

IE B8/B8.5 S4 Cold Air Intake Install Guide

IEINCG2A

Thank you for purchasing another high quality Integrated Engineering product! This instruction guide is used for installation of IE's Cold Air Intake Kit for Audi B8 & B8.5 S4 3.0T applications. This kit needs to be installed by a professional or an experienced technician. Integrated Engineering is not responsible for any damage caused by incorrect installation.

Required Tools:

- Flathead screwdriver
- Phillips screwdriver
- T25 torx driver
- T30 torx driver
- 4mm allen wrench
- 8mm wrench

Included Components:

- 1X Main heat shield assembly
- 1X Heat shield support bracket
- 1X Throttle body silicone w/ vacuum connector
- 1X Velocity stack silicone
- 1X Metal inlet pipe
- 1X 5" Inlet performance air filter w/ hose clamp
- 1X Intake trim seal
- 1X T30 torx screw
- 2X M5X16mm allen head bolts
- 1X M6X10mm allen head bolt
- 1X M6 washer
- 2X Aluminum grommet mount pins
- 2X M5 washers
- 2X M5 nylon lock-nuts
- 1X SAI filter adapter
- 1X SAI filter
- 3X 80-100mm hose clamp
- 1X 70-90mm hose clamp

Optional Components:

- 1X Carbon fiber lid
- 5X M4 button head bolts
- 5X M4 washers

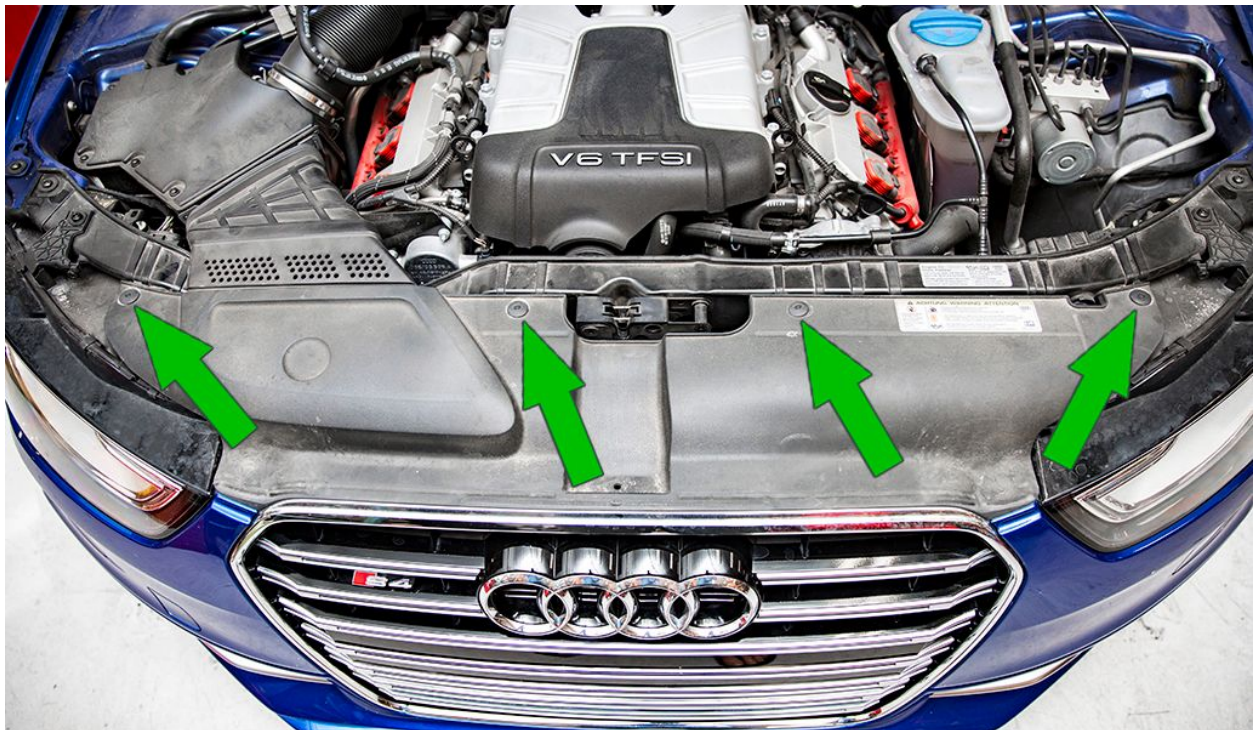


Before you begin, open your IE Cold Air Intake Kit, inspect all components, and verify their quantities.

Park your car on level surface and apply the parking brake. It is also recommended to allow the car to cool before beginning this install procedure.



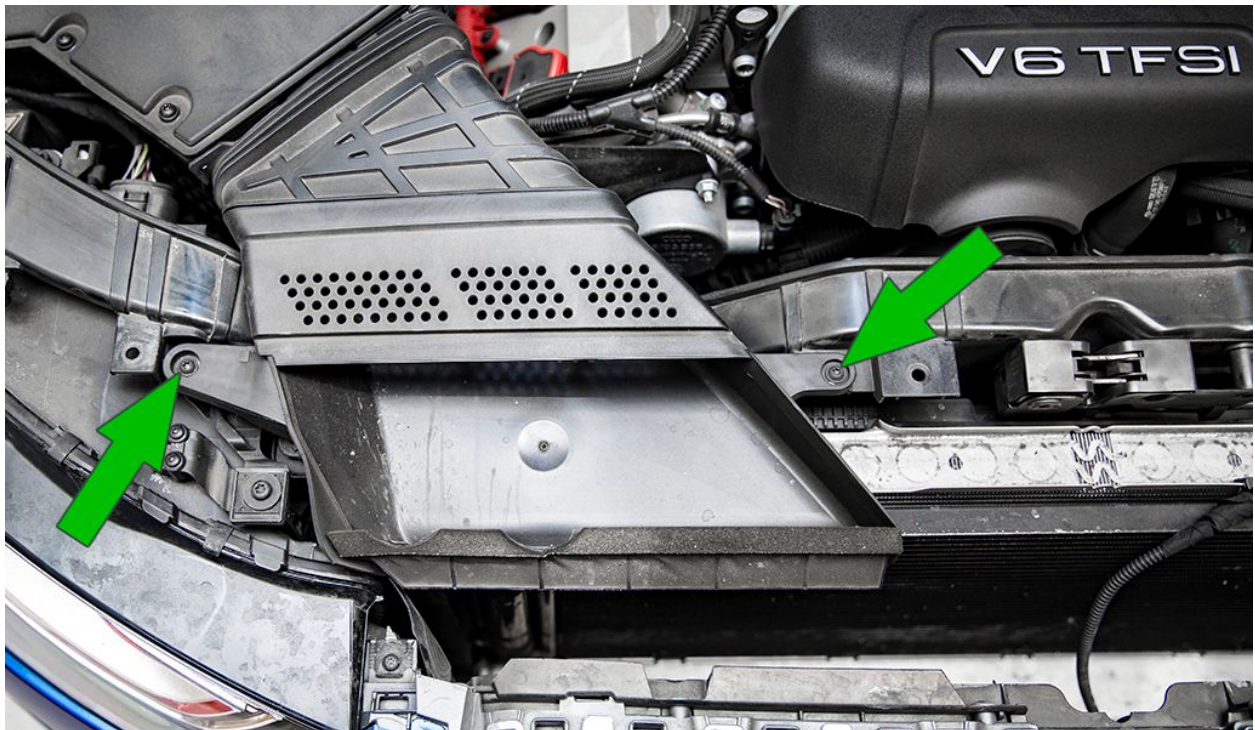
Remove the four push clips from the radiator cowel. Use a small flathead to depress the center pin of the clip, then pull to remove entire clip.



