



Audi 8Y RS3 Luft-Technik Intake System Installation Instructions - [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.

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

- **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](#)

Available On Our Website

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.

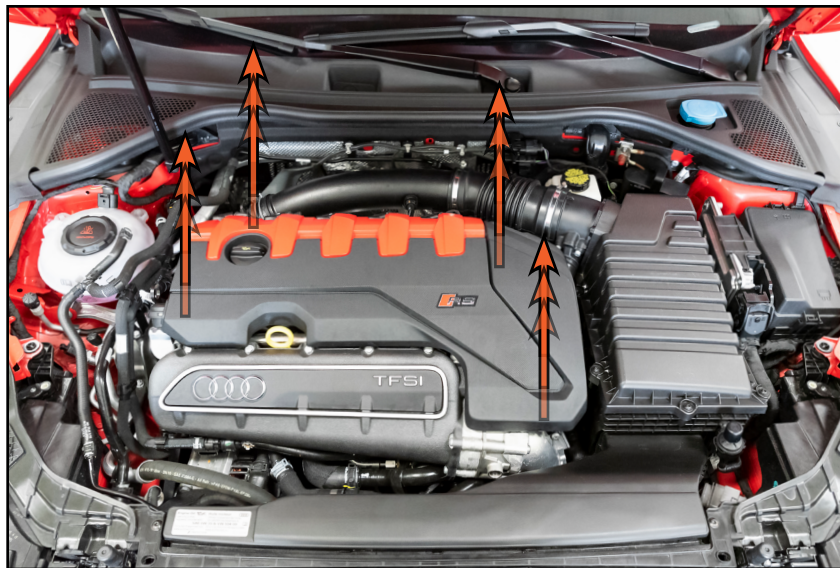


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

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 Socket & Ratchet

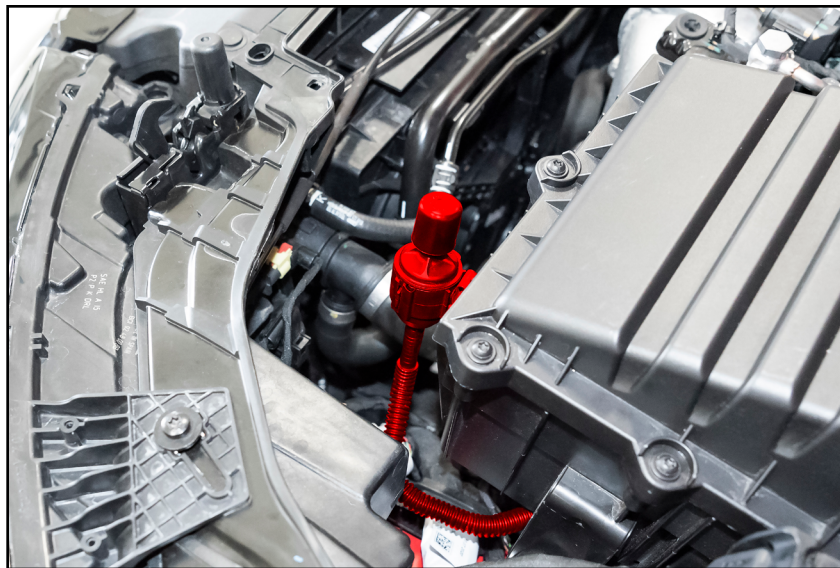
Remove the two screws (arrows) that secure the inlet scoop to the core support, then remove the inlet scoop from the airbox.



