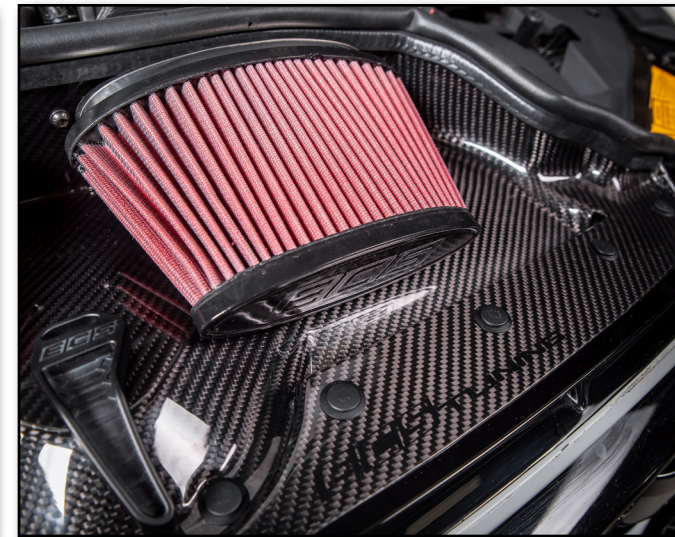




Audi C8 RS6/RS7 Kohlefaser Luft-Technik Intake System Installation Instructions - [Click HERE to Shop](#)



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

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

Trim Tool Kit.....[Click HERE to Shop](#)

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

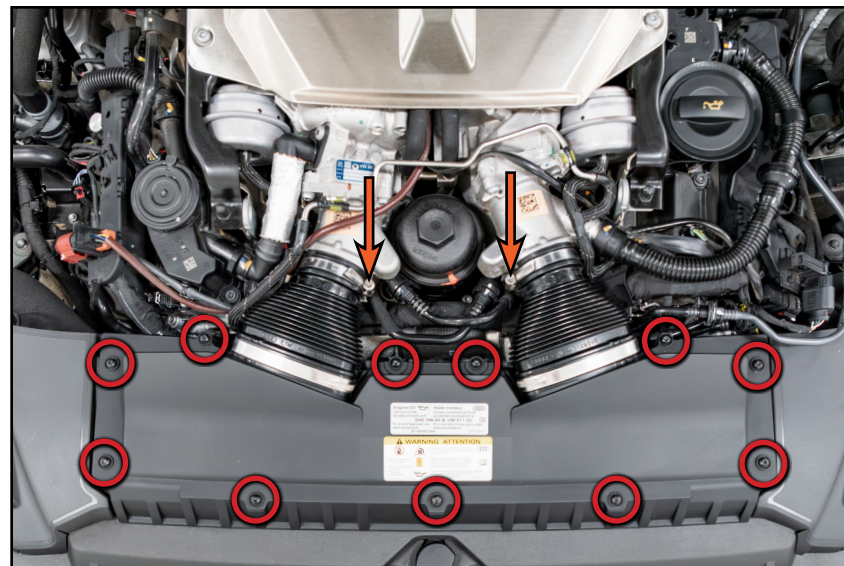
Step 1:

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



Step 2: T25 Torx, 7mm Socket & Ratchet

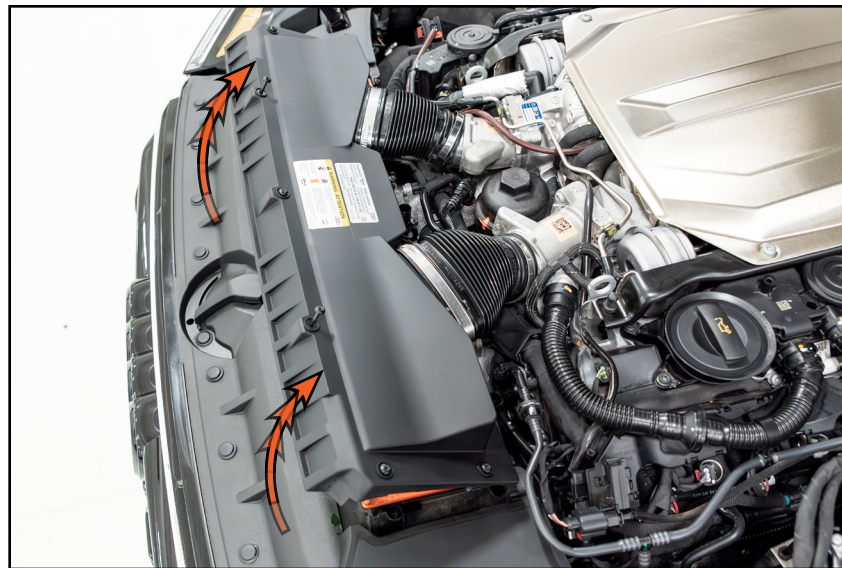
Loosen the two clamps (arrows) that secure the intake tubes to the turbo inlets, then loosen the screws (circled in **RED**) that secure the lid to the airbox.