Carefully pull up on the edges of the cowl to release it, remove it from the vehicle and set aside.



Remove the two bolts from the intake snorkel using a T25 torx driver.



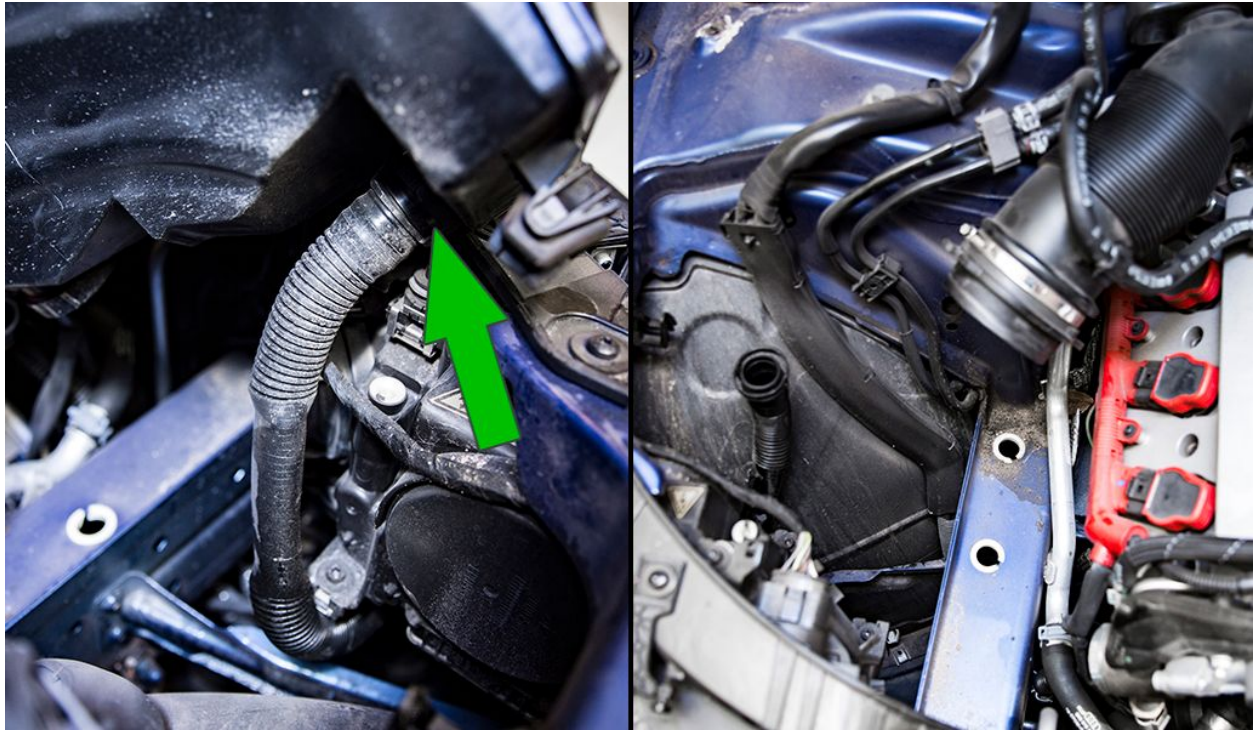
Disconnect the metal retaining clips and separate the inlet pipe from the airbox.



Pull back on the airbox to disconnect it from the fender bracket, then pull up to disconnect the box from the lower grommets. *Do not completely remove the airbox in this step.* **Optional Step:** You may remove the side fender bracket with a T30 torx driver for a cleaner look.



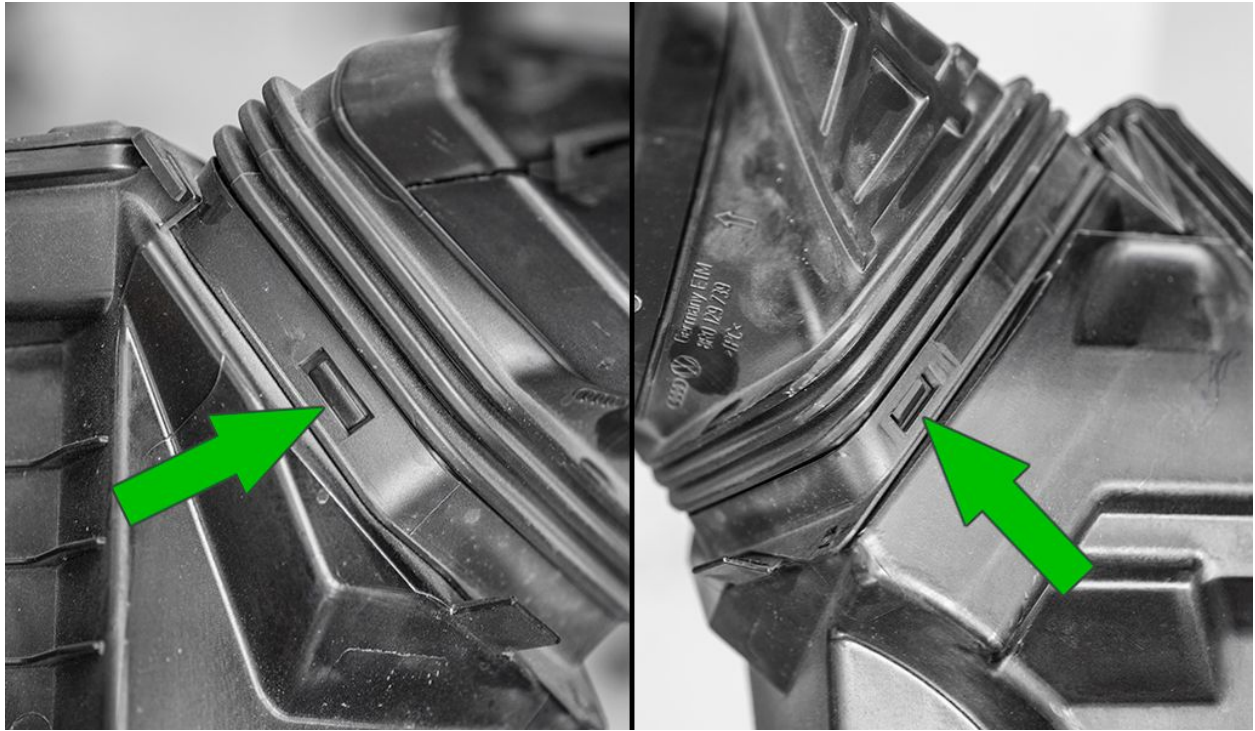
Carefully pull the airbox up and disconnect the SAI (secondary air injection) hose from the underside of the airbox. Remove the airbox completely.