REMOVING THE STOCK INTAKE

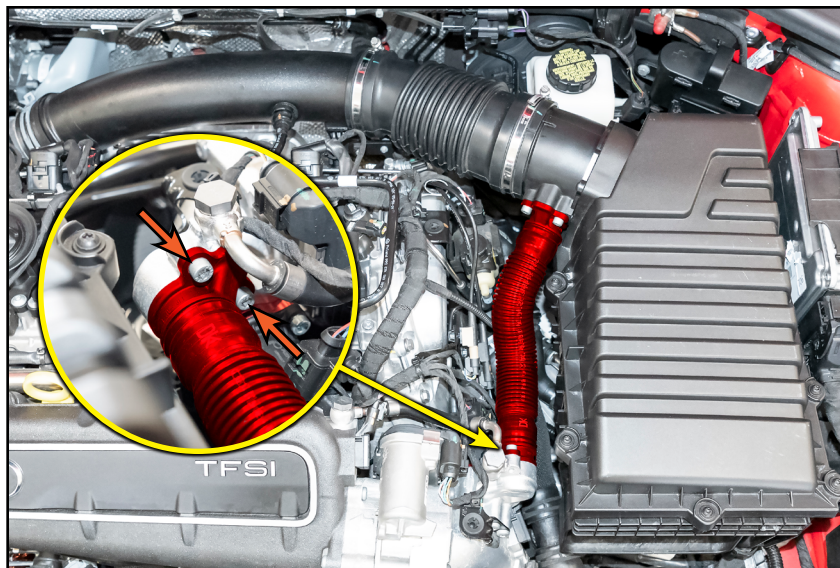
Step 3:

Pull the DSG vent (highlighted in **RED**) off of the airbox and move it out of the way.



Step 4: 5mm Hex (Allen) Socket & Ratchet

Remove the two screws (arrows in inset photo) that secure the diverter valve hose (highlighted in **RED**), then pull it free. Set the screws 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 Socket & Ratchet

Remove the bolt (arrow) that secures the intake pipe to the bracket at 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

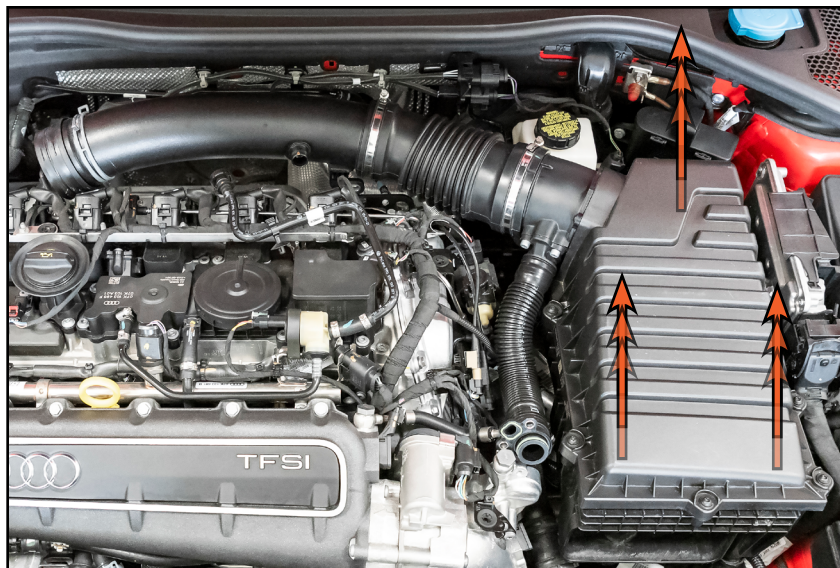
Step 7: Hose Clamp Pliers

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



Step 8:

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



INSTALLING THE NEW INTAKE SYSTEM

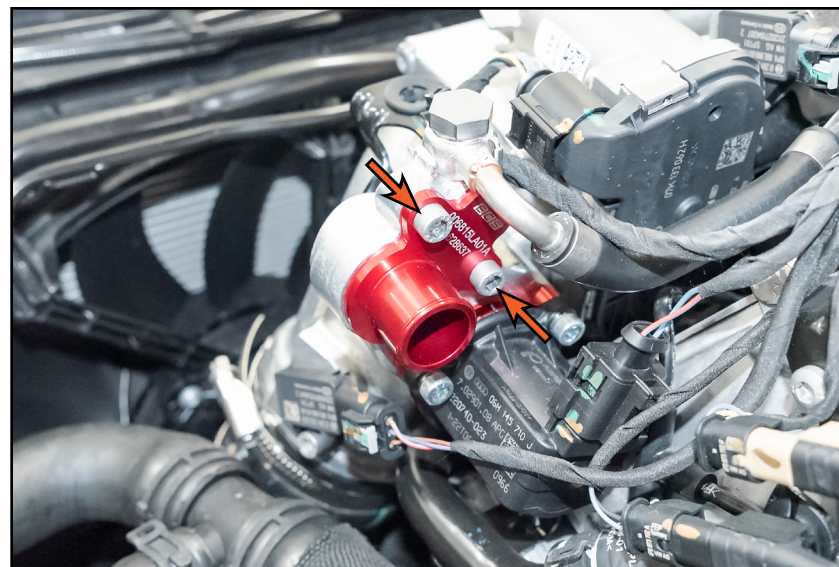
Step 1:

Ensure that the two o-rings (arrows) are properly seated in the provided diverter valve adapter before proceeding with installation.



