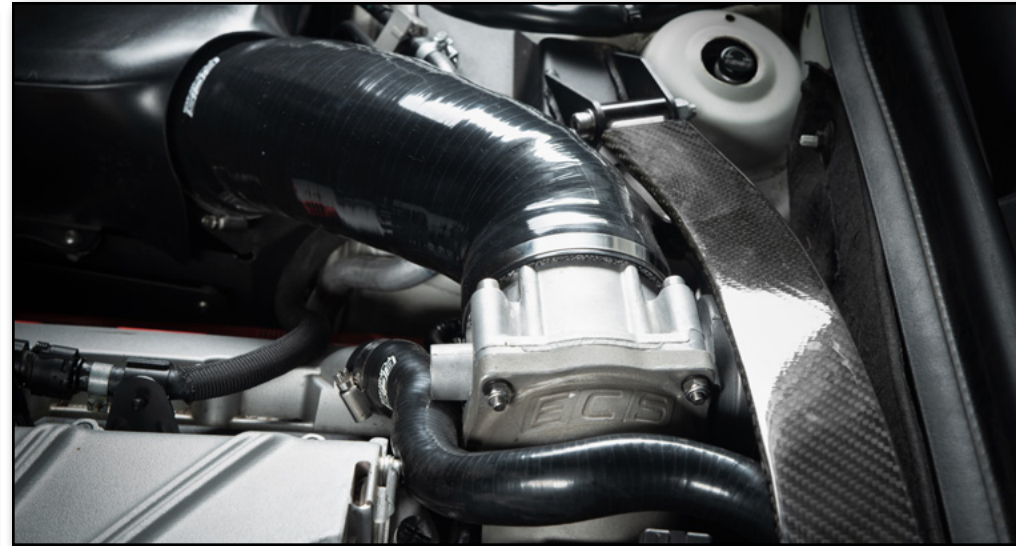




Audi B8 S4 3.0T Throttle Body Upgrade Kit Installation Instructions - [Click HERE to Shop](#)



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.

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KIT CONTENTS



Throttle Body



Throttle Body Adapter



Silicone Inlet Hose



Wiring Harness Adapter



Install Hardware



Fuel Hose & Vacuum Hose

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](#)

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.



