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## IE Aluminum Charge Pipe Kit For Audi B9 S4, S5, & SQ5 Install Guide

PART NUMBER: IETPCK6

Thank you for purchasing another high-quality Integrated Engineering product! This installation guide is used for the installation of IE Charge Pipe Kit IETPCK6. Professional or experienced technician installation is recommended and Integrated Engineering is not responsible for any damage caused by incorrect installation.



**IETPCK6 Kit Contents:**

- (1) IETPCK6-1 B9 S4 Charge Pipe Cold Side
- (1) IETPCK6-2 B9 S4 Charge Pipe Hot Side
- (1) B9 S4 Charge Pipe Billet Turbo Adapter
- (1) IETPCK6-5 B9 S4 Charge Pipe Throttle Body Silicone
- (1) IETPCK6-6 B9 S4 Charge Pipe IC Cold Side Silicone
- (1) IETPCK6-7 B9 S4 Charge Pipe Turbo Silicone
- (1) IETPCK6-8 B9 S4 Charge Pipe IC Hot Side Silicone
- (1) IETPCK6-9 Charge Pipe Bracket Spacer
- (1) Button Head M6 x 1 mm Thread, 16mm Long
- (2) Button Head M6 x 1 mm Thread, 20mm Long
- (1) Buna-N O-Ring 3 mm Width, 60 mm ID
- (8) Hose Clamp 2-5/16" to 3-1/4", 59mm-82mm

**Required Tools:**

- 10mm socket
- 16mm socket
- 4mm allen
- Torx 25
- Torx 27
- Torx 30
- Long Torx 30 bit
- #10 triple square
- Philips screwdriver
- Super Glue

IE recommends pre-reading the entire installation guide ahead of your install to both prepare yourself for each step and to make sure you don't have any questions before beginning. If you have any questions or need clarification, please contact our helpful support team specialists at [support@performancebyie.com](mailto:support@performancebyie.com)

Before you begin, park your vehicle in a safe and level location. Allow plenty of time for the engine bay to completely cool before beginning the installation procedure. Unbox your IE B9 S4, S5, & SQ5 Charge Pipe Kit to verify the contents and quantities and check for any possible shipping damage. Prepare your work space and locate the required tools listed above before starting.

***Install Guide was shot on a B9 SQ5. Install will be similar, but some steps may be different on B9 S4/S5***

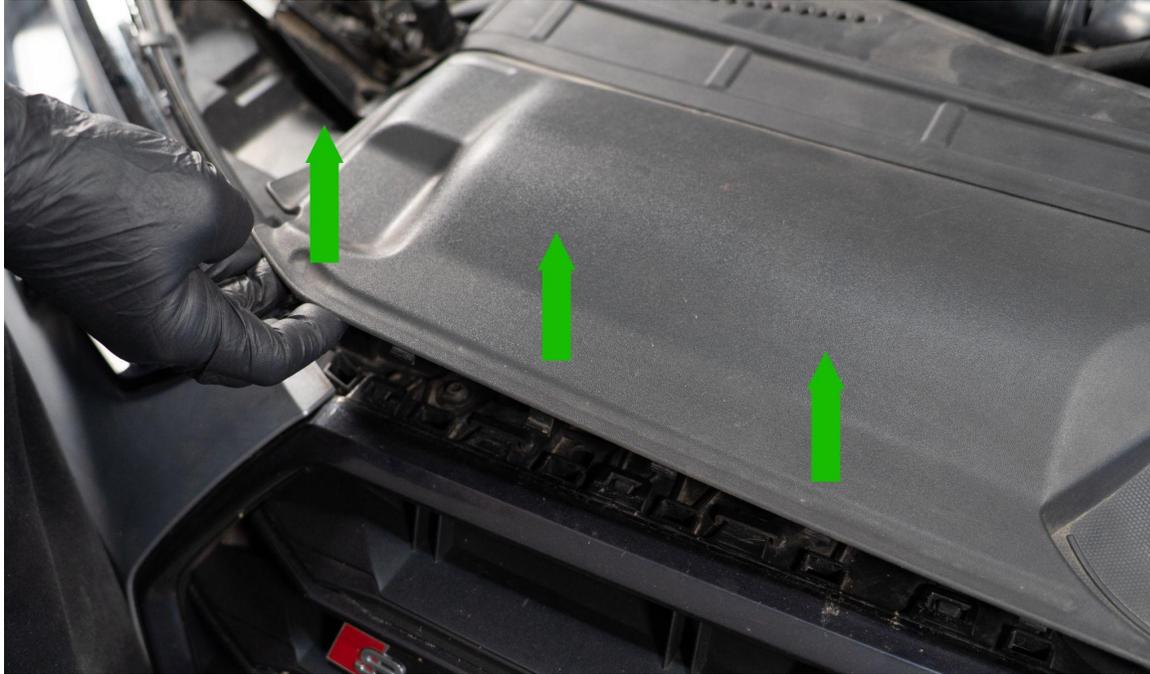
Begin installation by removing the engine cover. Do so by pulling straight up off the 4 mounting grommets located near each corner.



Remove the hood latch lever by pushing the release button on the back of the handle.



Remove plastic radiator cover by pulling straight up on the front edge. Once all front clips have been released, pull straight towards the front of the vehicle to remove.



Remove the two T25 Screws that fasten the intake scoop to the radiator support.



Remove Intake Scoop from Air Box by pulling straight away from Air Box



Loosen the two band clamps around the intake tube with flathead screwdriver



Remove the Intake Inlet Tube from Intake Box and engine bay



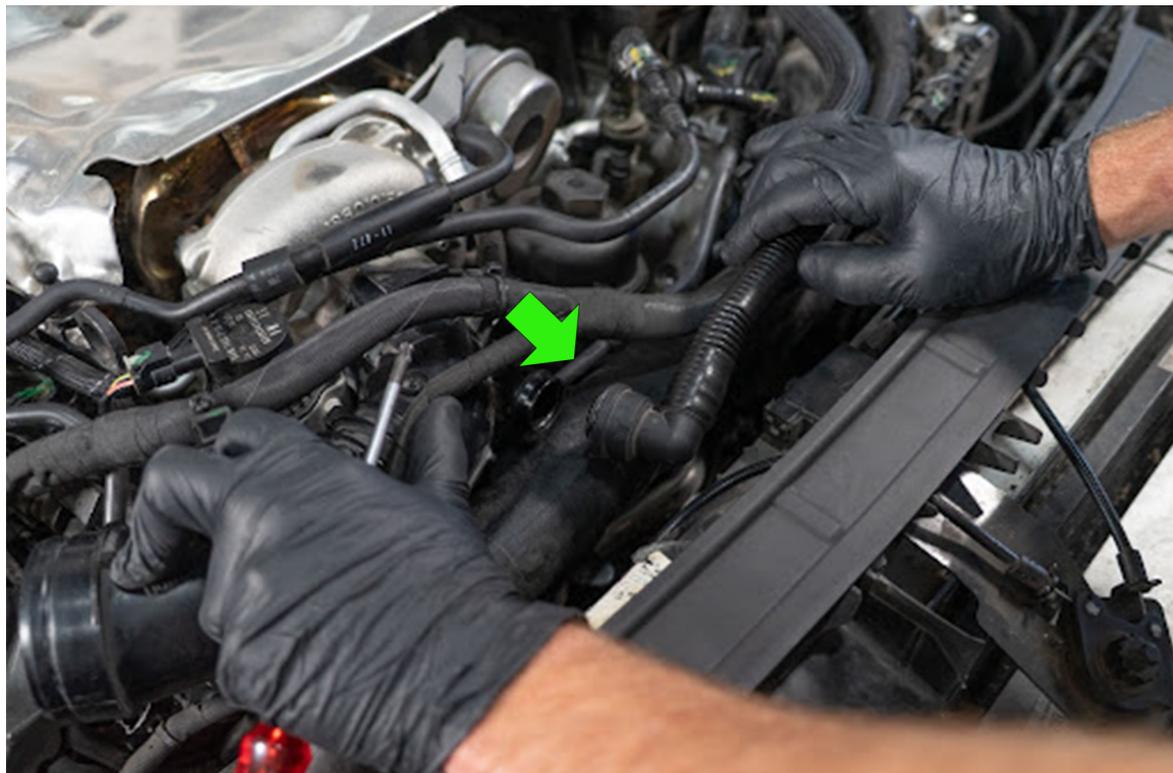
Remove Air Box from the vehicle by pulling straight up from three mounting tabs



To remove the factory turbo inlet, start by removing the wire loom clips by pulling them up off the turbo inlet.



Remove the front breather hose by firmly pulling straight towards the front of the car.