Step 2: 5mm Hex (Allen) Socket & Torque Wrench

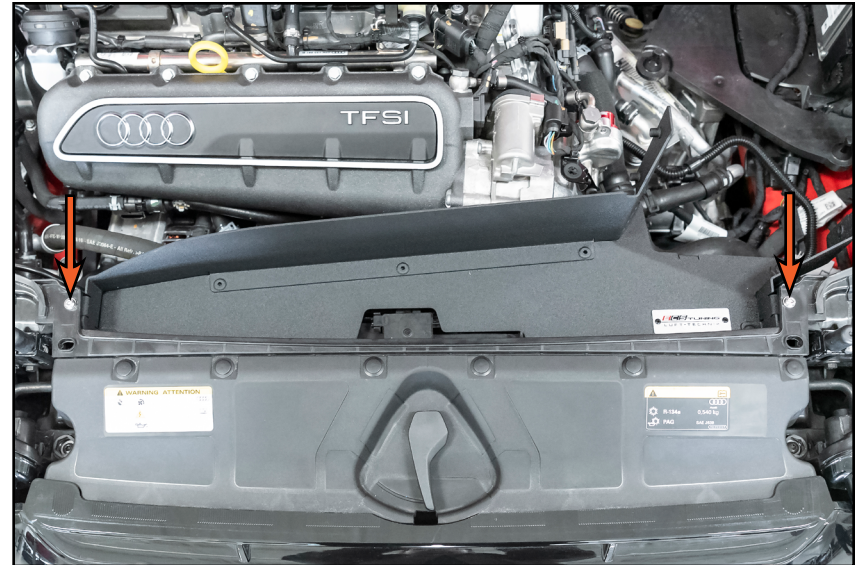
Install the diverter valve adapter using the screws (arrows) we removed earlier. Torque the screws to 9 Nm (7 Ft-lbs).



INSTALLING THE NEW INTAKE SYSTEM

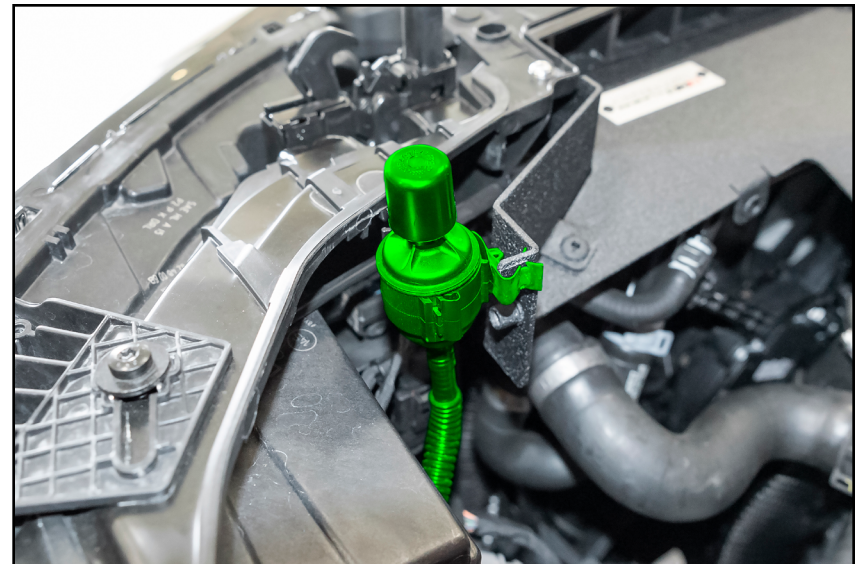
Step 3: 4mm Hex (Allen) Socket & Ratchet

Slide the inlet duct into the core support and secure it with two of the provided M6 x 16mm screws and washers (arrows).



