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Integrated Engineering Audi RS3 Catback Exhaust System Install Guide IEEXCQ5

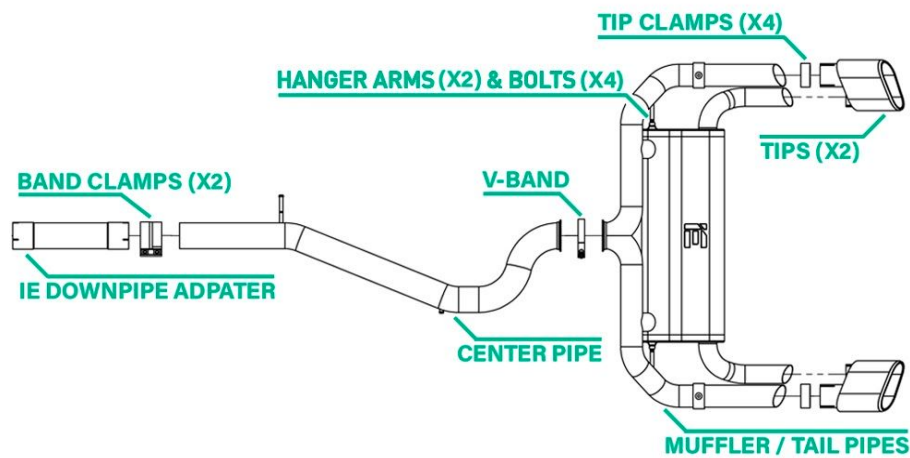
Thank you for purchasing another high quality Integrated Engineering product! This instruction guide is used for the installation of Integrated Engineering's Catback Exhaust System for RS3 (8V) 2.5T applications. Integrated Engineering is not responsible for any damage caused by incorrect installation.

Kit Contents:

- (1) Muffler section
- (1) Center pipe section
- (1) Downpipe adapter (for use with IE downpipe)
- (2) Exhaust tips
- (4) Exhaust tip clamps
- (1) V band clamp
- (2) Center pipe band clamps
- (2) Mount arms
- (4) Mount arm flange nuts

Optional Components (sold separately):

- Y-pipe Adapter Kit (for stock downpipe)



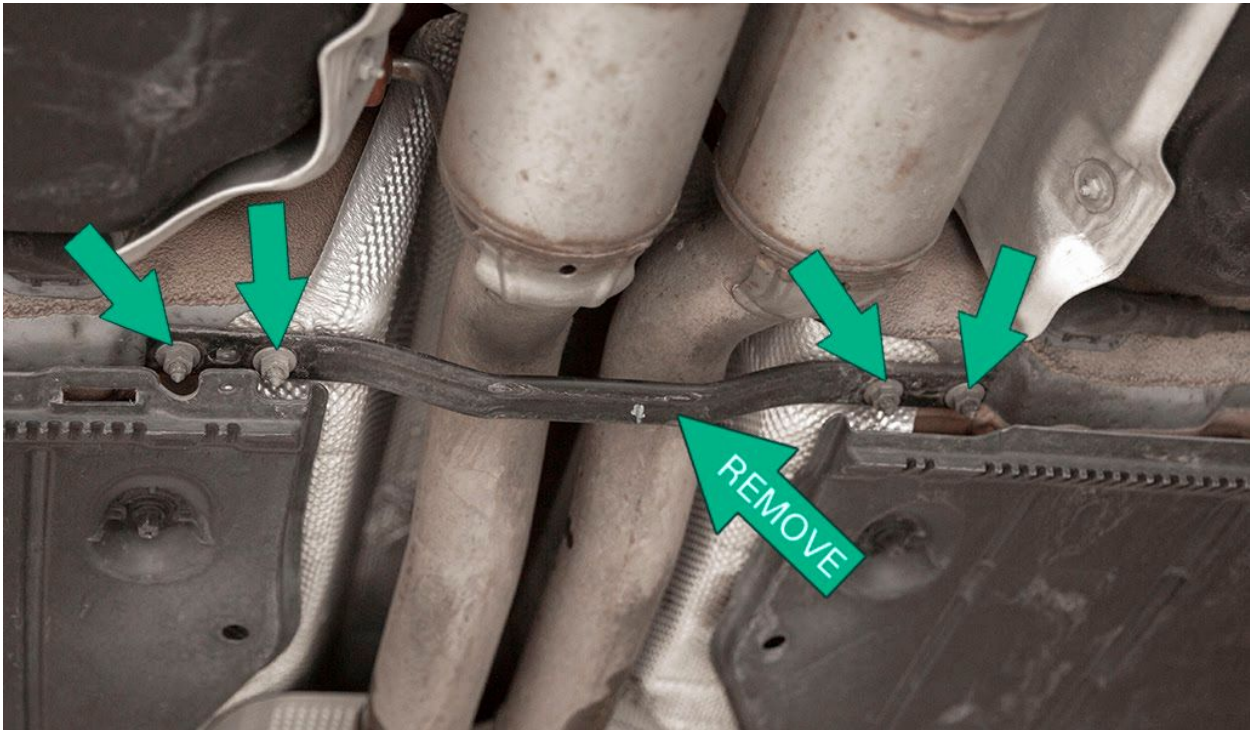
Open your IE Downpipe Kit, inspect all components, and verify their quantities. Properly rack the vehicle on an auto lift or jack stands and open the hood.



