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IE VW & Audi MQB Performance Cast Downpipe (FWD) Install Guide
Part Number: IEEXCK1

Thank you for purchasing another high quality Integrated Engineering product! This instruction guide is used for installation of IE's Cast Downpipe System for VW MK7 GTI, Golf, & Audi A3 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.

Included Components:

- 1X Downpipe section
- 1X Midpipe section
- 1X Slip-fit adapter
- 2X Slip-fit adapter exhaust clamps
- 1X V-band clamp
- 1X Downpipe Mount Bracket
- 1X Downpipe mount bolt
- 1X Downpipe mount nut
- 2X Downpipe mount washers

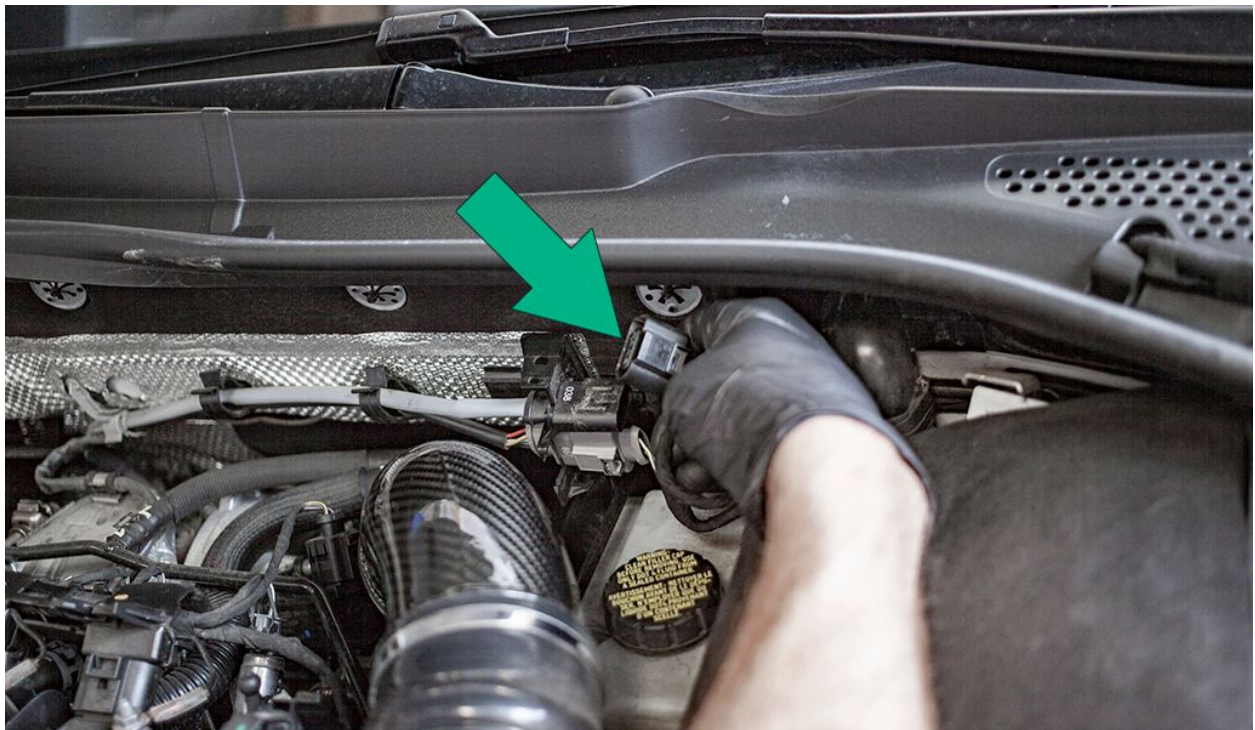
Before you begin, open your IE Downpipe Kit, inspect all components, and verify their quantities.



Safely rack your car on an auto lift or place onto jack stands. It is also recommended to allow the car to cool before beginning this install procedure.



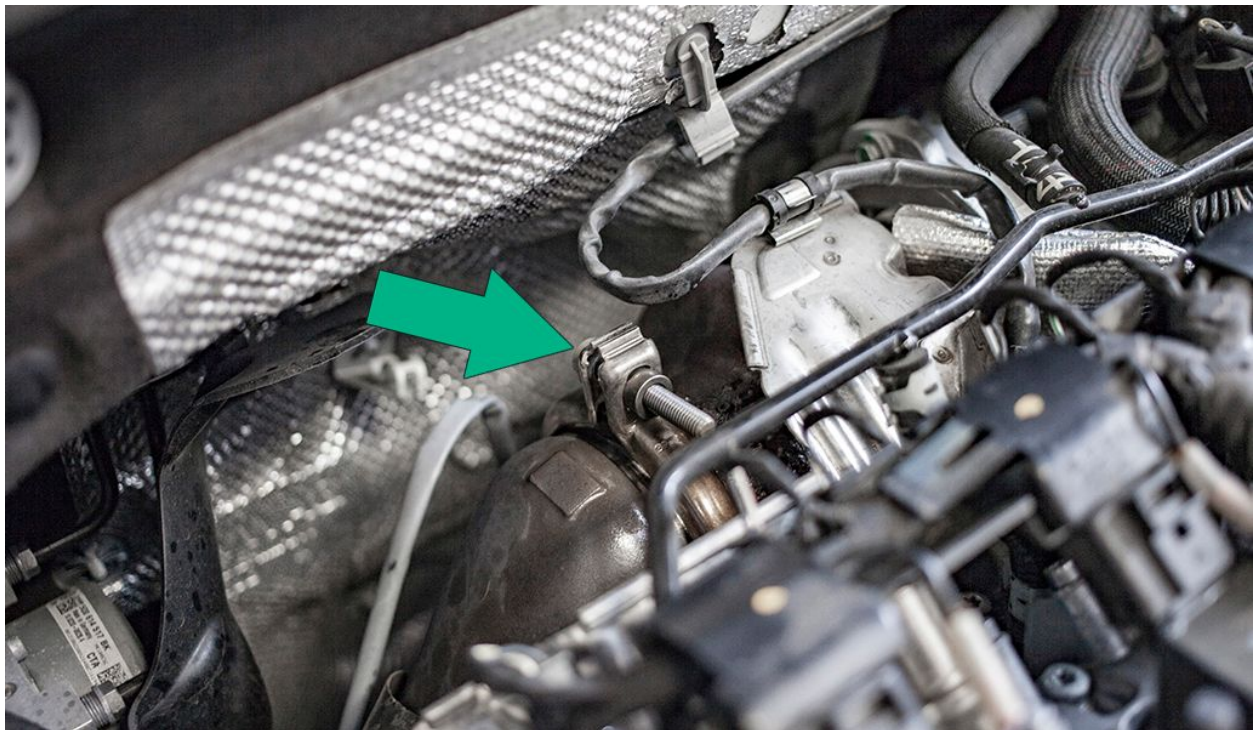
Begin the install by disconnecting the black 02 sensor connector above the intake.



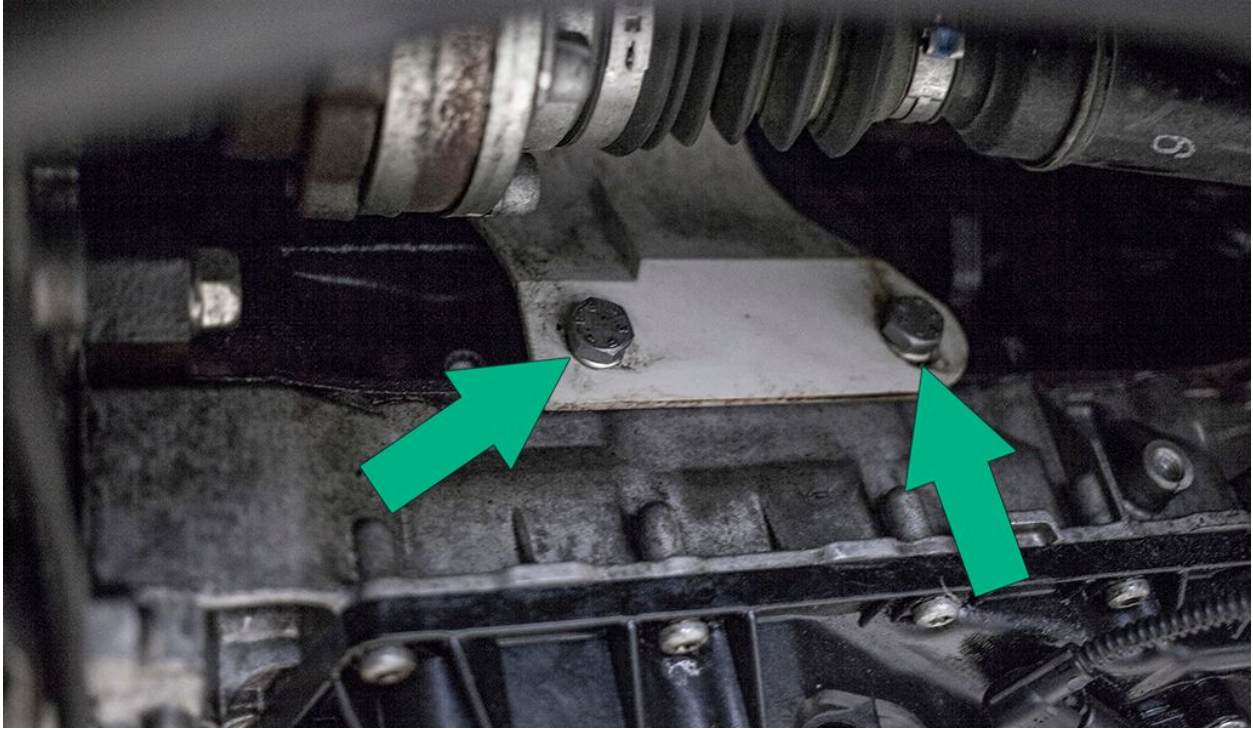
Carefully unclip the O2 sensor harness from the firewall clips and safely lay it out of the way.