REMOVING THE STOCK INTAKE

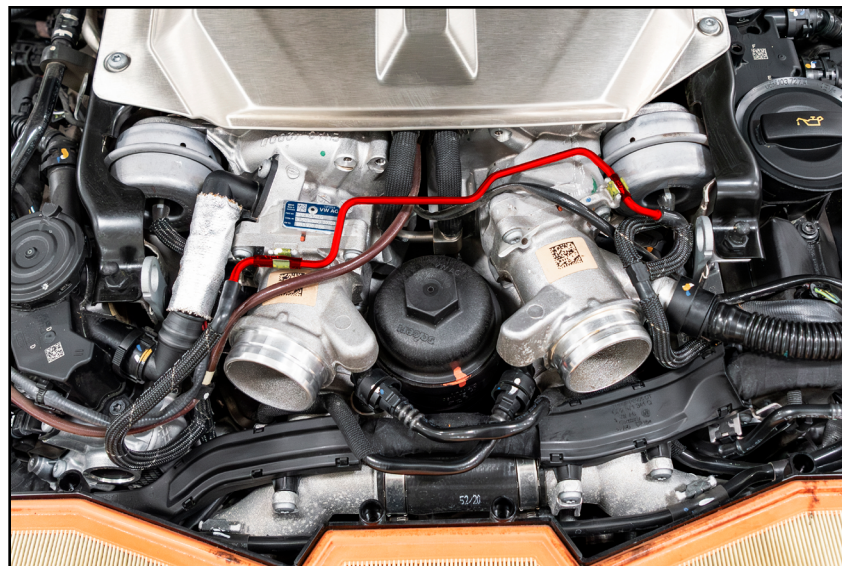
Step 3:

Pivot the airbox lid upward as shown, then pull it free from the turbo inlets.



Step 4:

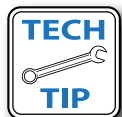
Pull upward to free the wastegate line (highlighted in **RED**) from the mounting tabs on the turbo inlets.



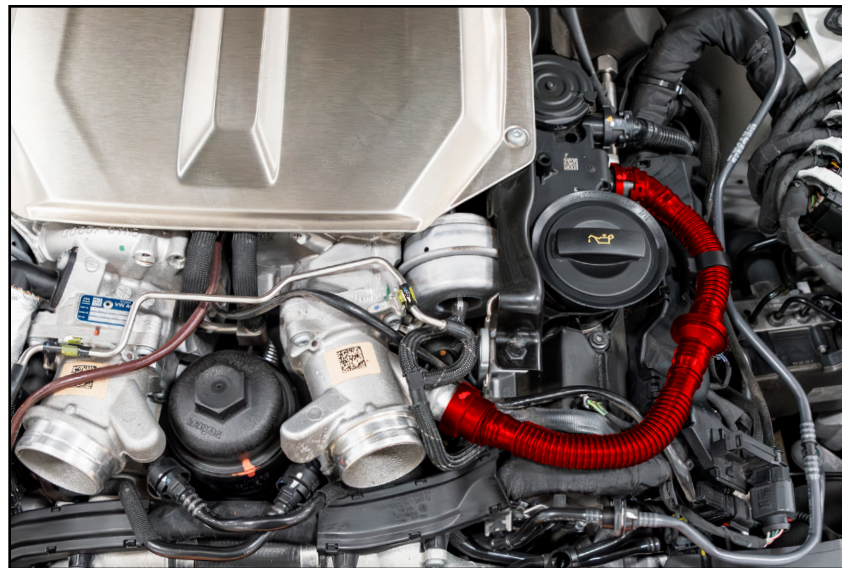
REMOVING THE STOCK INTAKE

Step 5: Angled Pick

Pull the PCV vent hose (highlighted in **RED**) off the flange on the LH turbo inlet.