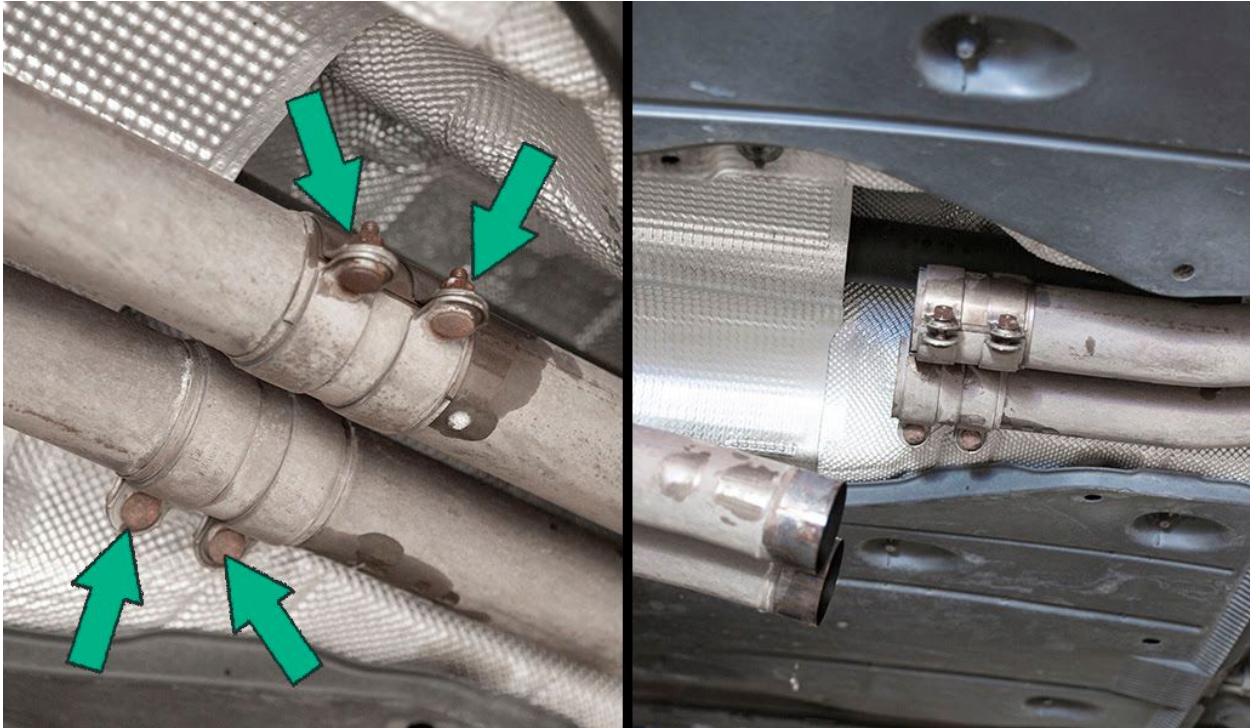
Allow the car to completely cool before beginning this install procedure, exhaust systems are hot and can cause serious injury.