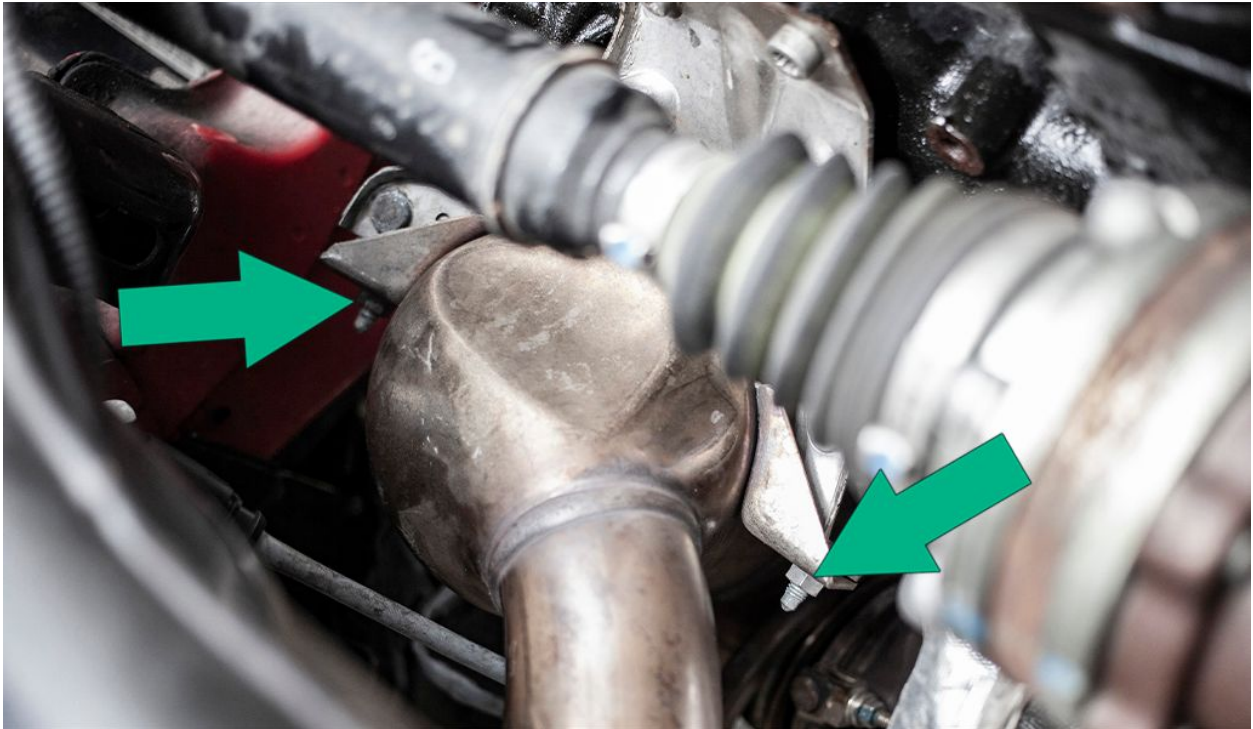
Using a 6mm allen bit, remove the factory v band clamp bolt and v band clamp. **Keep bolt & clamp for reinstallation.**



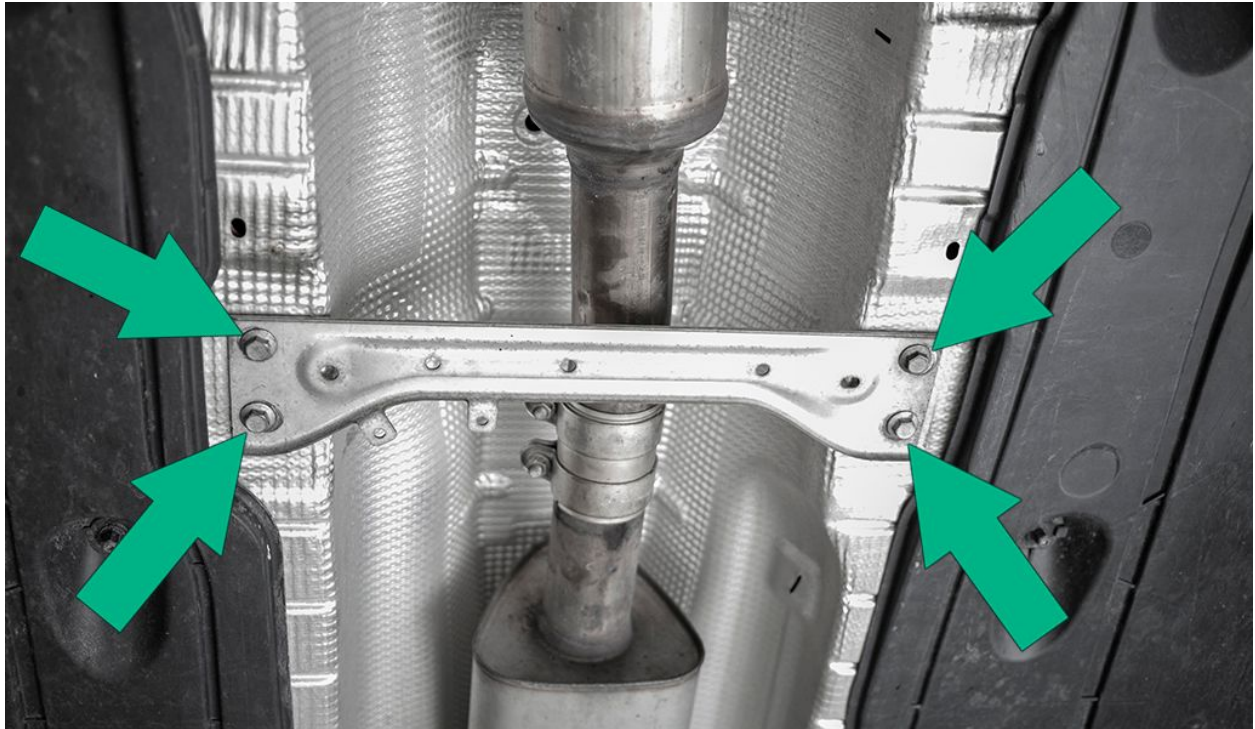
Remove both axle heatshield bolts with 16mm socket and remove from vehicle.



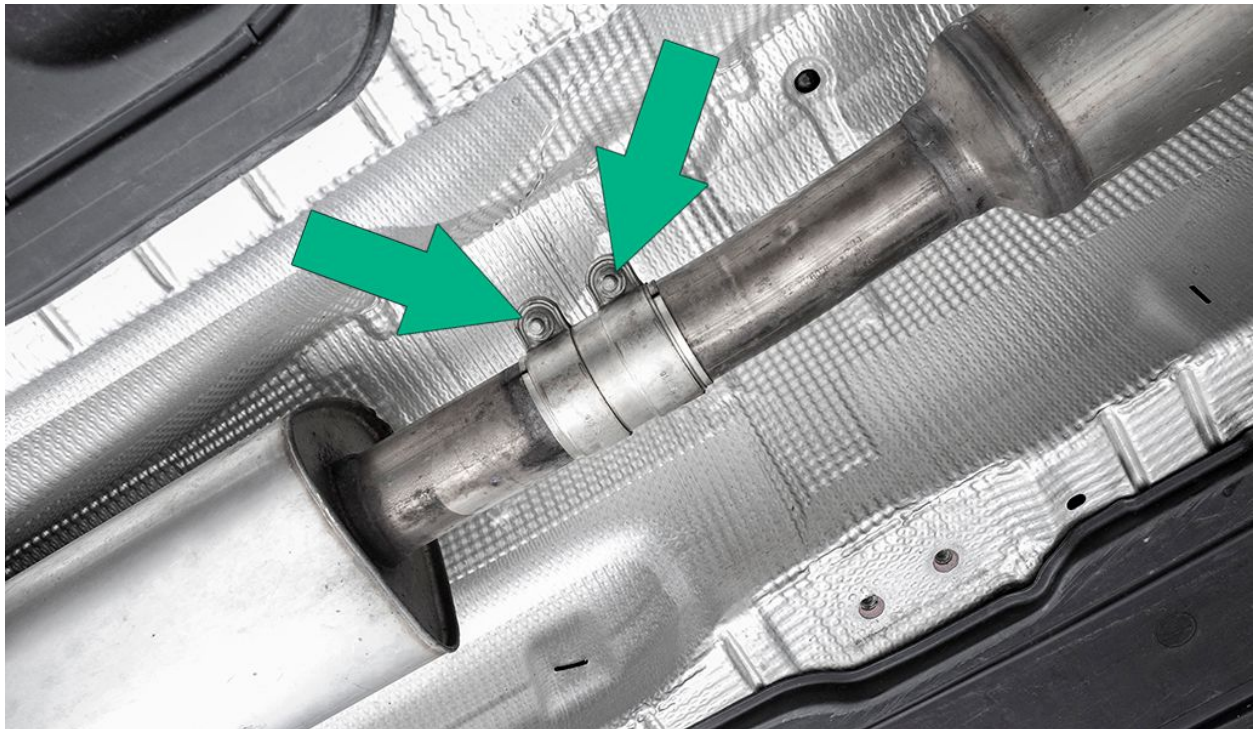
Remove both downpipe mount bracket nuts with 13mm socket.