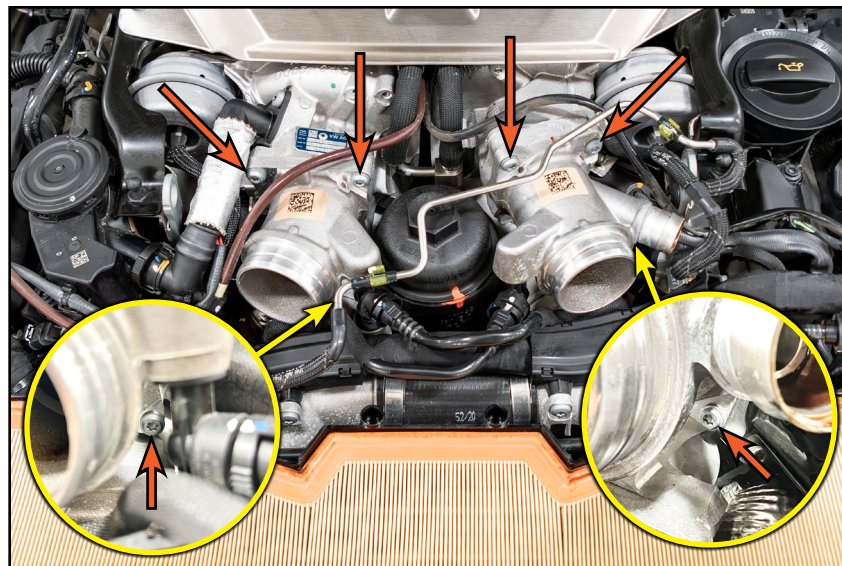


Push an angled pick in between the turbo inlet flange and PCV vent hose fitting and slide it around the perimeter to free up the internal retaining ring.



Step 6: T30 Torx Socket & Ratchet

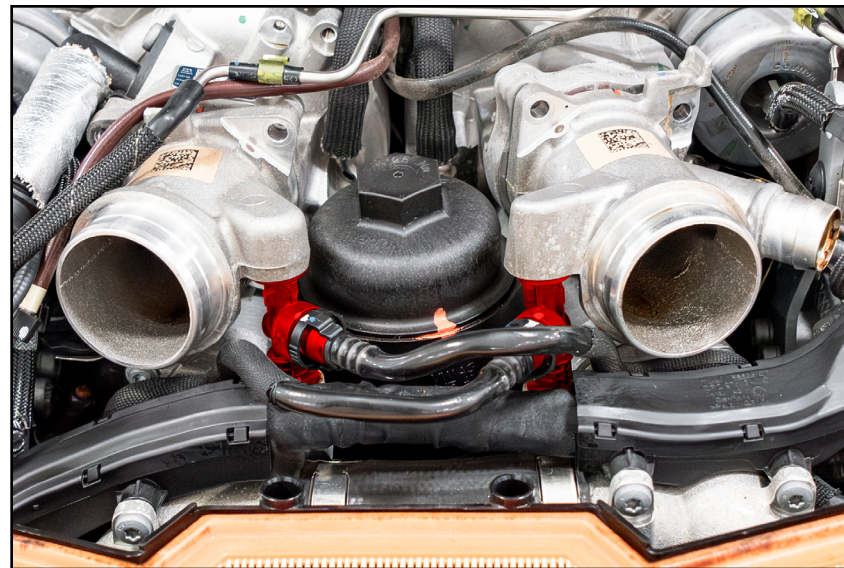
Remove the three bolts (arrows) that secure each turbo inlet to the turbocharger, being careful not to drop or lose the screws.