Remove two T30 screws holding on the factory turbo inlet to the turbo



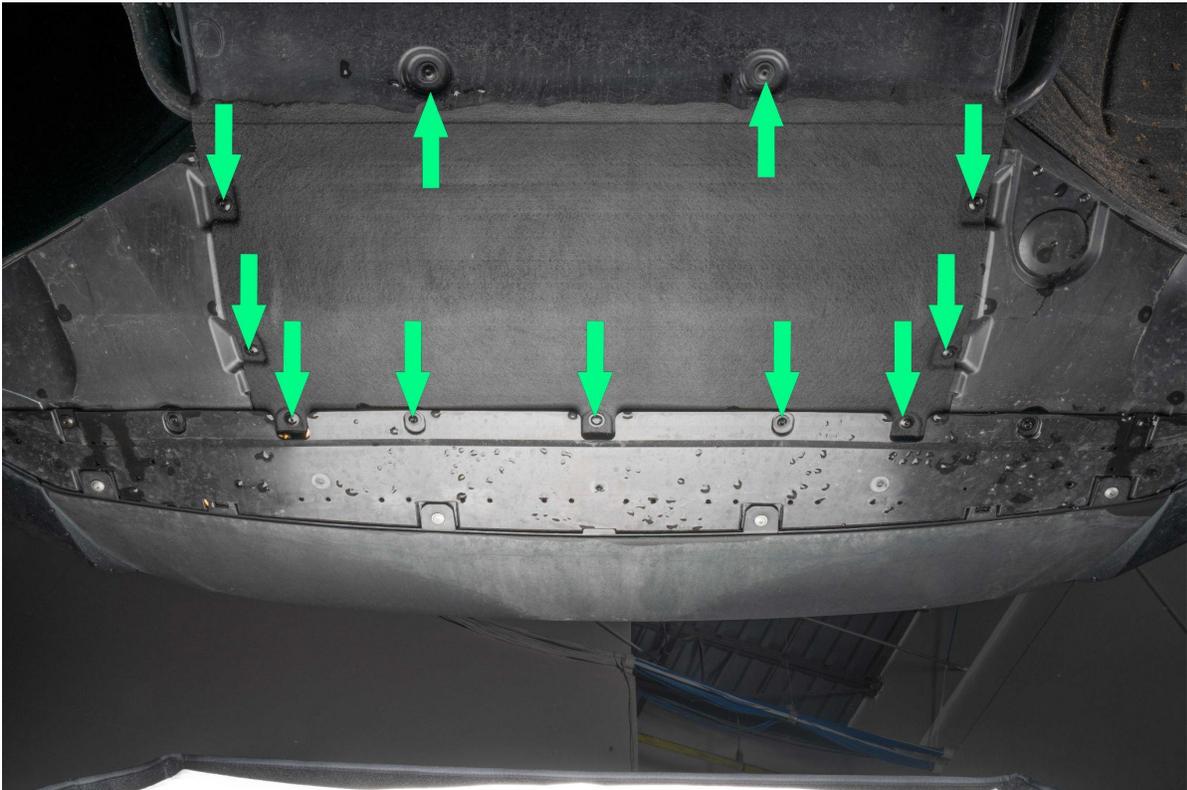
Remove the lower breather hose by pushing both sides of the release tab and pulling down and away from the turbo inlet. You can now remove the factory turbo inlet from the vehicle.



Remove both front wheels using a 17mm socket



Remove twelve labeled T25 screws from front undertray



Remove rear undertray from the vehicle



Remove fender liner to access headlight vent using a torx 25 driver to remove 4 torx 25 screws



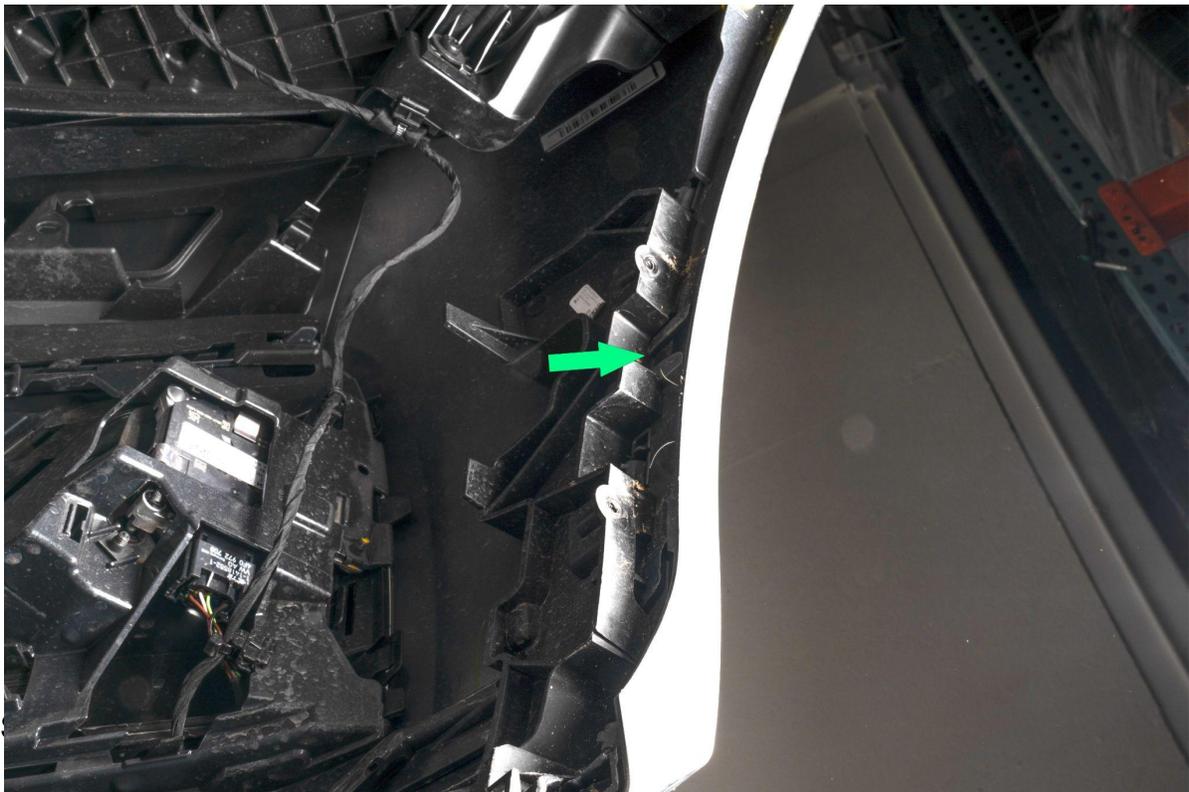
Remove headlight vent from fender liner, and remove fender liner



Remove 3 T25 screws, 6 10mm plastic nuts and 2 push in retainers and remove fender liner



Remove 5 press in retainers from the fender and front bumper starting at the bottom of the wheel well and going up.

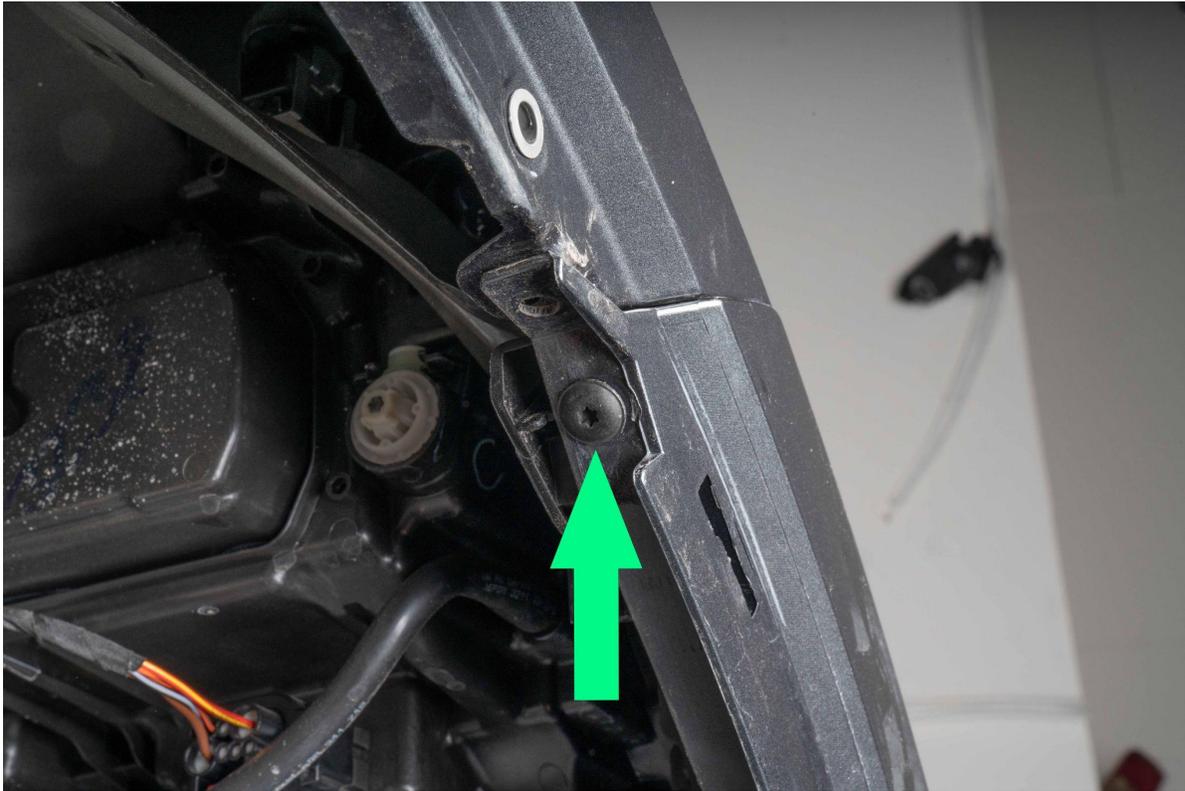




Remove the bumper press in retainer with a trim removal tool, or flat head screwdriver.



Remove one T25 screw from both sides connecting the front bumper and fender.