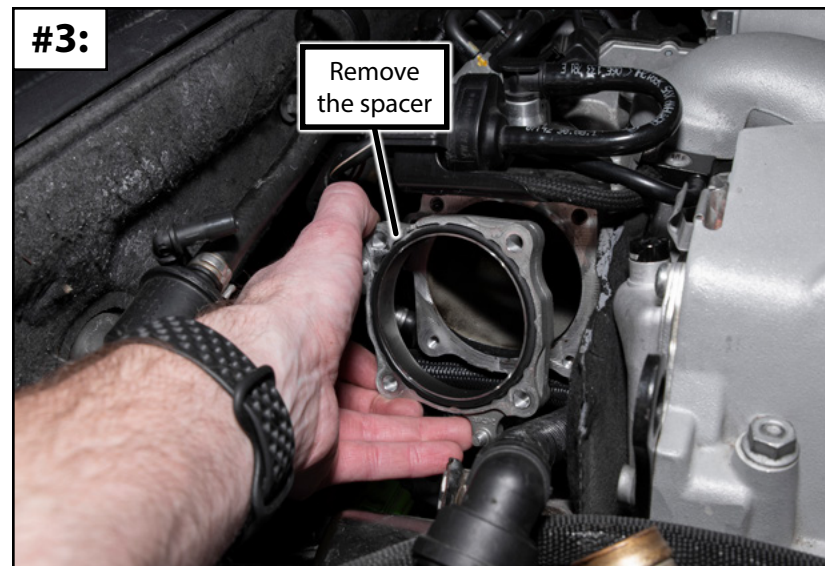
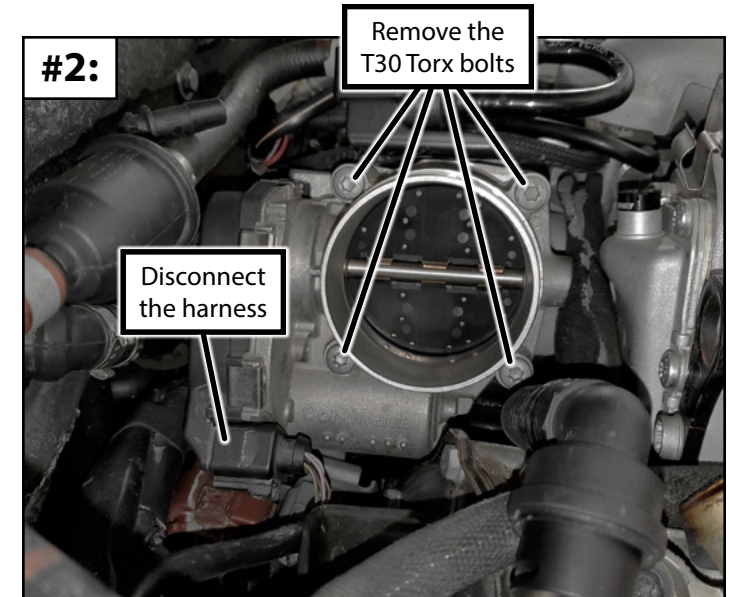
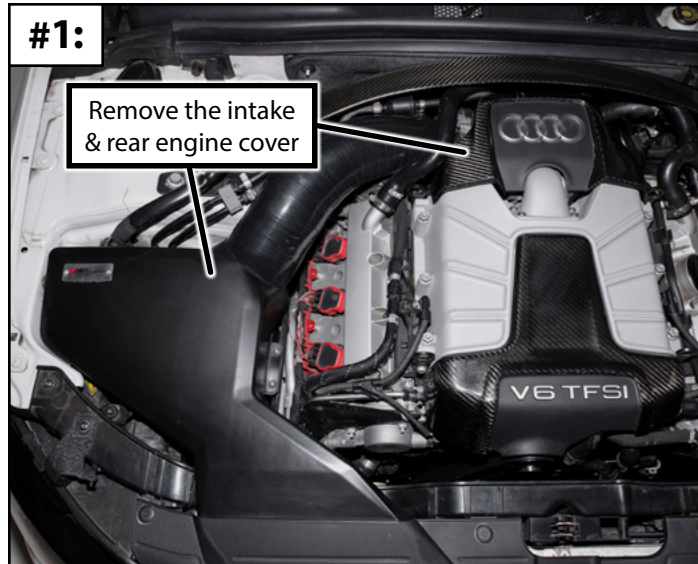
NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK THROTTLE BODY

Step 1:

Remove the intake system and rear engine cover (**Photo #1**). If you've installed an aftermarket strut tower brace you'll need to remove that too.

Disconnect the harness from the throttle body (**Photo #2**). Remove the four T30 Torx bolts from the throttle body, then remove it from the engine bay. Remove the throttle body spacer (**Photo #3**).



