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Integrated Engineering Audi B8/B8.5 S4 & S5 3.0T Throttle Body Upgrade Kit Install IE Part Number: IEINCG3

Thank you for purchasing another high-quality Integrated Engineering product! This instruction guide is used for installation of Integrated Engineering's Throttle Body Upgrade Kit for Audi B8 & B8.5 S4 or S5 with 3.0T Supercharged engines. Integrated Engineering is not responsible for any damage caused by incorrect installation.

Important notes:

IE's Throttle body upgrade kit requires an IE Cold Air Intake and matching IE throttle body software to complete the install. Installation without these products will require custom work to match other aftermarket intakes and custom tuning. If you are not running IE's intake or software, support is not available for this product.

Upgrading your tune will require additional credits, make sure you have purchased the required amount of credits and that they are applied before installing the throttle body upgrade. Do not attempt to start or drive the vehicle without the Throttle Upgrade software loaded to the vehicle.

Throttle Body Upgrade Kit Contents:

- (1) 80mm throttle body
- (1) Throttle body adapter casting
- (1) 80mm intake inlet hose
- (1) Throttle body conversion harness
- (1) Small 70mm throttle body gasket
- (1) Large 80mm throttle body gasket
- (4) M6 short allen head bolts (18mm length)
- (4) M6 long allen head bolts (50mm length)
- (1) 80-100mm worm clamp
- (1) Silicone vacuum hose extension
- (1) Straight plastic barb fitting
- (1) 90 degree plastic barb fitting
- (3) Black cable ties

Required Tools:

- Phillips screwdriver
- 5mm ball end allen (*Ball end is a must*)
- T25 torx driver

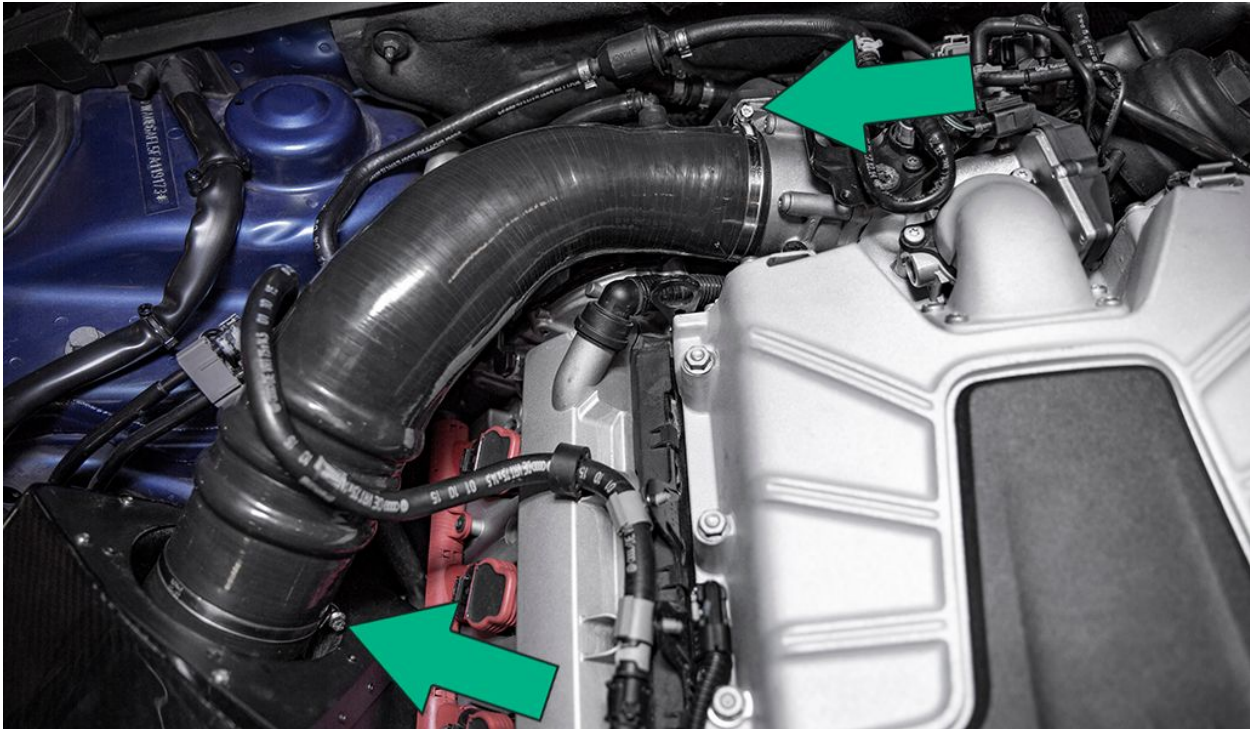
Before you begin, open your Throttle Body Upgrade Kit, inspect all components, and verify quantities. Park your car on a level surface and apply the parking brake. It is also recommended to allow the car to cool before beginning this install procedure.