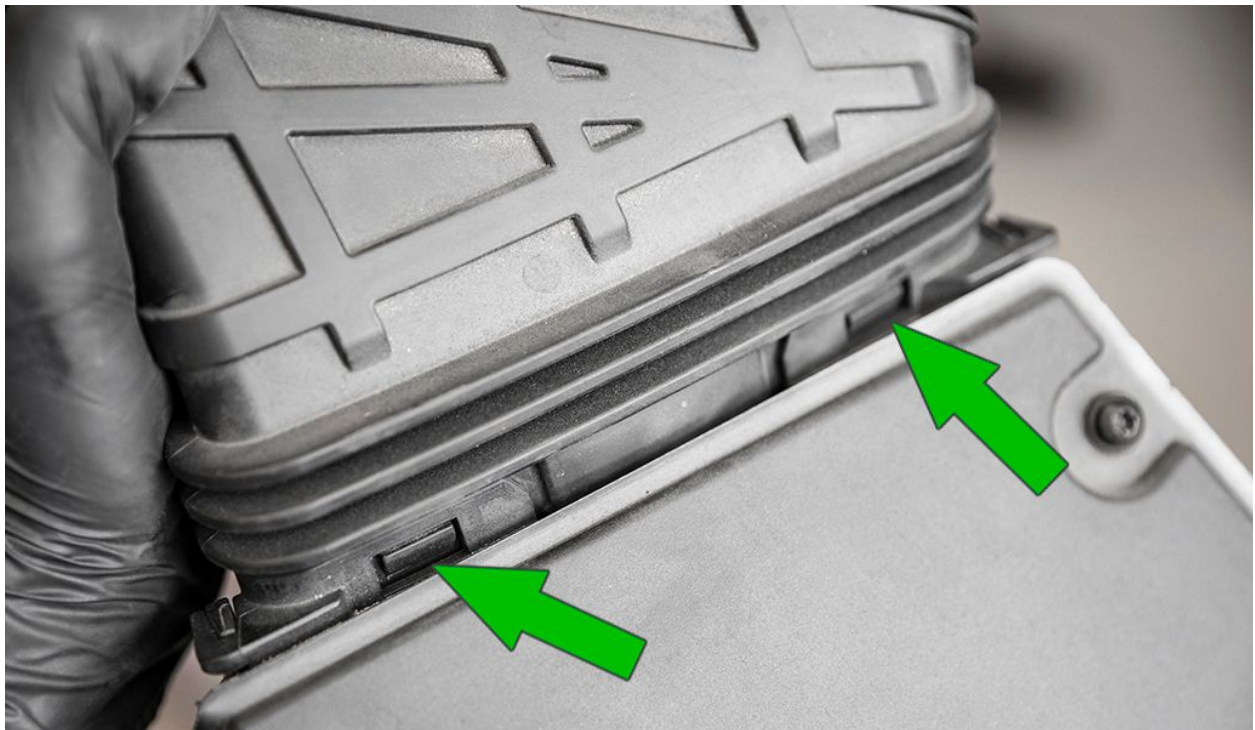
Remove the factory rubber grommets from the stock airbox, set them aside for reinstall. *Note: If you do not see these grommets on the airbox, they may be in the frame rail.*



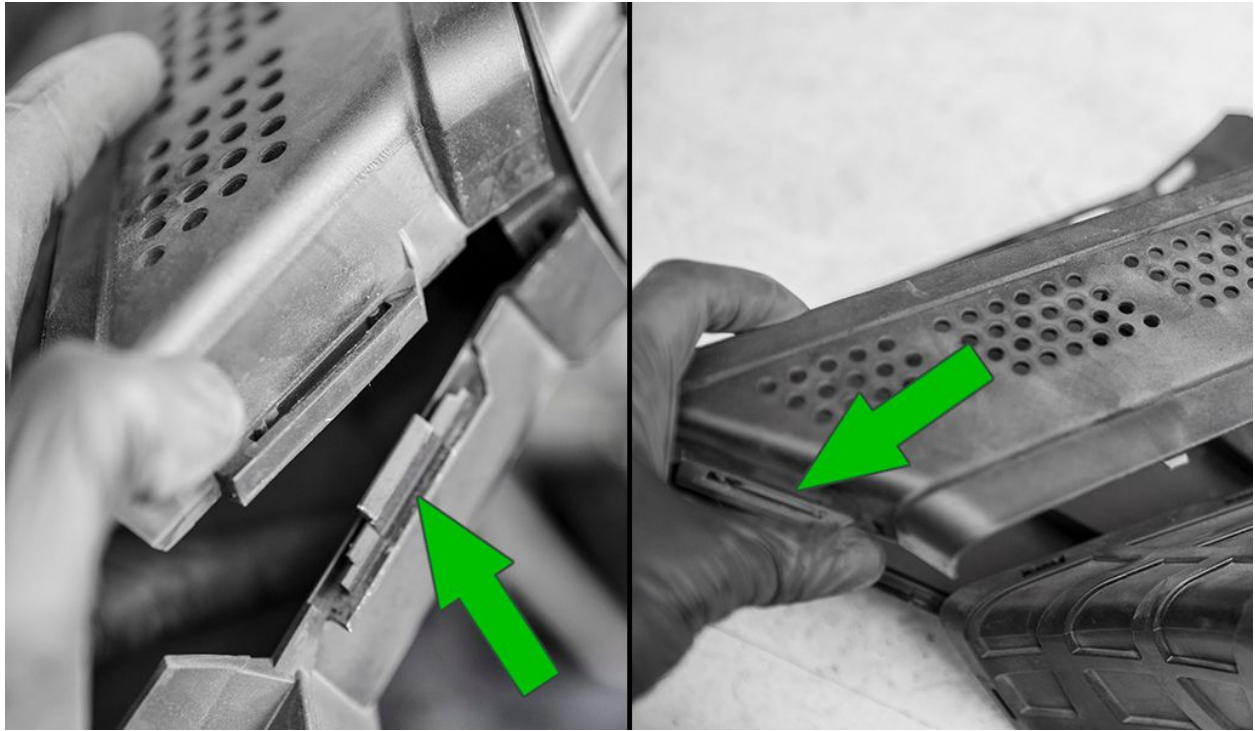
You will need to remove the factory snorkel from the stock airbox for reinstall, begin by disconnecting the clips on both sides of the snorkel.



Depress the two clips on the top-side of the snorkel, this will completely disconnect the snorkel assembly from the airbox..



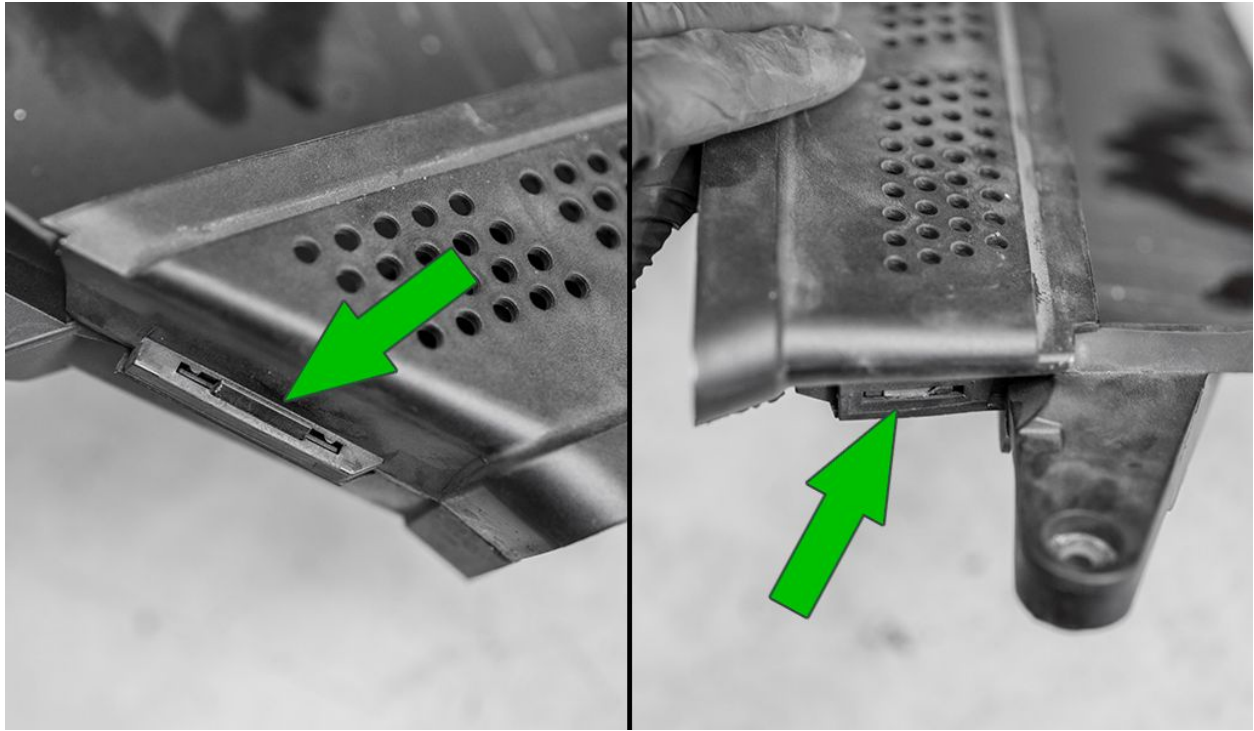
The snorkel joint connecting it to the airbox now needs to be removed. Depress the clips on both sides of the snorkel then separate the halves.