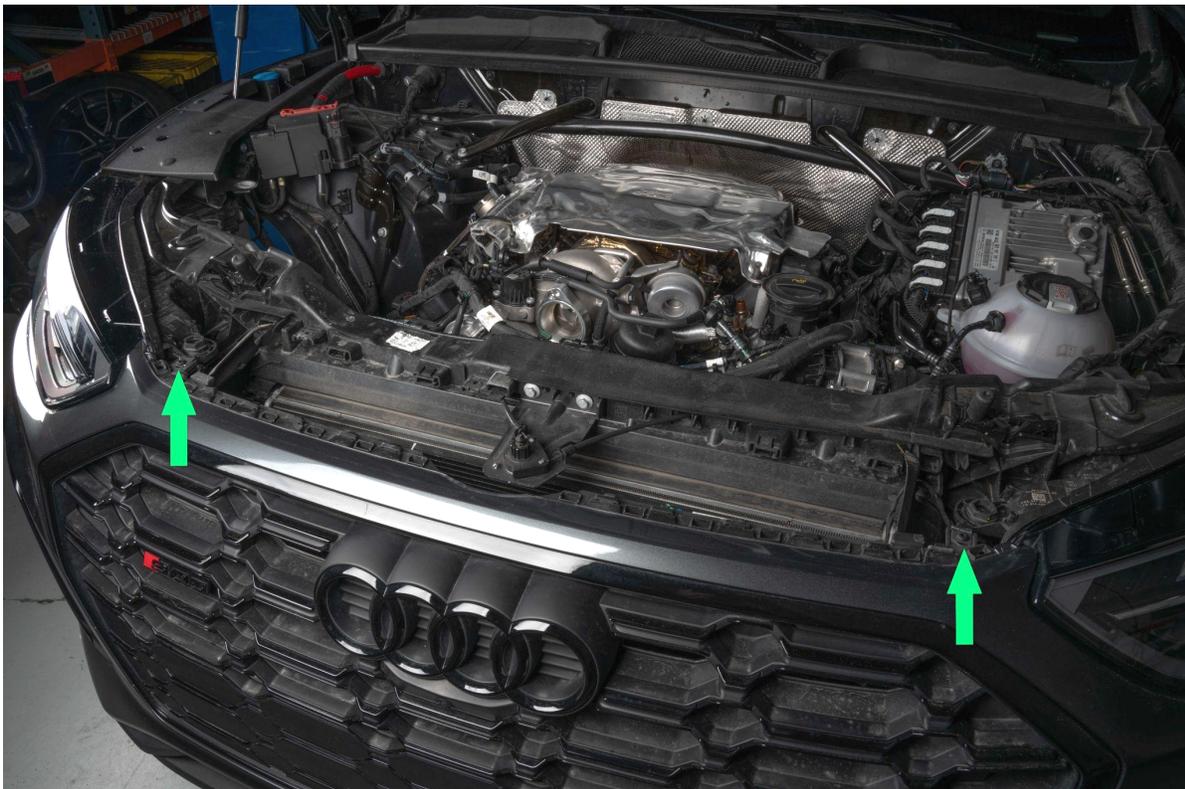
Pull the bumper away from fender connection



Remove 4 torx screws on the lower edge of the bumper



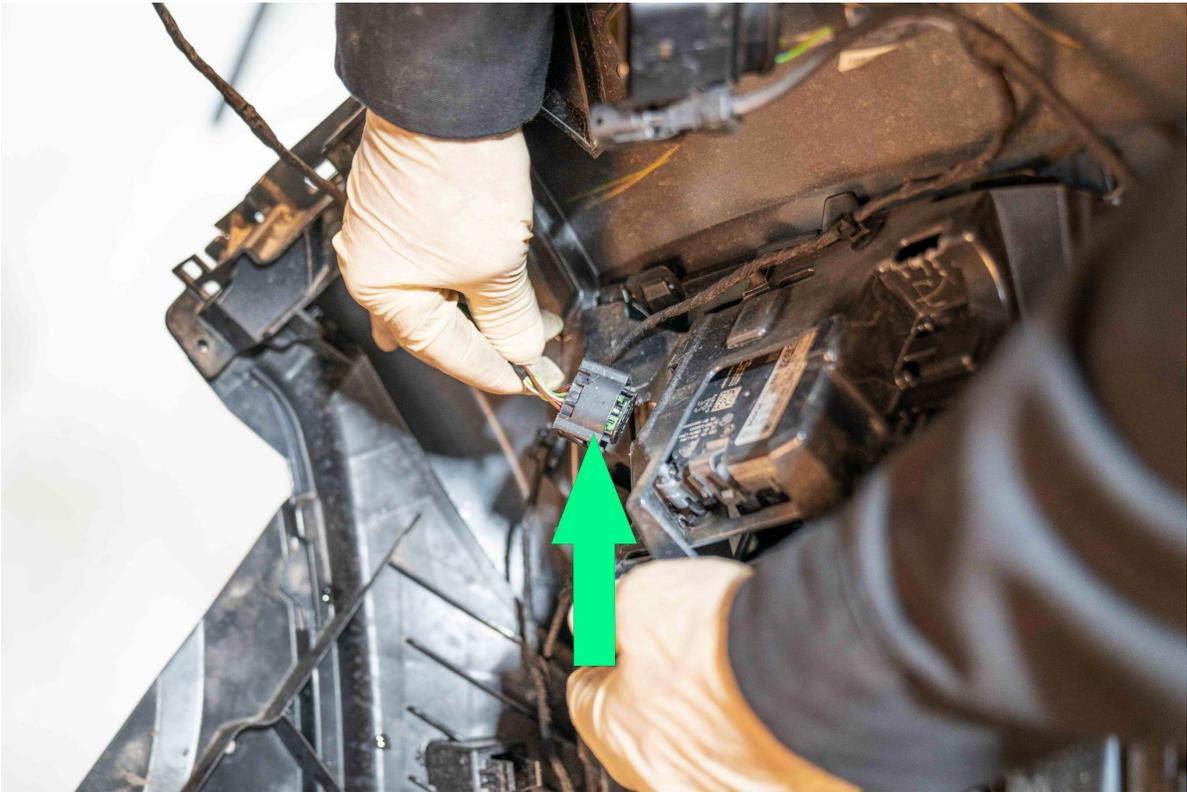
Remove two T25 screws from the top of the bumper.



Remove three sensor connections from each side of the bumper



Sensor 2



### Sensor 3



Remove two T30 screws from radiator support brackets.



One on each side.



Remove plastic cover from both sides by pulling up from the corner.



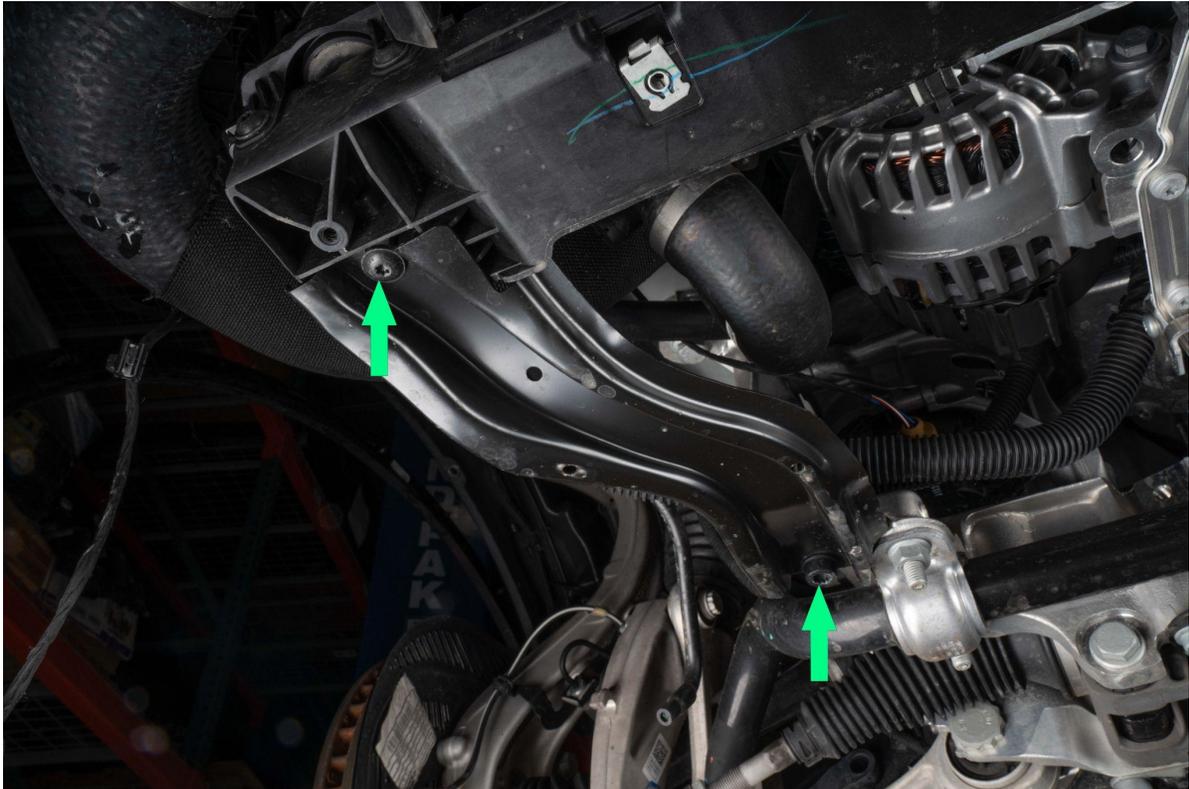
Remove two T30 screws that fasten the body to the radiator support from both sides.



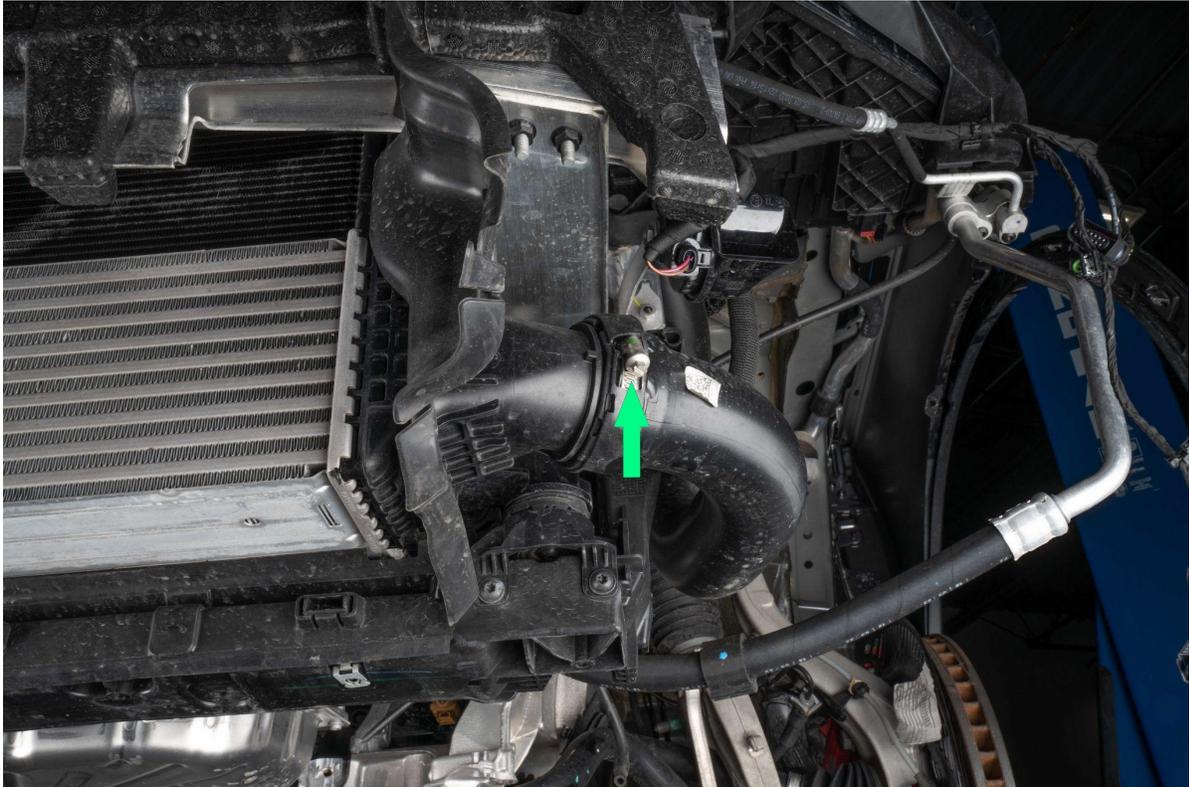
Remove the wiring harness fastener by pressing up with a flathead away from the connecting point.