Using a 13mm socket, remove all four chassis brace bolts and remove brace from vehicle.



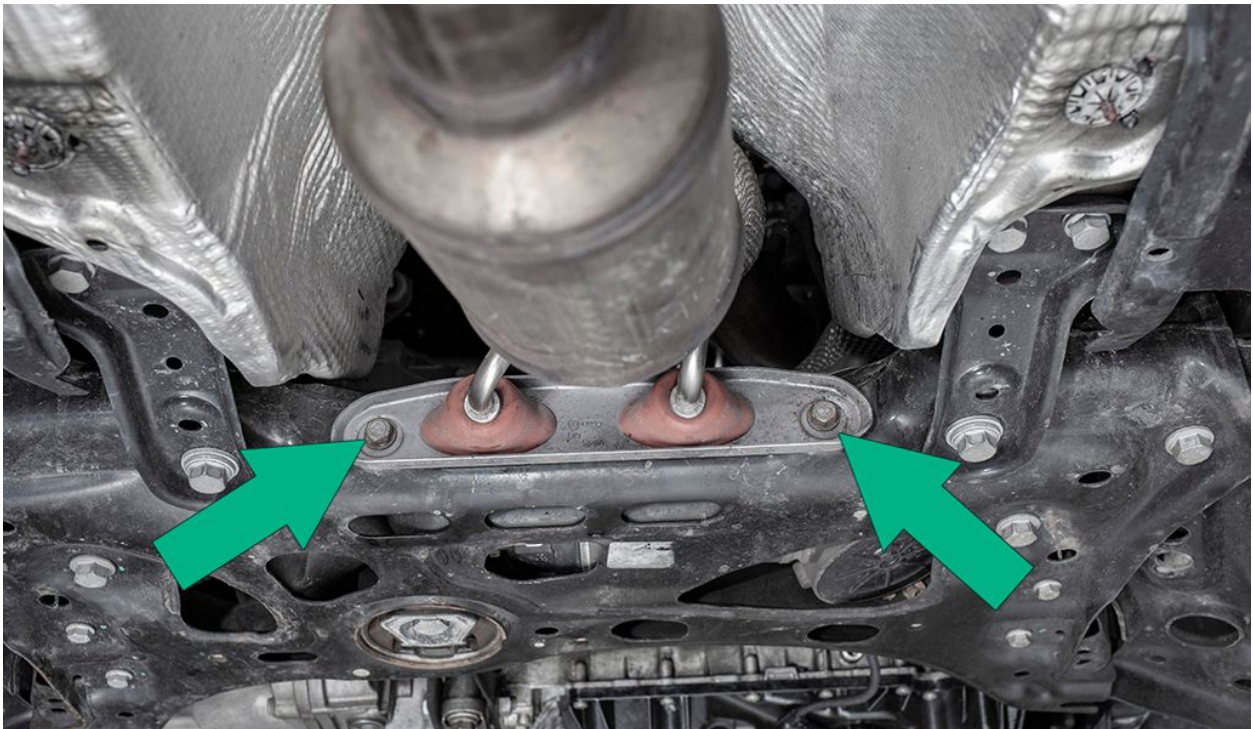
Loosen both downpipe to catback exhaust clamps with 13mm socket.



Separate downpipe from catback and remove exhaust clamps.



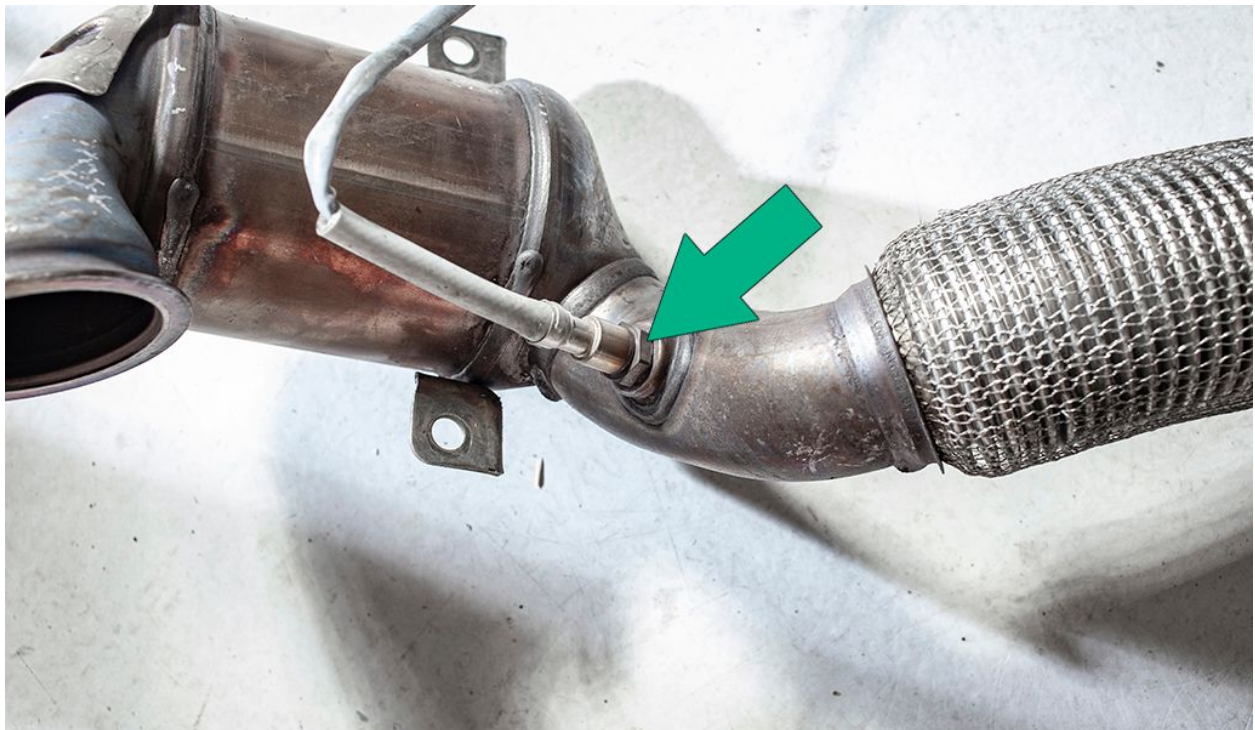
Remove both bolts from downpipe grommet mount with 13mm socket.



