

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

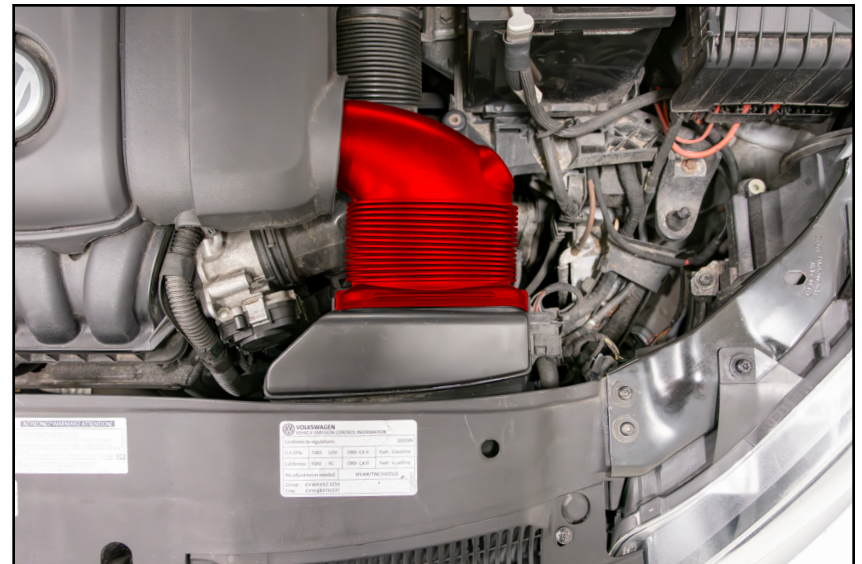
Step 1:

If equipped, Disconnect the MAF sensor connector (highlighted in **RED**).



Step 2:

Pull the inlet tube (highlighted in **RED**) free from the inlet duct.



REMOVING THE STOCK INTAKE SYSTEM

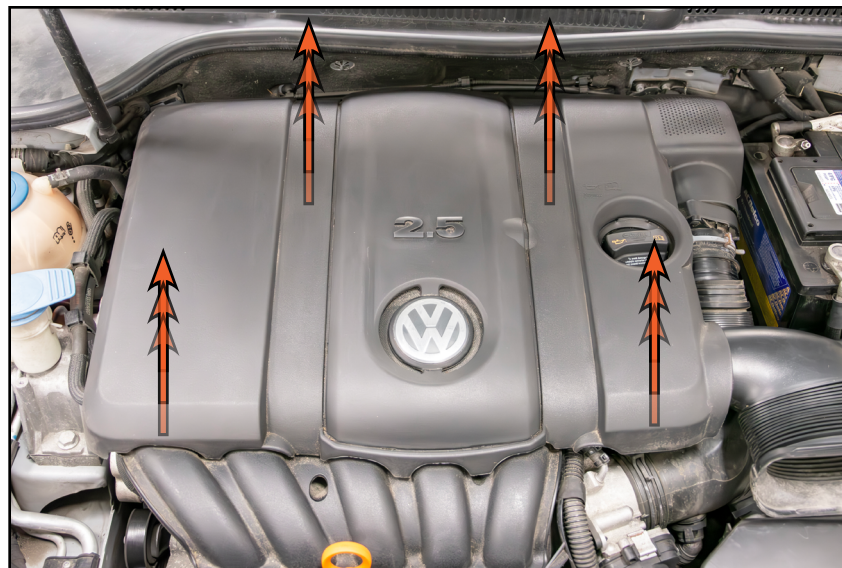
Step 3:

Compress the clamp (arrow) and pull the intake tube (highlighted in **RED**) free from the airbox.



