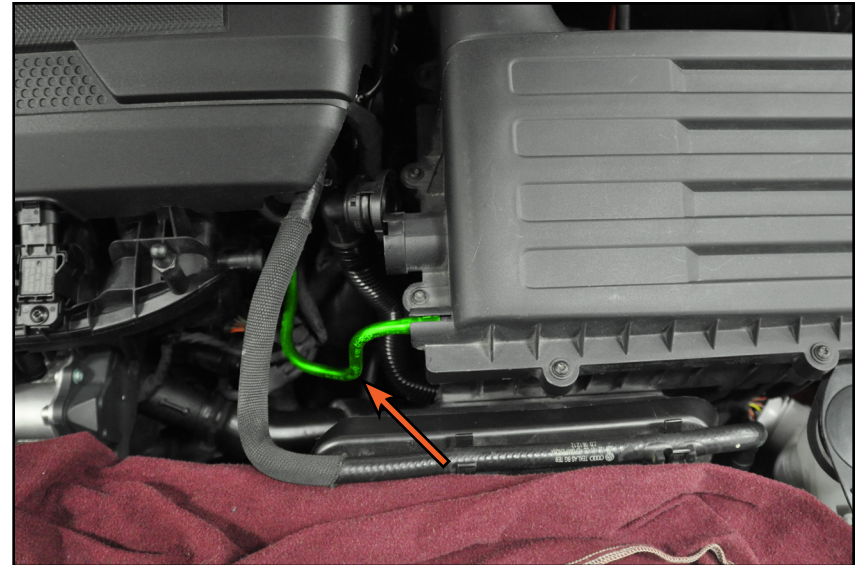


**NEVER** get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

## REMOVING THE STOCK INTAKE SYSTEM

### Step 1:

Carefully pull the vacuum hose off the side of the air box.

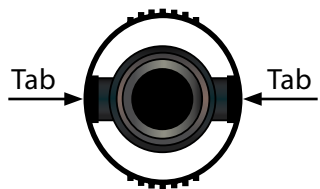


### Step 2:

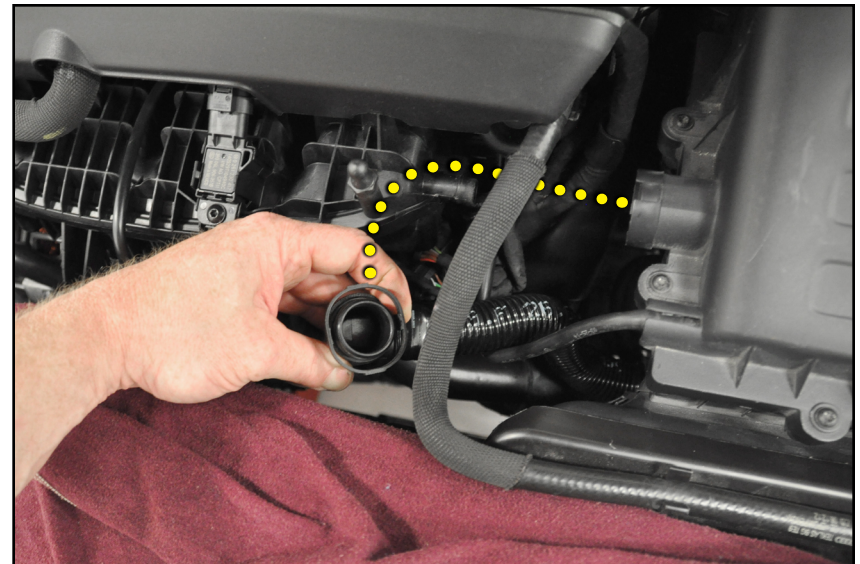
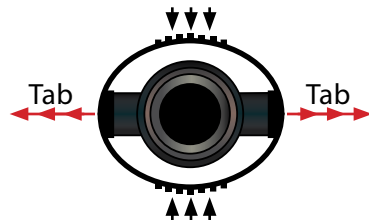
Some vehicles will have a secondary air injection tube connected to the side of the air box. If your vehicle is equipped with this system, disconnect the hose at this time as described below.

**NORMAL INSTALLED STATE:**

The tabs keep the hose "locked" onto the fitting.