Remove #10 triple square and T30 from lower radiator support bracket



Remove two band clamps from charge pipes connecting to intercooler

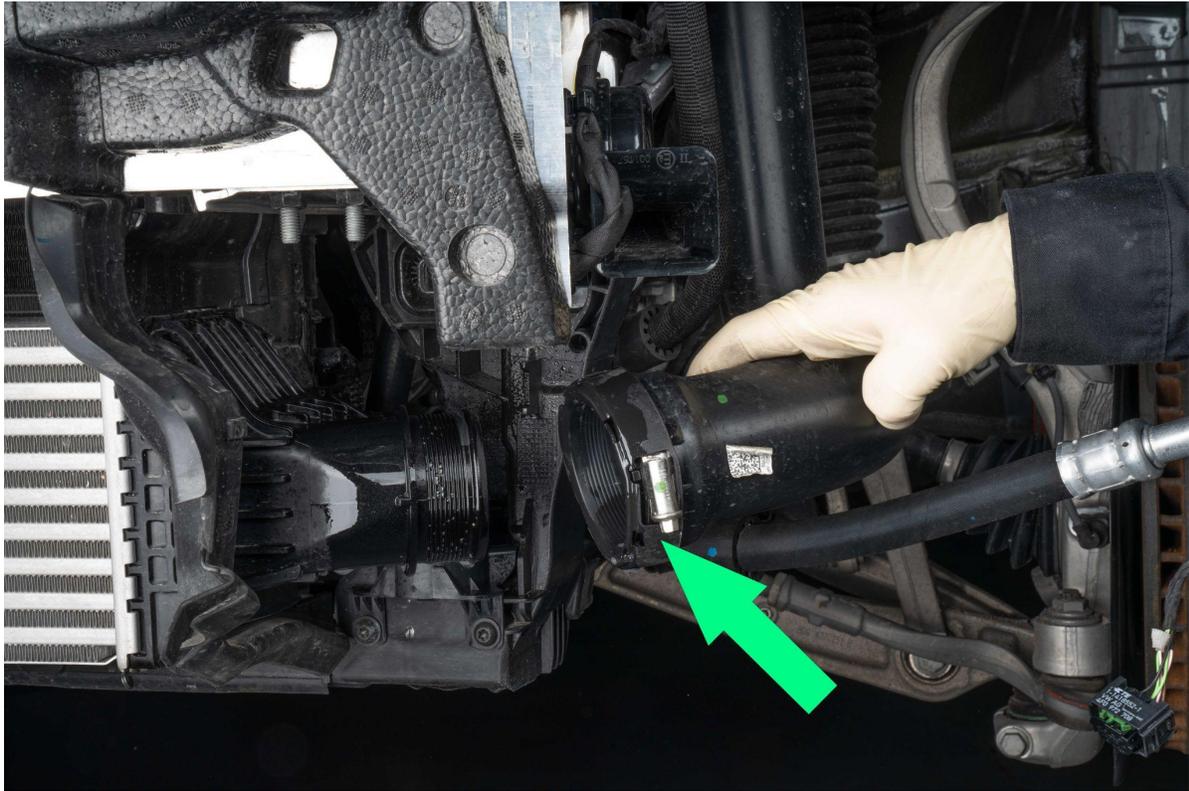


One on each side

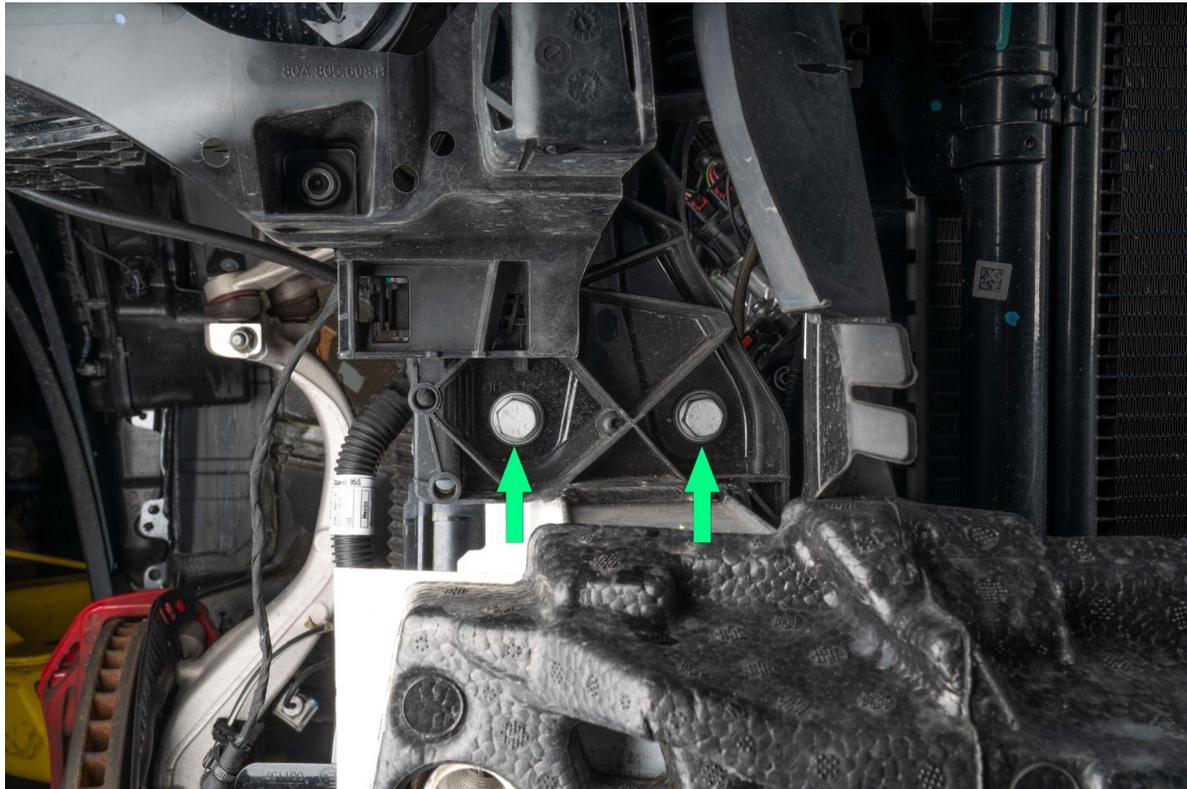


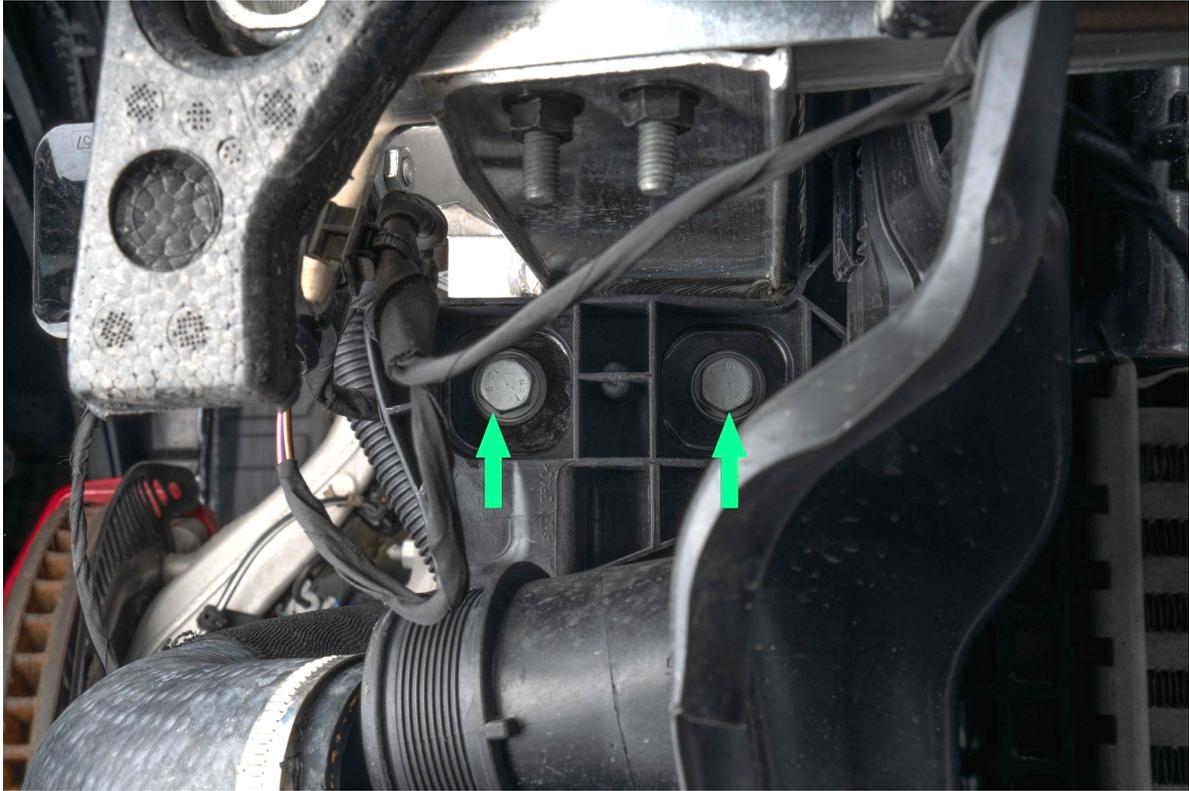
Remove charge pipes from intercooler



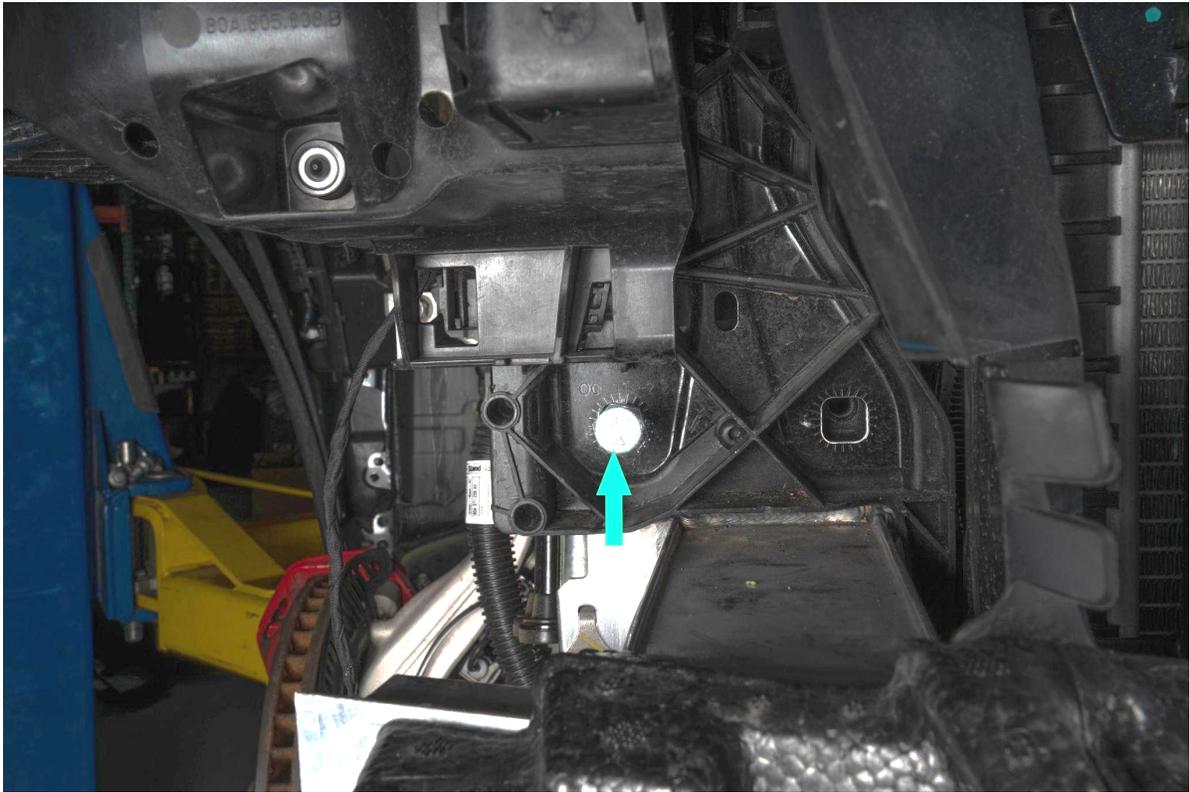


Loosen four 16mm bolts from each side of the radiator support bar. Two on each side.





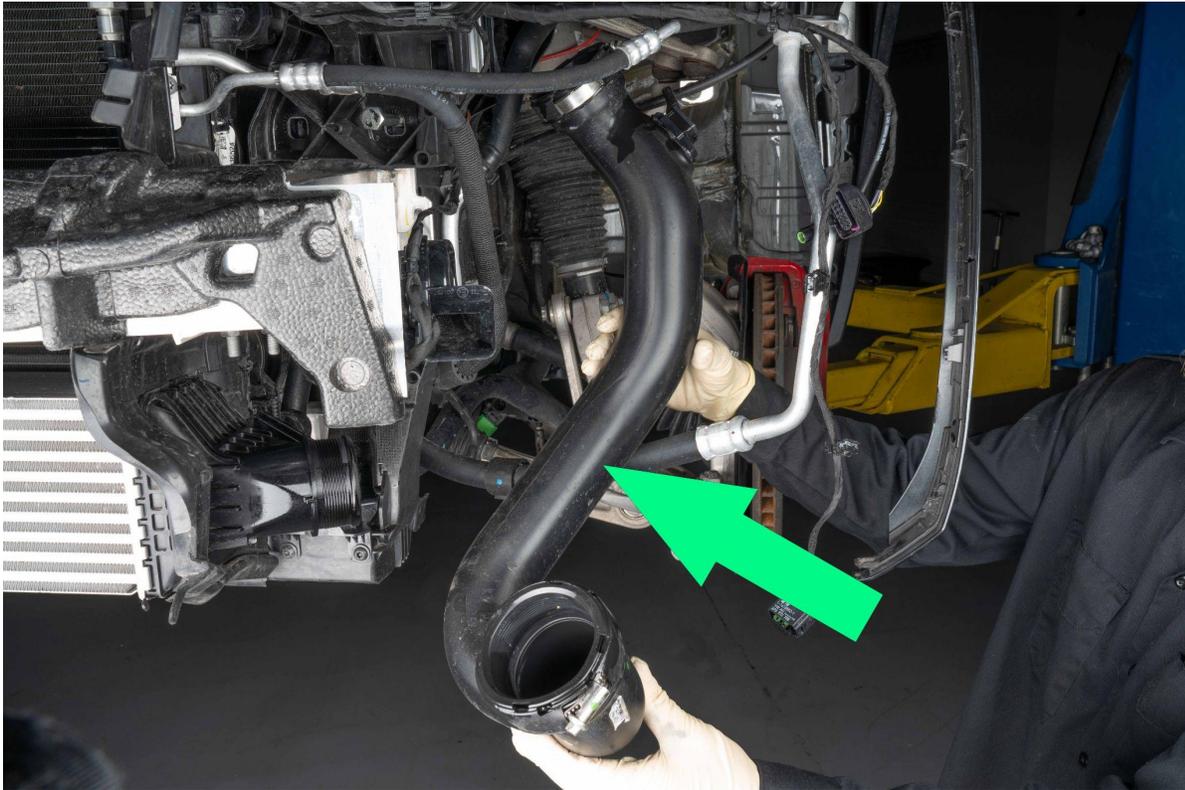
Remove two of the loosened bolts, and keep 1 bolt on each side somewhat installed to the support bar and slide support bar