Step 4:

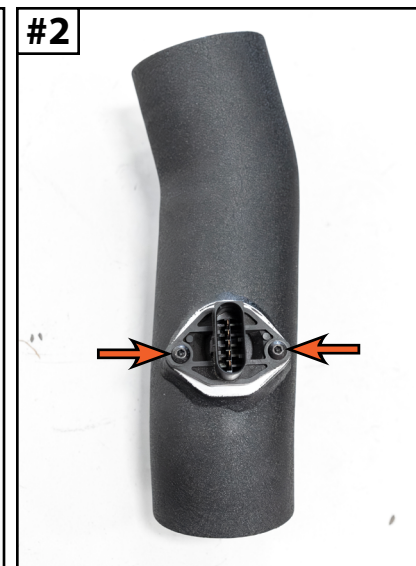
Pull upward on the airbox to pop it free from the mounting grommets and remove it from the engine.



REMOVING THE STOCK INTAKE SYSTEM

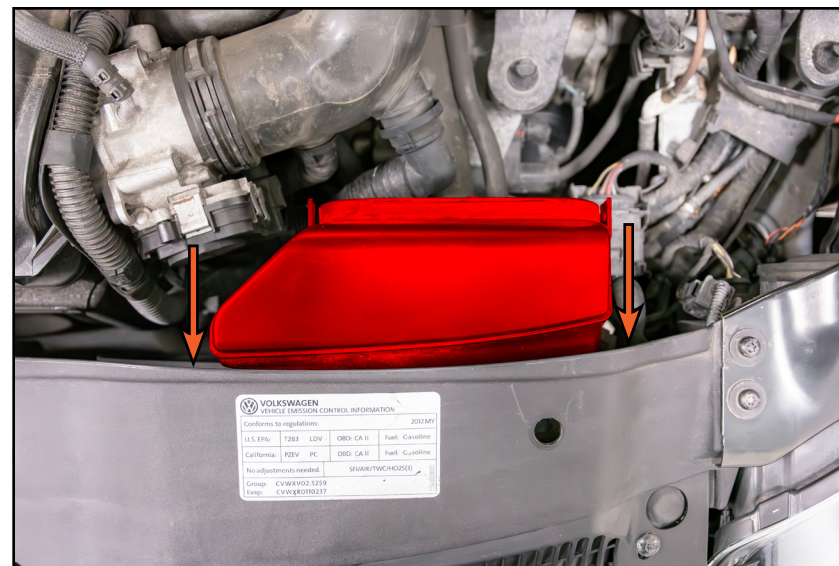
Step 5: T20 Torx, 3mm Hex (Allen) Socket & Ratchet

Remove the screws (arrows in **Photo #1**) and transfer the MAF sensor to the new intake tube and secure it with the provided M5 x 16mm screws (arrows in **Photo #2**).



Step 6: T25 Torx Socket & Ratchet

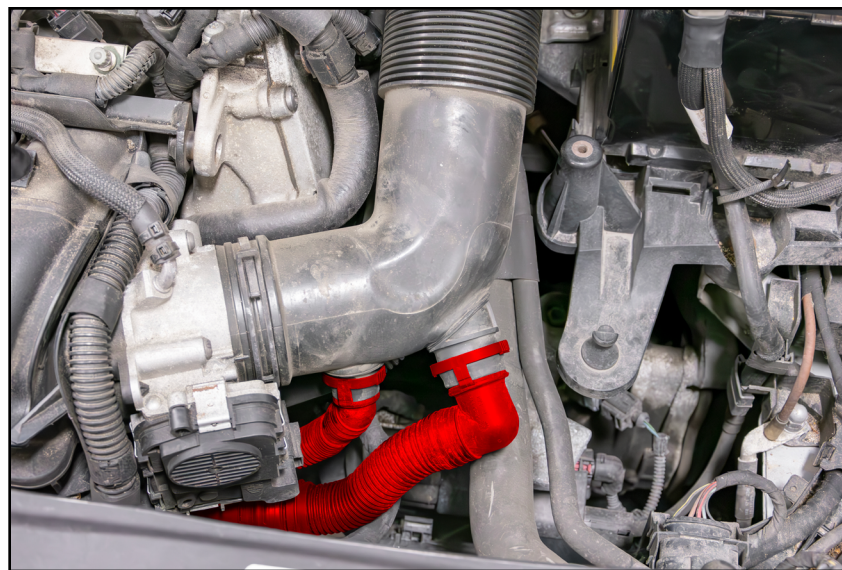
Remove the screws (arrows) that secure the inlet duct (highlighted in **RED**) to the core support and remove the inlet duct.