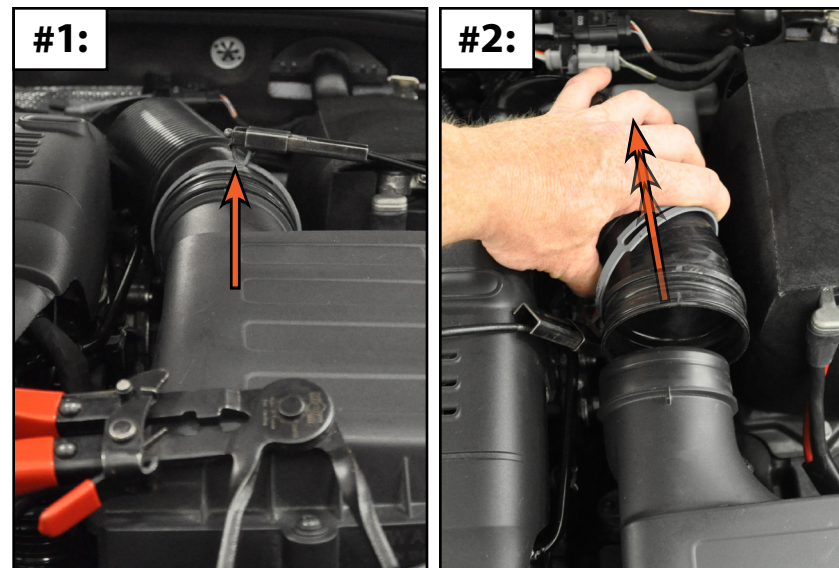
**TO REMOVE:** Squeeze the knurled sides of the locking ring together and the tabs will expand out and unlock, allowing you to pull the connector off of the air box.



## REMOVING THE STOCK INTAKE SYSTEM

### Step 3: Locking Hose Clamp Pliers

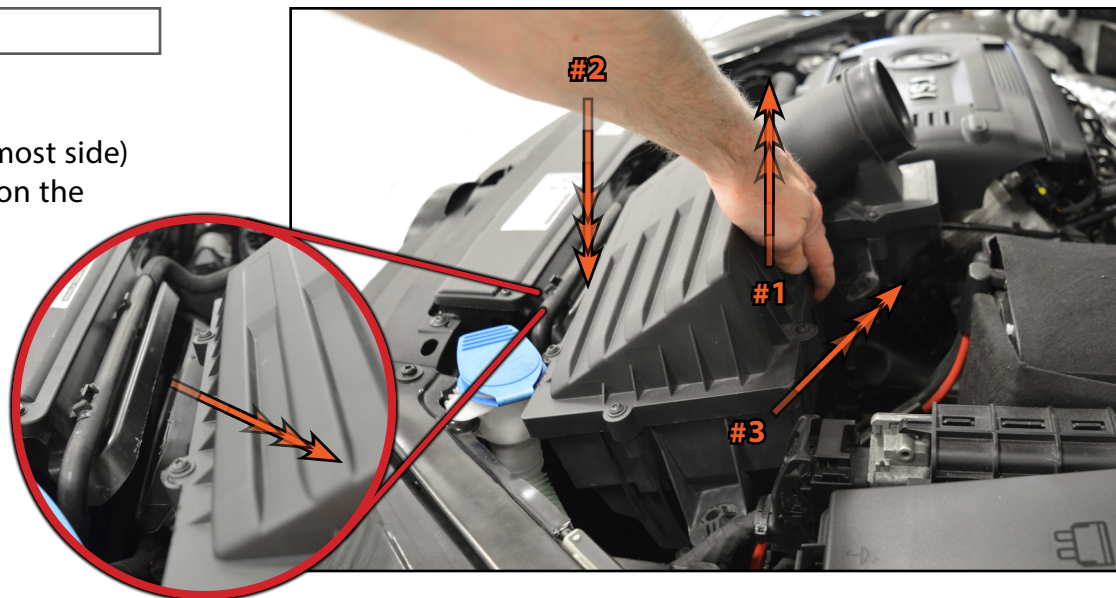
You'll have to remove the air box, so begin by loosening the spring clamp between the air box and the intake tube (**ORANGE** arrow in **Photo #1**), then pull the intake tube off of the air box (**Photo #2**).



### Step 4:

Remove the air box in the following order:

1. Pull up on intake tube side of the air box (the rearmost side) to release the mounting grommets. Do not lift up on the front side of the air box yet.
2. Push downward on the front edge of the air box to release it from the air scoop on the core support (see **RED** inset photo).
3. Lift the air box rearward and out of the engine bay.

