



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.

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## KIT CONTENTS



Carbon Fiber Lid  
(QTY 1)



Air Box  
(QTY 1)



Intake Pipe  
(QTY 1)



Filter Coupler  
(QTY 1)



Turbo Inlet Coupler  
(QTY 1)



Air Filter  
(QTY 1)



Filter Adapter  
(QTY 1)



Air Box Support  
(QTY 1)



Air Box Grommets  
(QTY 3)



Hardware  
(QTY 1)



## REQUIRED TOOLS

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

### Standard Automotive Tools

- Protecta-Sockets (for lug nuts).....[ES#2221243](#)
- 3/8" Drive Ratchet.....[ES#2765902](#)
- 3/8" Drive Torque Wrench.....[ES#2221245](#)
- 3/8" Drive Deep and Shallow Sockets.....[ES#2763772](#)
- 3/8" Drive Extensions .....[ES#2804822](#)
- Hydraulic Floor Jack .....[ES#2834951](#)
- **Torx Drivers and Sockets** .....[ES#11417/8](#)
- 1/2" Drive Deep and Shallow Sockets.....[ES#2839106](#)
- 1/2" Drive Ratchet
- 1/2" Drive Extensions
- 1/2" Drive Torque Wrench.....[ES#2221244](#)
- 1/2" Drive Breaker Bar .....[ES#2776653](#)
- Bench Mounted Vise
- Crows Foot Wrenches
- Hook and Pick Tool Set .....[ES#2778980](#)

### Required For This Install

### Available On Our Website

- **1/4" Drive Ratchet**.....[ES#2823235](#)
- **1/4" Drive Deep and Shallow Sockets**.....[ES#2823235](#)
- **1/4" Drive Extensions**.....[ES#2823235](#)
- Plier and Cutter Set.....[ES#2804496](#)
- Flat and Phillips Screwdrivers .....[ES#2225921](#)
- Jack Stands.....[ES#2763355](#)
- Ball Pein Hammers
- Pry Bar Set.....[ES#1899378](#)
- Electric/Cordless Drill
- Wire Strippers/Crimpers
- Drill Bits
- Punch and Chisel Set
- **Hex Bit (Allen) Wrenches and Sockets** .....[ES#11420](#)
- Thread Repair Tools .....[ES#1306824](#)
- **Open/Boxed End Wrench Set**.....[ES#2765907](#)

### Specialty Tools

- Locking Hose Clamp Pliers**.....[ES#2702616](#)

## 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

### Step 1:

Remove the engine cover by pulling upward on the four corners to pop it free from the mounting grommets.



### Step 2: T25 Torx

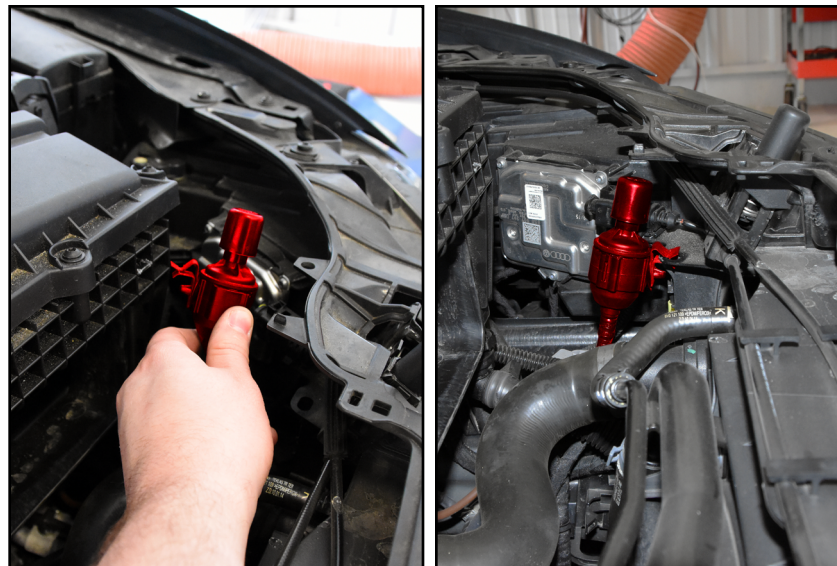
Remove the two screws (arrows) which secure the inlet scoop to the core support.