Step 4:

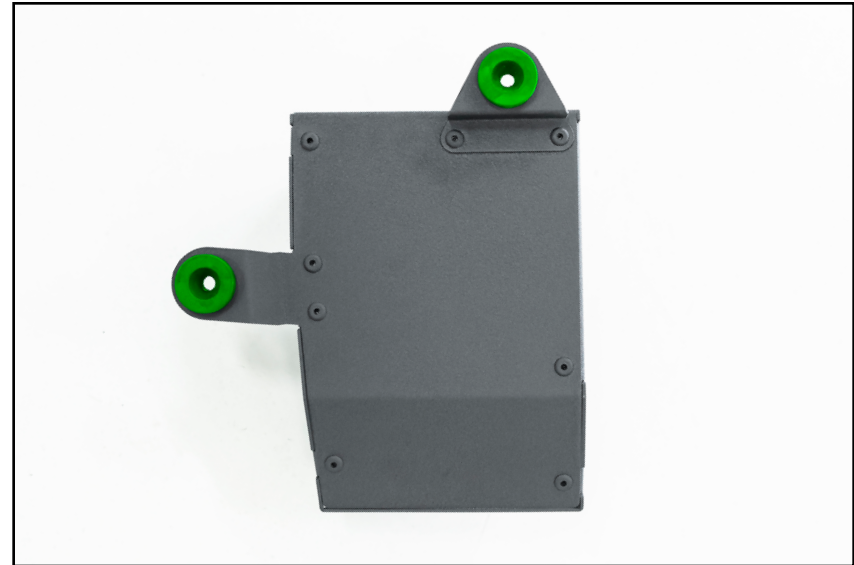
Clip the DSG vent (highlighted in **GREEN**) to the mounting tab on the new inlet duct as shown.



INSTALLING THE NEW INTAKE SYSTEM

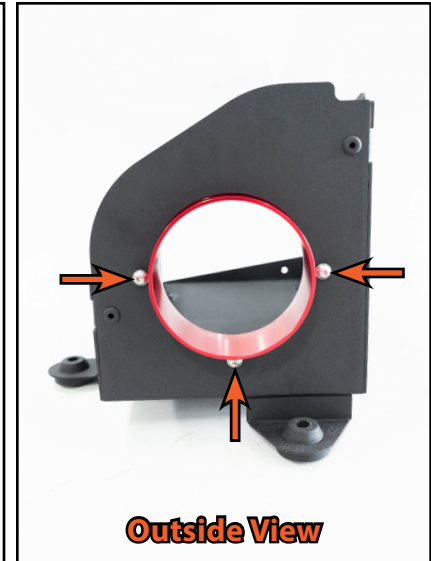
Step 5:

Install the two provided grommets (highlighted in **GREEN**) into the underside of the heat shield as shown.



Step 6: 4mm Hex (Allen) Socket & Ratchet

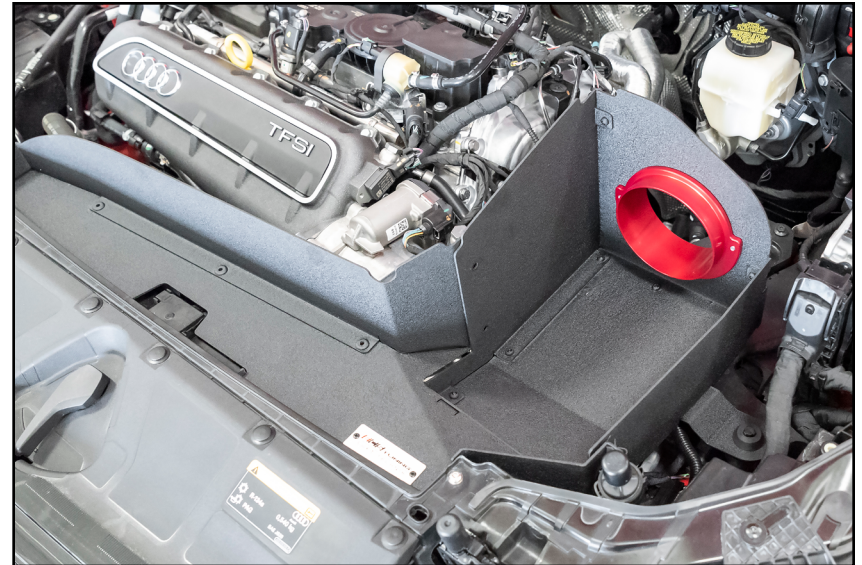
Install the filter adapter into the opening on the heat shield using the three provided M6 x 10mm screws and washers (arrows).