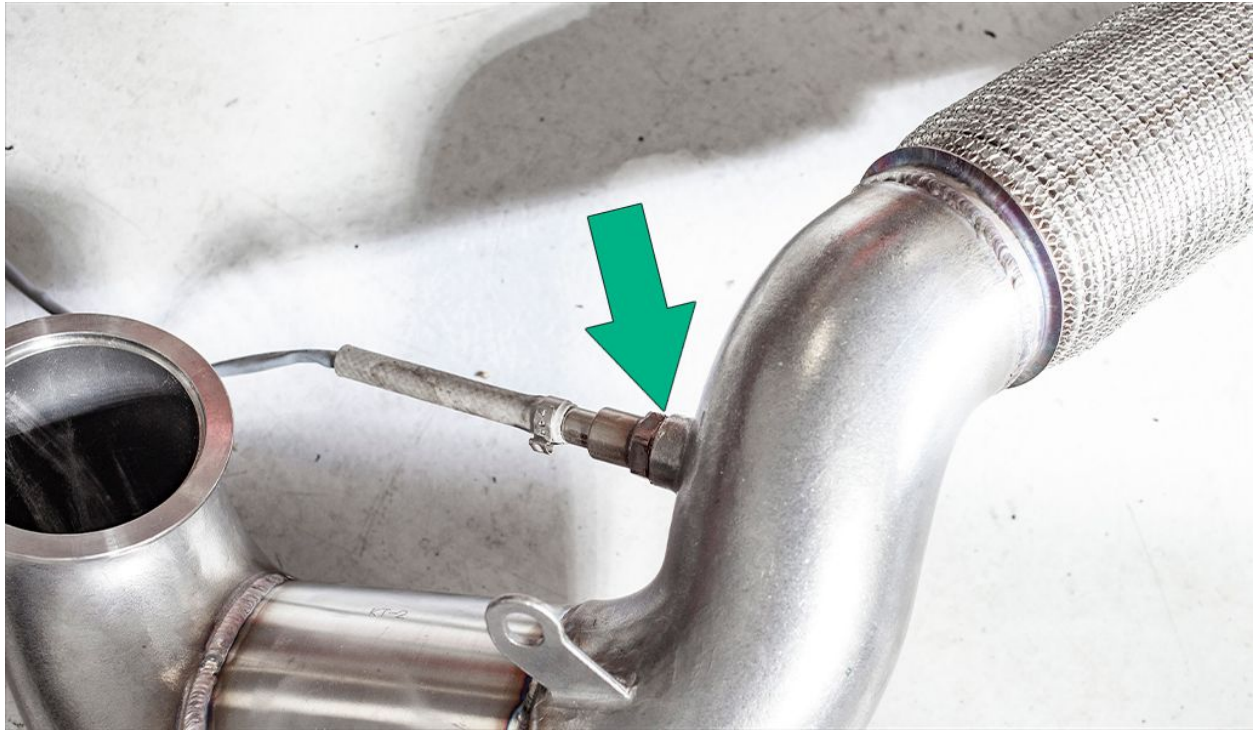
Carefully pull the downpipe away from the turbo charger then slowly rotate counter-clockwise while pulling down to remove from vehicle.



Using a 22mm wrench or O2 sensor socket, remove the O2 sensor from the factory downpipe.



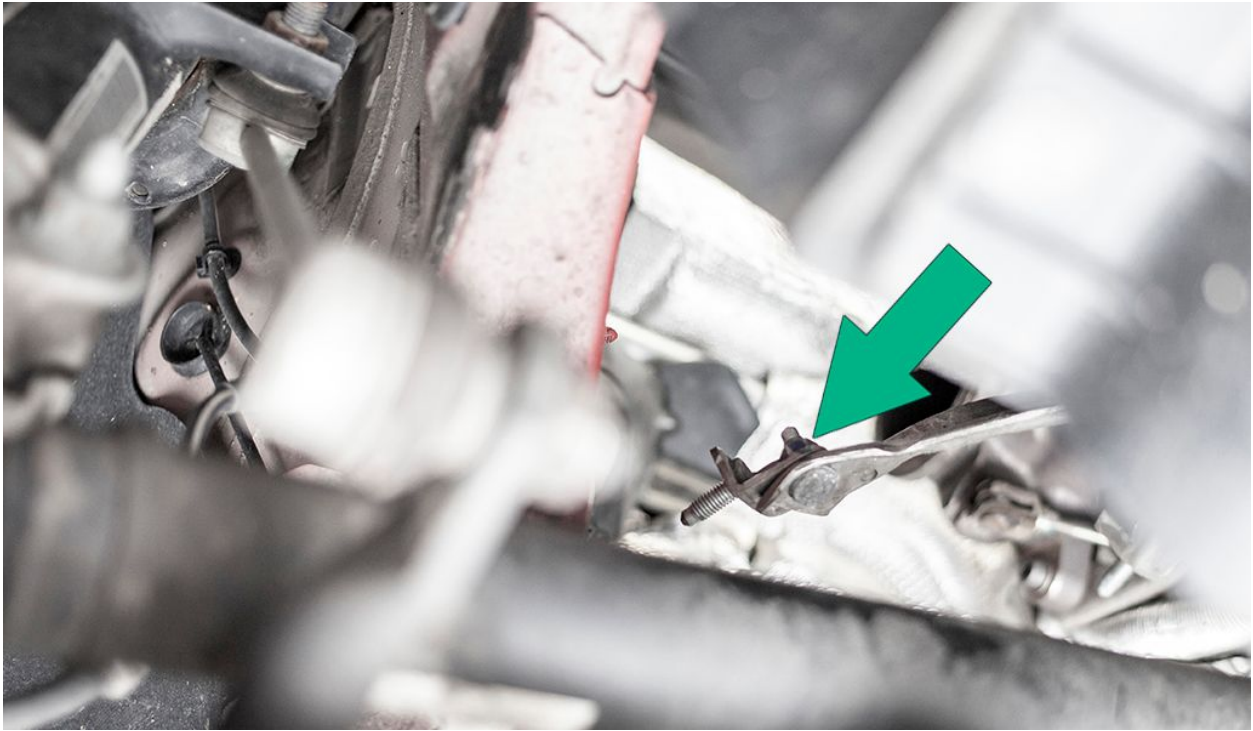
Reinstall O2 sensor into the new IE downpipe with a 22mm wrench or O2 sensor socket.



Pull to remove grommet bracket from factory downpipe.



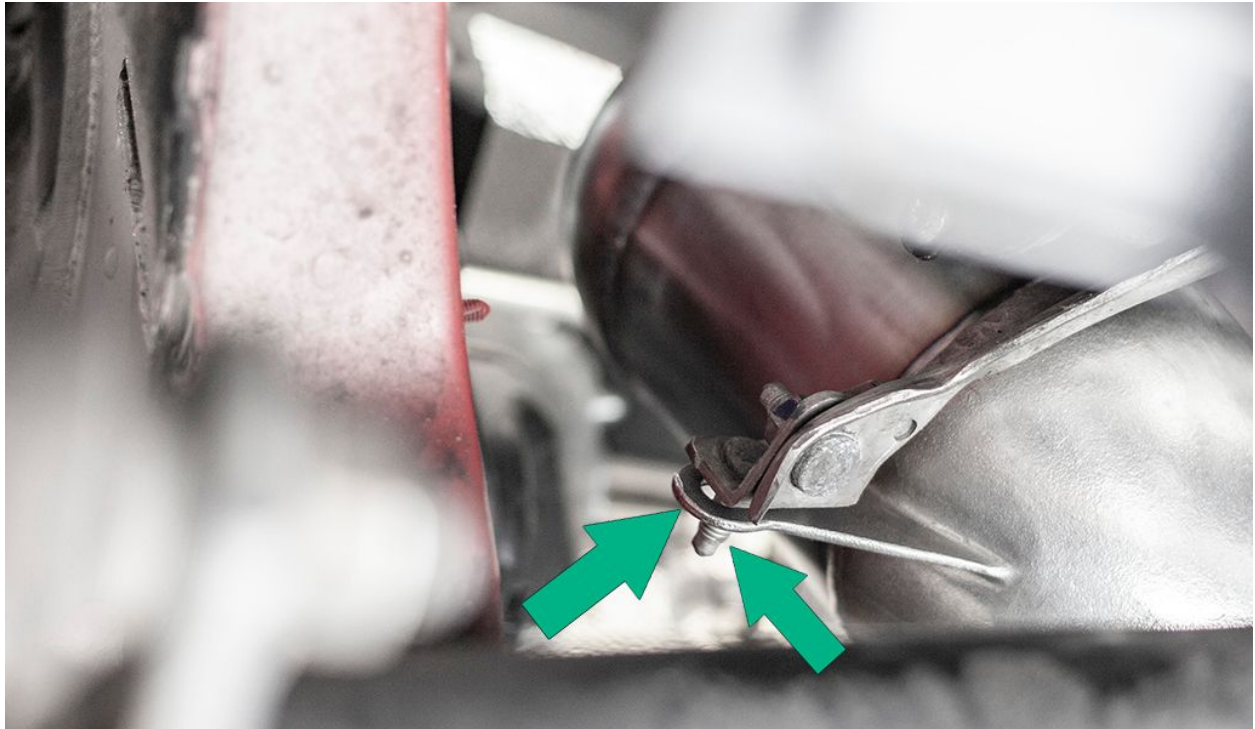
Loosen but don't remove the upper downpipe mount bracket nut with 13mm socket.