## REMOVING THE STOCK INTAKE

### Step 3:

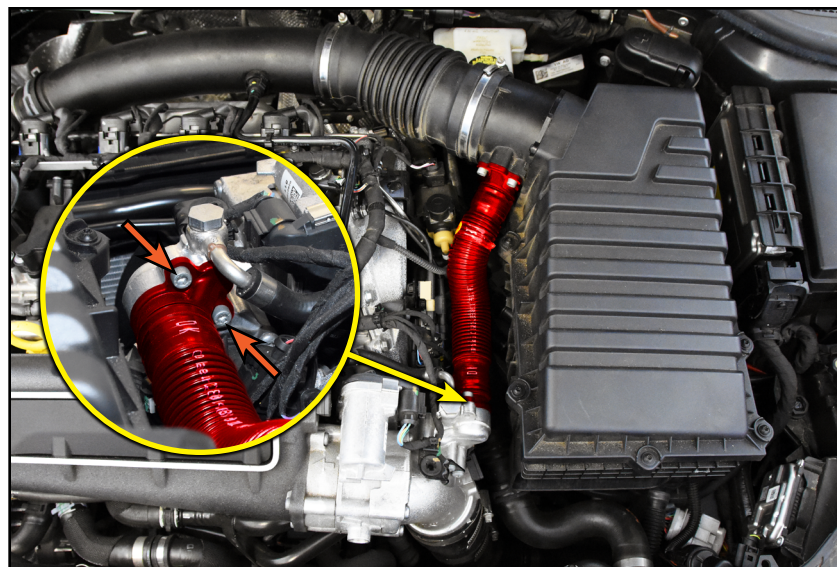
Pull the DSG vent (highlighted in **RED**) off of the air box and clip it onto the core support as shown.



### Step 4: Hose Clamp Pliers -OR- 5mm Hex (Allen)

**2018 Models:** Compress the hose clamp which secures the hose (highlighted in **RED**) to the diverter valve then pull it free.

**2019+ Models:** Remove the two screws (arrows in inset photo) which secures the hose (highlighted in **RED**) to the diverter valve then pull it free. Set the bolts aside, we will be reusing them later.

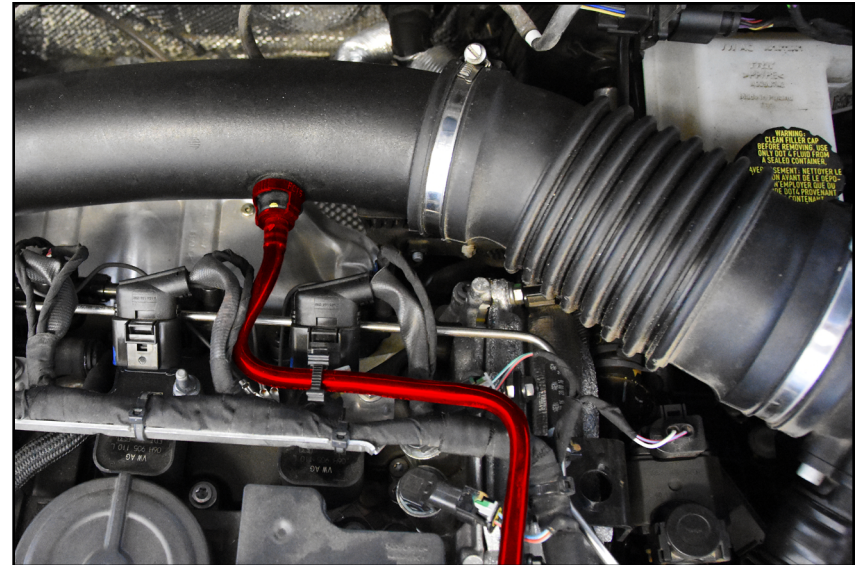




## REMOVING THE STOCK INTAKE

### Step 5:

Depress the two locking tabs and pull the vent hose (highlighted in **RED**) off the flange on the intake pipe.