INSTALLING THE NEW INTAKE SYSTEM

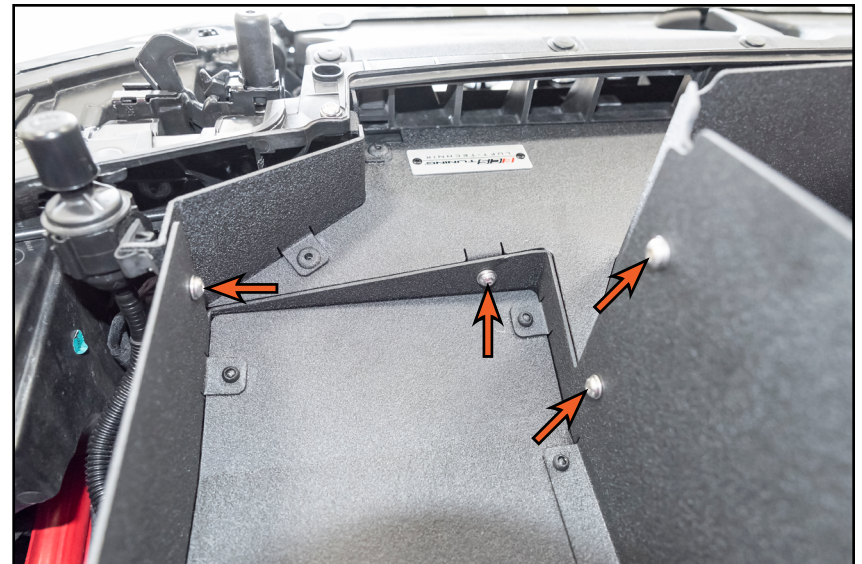
Step 7:

Install the heat shield by lining up the grommets with the mounting posts and pushing down to pop them into place.



Step 8: 4mm Hex (Allen) Socket & Ratchet

Secure the heat shield to the inlet duct using four of the provided M6 x 16mm screws and washers (arrows).



INSTALLING THE NEW INTAKE SYSTEM

Step 9:

Install the turbo inlet coupler and clamps onto the turbo inlet as shown, leaving the clamp loose enough to allow for adjustment.



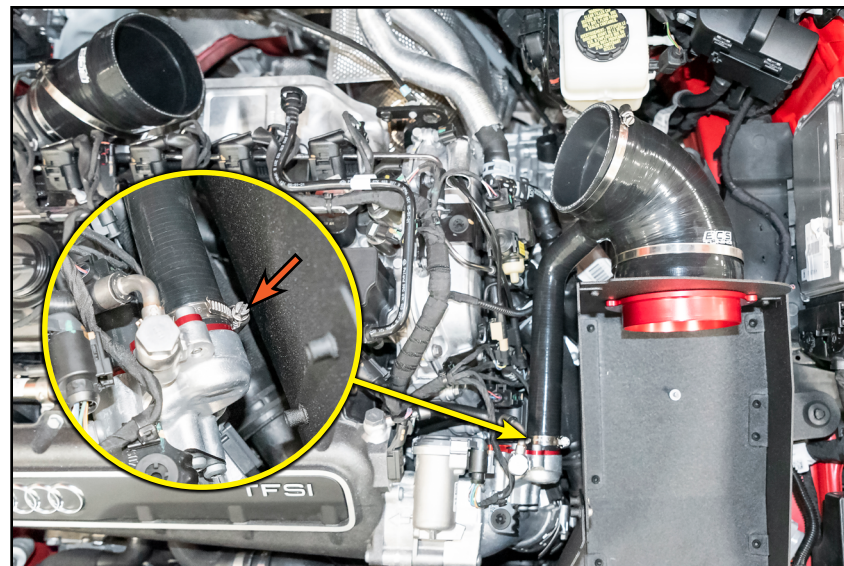
If you have an ECS turbo inlet pipe: Install the larger provided turbo inlet coupler.



Step 10: 7mm Socket & Ratchet -OR- Flat Head Screwdriver

Install the filter adapter coupler and clamps onto the filter adapter as shown, leaving the clamp loose enough to allow for adjustment.

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



INSTALLING THE NEW INTAKE SYSTEM

Step 11: 7mm Socket & Ratchet -OR- Flat Head Screwdriver

Install the intake pipe between the turbo inlet and filter couplers, adjust the couplers until you are satisfied with their fitment, then fully tighten all of the clamps.