REMOVING THE STOCK INTAKE SYSTEM

Step 7:

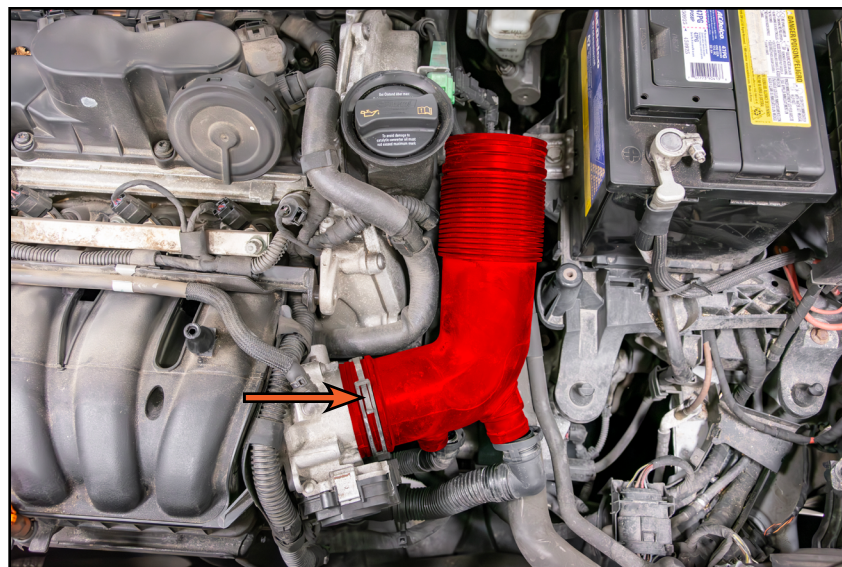
Depress the retaining tabs and pull the two plastic hoses (highlighted in **RED**) free from the intake tube.



Step 8:

Compress the clamp (arrow) and pull the intake tube (highlighted in **RED**) free from the throttle body.

Vehicles with power steering fluid reservoir only: lift up to pop the power steering reservoir free from the mounting bracket, then remove the screw and remove the mounting bracket from the vehicle (not shown).



INSTALLING THE NEW INTAKE SYSTEM

Step 1:

Vehicles with power steering fluid reservoir only: Install one of the provided mounting grommets (highlighted in **GREEN**) into the hole in the bottom of the new power steering fluid reservoir bracket.



Step 2: 10mm Socket & Ratchet

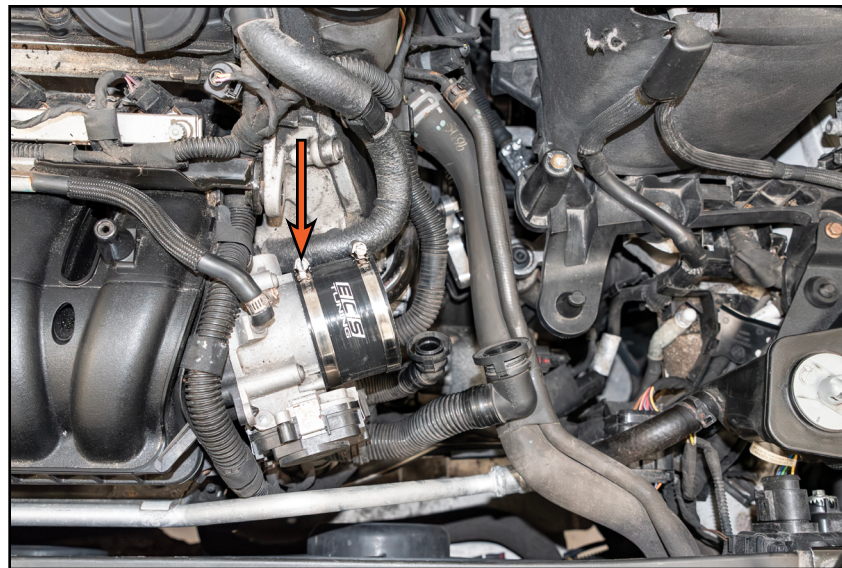
Vehicles with power steering fluid reservoir only: Install the new power steering fluid reservoir bracket (highlighted in **GREEN**) onto the plastic standoff and push down to pop it into place, then reinstall the screw (arrow). Slide the reservoir into the bracket and push down to pop it into place.