With the halves separated, remove the snorkel joint.



Reassemble the snorkel without the joint by lining up the halves and snapping in the clips. Set aside for reassembly.



Pull up on the hose clip to release the fuel line from the intake pipe, safely set fuel line outside the clip.



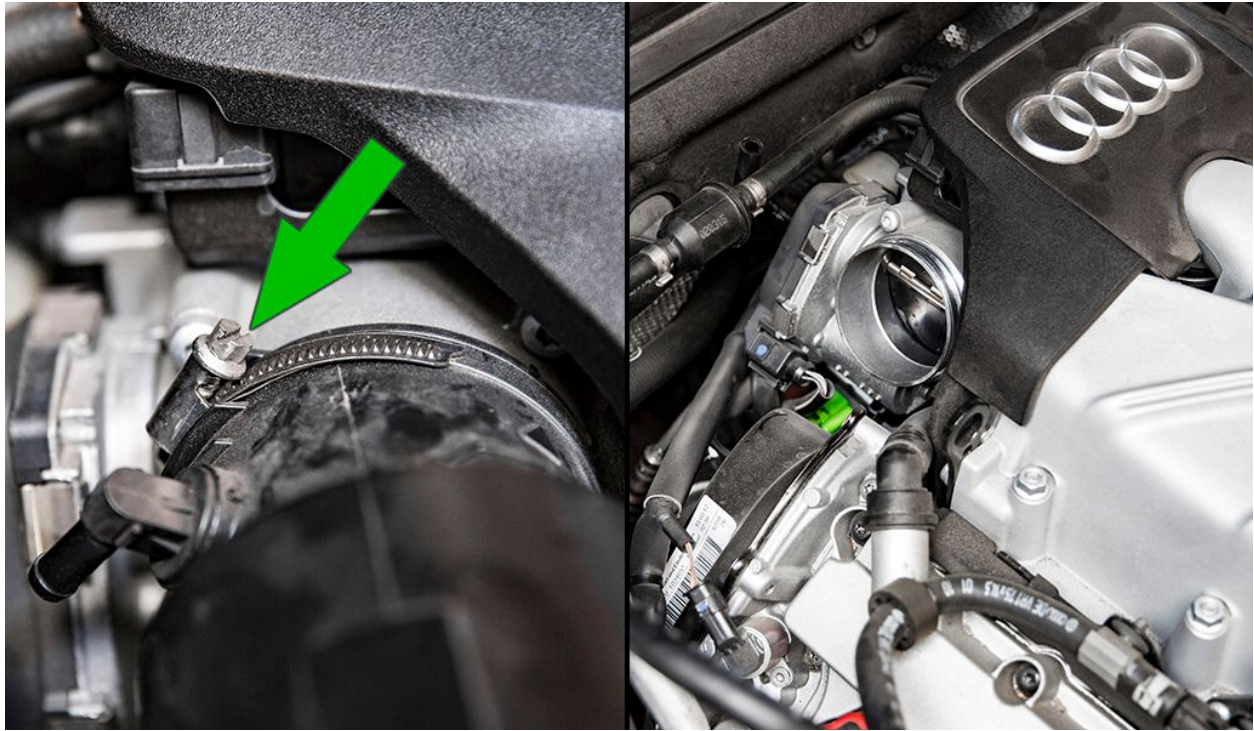
Carefully pull to release the EVAP line from the rear of the intake pipe.



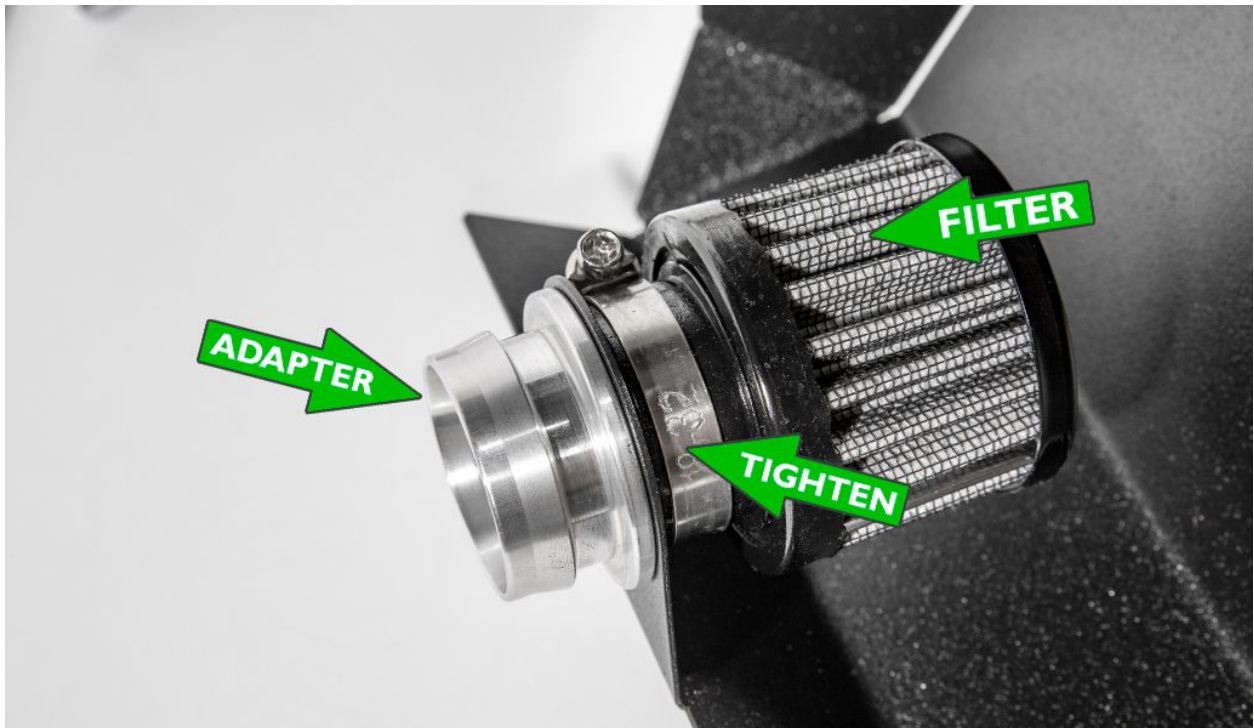
Disconnect the vacuum line from the intake pipe by carefully pulling it off the barb fitting.