Install the vent hose (highlighted in **GREEN**) onto the flange on the new intake pipe as shown.

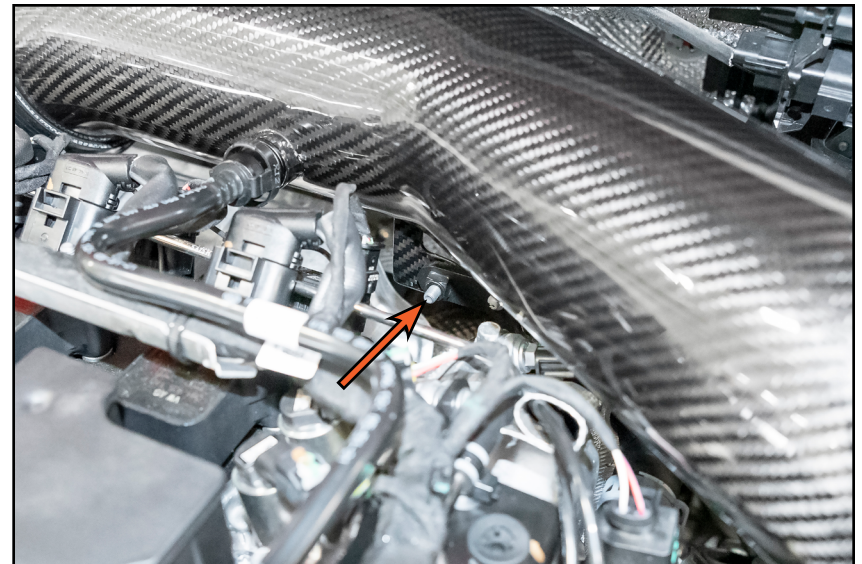


Step 12: T30 Torx Socket & Ratchet

Reinstall the bolt (arrow) to secure the intake pipe to the bracket at the back of the engine.



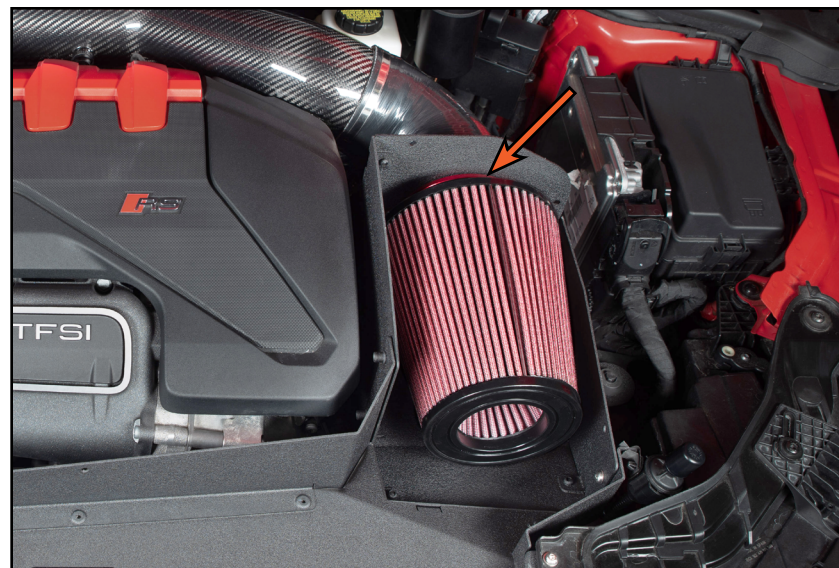
CAUTION: Be careful not to over-tighten the hardware, over-tightening can damage the carbon fiber.



INSTALLING THE NEW INTAKE SYSTEM

Step 13: 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.



Step 14: 8mm Socket & Ratchet -OR- Flat Head Screwdriver

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



If you purchased a Luft-Technik Intake:

Please proceed to the next page for final installation steps.

If you purchased a Kohlefaser Luft-Technik Intake:

Please skip to [page 16](#) for final installation steps.



INSTALLING THE NEW INTAKE SYSTEM

Step 15:

Apply the provided bulb seal (highlighted in **GREEN**) along the top of the heat shield and trim off any excess. This will help seal the intake to the hood, making it more air-tight.