Remove MAP connector and hose connector to the charge pipe on the driver side by pressing in the gray tab then pulling the connector away from the plug



Remove driver side charge pipe from engine bay



Remove T20 screw and remove map sensor from the OEM charge pipe



Install map sensor into new IE charge pipe using a 4mm button head screw



Install silicone connector hose at the end of the charge pipe and tighten hose clamp

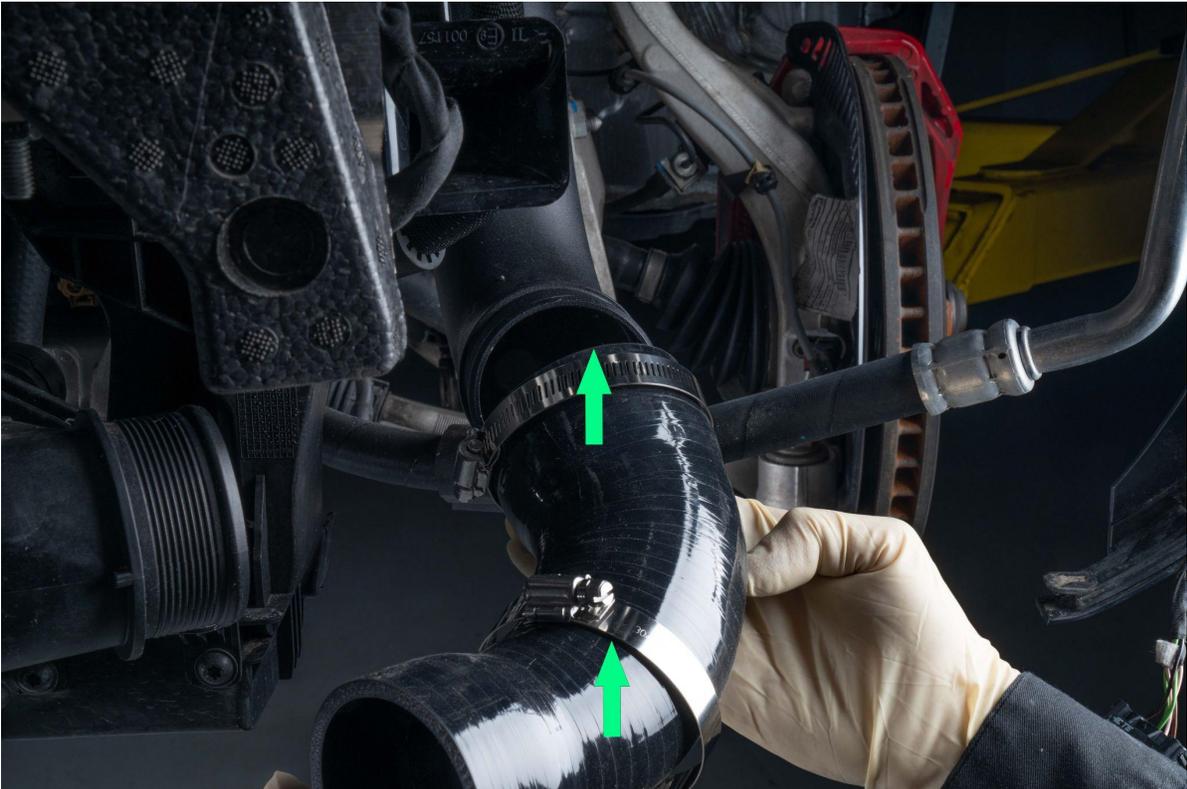




Attach 2nd hose clamp to charge pipe and place charge pipe into position by installing onto throttle body