Carefully pull up on the corners to release the clips and remove the rear engine cover plastic. (If you want to reinstall this part with the new throttle body, it will require custom modification.)



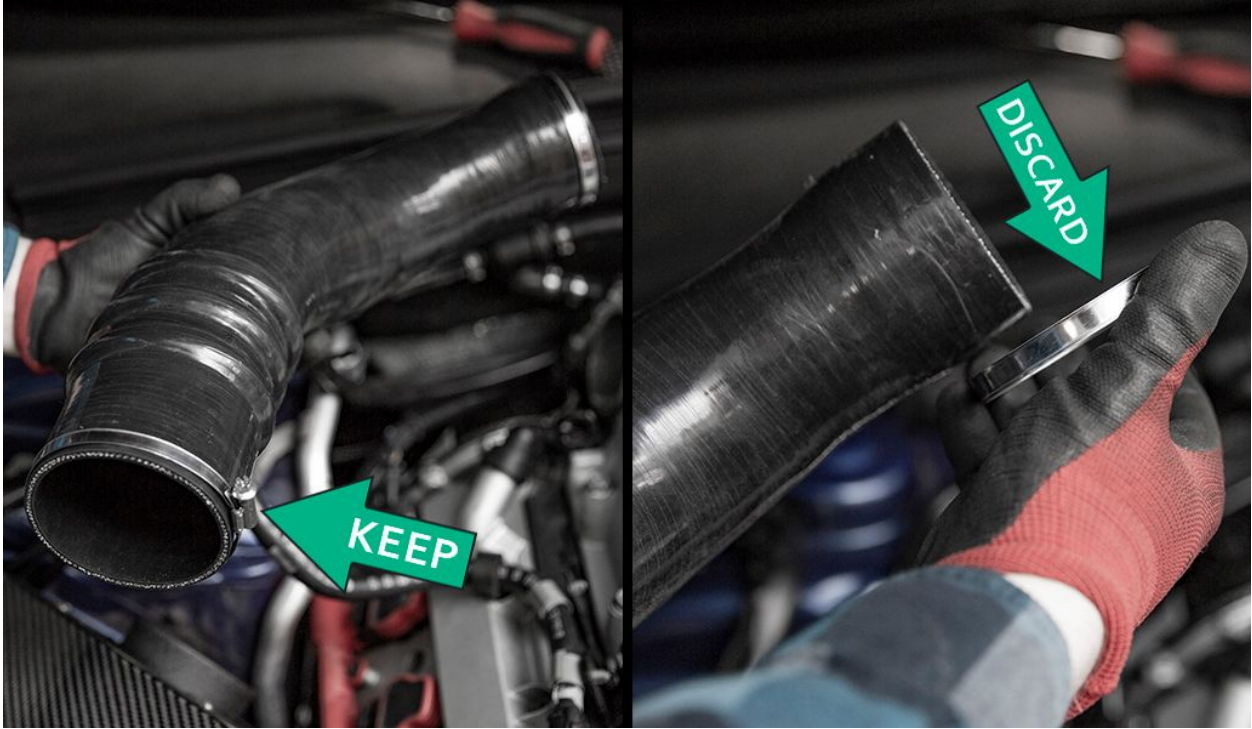
Using a phillips screwdriver, loosen both hose clamps from the IE Cold Air Intake Inlet Silicone.