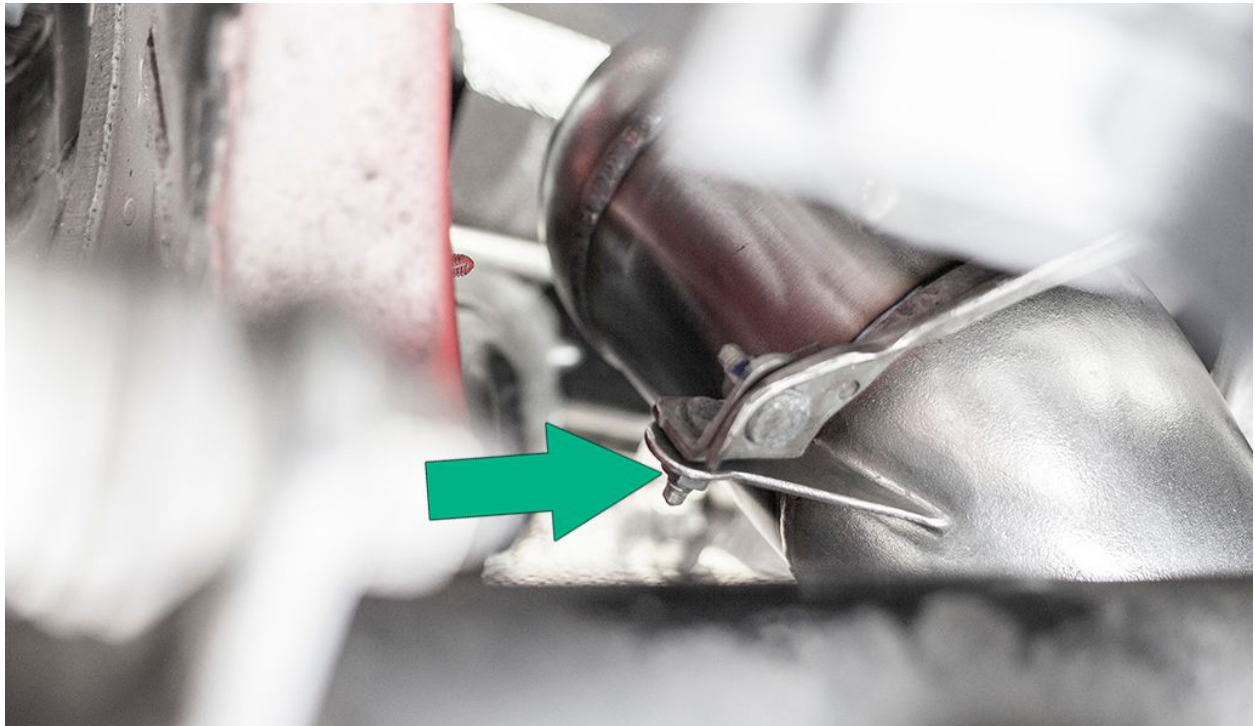
Carefully rotate new IE downpipe into place and align with turbocharger v band flange.



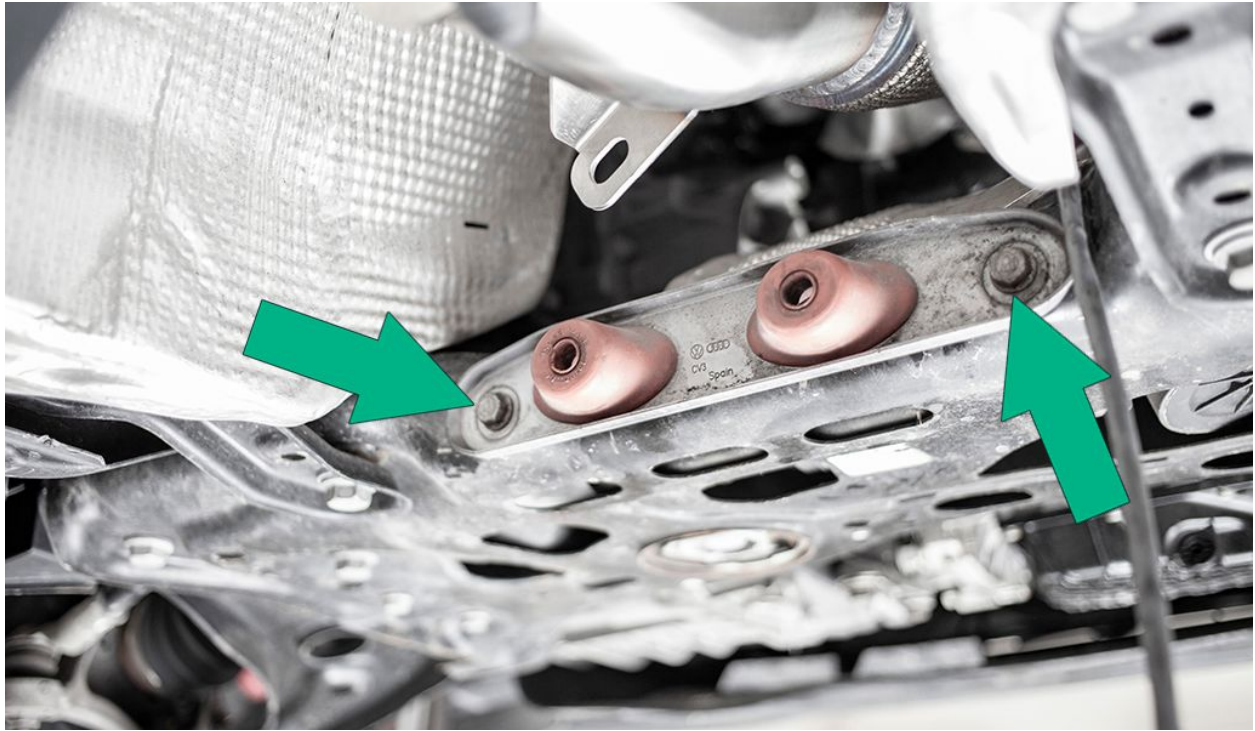
Support the loose downpipe and slide downpipe mount over the downpipe mount brackets on both sides.



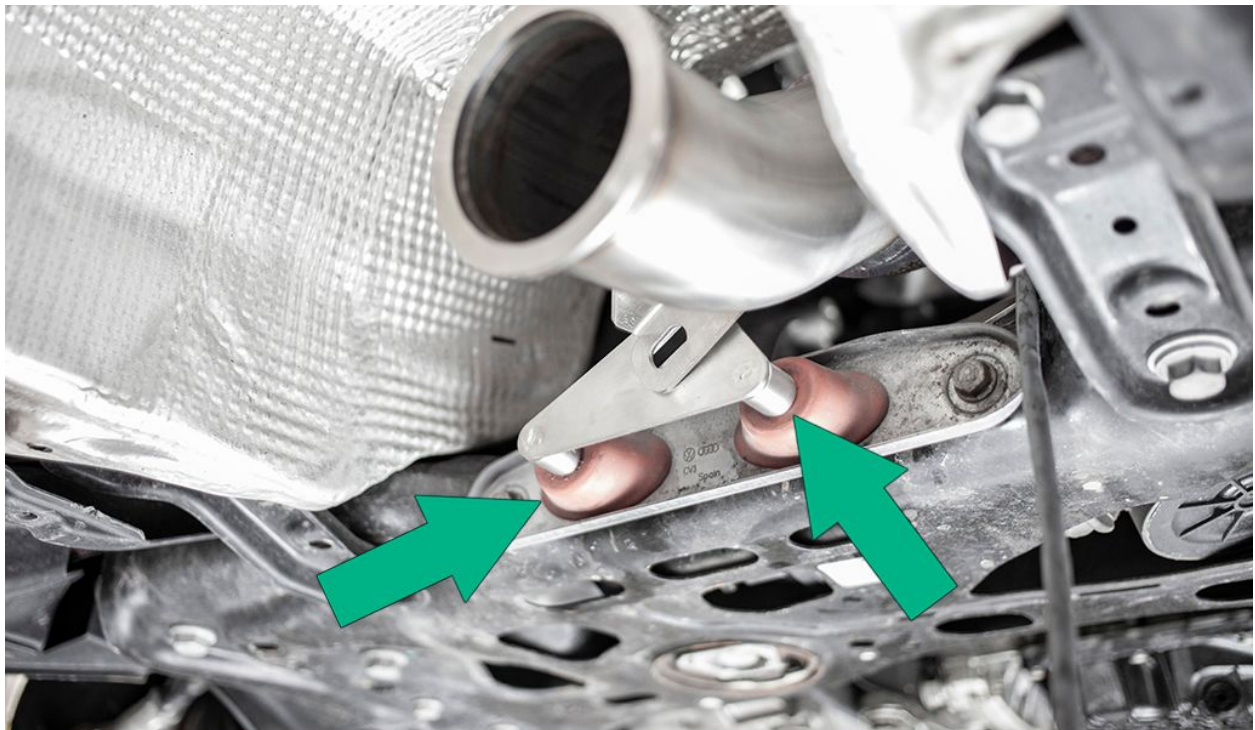
Reinstall 13mm nuts and tighten by hand only.