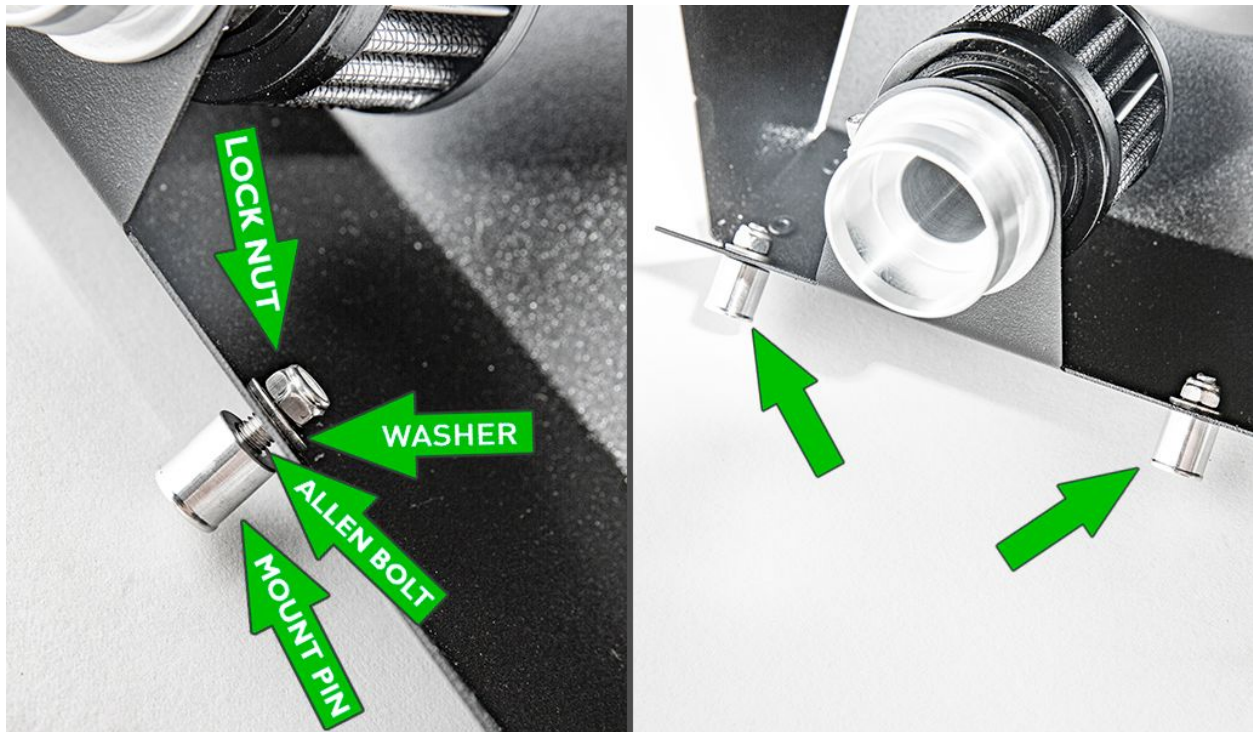
Using a flat head screwdriver, loosen the hose clamp and remove the stock intake pipe from the vehicle.



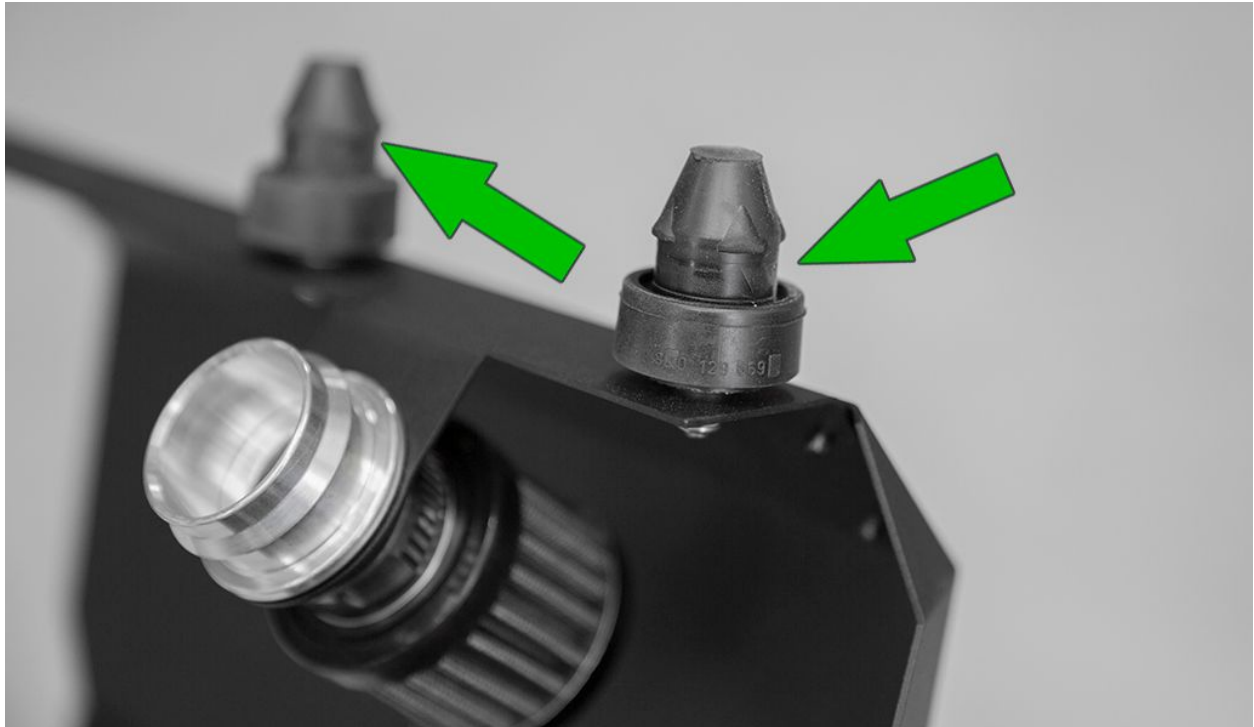
Insert the SAI adapter into the SAI bracket on the heatshield. Install the SAI filter and clamp onto the adapter, sandwiching the bracket then tighten the clamp with a screwdriver. The filter should be sitting facing the heat shield when installed.