INSTALLING THE NEW THROTTLE BODY UPGRADE KIT

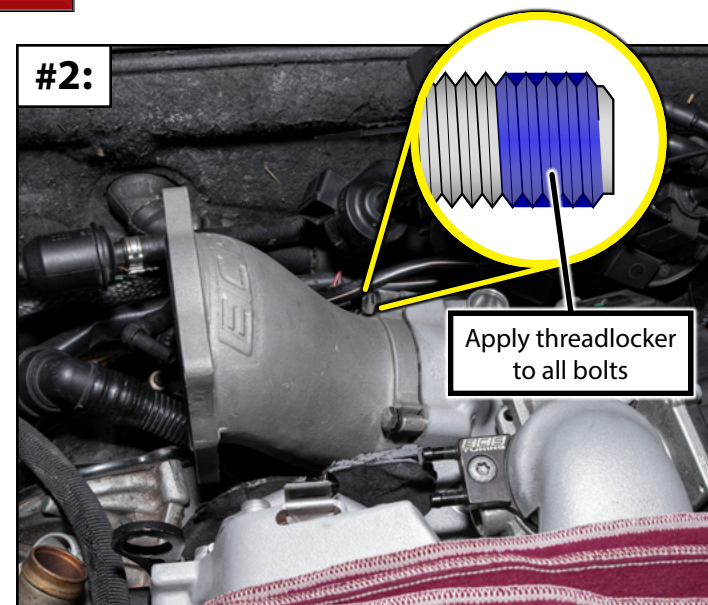
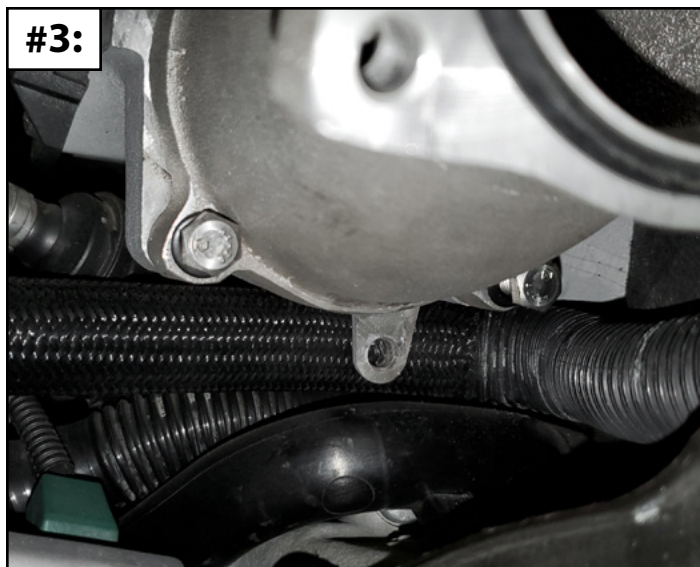
Step 1:

Install the supplied o-rings into the aluminum riser (**Photo #1**). A dab of grease inside the groove will help to hold the o-ring in place.

Apply **BLUE** threadlocker to the supplied M6x22mm bolts (**YELLOW** inset photo). Install the riser onto the supercharger using these bolts and flat washers (**Photo #2 & Photo #3**). Tighten the bolts until they make contact + $\frac{1}{8}$ turn. Be careful to not over-tighten these bolts, the threads in the riser are aluminum.

Note: We removed the bracket on top of the supercharger for maximum visibility.

Closely inspect the area around the aluminum riser for interference. You may find that you need to bend the bracket on top slightly (**Photo #4**).