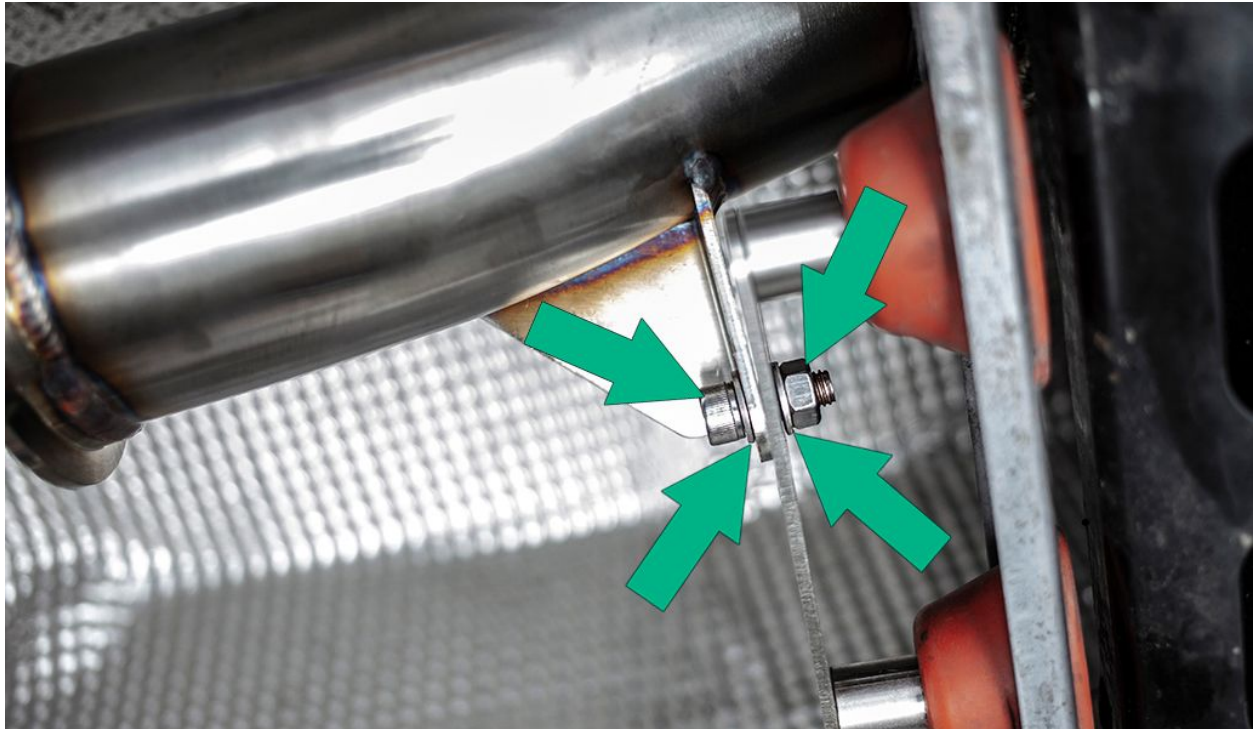
Reinstall grommet mount bracket and bolts with 13mm socket.



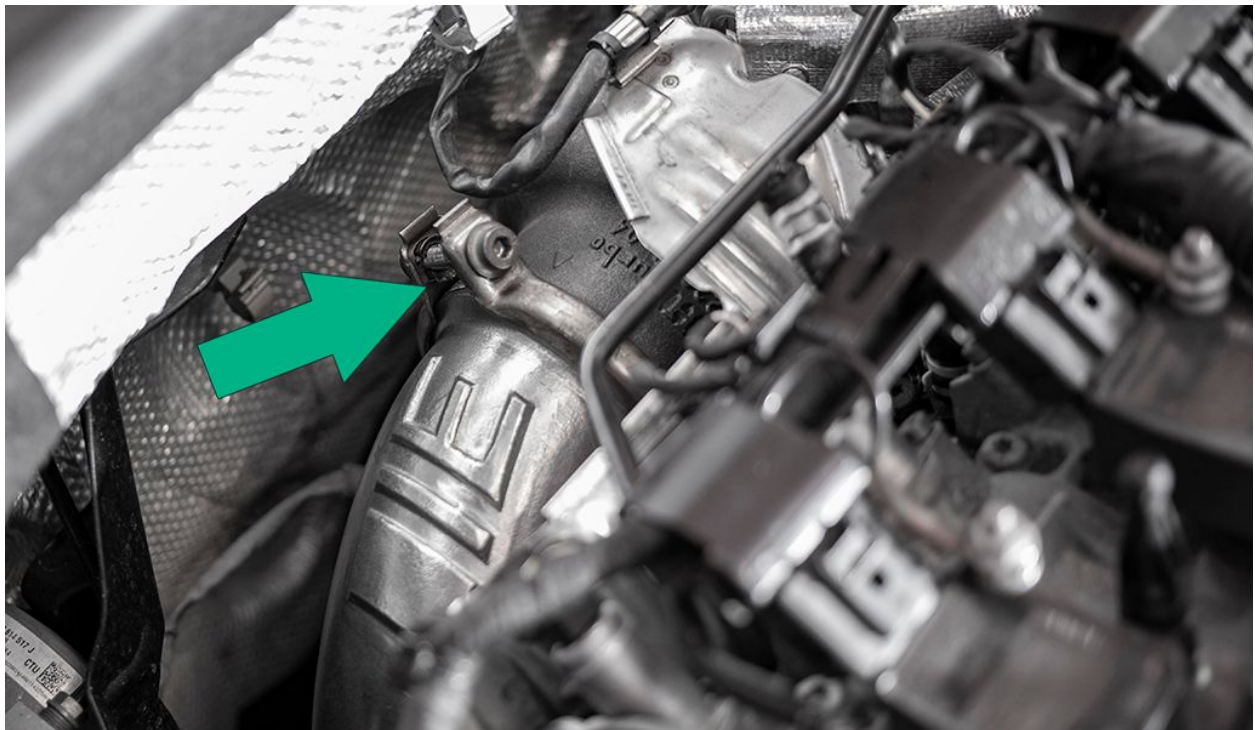
Seat IE downpipe mount bracket hangers into the factory grommets. Bracket should sit behind the downpipe bracket as seen below.



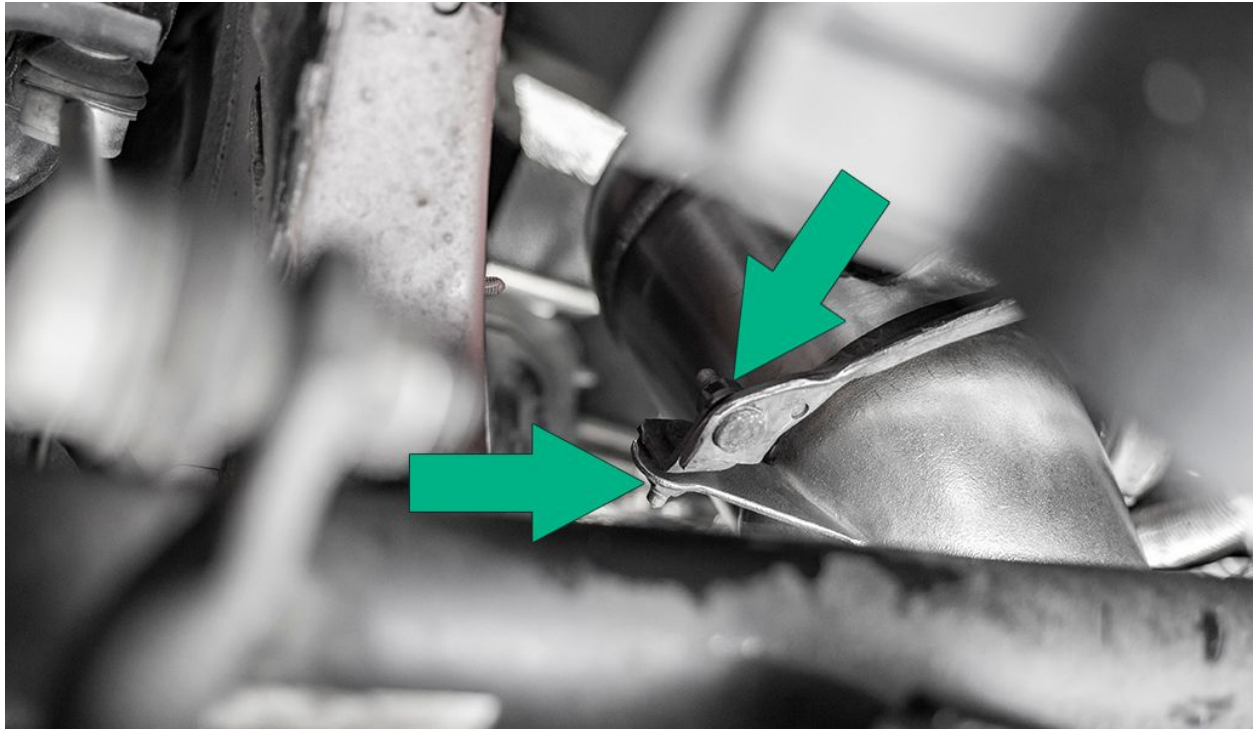
Install and tighten the included allen bolt, washers, and nut as seen below.



Install factory v band clamp and bolt to the IE downpipe and turbocharger. ***Hand tighten bolt only.***



Fully tighten all 13mm downpipe mount nuts.