REMOVING THE STOCK INTAKE

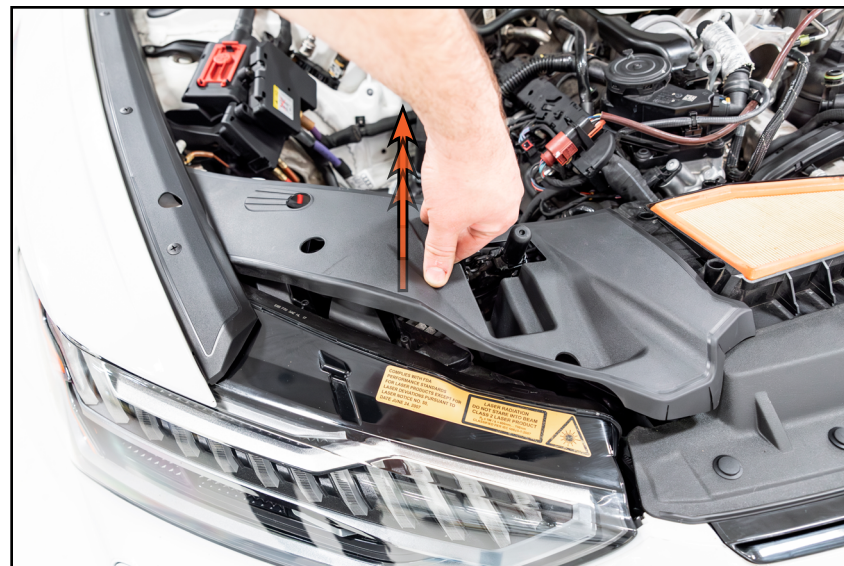
Step 7:

Lift each turbo inlet upward to free it from the venturi valve (highlighted in **RED**) then carefully guide them free from the engine.



Step 8:

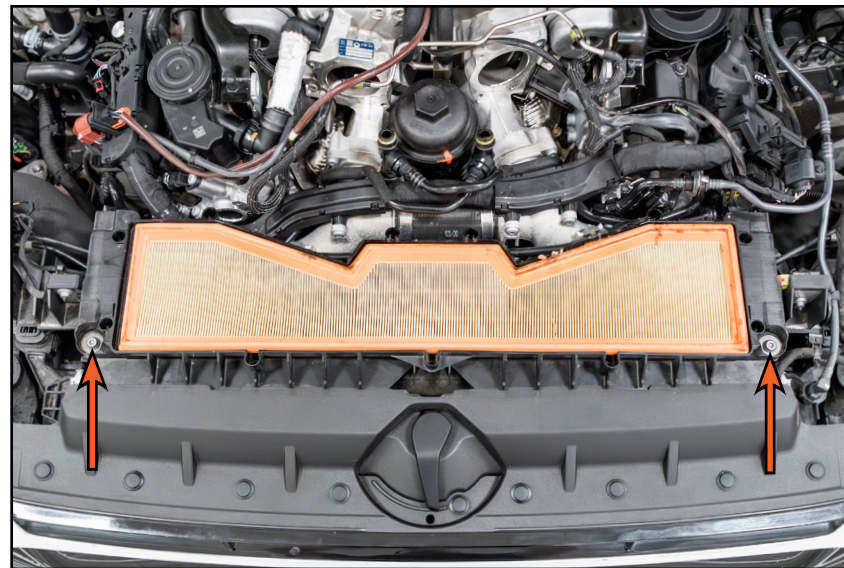
Gently pull upward on each headlight cover to unclip it from the headlight, then carefully guide it free from under the fender trim and airbox mounting tab.