### Step 6: T30 Torx

Remove the bolt (arrow) which secures the intake pipe to the back of the engine.



The head of the bolt faces towards the firewall and can be a bit tricky to remove. Take care not to accidentally drop the bolt, we will be reusing it later.



## REMOVING THE STOCK INTAKE

### Step 7: Hose Clamp Pliers

Compress the hose clamp (highlighted in **RED**) which secures the intake pipe to the turbo inlet, then pull the pipe free.

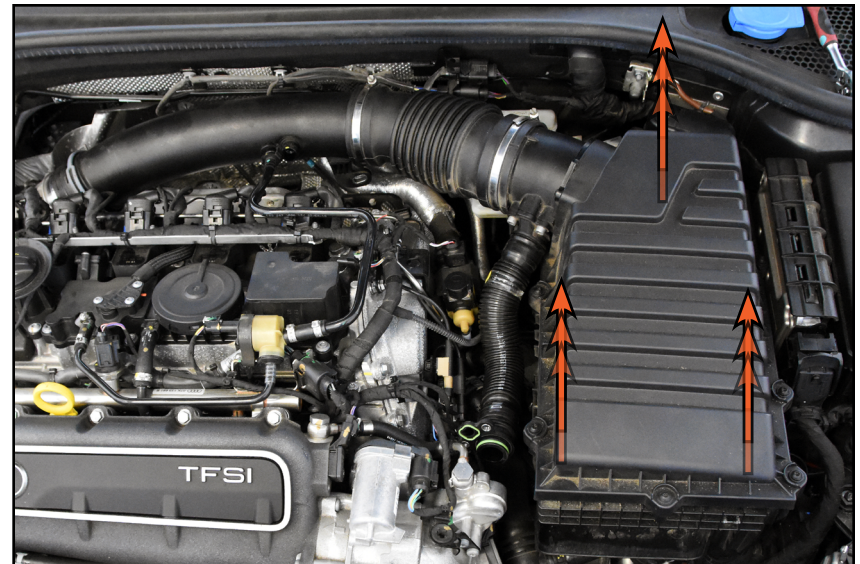


### Step 8:

Lift up on the air box to pop it free from its mounting grommets, then carefully guide the entire intake system free from the vehicle.



**2018 Models:** Skip to [page 10](#) to begin your intake system installation.





## INSTALLING THE NEW INTAKE SYSTEM

### Step 1:

If you purchased the kit for 2019+ models, your kit will include a diverter valve adapter. Ensure that the two o-rings (arrows) are properly seated in the adapter before proceeding with installation.



### Step 2: 5mm Hex (Allen)

Install the diverter valve adapter using the screws we removed earlier. Be careful not to lose the small o-ring.



## INSTALLING THE NEW INTAKE SYSTEM

### Step 3: 4mm Hex (Allen)

Install the provided support (highlighted in **GREEN**) into the side of the air box using two of the provided M6 x 14mm screws and washers.



### Step 4:

Install the three provided grommets (highlighted in **GREEN**) into the underside of the air box as shown.





## INSTALLING THE NEW INTAKE SYSTEM

### Step 5: 4mm Hex (Allen)

Install the filter adapter into the opening on the air box using the three provided M6 x 10mm screws and washers.



### Step 6:

Install the air box into the vehicle by lining up the grommets with the mounting posts to and pushing down to pop them into place.