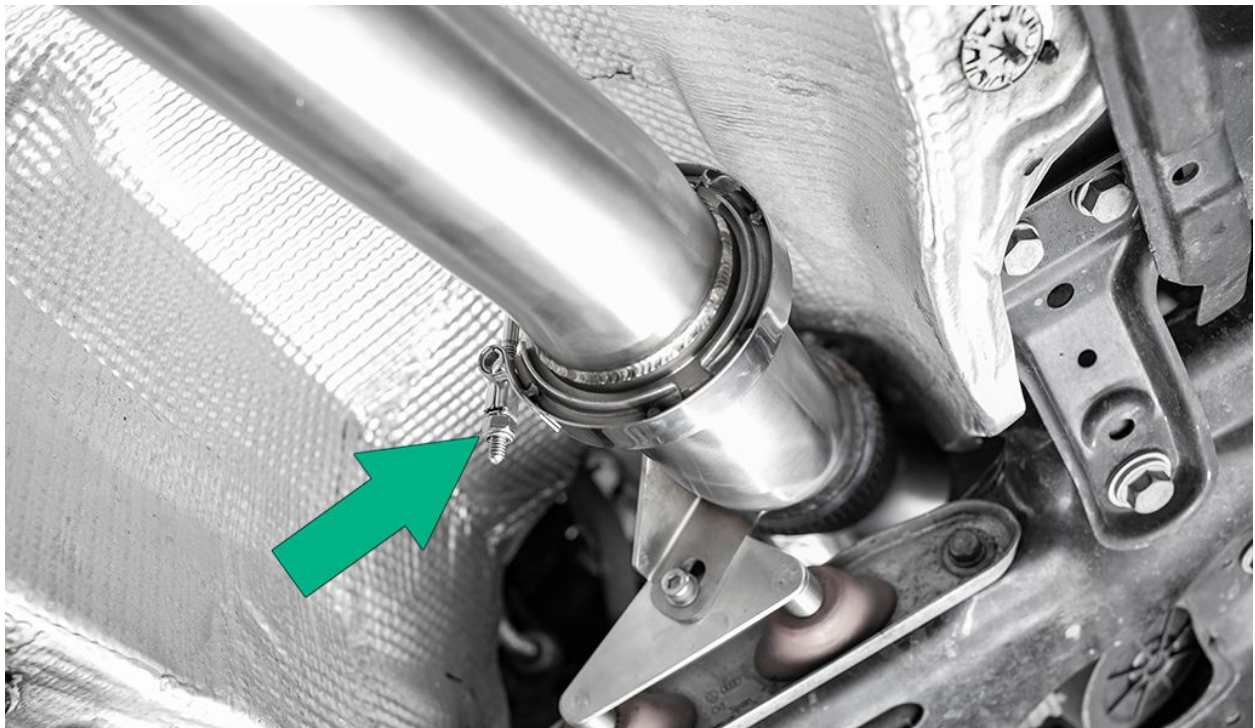
Install slip fit and both exhaust clamps loosely to IE midpipe.



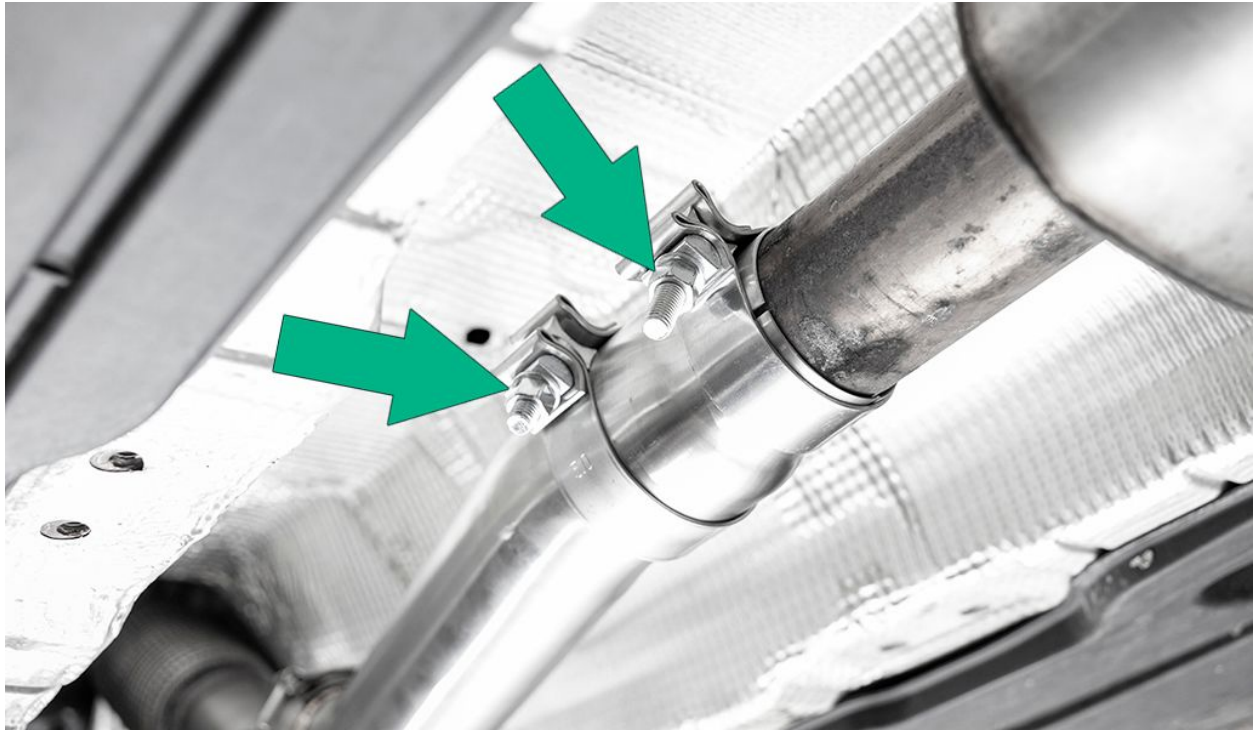
Install the slip fit section to the catback with included exhaust clamps. Install into place between the downpipe and catback. Adjust so that everything sits even, seated, and without binding or drooping. ***Do not tighten clamps in this step.***



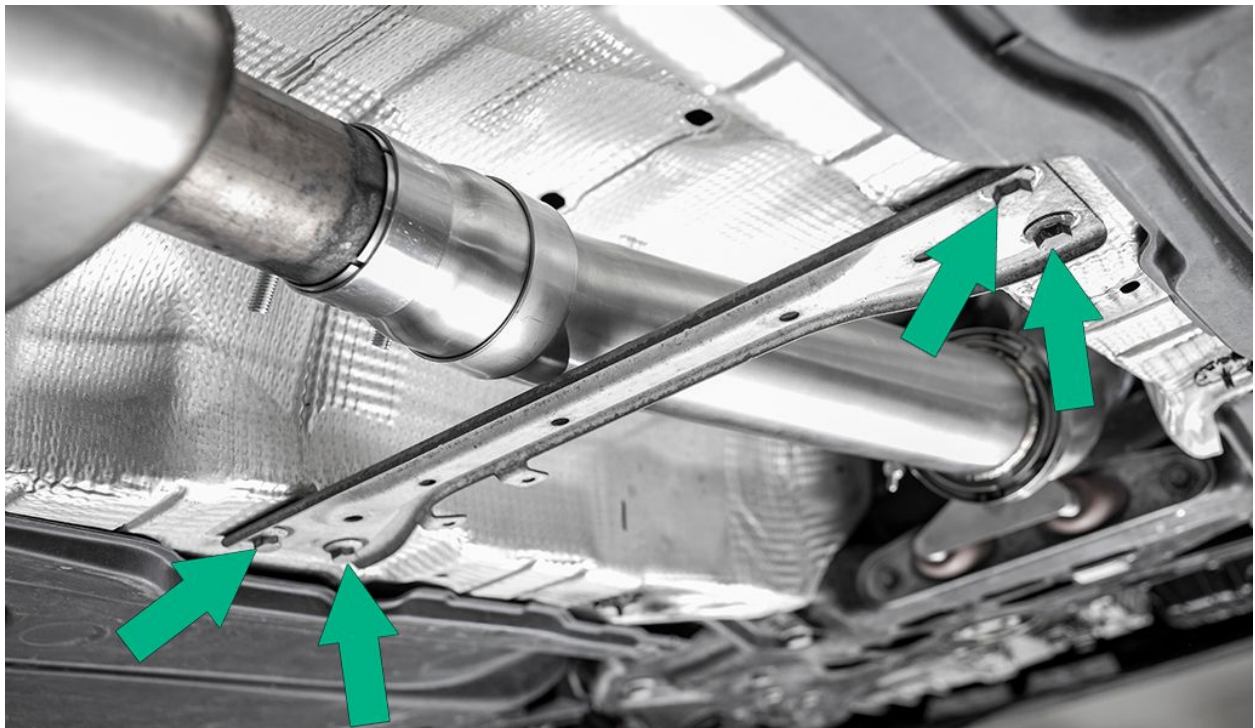
Install the supplied v-band clamp to the downpipe and midpipe flanges. Tighten firmly with an 11mm socket.