REMOVING THE STOCK INTAKE

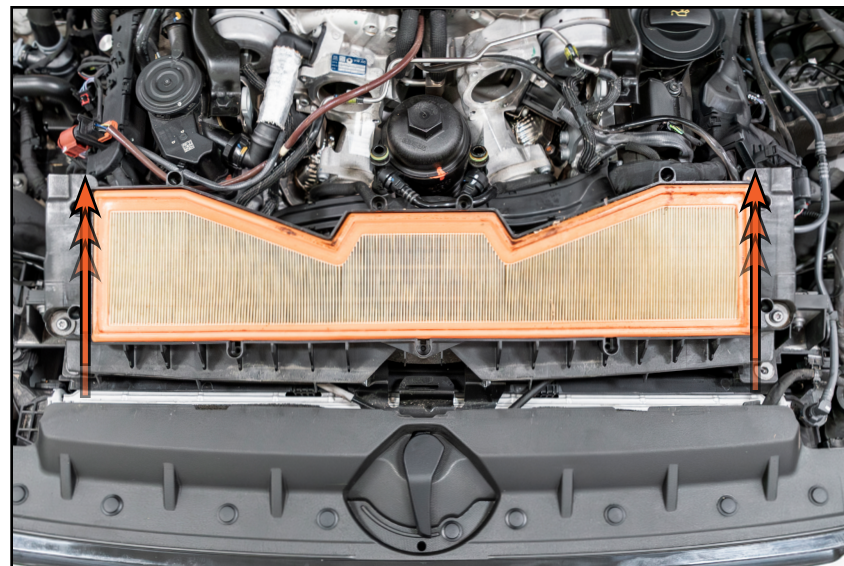
Step 9: T30 Torx Socket & Ratchet

Loosen the two screws (arrows) that secure the airbox to the core support.



Step 10:

Slide the airbox rearward to free it from the core support, then remove it free from the vehicle.



REMOVING THE STOCK INTAKE

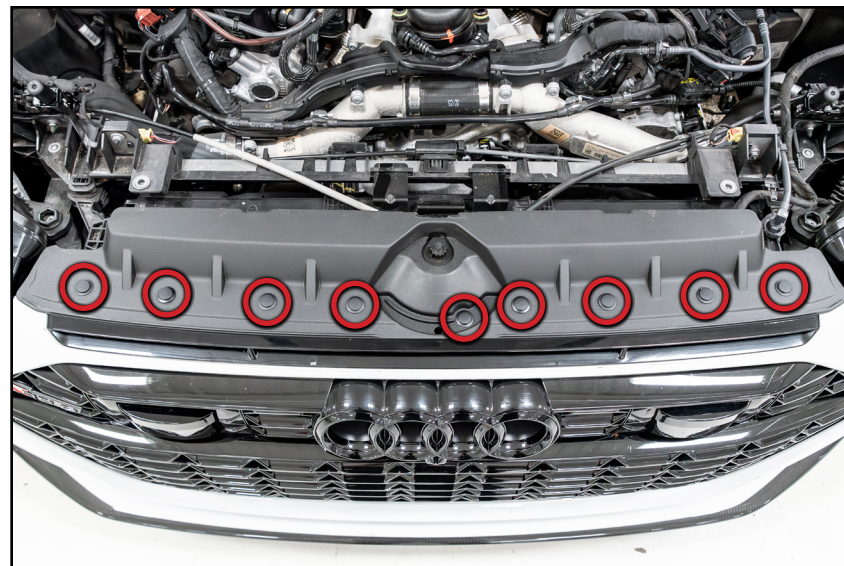
Step 11: Trim Removal Tool

Depress the retaining tab (highlighted in **RED**) and pull upward to remove the hood release handle.



Step 12: Trim Removal Tool

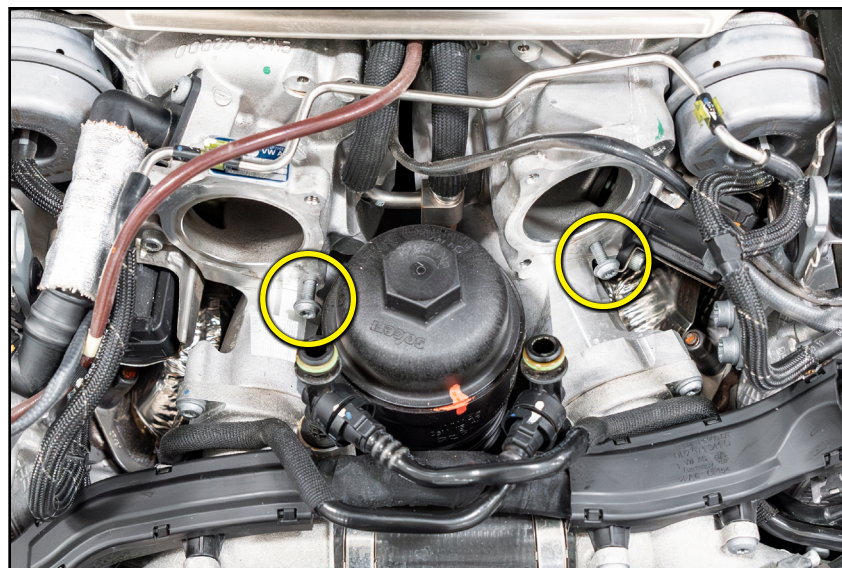
Release the plastic push rivets (circled in **RED**), then remove the radiator cover from the core support.