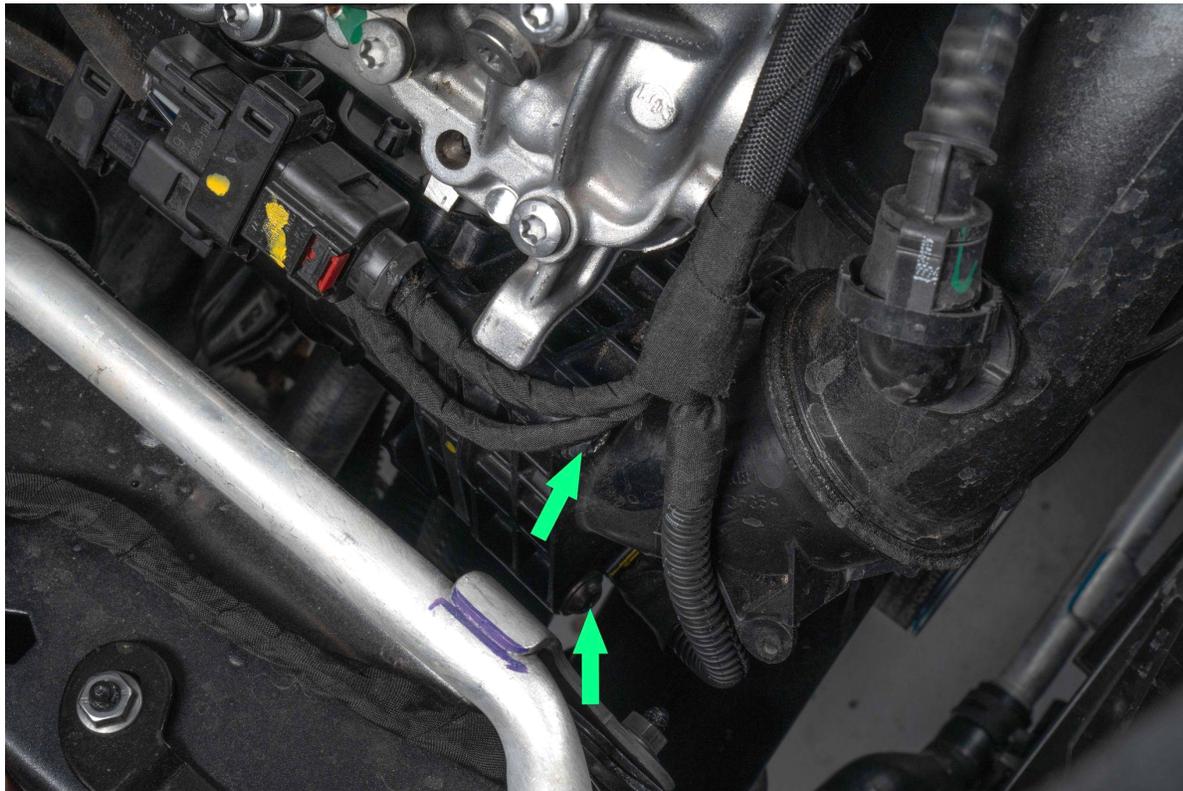
Install hose clamps to the silicone, slide silicone over the charge pipe



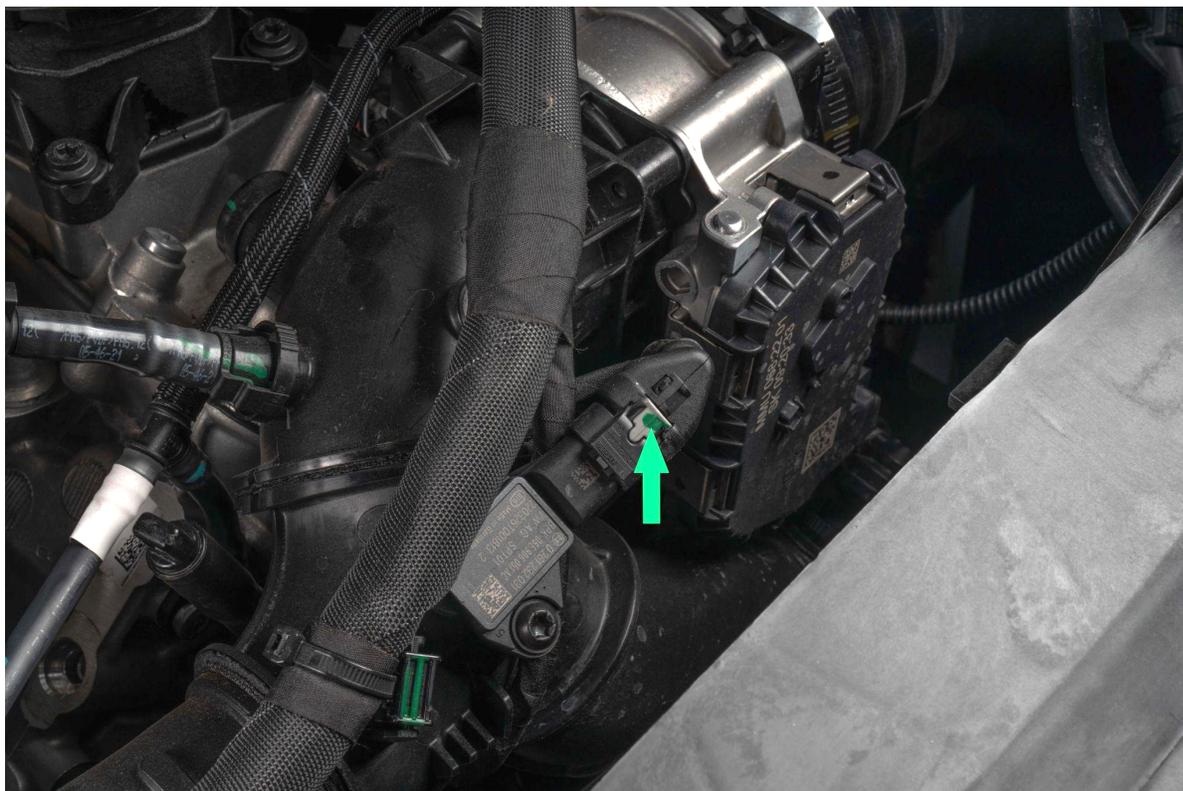
Tighten both clamps securing the silicone to the charge pipe and intercooler ends



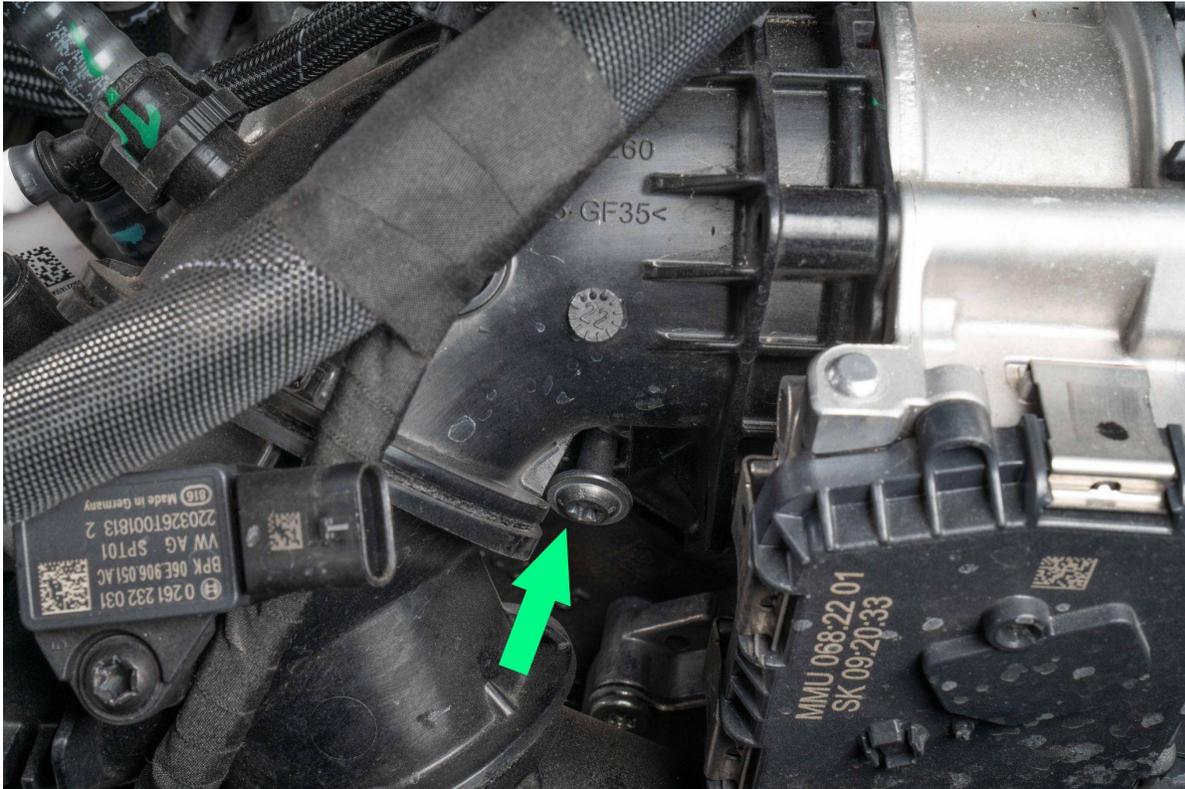
Remove three T30 screws connecting the charge pipe to the intake manifold