INSTALLING THE NEW INTAKE SYSTEM

Step 3: 7mm Socket & Ratchet

Slide the inlet coupler onto the throttle body and tighten the clamp (arrow) to secure it in place.



Step 4:

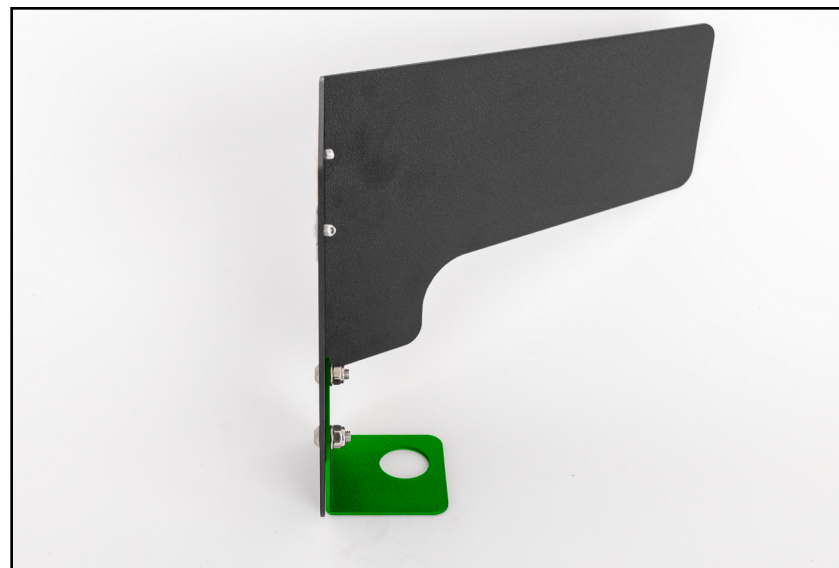
Slide the new intake tube into the coupler and connect the two plastic hoses (highlighted in **GREEN**).



INSTALLING THE NEW INTAKE SYSTEM

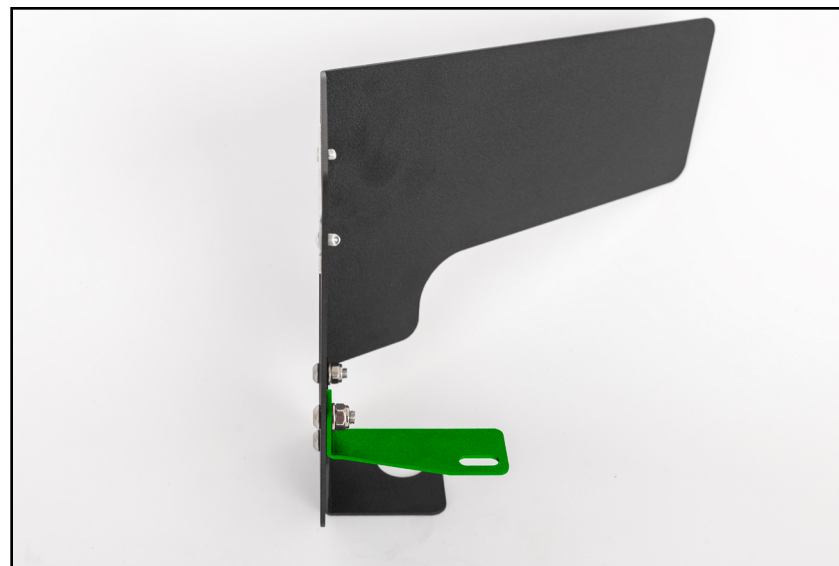
Step 5: 10mm Wrench, 4mm Hex (Allen) Socket & Ratchet