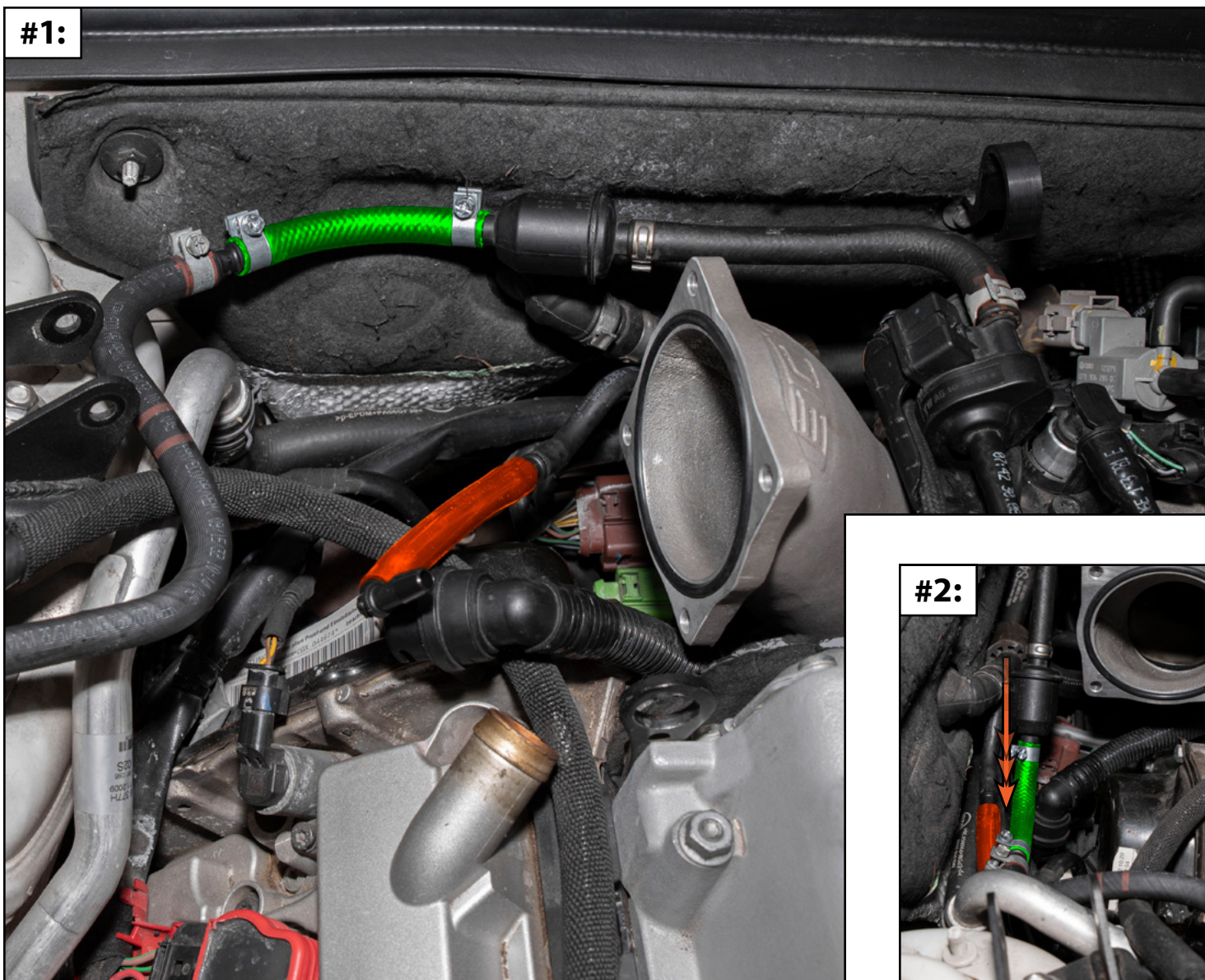


INSTALLING THE NEW THROTTLE BODY UPGRADE KIT

Step 2:

Use the supplied $\frac{3}{8}$ " ID rubber fuel hose to extend the EVAP hose (highlighted in **GREEN** in **Photo #1**). Use the supplied silicone hose to extend the breather hose (highlighted in **ORANGE** in **Photo #1**).

Push the EVAP and breather hoses down and out of the way (**Photo #2**).



INSTALLING THE NEW THROTTLE BODY UPGRADE KIT

Step 3: 5mm Hex (Allen)

Install the upgraded throttle body onto the riser using the supplied M6x60mm bolts, washers and lock nuts. Connect the adapter harness between the engine harness and the new throttle body.



Step 4:

Reinstall the intake system using the new silicone intake hose.

Connect the breather hose we extended in step 2 to the back side of the intake hose.



If your vehicle has our baffled oil catch can system:

- Please proceed to the next page for specific fitment notes.

If your vehicle has the stock PCV system:

- Reinstall the rear engine cover.
- Flash the ECU with a tune capable of managing the upgraded throttle body.
- ***Congratulations, your installation is complete!***



INSTALLING THE NEW THROTTLE BODY UPGRADE KIT

Step 5:

Our upgraded throttle body is designed to work with both the stock PCV system, as well as our baffled oil catch can system. The silicone catch can hose (highlighted in **RED** in **Photo #1**) can easily be routed around the larger throttle body and the aluminum riser.

However, you will need to trim away some material (highlighted in **GREEN** in **Photo #2**) from the back side of the rear engine cover to make room for the catch can hose.

Flash the ECU with a tune capable of managing the upgraded throttle body.

Congratulations, your installation is complete!



Your 3.0T Throttle Body Upgrade Kit installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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