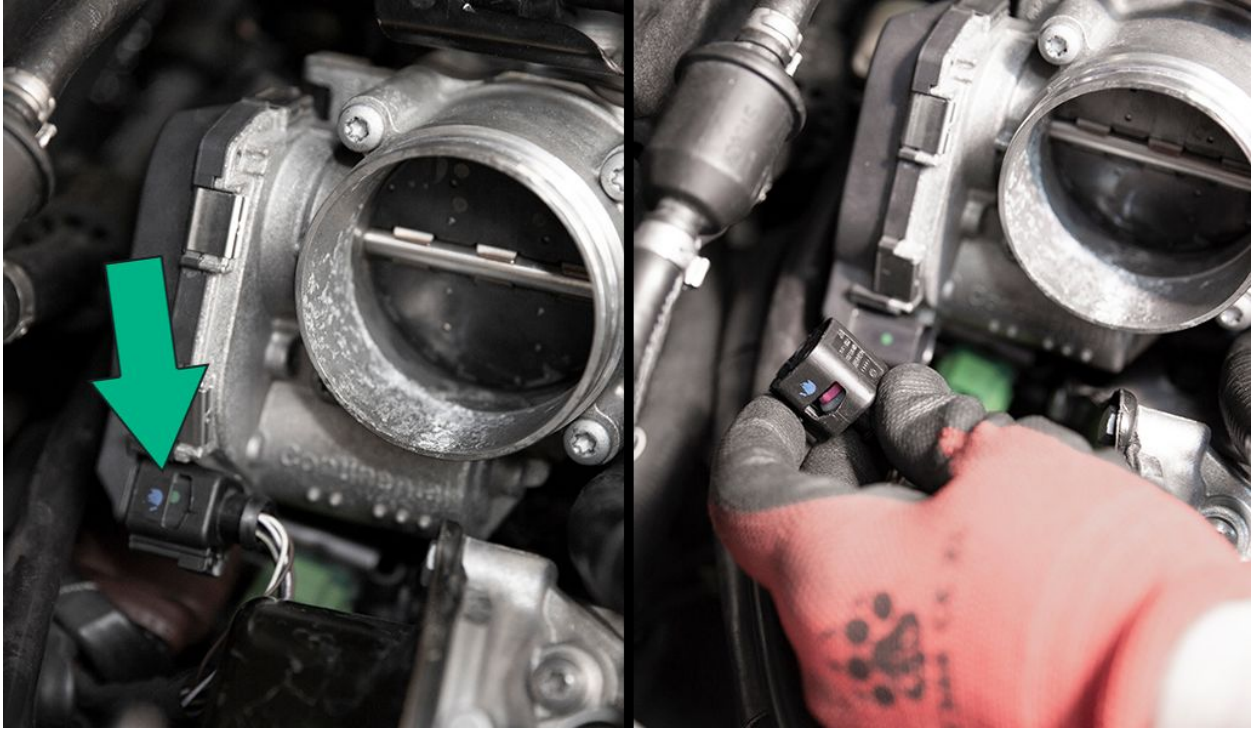
Remove the factory breather line from the 90-degree hose barb in the intake inlet silicone, and remove the inlet from the vehicle.



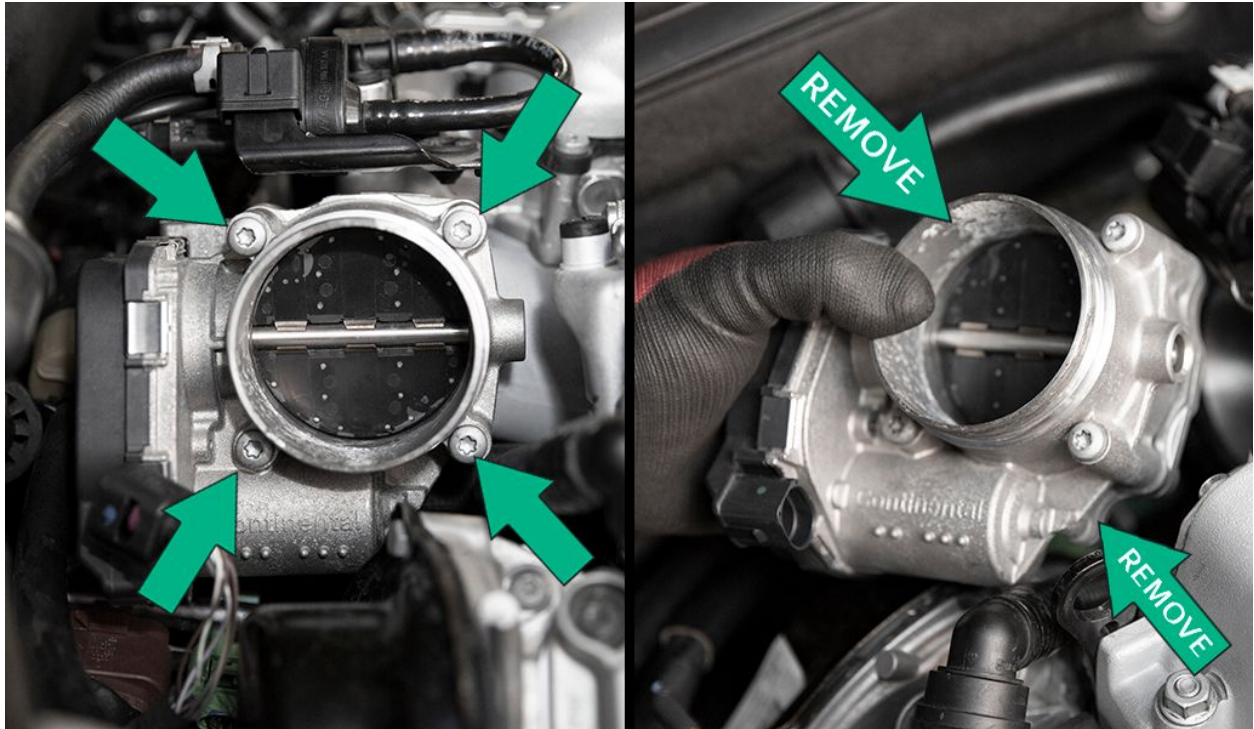
Keep the larger work clamp on the intake side of the intake inlet for re-installation of the new inlet. You will not need the smaller clamp on the throttle body side.