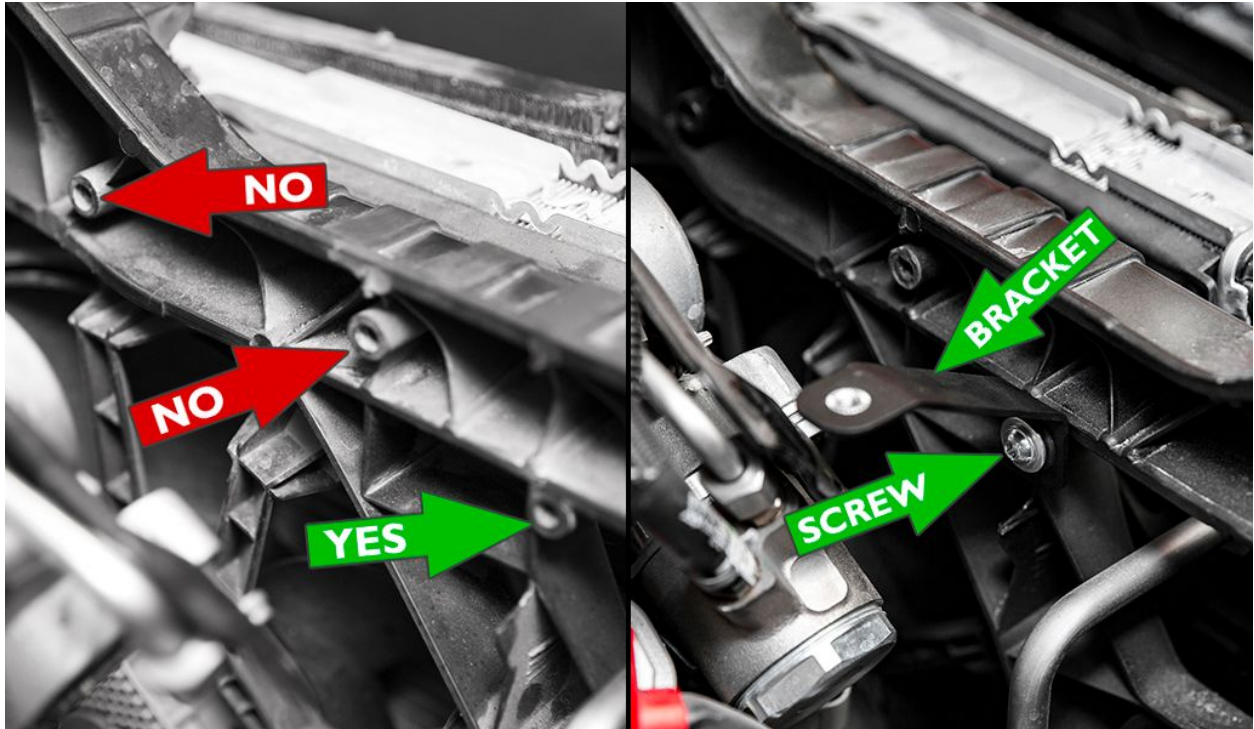
Using a 4mm allen and 8mm wrench, assemble the grommet mount pins to the IE heat shield using the included M5 allen bolts, washers, and locknuts as seen below.



Install the factory grommets onto the IE mount pins.



Install the heat shield mount bracket to the front radiator support with the supplied screw using a T30 torx driver. Locate the correct install location using the photo below.



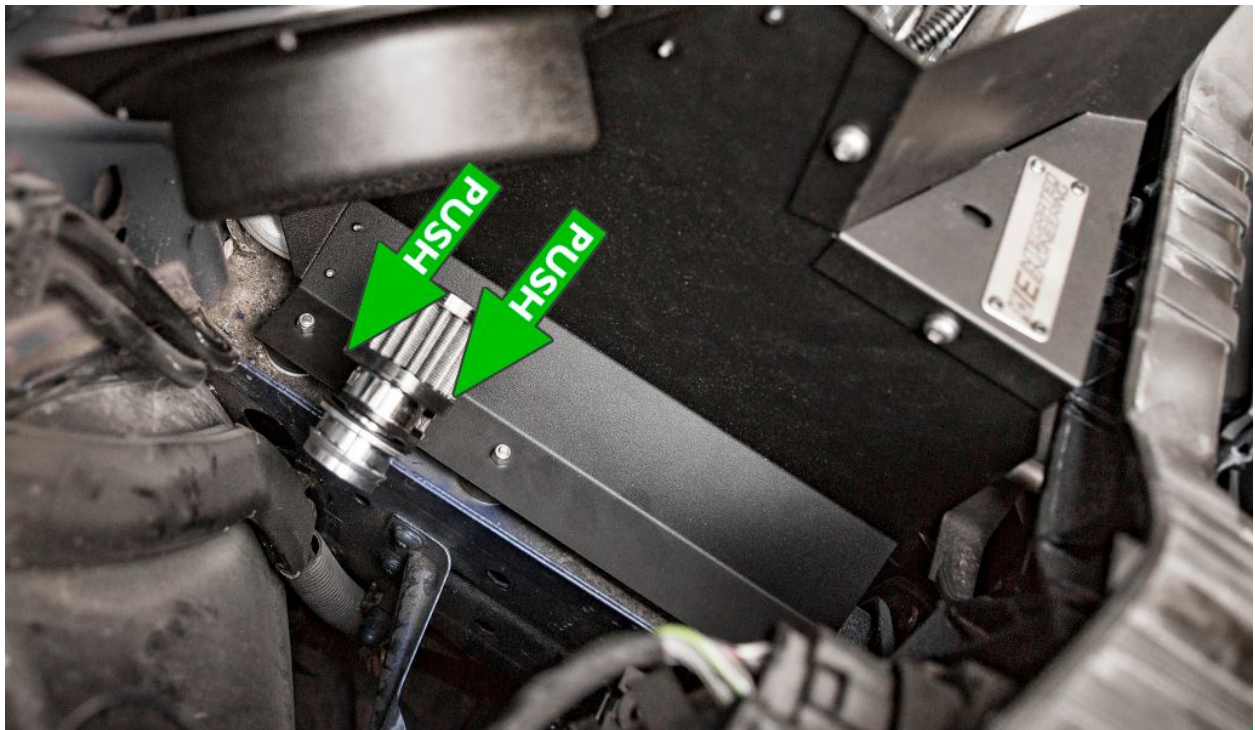
Install the new IE intake hose to the throttle body with the supplied 70-90mm and 80-100mm hose clamps. *Do not tighten hose clamp in this step.*



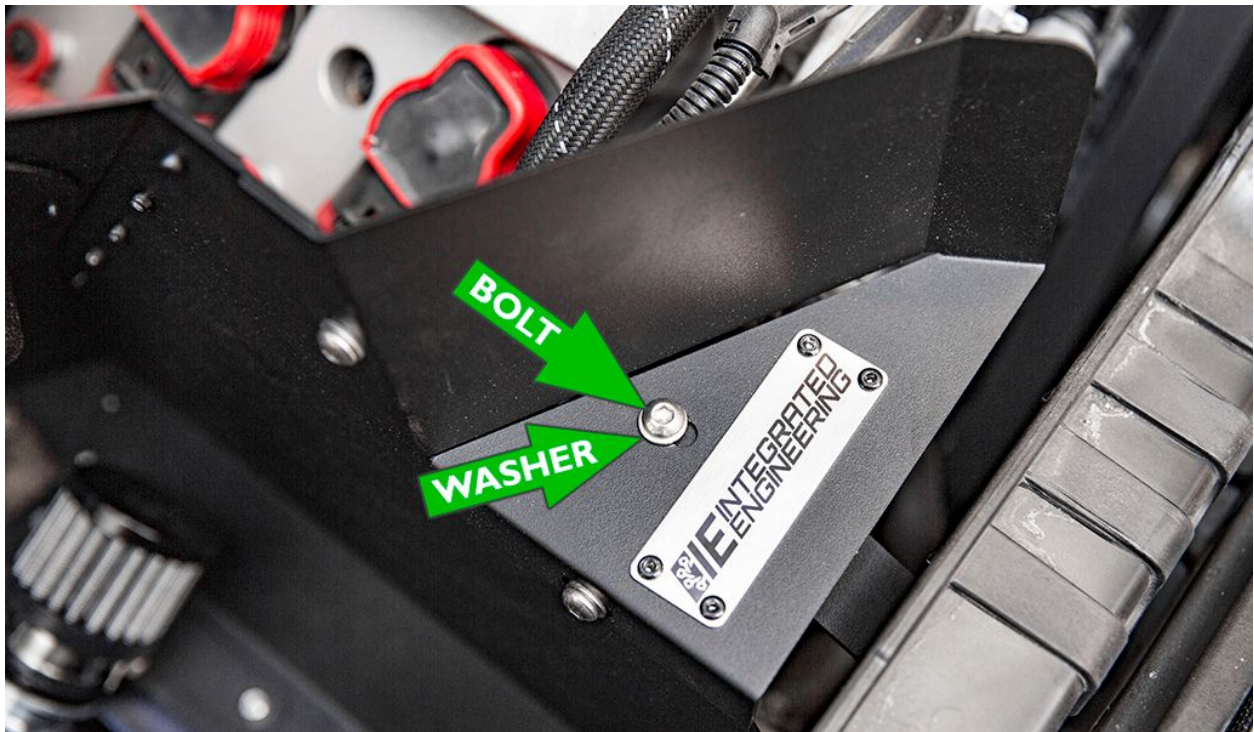
Loosely install the 80-100mm clamps and velocity stack silicone to the velocity stack on the heatshield. *Do not tighten hose clamps in this step.*