INSTALLING THE NEW INTAKE SYSTEM

Step 1: T30 Torx Socket & Ratchet

Remove the rubber isolators from the turbo inlet screws (highlighted in **RED** in photo below), then loosely thread one screw into the lowermost turbo inlet mounting hole (circled in **YELLOW**) in each turbocharger to aid in reassembly.



Step 2:

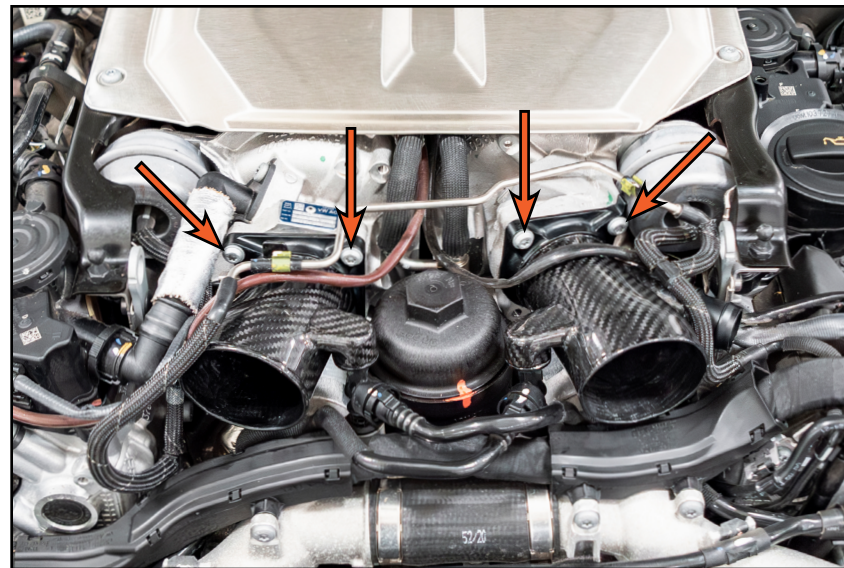
Inspect each of the new turbo inlets to ensure the o-rings (arrows in photo below) are fully seated in their grooves. Carefully guide the new turbo inlets onto the threads of the lower screws and ensure the venturi valves (highlighted in **GREEN**) fully seat in the ports as shown.



INSTALLING THE NEW INTAKE SYSTEM

Step 3: T30 Torx Socket & Torque Wrench

Reinstall the remaining screws (arrows), then torque all six turbo inlet screws to 9 Nm (7 Ft-lbs).



Step 4:

Clip the wastegate line (highlighted in **GREEN**) onto the mounting tabs on each turbo inlet as shown.



Depending on your vehicle, you may need to rotate or slide the clips to ensure proper clearance between the line and the turbocharger.



INSTALLING THE NEW INTAKE SYSTEM

Step 5:

Install the PCV vent hose (highlighted in **GREEN**) onto the flange on the LH turbo inlet, ensuring it locks into place.

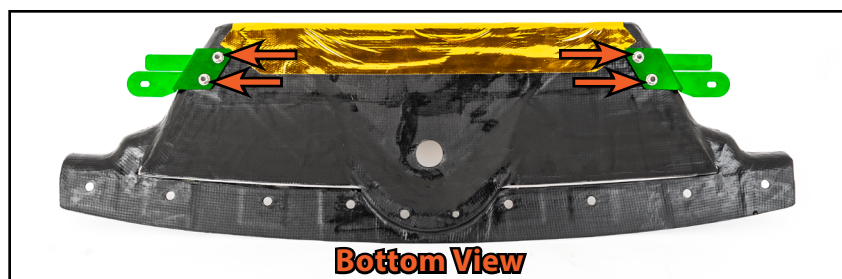


The PCV vent hose retaining function is easily damaged during removal, while this will not cause a leak due to the hose remaining under vacuum during operation, a replacement can be purchased [HERE](#).