Install the lower bracket (highlighted in **GREEN**) onto the bottom of the heat shield and secure it in place with the provided M6 x 14mm screws, washers, and nuts.



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

Install the upper bracket (highlighted in **GREEN**) onto the heat shield and secure it in place with the provided M6 x 14mm screw, washer, and nut.



INSTALLING THE NEW INTAKE SYSTEM

Step 7:

Install the provided mounting grommet (highlighted in **GREEN**) into the hole in the bottom of the heat shield as shown.



Step 8:

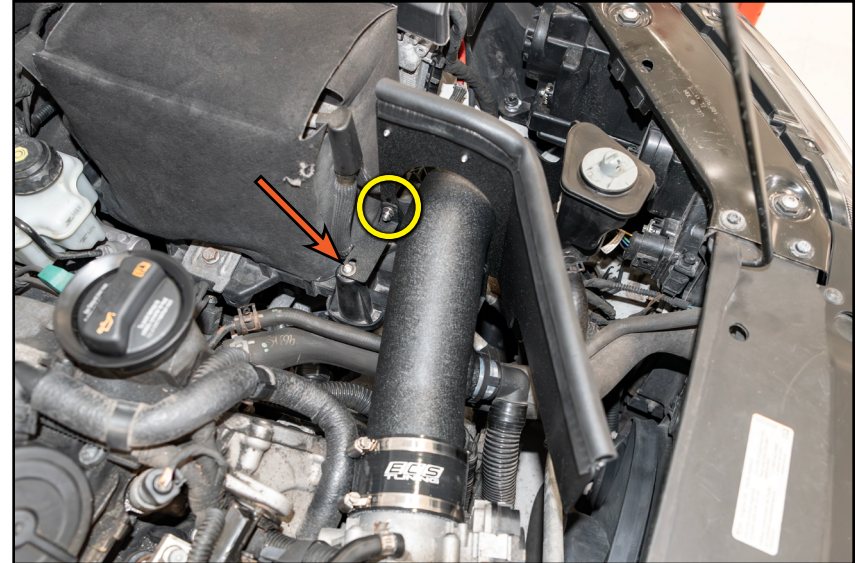
Install the provided bulb seal (highlighted in **GREEN**) along the top of the heat shield, trimming to length as needed.



INSTALLING THE NEW INTAKE SYSTEM

Step 9: 10mm Wrench, 4mm Hex (Allen) Socket & Ratchet

Install the heat shield onto the plastic standoff and push down to pop it into place, then install the provided M6 x 14mm screw and spring washer (arrow) to secure the upper bracket to the battery tray. Loosen the nut (circled in **YELLOW**) to adjust the heat shield as needed, then tighten it back down.



Step 10: 7mm Socket & Ratchet

Adjust the intake tube until it is perfectly centered in the opening in the heat shield (as shown in **Photo #1**), then tighten the clamp (arrow in **Photo #2**) until snug.



INSTALLING THE NEW INTAKE SYSTEM

Step 11: 7mm Socket & Ratchet

Slide the provided air filter onto the end of the intake tube then tighten the clamp (arrow) until snug.



Step 12:

If equipped, reconnect the MAF sensor connector (highlighted in **GREEN**).



Congratulations, Your installation is complete!

Your 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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