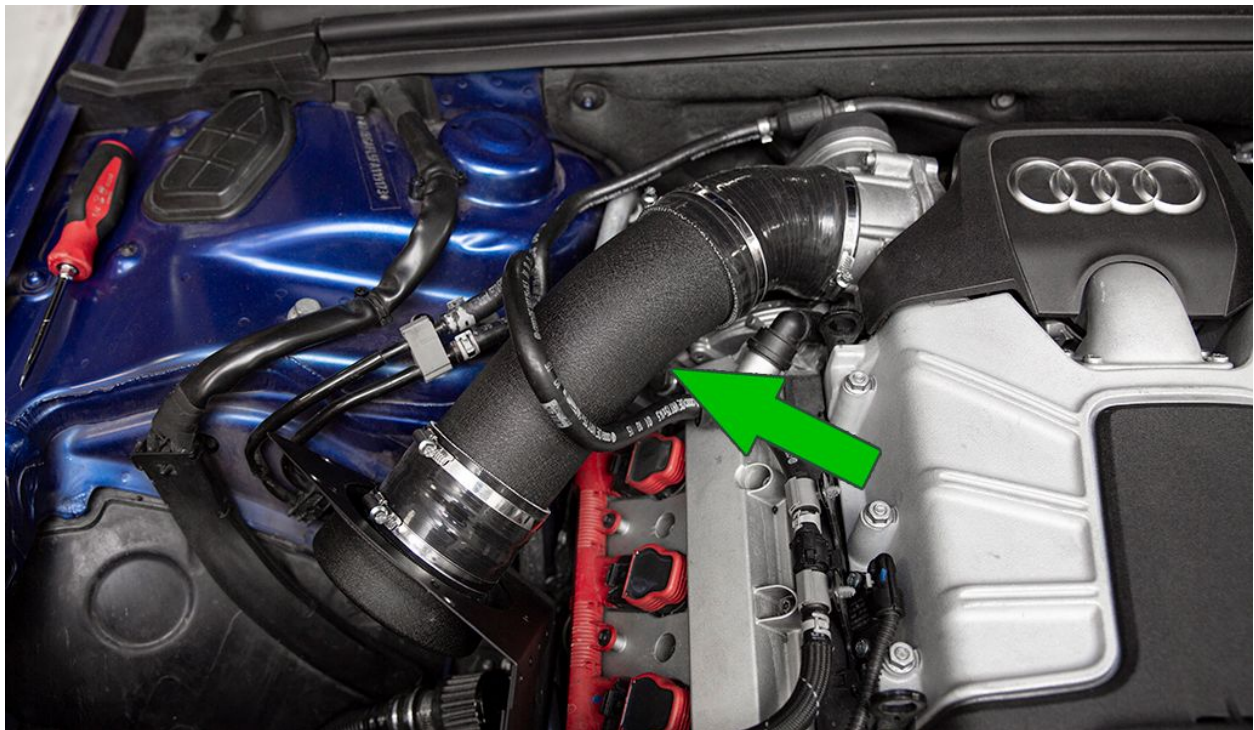
Line up the heat shield and grommets with the install location on the frame rail. Push down on the heat shield and lock in the grommets.



Align the heat shield with the installed IE support bracket, and install using the included M6 allen head bolt and washer with a 4mm allen wrench.



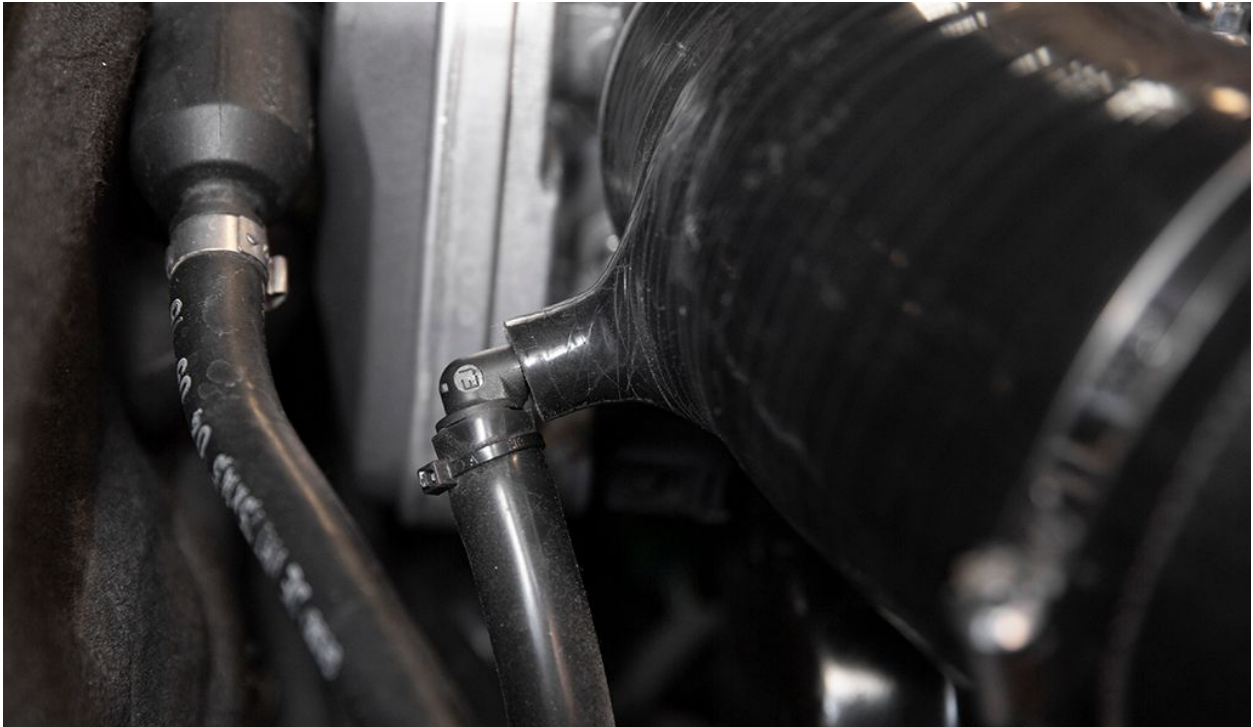
Install the inlet pipe with the bend near the throttle body side. Adjust inlet and silicone positions as needed, make sure nothing is pulling or bound and that it sits freely and without tension.