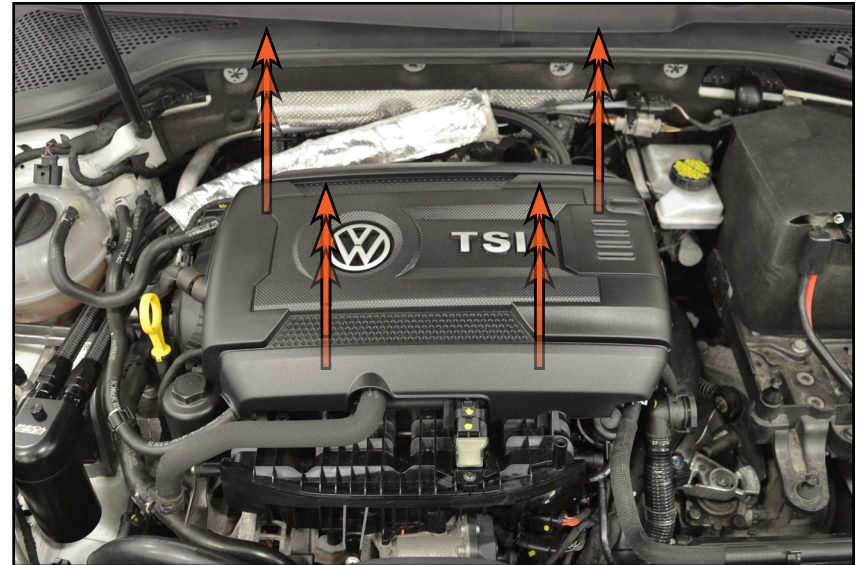




## REMOVING THE STOCK INTAKE SYSTEM

### Step 5:

Remove the engine cover by pulling upward on the four corners.



### Step 6: Flat Blade Screwdriver

Release the clamp which secures the intake tube to the turbo inlet, then remove the intake tube.



If your vehicle is equipped w/SAI you will need to skip ahead to [Page 12](#) **before** installing the intake system.



# INSTALLING THE NEW INTAKE SYSTEM

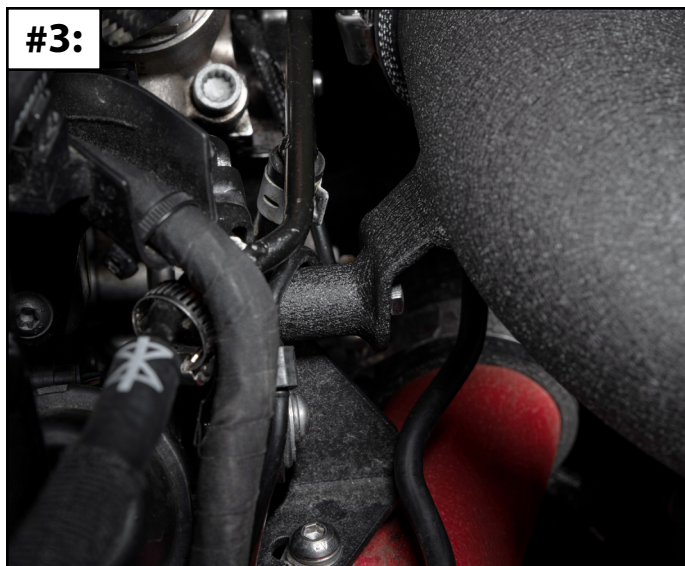
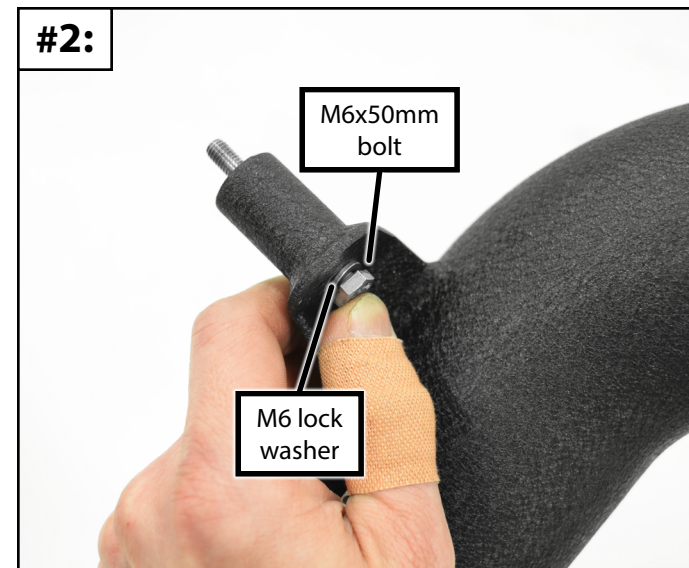
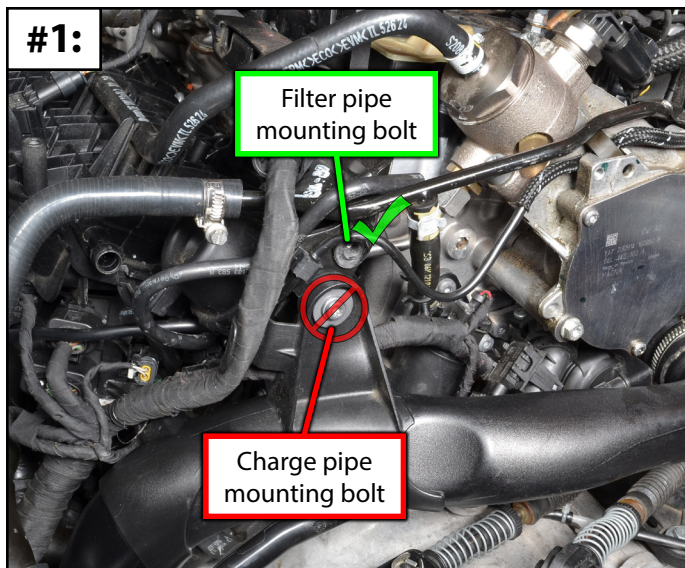
## Step 1:

Identify the bolt hole location on the side of the cylinder head (**Photo #1**), just above the bolt location for the charge pipe.

Slide the provided M6x50mm bolt and M6 lock washer through the mounting hole in the intake tube (**Photo #2**).

Loosely install the intake tube into position (**Photo #3**). It's best to thread this bolt in by hand to avoid cross-threading it. Removing the battery is very helpful here as it gives you a lot more room to work.

Connect the vacuum hose (highlighted in **GREEN** in **Photo #4**) which was connected to the stock air box onto the port on the bottom of the intake tube.





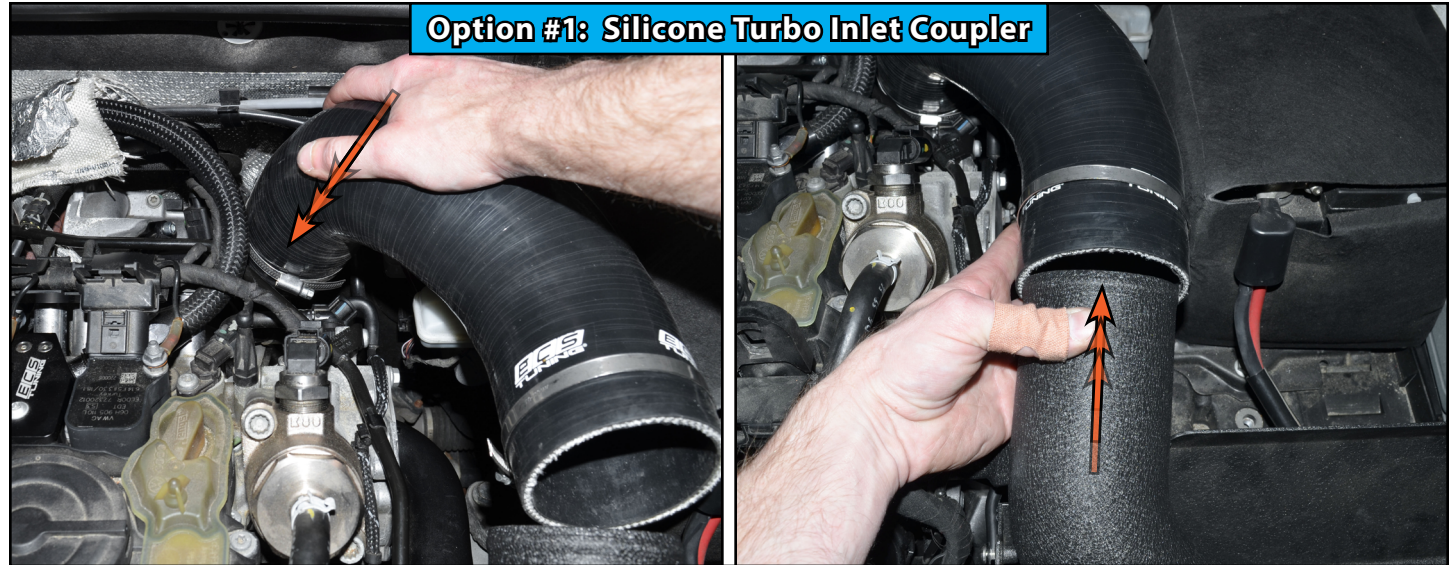
# INSTALLING THE NEW INTAKE SYSTEM

## Step 4:

There are two different turbo inlet options for our MK7 intake system, each one installs in a similar fashion:

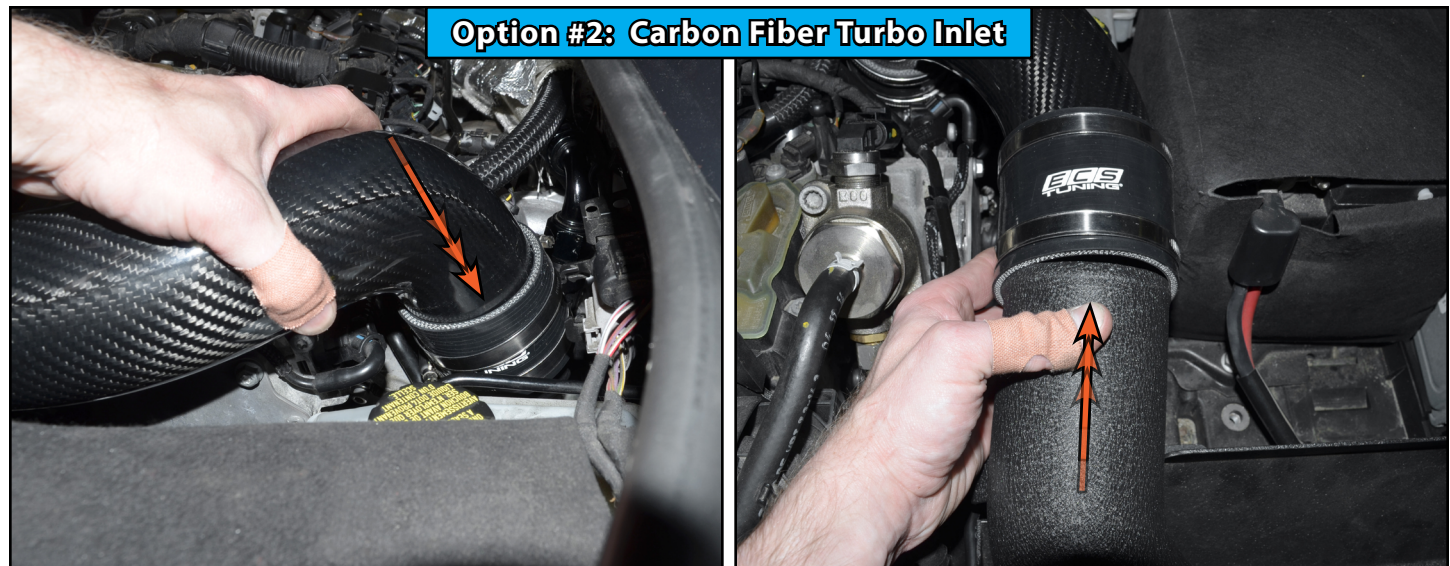
### Silicone Turbo Inlet Coupler:

- Connect the silicone turbo inlet coupler between the intake tube and the turbo inlet. Adjust the system until you are satisfied with the fitment then, tighten the clamps.



### Carbon Fiber Turbo Inlet:

- Use the provided silicone couplers and clamps to connect the carbon fiber turbo inlet between the intake tube and the turbo inlet. Adjust the system until you are satisfied with the fitment then, tighten the clamps.





## INSTALLING THE NEW INTAKE SYSTEM

### Step 3: 8mm Socket & Ratchet

Push the air filter over the end of the intake pipe and tighten the clamp until snug.