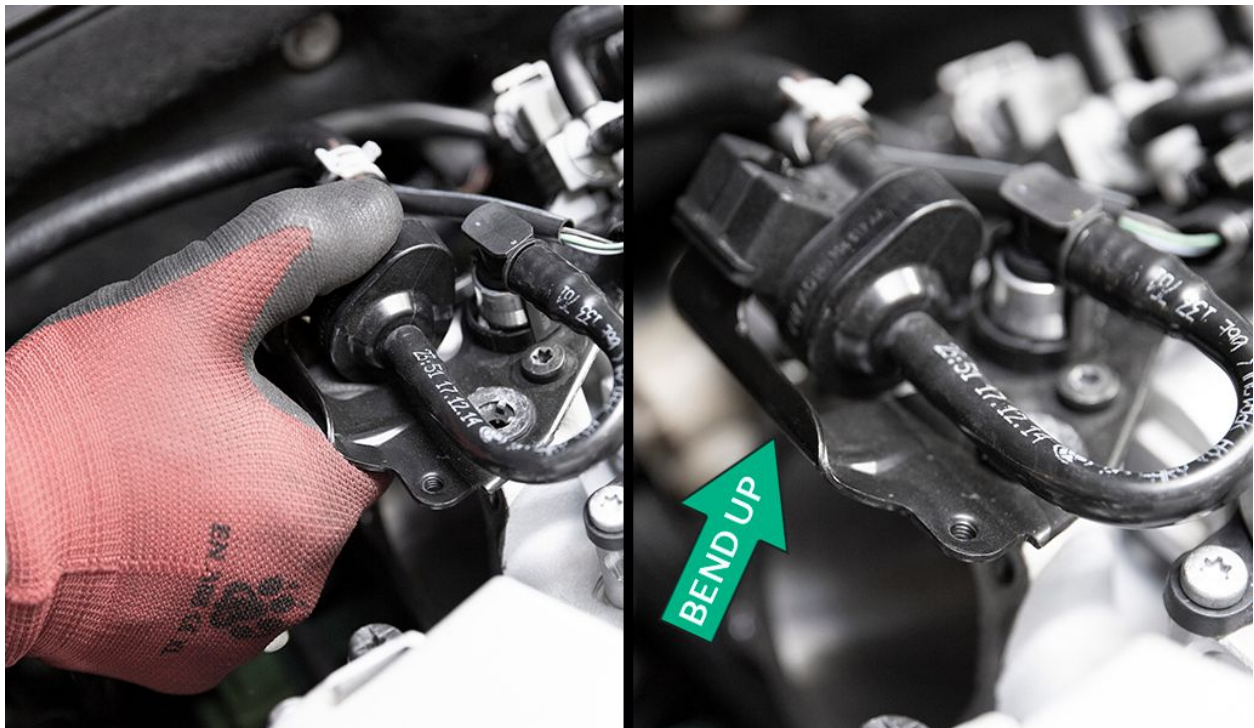
Carefully disconnect the harness clip from the throttle body.