Step 6: 10mm Wrench, 4mm Hex (Allen) Socket & Ratchet

Install the mounting brackets (highlighted in **GREEN**) onto the underside of the heat shield, securing them in place with four M6 x 12mm screws, washers, and nuts (arrows).

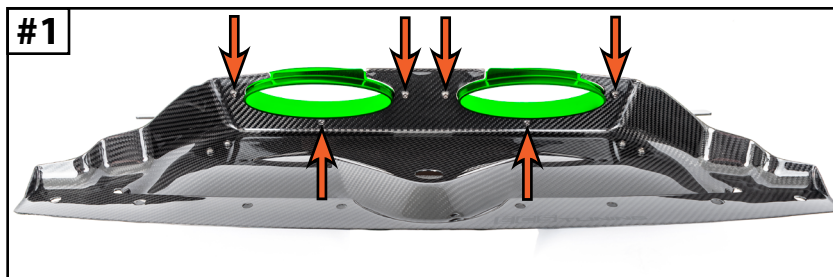


INSTALLING THE NEW INTAKE SYSTEM

Step 7: 4mm Hex (Allen) Socket & Ratchet

Install the air filter adapters (highlighted in **GREEN** in **Photo #1**), securing them in place with the provided M6 x 12mm screw and washers (arrows).

Install the bulb seal (highlighted in **GREEN** in **Photo #2**) along the top of the heat shield and air filter adapters as shown.



Step 8: 7mm Socket & Ratchet

Slide the intake couplers onto the air filter adapters as shown, then tighten the clamps (arrows) until fully snug.



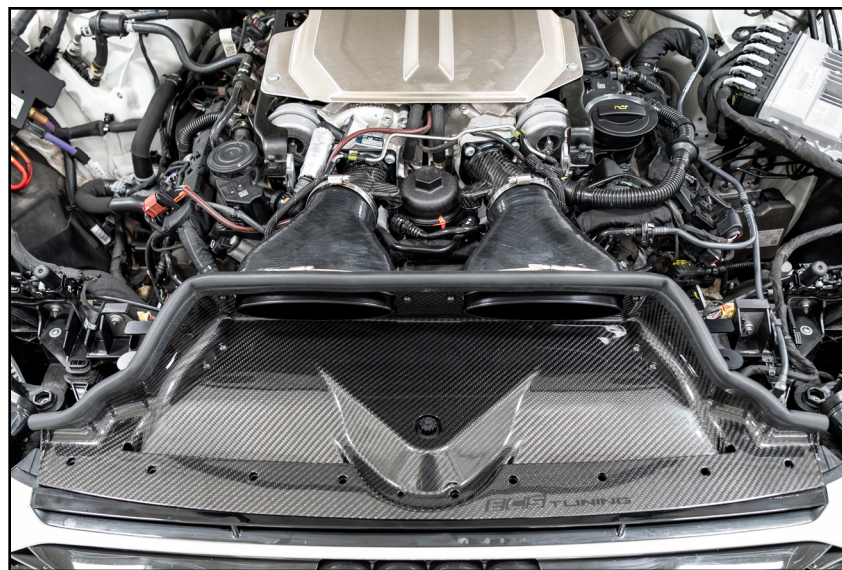
The clamps are shown here facing **upward** for clarity and visibility in these instructions, however they must face **downward** when installed to ensure proper clearance for the hood.



INSTALLING THE NEW INTAKE SYSTEM

Step 9:

Slide the intake couplers onto the turbo inlets, then carefully rotate the intake system down into place as shown.