## INSTALLING THE NEW INTAKE SYSTEM

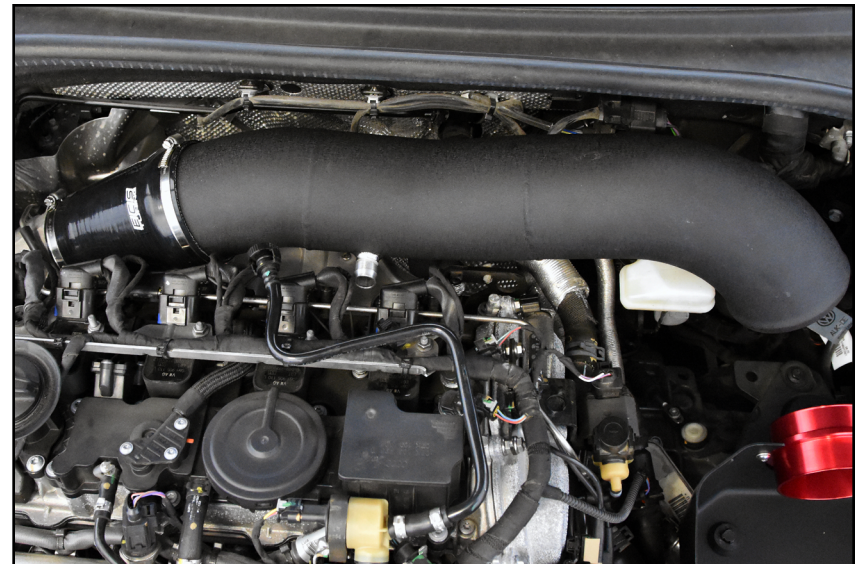
### Step 7:

Ensure the clamps are properly installed onto the turbo inlet coupler as shown, then install it onto the turbo inlet, leaving the clamp loose enough to allow for adjustment.



### Step 8:

Slide the intake pipe into the turbo inlet coupler, leaving the clamp loose enough to allow for adjustment.



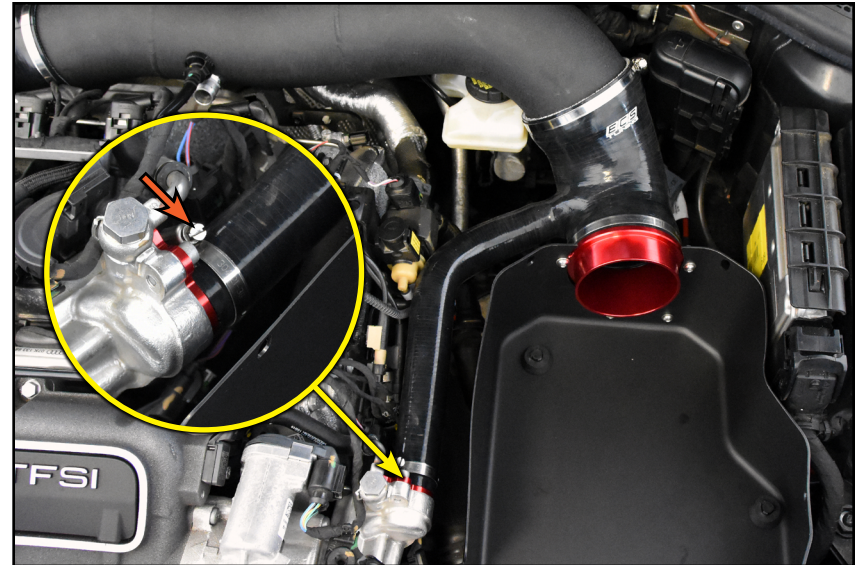


## INSTALLING THE NEW INTAKE SYSTEM

### Step 9: 8mm Socket & Ratchet -OR- Flat Head Screwdriver

Ensure the clamps are properly installed onto the filter coupler as shown, then install it between the intake pipe and filter adapter, leaving the clamps loose enough to allow for adjustment.