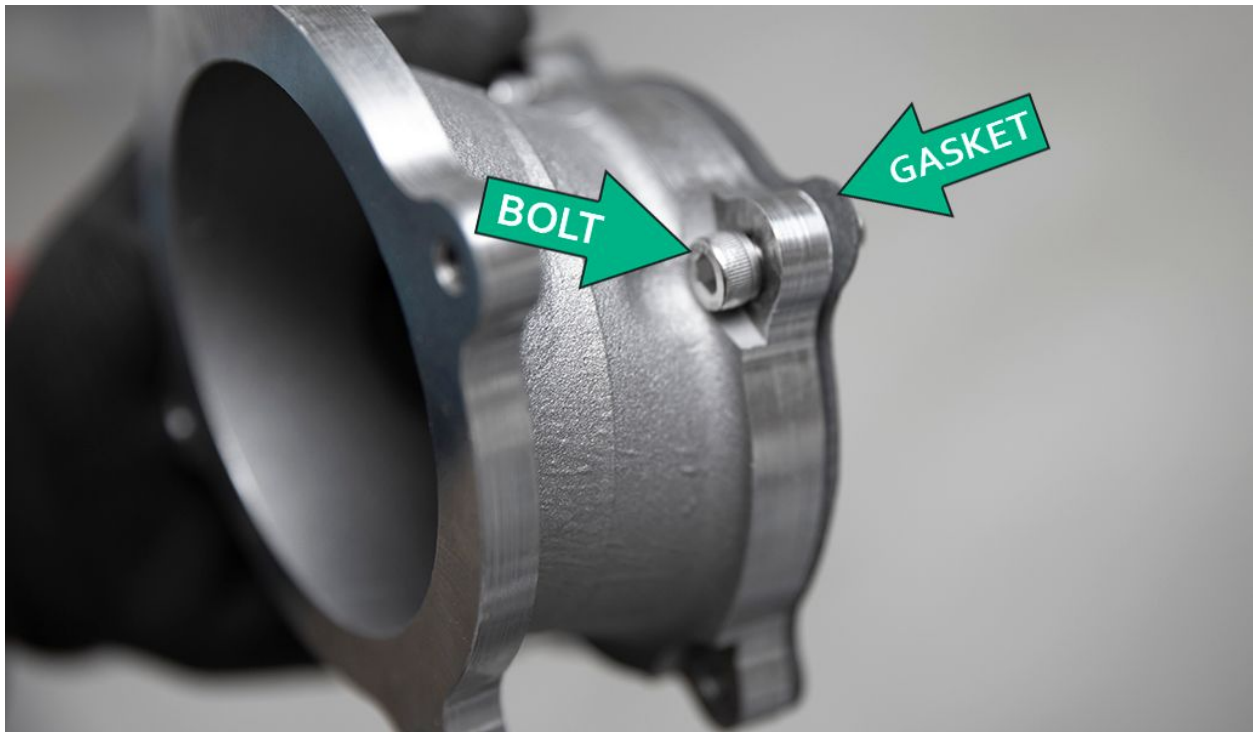
Using a T25 Torx driver, loosen all 4 throttle body bolts and remove both the throttle body and the factory throttle body spacer behind it.



Your new throttle body setup will be much larger, to accommodate the increase in size you will need to bend up the purge valve bracket located above the throttle body location. This is a soft metal and can be done by hand.



Place two provided short (18mm) allen bolts into the top of the IE throttle body adapter with the new 70mm gasket.



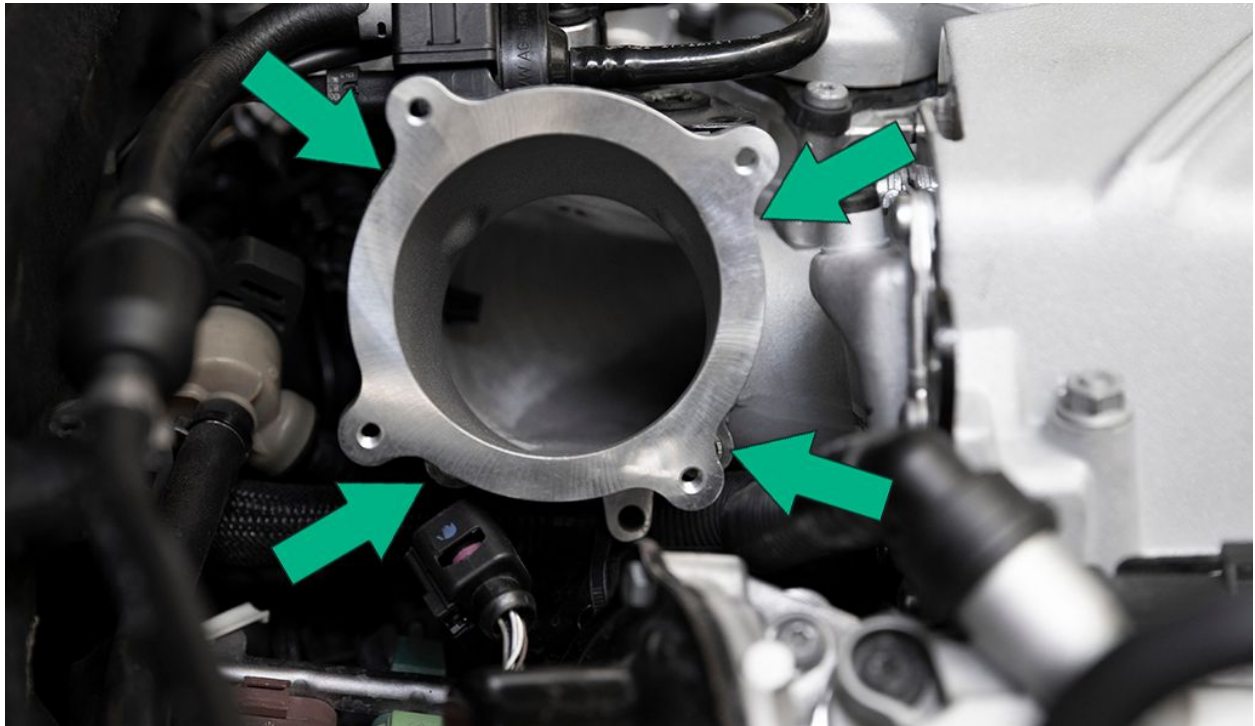
Align the gasket and throttle body into place and hand tighten both topside bolts with a 5mm ball end allen. *(The ball end allen is absolutely required for easier installation of the throttle adapter bolts.)*



PRO TIP: *The lower bolts are very difficult to install without dropping the bolts deep into your engine bay. By tearing a small square of plastic off your IE packaging, you can shove it between the bolt head and ball end allen to keep it on the tool end while you hand thread and tighten the lower bolts.*



Once all bolts are hand tight, tighten all 4 bolts firmly with 5mm ball end allen.