Your Luft-Technik Intake System installation is complete!

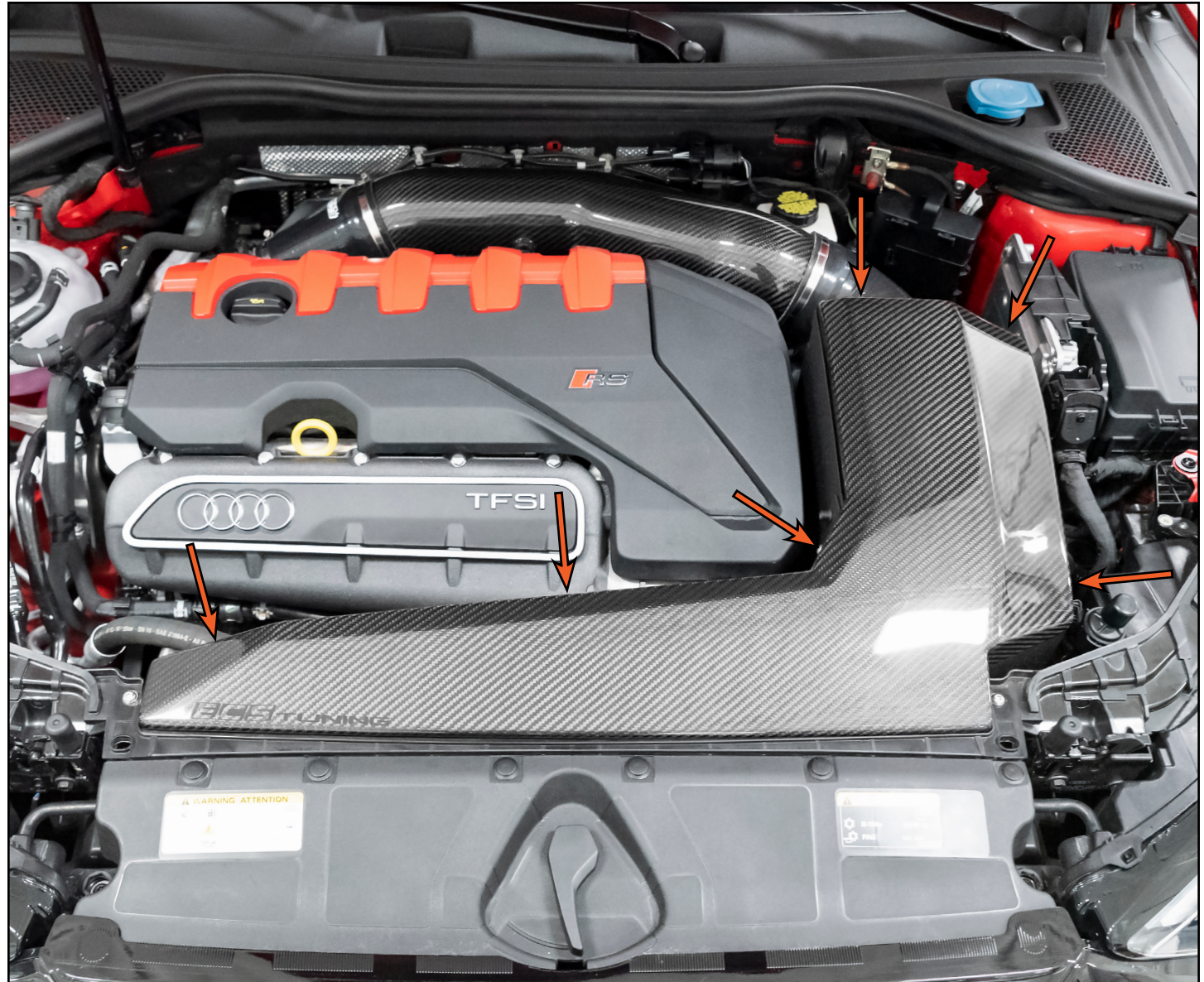


INSTALLING THE NEW INTAKE SYSTEM

Step 15:

Carefully lay the carbon fiber lid into place and install the six remaining M6 x 16mm screws and washers (arrows) to secure the lid to the heat shield and inlet duct.

Your Kohlefaser Luft-Technik Intake System installation is complete!



Your Luft-Technik Intake System installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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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