***Your intake system installation is complete!***

## INSTALLING THE SECONDARY AIR FILTER ADAPTER KIT

\*The mounting grommet which is included in this kit will not be used, only the spacer is required for this application.

These components are available for purchase separately if your vehicle is equipped with Secondary Air Injection (SAI). The kit can be found on our website by clicking [HERE](#), or you can enter your vehicle information into the drop-down menu on [ecstuning.com](#), then select:

- **Engine > Intake > Performance > ECS > Accessories**



SAI Air Filter w/Clamp



SAI Air Filter Adapter



SAI Air Filter Bracket



Rubber Spacer & Mounting Grommet\*

### Step 1: Flat Blade Screwdriver - or - 7mm Socket & Ratchet

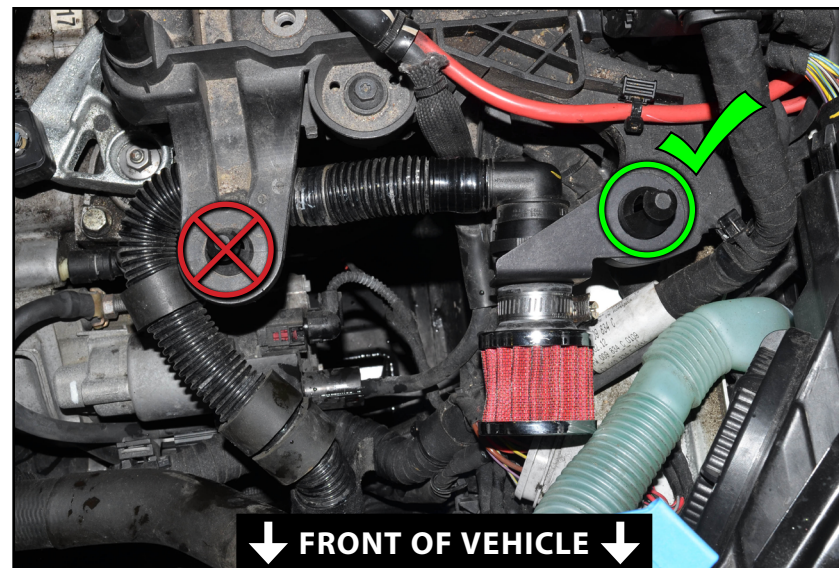
Remove from the secondary air injection kit from its packaging, and tighten the hose clamp which secures the filter until it is snug.



## INSTALLING THE SECONDARY AIR FILTER ADAPTER KIT

### Step 2:

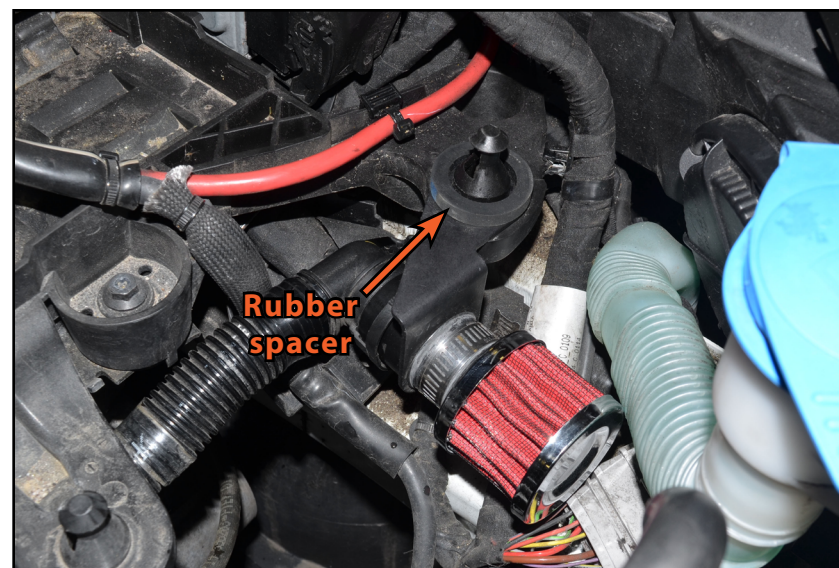
Place the secondary air intake assembly onto the outermost air box mounting stud (the stud which is nearest to the fender) so the filter and adapter hang down below the mounting stud.