Remove the connector for ease of access by pushing in the gray clip



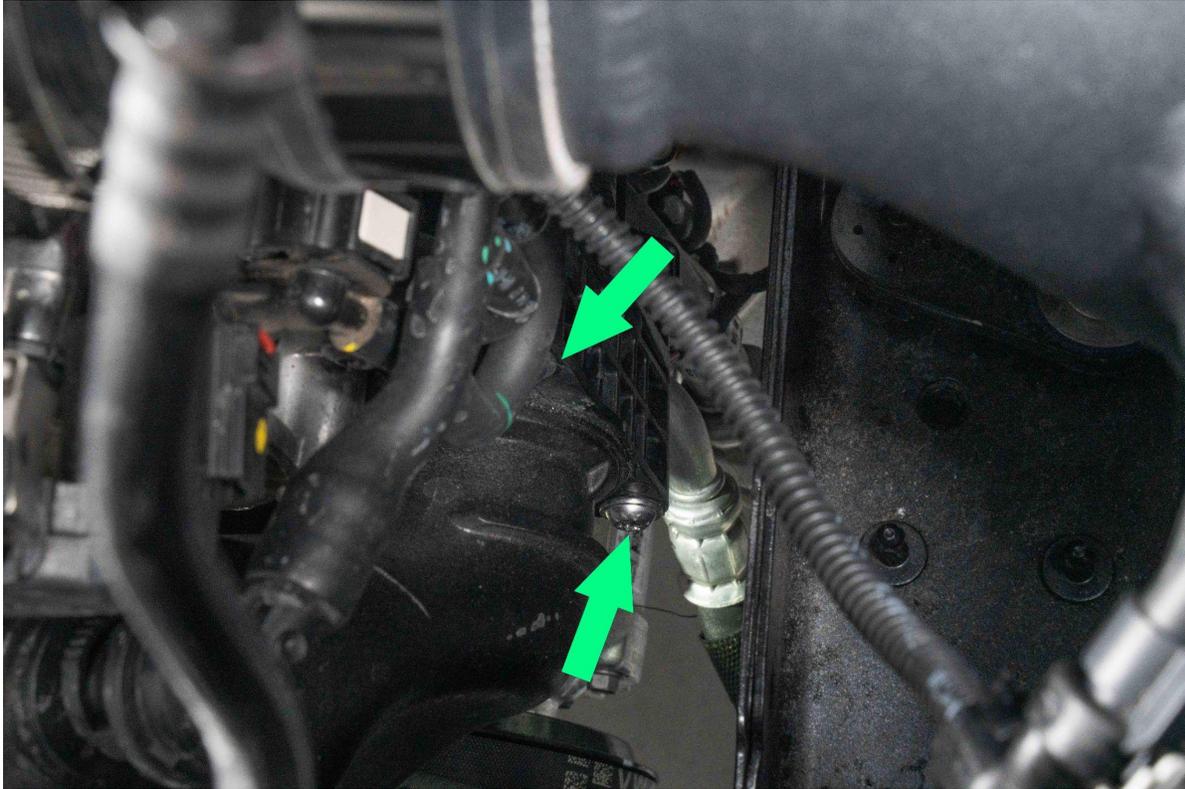
Remove one T30 screw located underneath the throttle body



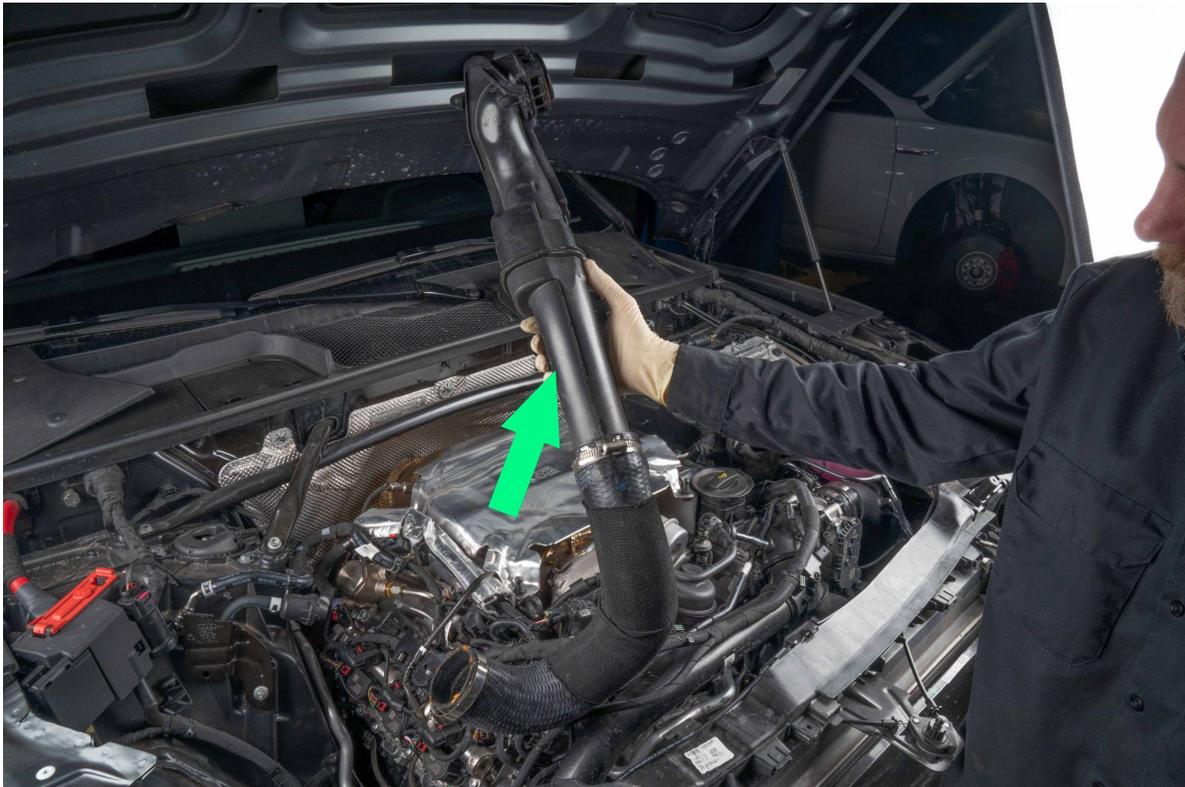
Remove two T30 screws underneath the turbocharger using a long T30 bit



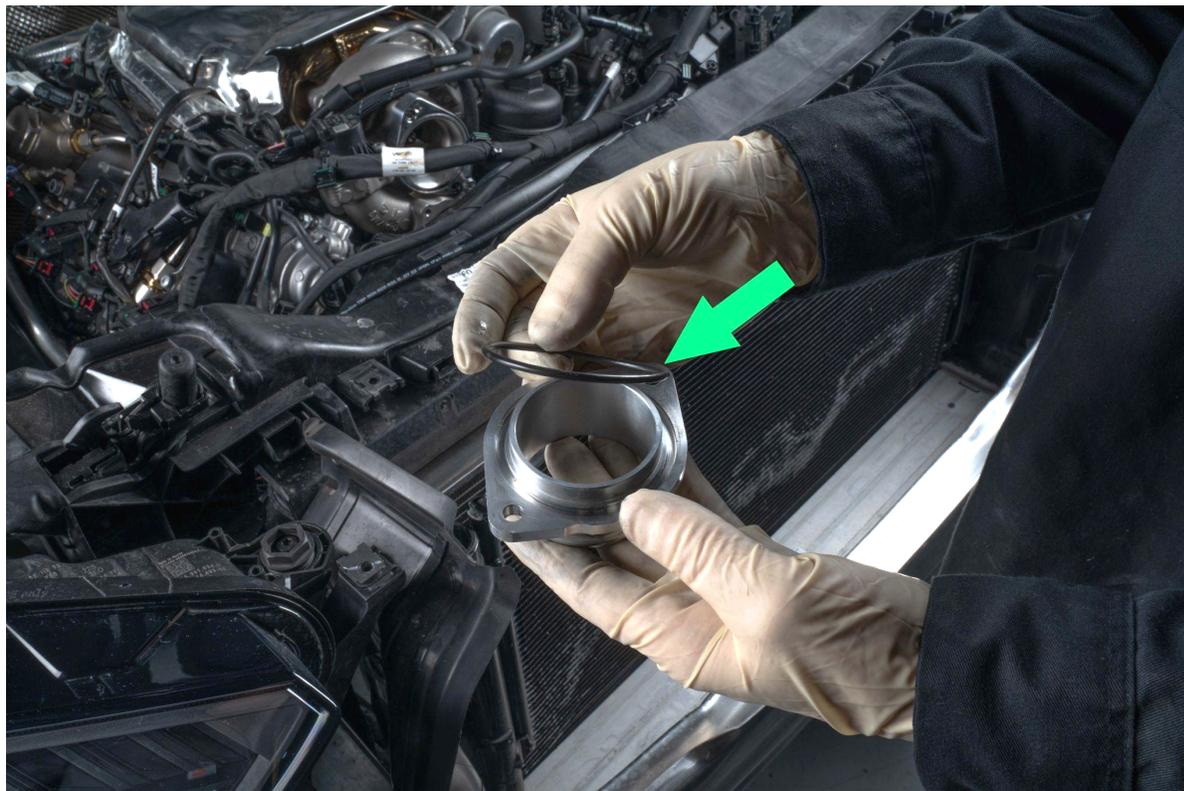
Remove three T30 screws from the driver side of the intake manifold



Twist left and remove the charge pipe from the top of the engine bay



Install the seal on the turbo charge pipe adapter



Insert adapter onto turbocharger and install two 4mm button head screws using a 4mm allen