Install the silicone hose onto the diverter valve flange using the provided 19-38mm clamp (arrow in inset photo).



### Step 10: 8mm Socket & Ratchet -OR- Flat Head Screwdriver

Adjust the intake pipe and couplers until you are satisfied with fitment then fully tighten all of the clamps.

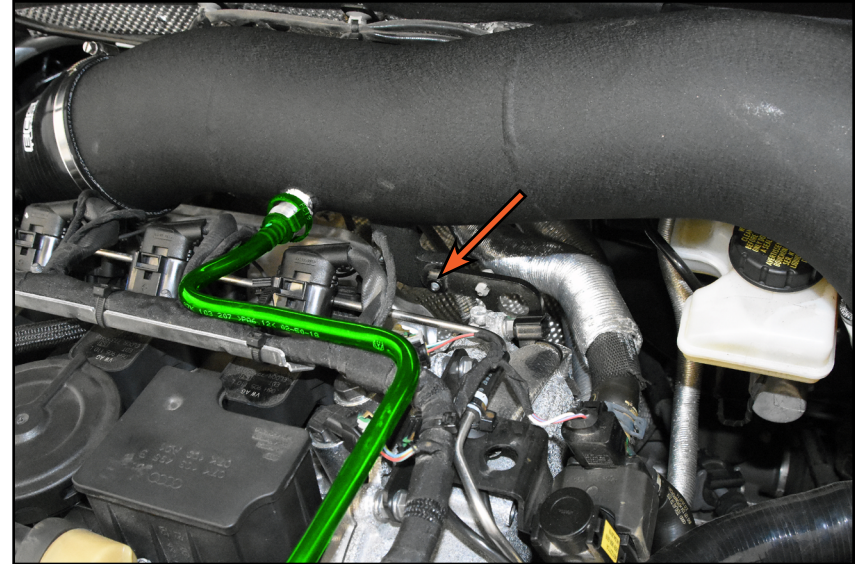




## INSTALLING THE NEW INTAKE SYSTEM

### Step 11: T30 Torx

Install the vent hose (highlighted in **GREEN**) onto the flange on the new intake pipe as shown, then install the bolt (arrow) to secure the intake pipe to the engine.



### Step 12: 8mm Socket & Ratchet -OR- Flat Head Screwdriver

Slide the air filter onto the end of the intake pipe and tighten the clamp (arrow) until snug to secure it in place.



## INSTALLING THE NEW INTAKE SYSTEM

### Step 13: 4mm Hex (Allen)

Carefully guide the carbon fiber lid into place and install four of the provided M6 x 14mm screws and washers (arrows) to secure the lid to the air box.



### Step 14: 4mm Hex (Allen)

Install the last two M6 x 14mm screws and washers (arrows) to secure the carbon fiber lid to the core support.





## INSTALLING THE NEW INTAKE SYSTEM

### Step 15:

Reinstall the engine cover by lining the mounting posts up with the grommets and pushing down to pop it into place.



### Step 16:

Carefully remove any smudges, residue, or fingerprints from the carbon fiber using a clean microfiber cloth and quick detailing spray.

To help keep your intake system looking like new, we highly recommend investing in a carbon fiber cleaning and care kit ([ES2914954](#)). Each kit includes everything you need to maintain the gloss coat to prevent fading and clouding, ensuring that your intake keeps looking sharp for years to come.

***Congratulations, your installation is complete!***





## SCHWABEN - BUILD THE ULTIMATE TOOL COLLECTION

At ECS Tuning, we carry a line of high quality Schwaben Tools and Equipment to help you build your ultimate tool collection. Never before has affordability and quality been so closely related. Our entire Schwaben line is subjected to strict in house testing for strength and durability. See what we have to offer and equip your garage without breaking the bank.

## Your Kohlefaser Luft-Technik Intake System installation is complete!



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

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