### Step 3:

Route the original secondary air intake tube over to the adapter and connect the two together. Rotate the filter assembly as necessary so the secondary air intake tube does not kink or bind.

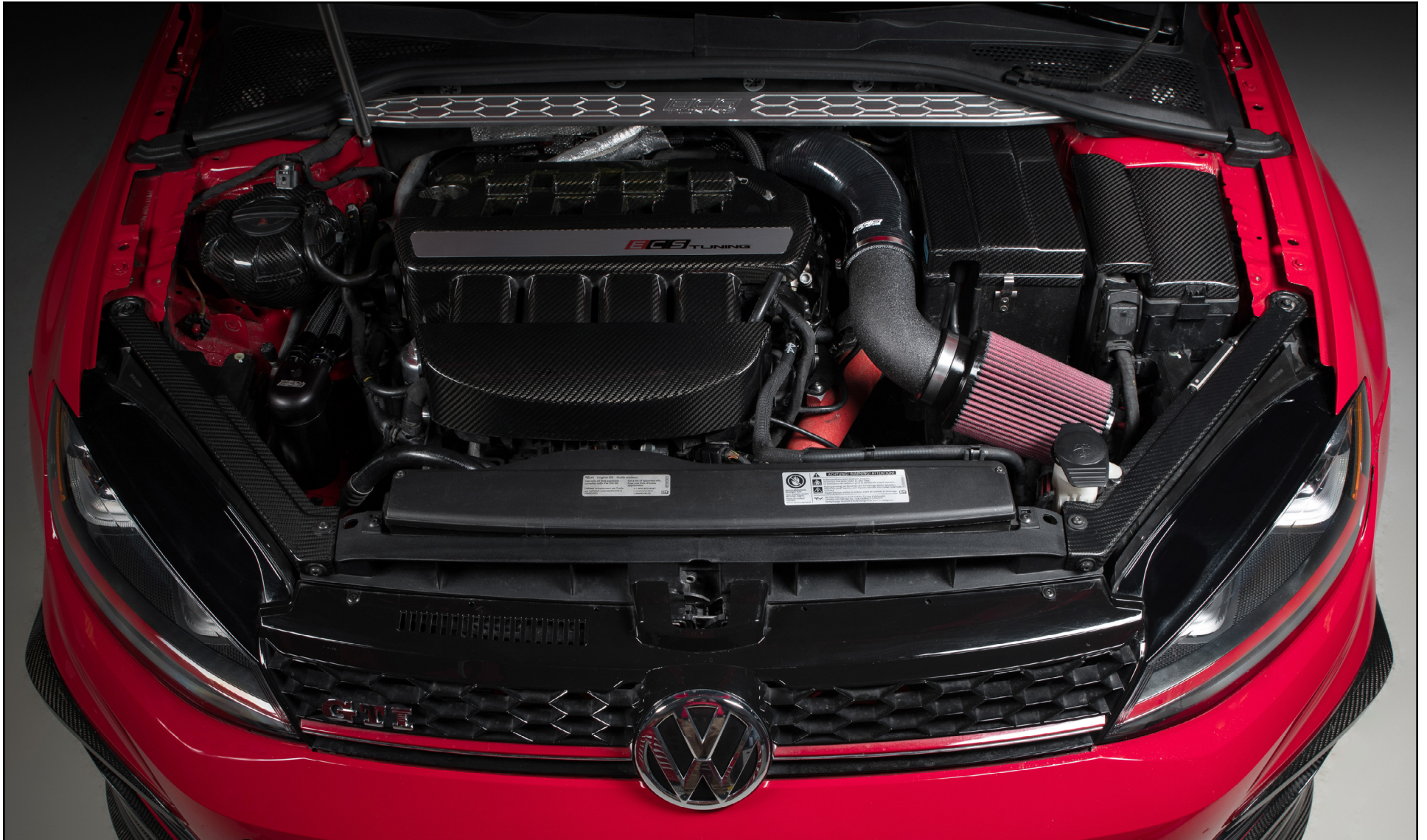
Allow the assembly to hang in place for now, when you install the carbon fiber air box the innermost air box mounting grommet will hold the secondary air intake securely in place. As you can see in the photo, the secondary air intake is almost completely hidden underneath the heat shield.



Click [HERE](#) to jump back to the intake system installation.



**Your intake system installation is complete!**



**These instructions are provided as a courtesy by ECS Tuning**

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