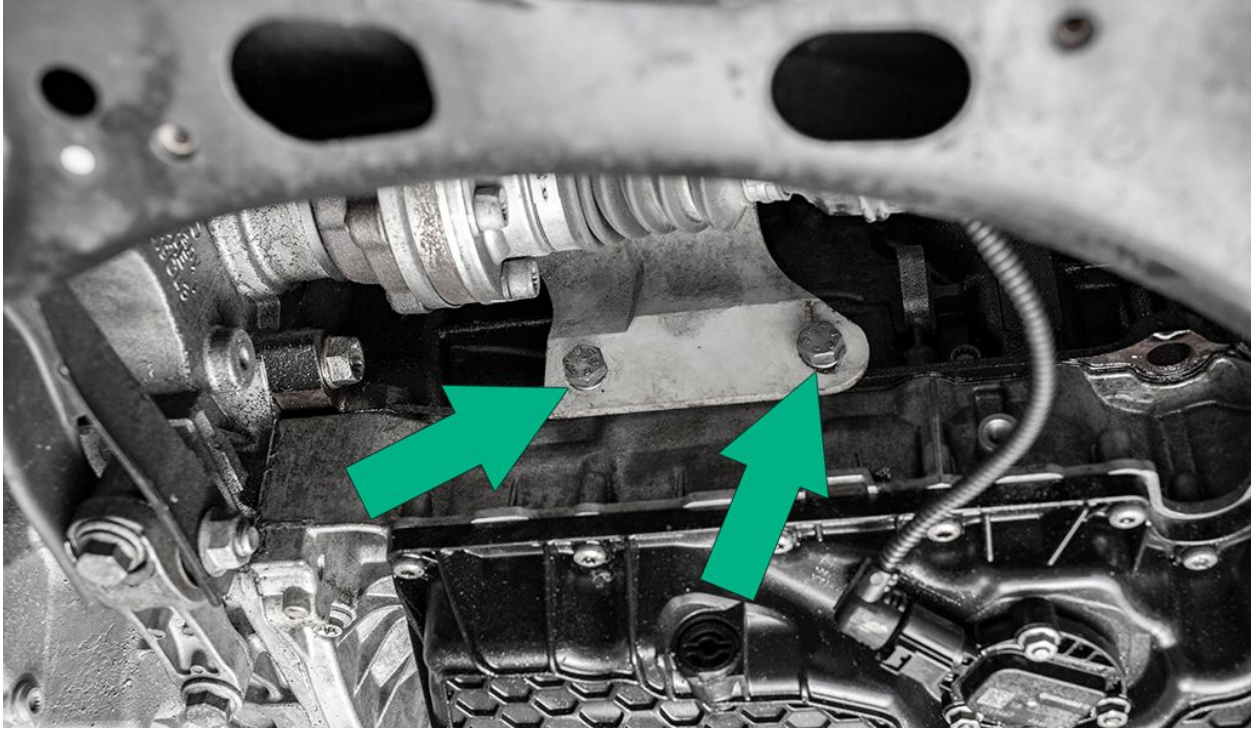
Double check that the midpipe and slip fit is properly aligned, then tighten both exhaust clamps with 15mm socket. *Note: Exhaust clamps need to be very tight, they warp to fully seal the slip-fit adapters. We recommend using an impact to completely seat them.*



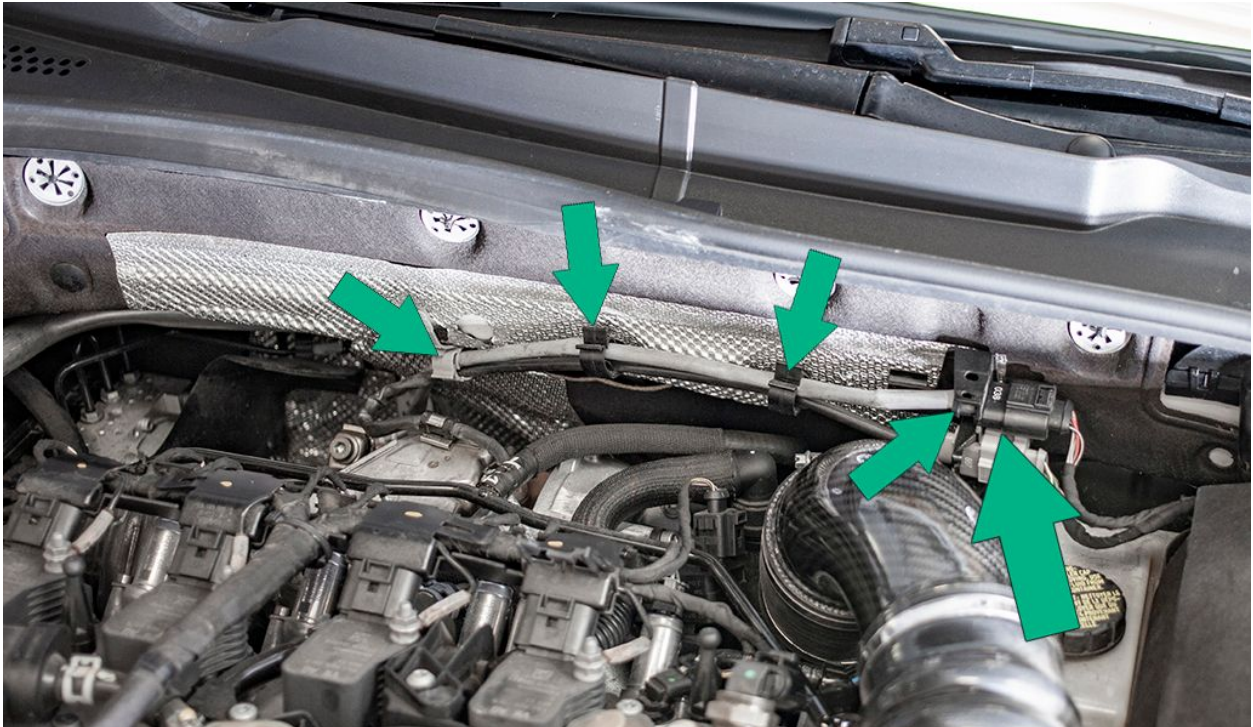
Reinstall chassis brace with 4 13mm bolts.



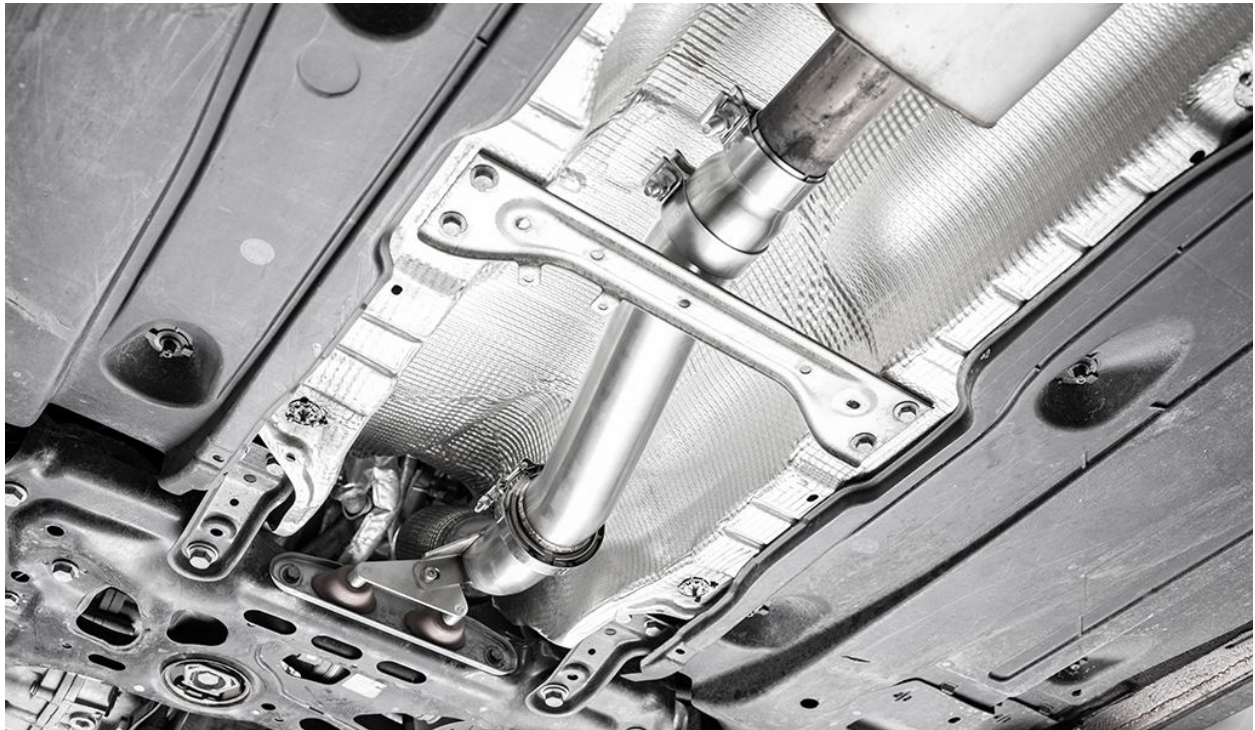
Reinstall axle heatshield with two 16mm bolts.



Reinstall the O2 sensor harness back into the clips and reconnect to vehicle harness clip .



Start your car and inspect for any exhaust leaks. After driving the car for 1-2 days, verify all bolts, nuts, and clamps are tight, exhaust is sitting straight, and there is no excessive pulling on any grommets.



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