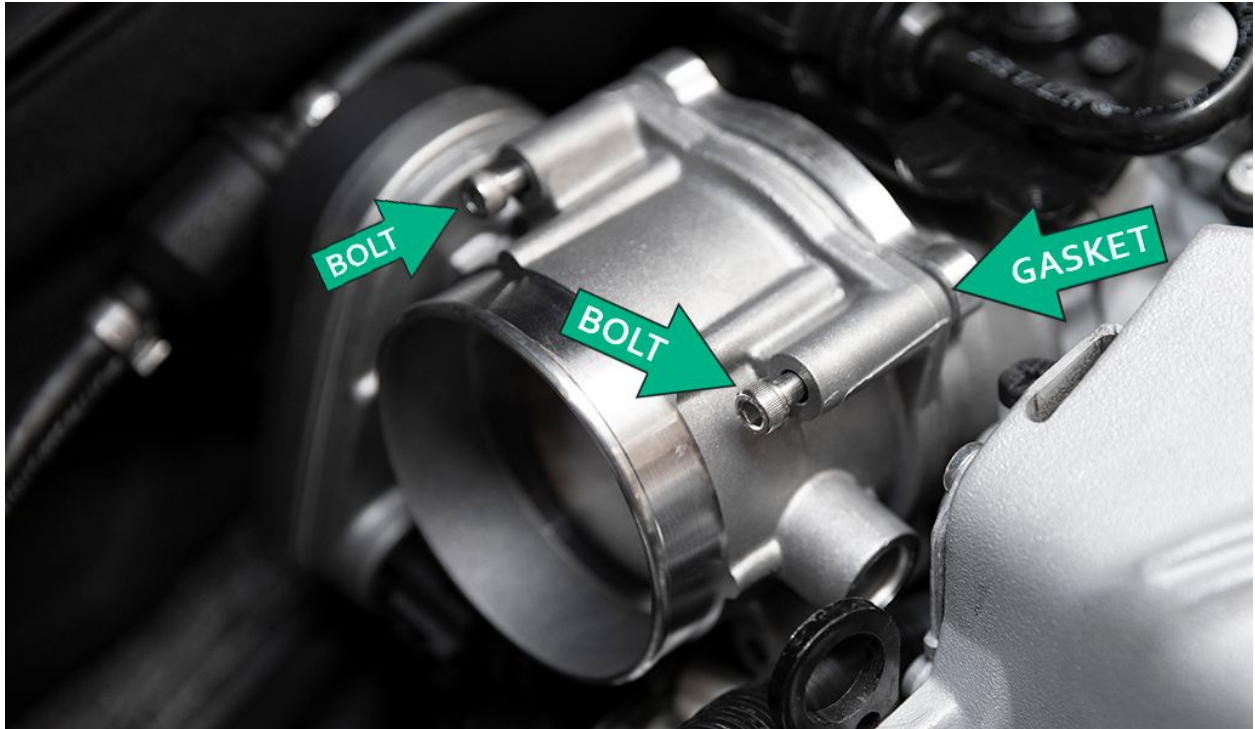
Install the included straight hose barb fitting and silicone vacuum line extension piece into the end of the factory vacuum line. Secure the installed barb fitting with cable ties.