Once you are happy with the intake position, firmly tighten all hose clamps with a screwdriver. *Do not over-tighten hose clamps.*



Push to install the factory vacuum line to the new IE inlet silicone. Secure with a zip tie.



Connect factory SAI hose to the IE SAI adapter.



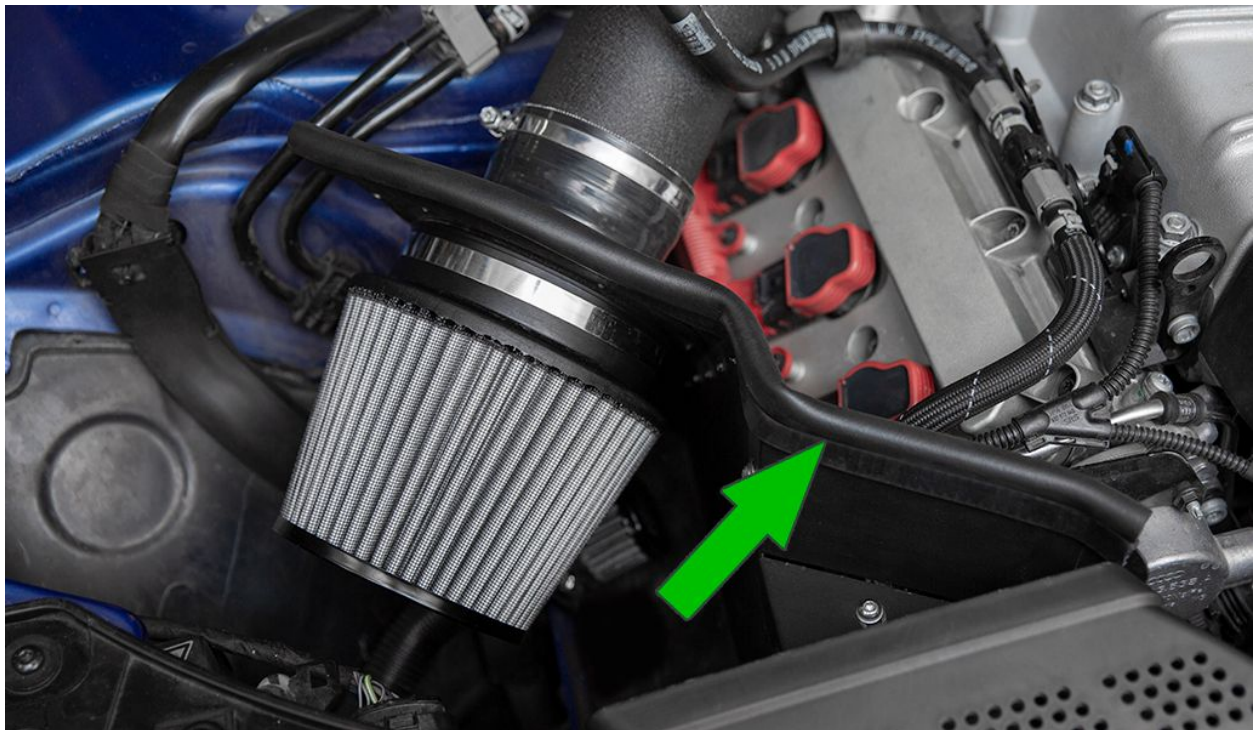
Install the air filter and clamp onto velocity stack. For maximum horsepower output, make sure the IE logo on the filter is positioned into a legible position before tightening the hose clamp.



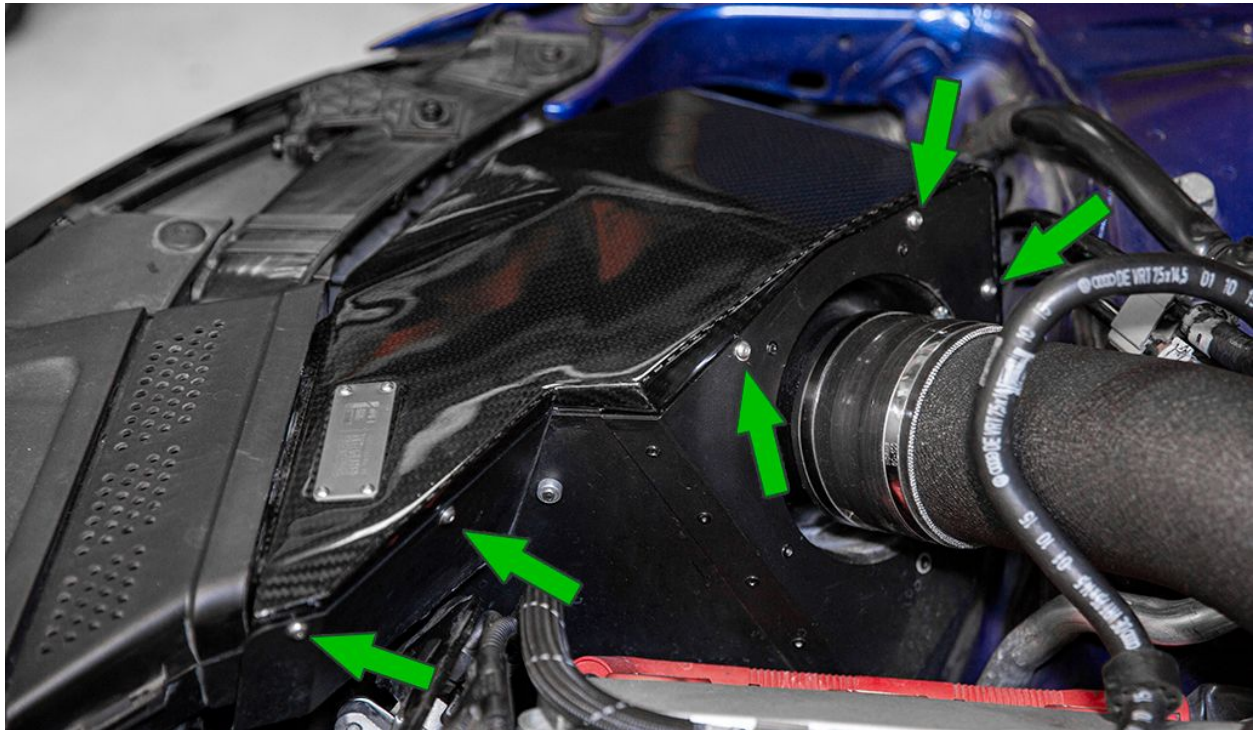
Re-install the air snorkel using a T25 torx driver and factory bolts.



If you did not purchase the CF lid, Install the trim seal at one end of the heat shield and push down firmly on the seal to lock it into place around the edge. *If you did purchase the CF lid, do not install trim and skip to the next step.*



To install CF lid, line-up the lid with the heatshield mount holes. By hand, thread in the supplied button head bolts and washers starting from the outside edges and working in. Once all bolts are threaded loosely by hand, tighten firmly with a 2.5mm allen. *Do not overtighten bolts!*



Re-install the radiator cowl and push clips. Verify all hose clamp connections are tight, and that your intake is fully installed. Start the car and inspect for any leaks or rubbing components.



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