Super glue the provided spacer to the charge pipe

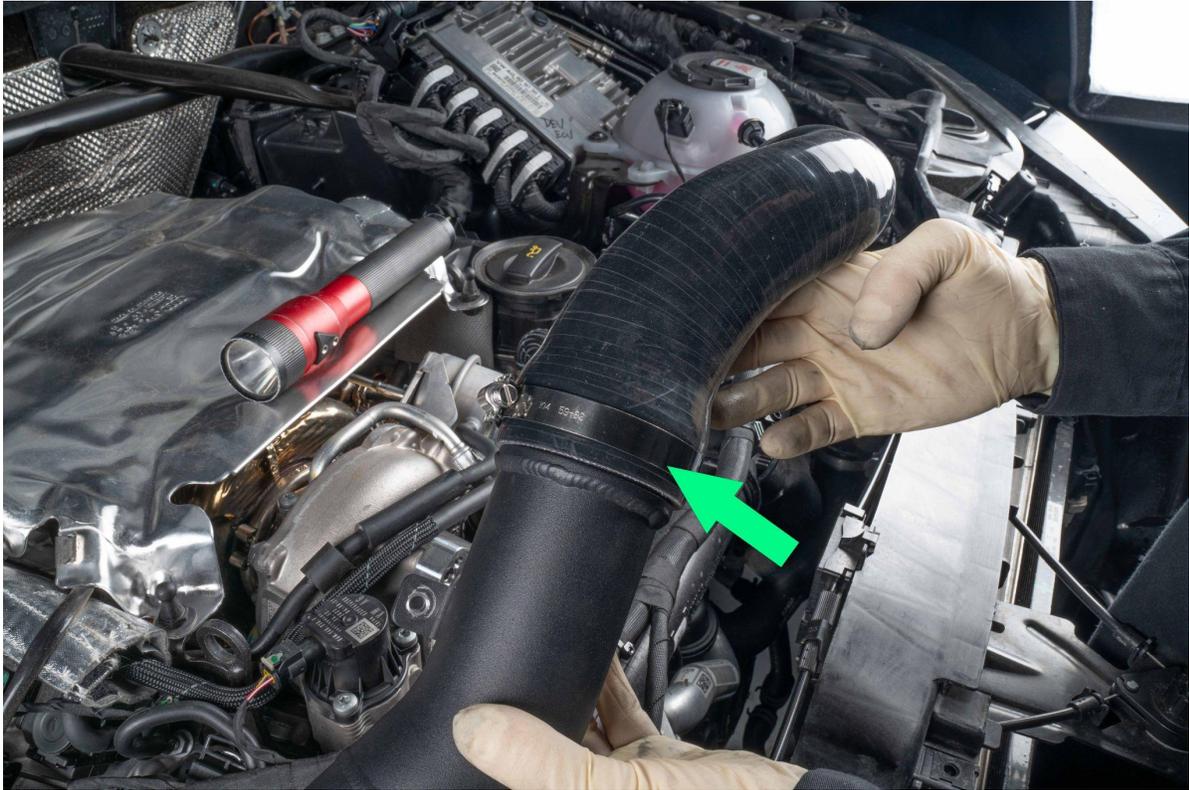


Connect the silicone to passenger side charge pipe



Loosely install the band clamps onto the silicone ends and connect to the charge pipe

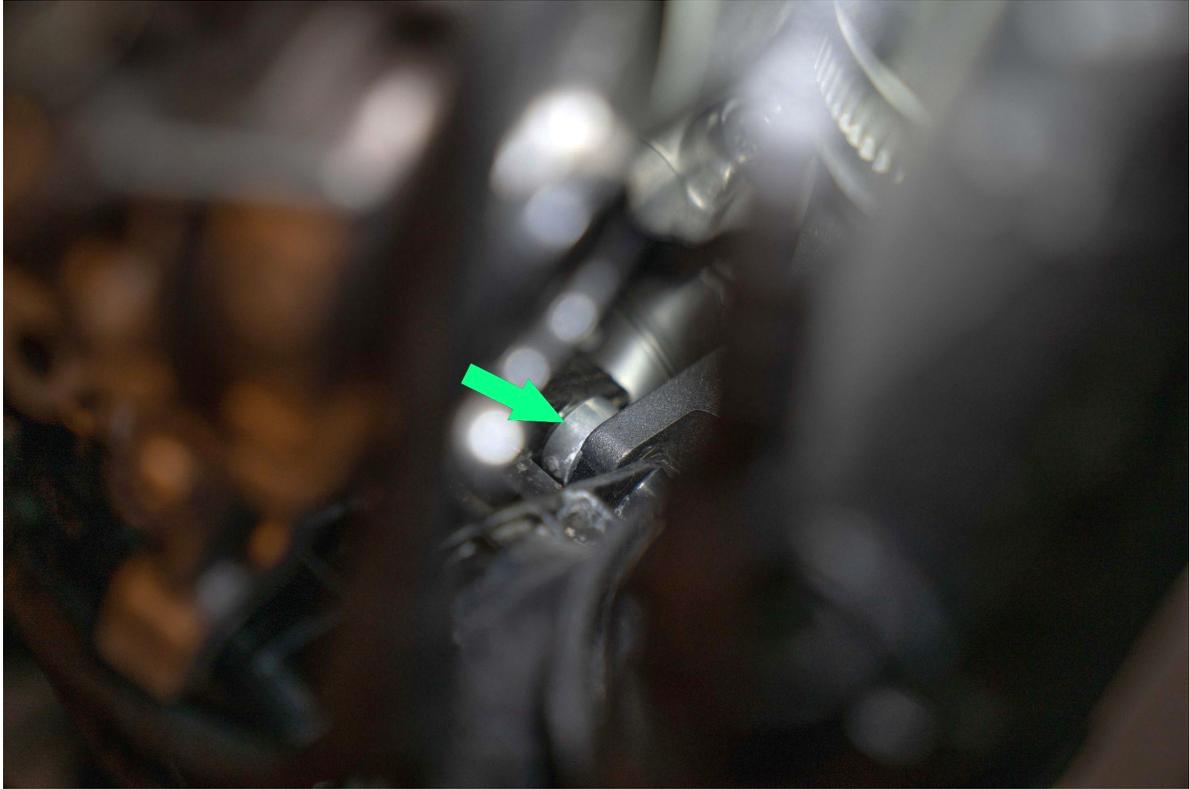




Lower charge pipe into engine bay and connect it to the turbo charge pipe adapter



Install the spacer that was connected to the charge pipe behind intake manifold and charge pipe



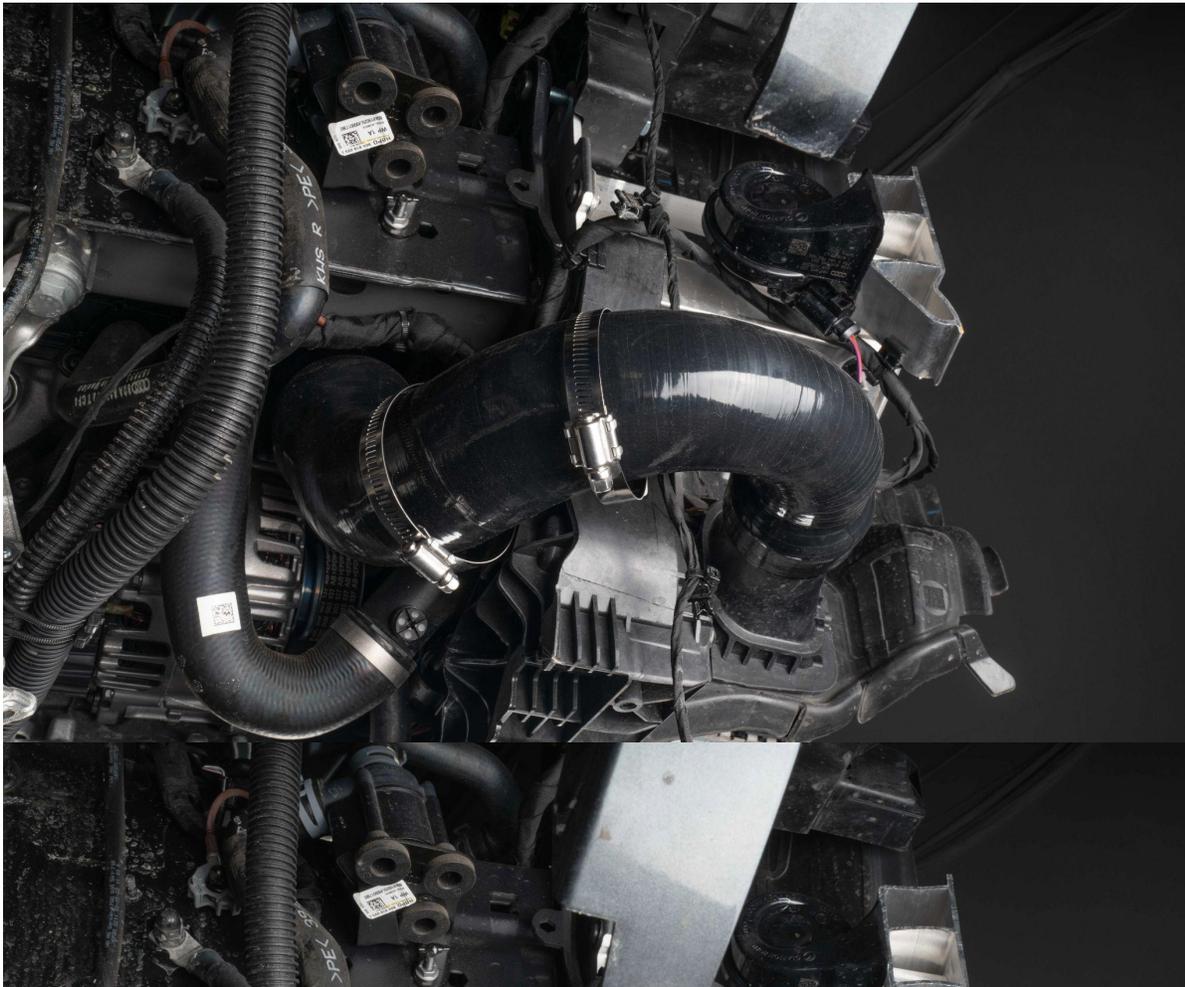
Tighten hose clamp connecting charge pipe with silicone



Loosely install hose clamps onto the silicone



Install silicone tube to the intercooler end and tighten clamps securing silicone



Install the provided foam strip between ABS and charge pipe



To finish, install everything in reverse order of the uninstall process.

Enjoy the increased flow and added strength of your new IE Chargepipes



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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Integrated Engineering  
801.484.2021  
sales@performancebyie.com  
[www.performancebyie.com](http://www.performancebyie.com)