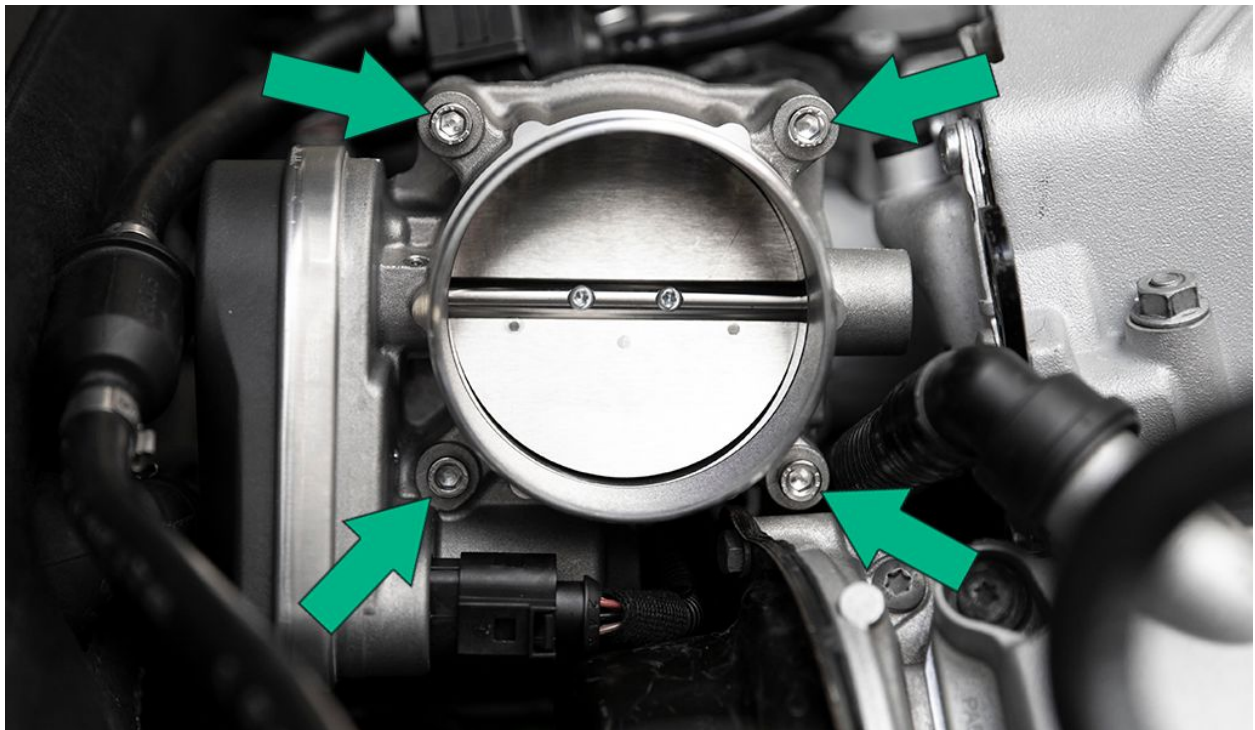
Install the new throttle body conversion harness to the factory throttle body harness clip.



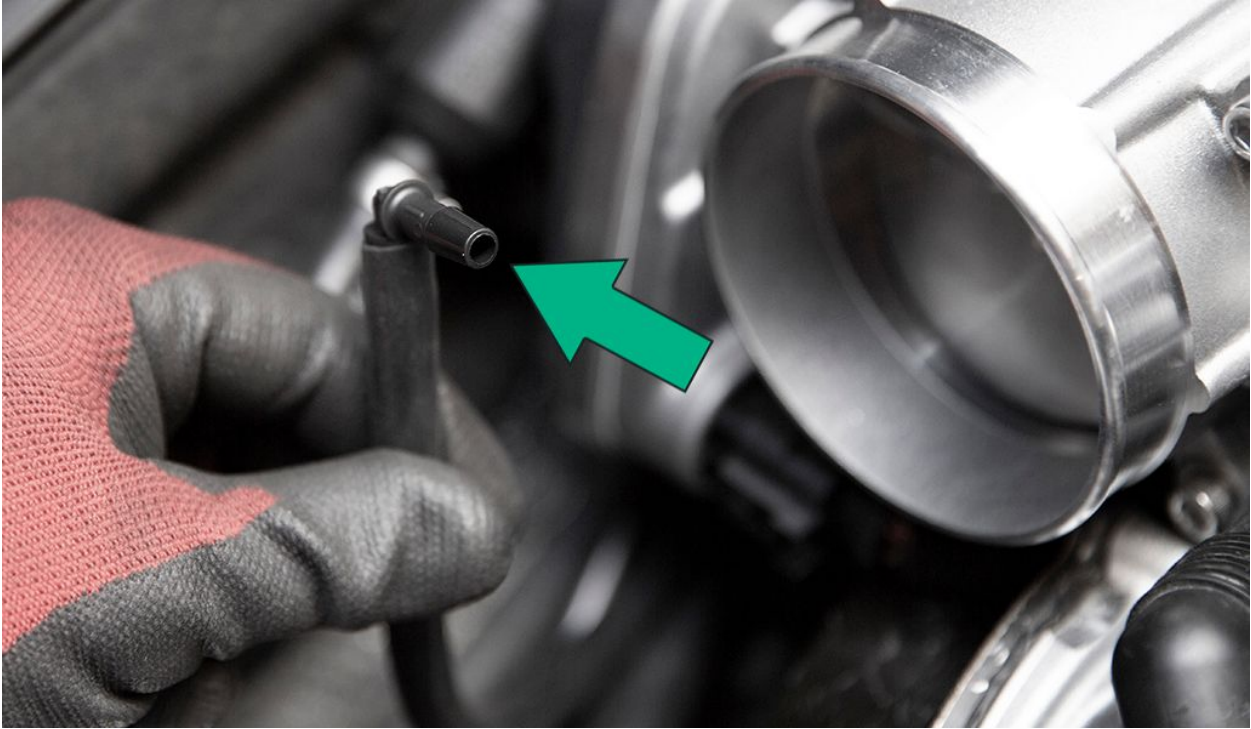
Install the two provided long (50mm) allen bolts into the top of the new throttle body with the new 80mm gasket to the throttle body adapter. Hand tighten bolts with a 5mm allen.