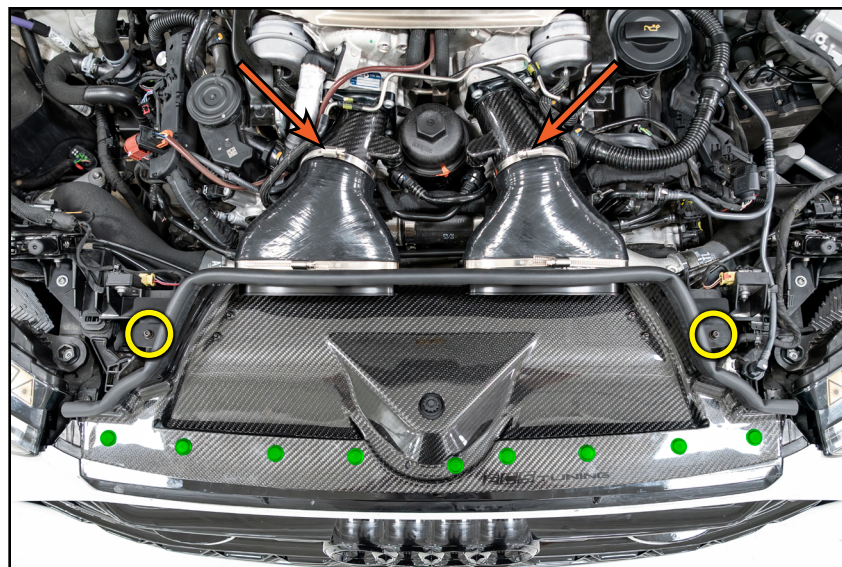


Step 10: 4mm Hex (Allen), 7mm Socket & Ratchet

Install the plastic push rivets (highlighted in **GREEN**) to secure the heat shield to the top of the bumper, then install the two M6 x 16mm screw and washers (circled in **YELLOW**) to secure the brackets to the core support, adjusting the brackets as needed for proper fitment. Tighten the clamps (arrows) on the turbo inlets until fully snug.



The clamps are shown here facing **upward** for clarity and visibility in these instructions, however they must face **downward** when installed to ensure proper clearance for the hood.



INSTALLING THE NEW INTAKE SYSTEM

Step 11: 7mm Socket & Ratchet

Slide the air filters onto the air filter adapters, then tighten the clamps (arrows) until fully snug.



The clamps are shown here facing **upward** for clarity and visibility in these instructions, however they must face **downward** when installed to ensure proper clearance for the hood.



Step 12:

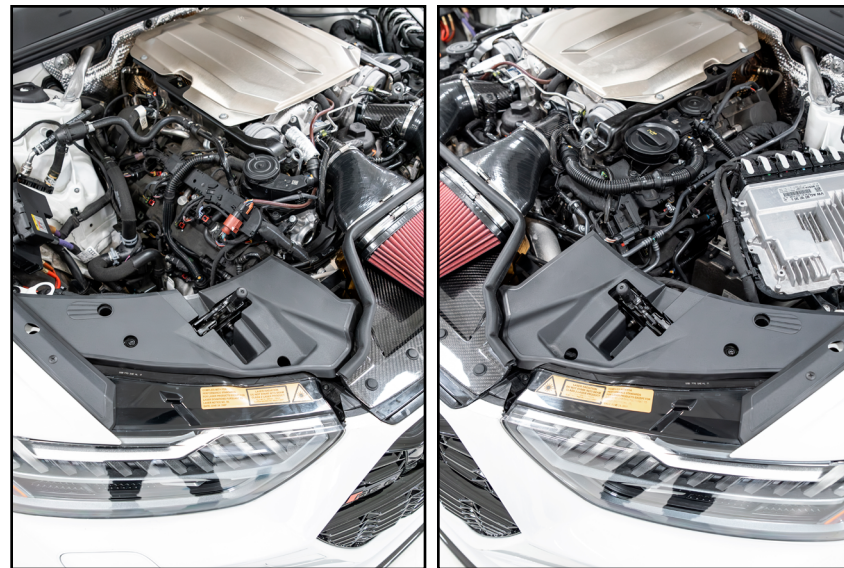
Reinstall the hood latch (highlighted in **GREEN**).



INSTALLING THE NEW INTAKE SYSTEM

Step 13:

Reinstall the headlight covers, ensuring the mounting clip slots onto the mounting tab on each intake bracket.



Step 14:

Reinstall the engine cover.



Congratulations, your installation is complete!

Your Kohlefaser Luft-Technik Intake System installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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