Install the lower two remaining bolts and firmly tighten all 4 bolts with a 5mm allen.



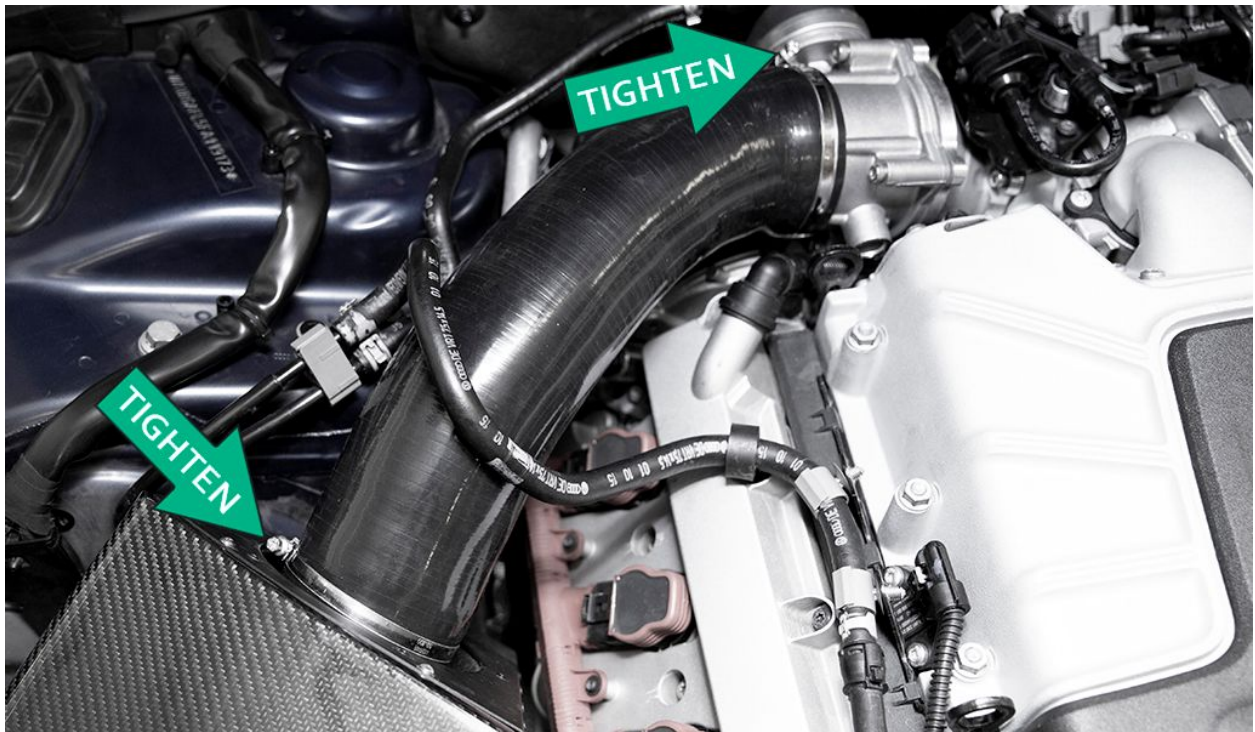
Install the included 90-degree barb fitting to the vacuum silicone extension piece and secure with a cable tie.



Loosely install new and existing 80-100mm worm clamps onto the new silicone intake inlet.



Install the new intake inlet silicone into place adjusting the position of the intake silicone making sure it is not pulling or bound and that it sits freely without tension. Firmly tighten both hose clamps with a phillips screwdriver. **Do not over-tighten clamps.**



Install the 90-degree vacuum barb to the port on the new IE silicone intake inlet.



Plug your IE PowerLINK tune cable into the vehicle OBD II port and launch the IE Flash Wizard software. Follow the prompts to update and flash the ECU with the IE Throttle Upgrade tune.



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. Enjoy the added performance of your new IE Throttle Body Upgrade Kit and matching software tune!



Thank you for purchasing another Integrated Engineering product. We are dedicated to serving your VW/Audi engine and performance needs. Please check our website frequently for new product releases. If you have any questions or concerns about this product please do not hesitate to contact us.

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