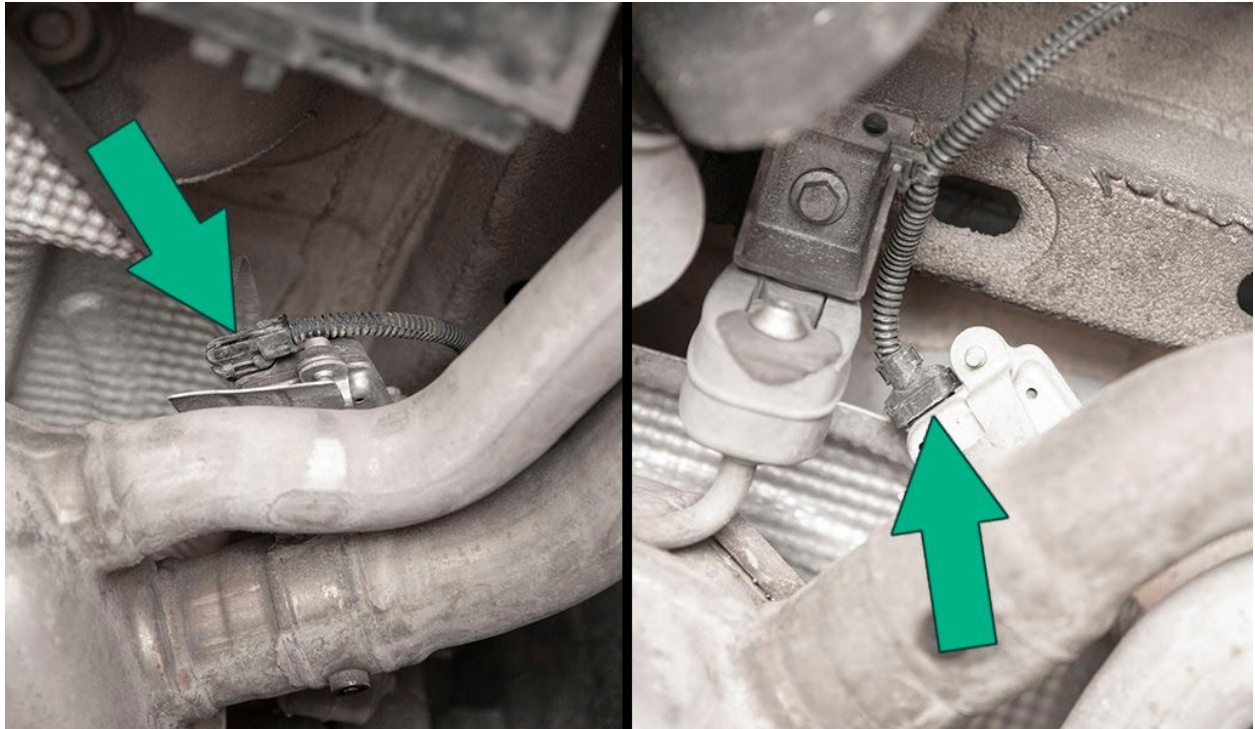
Remove the 4 nuts from the exhaust cross brace using a 13mm socket. Remove the cross brace. *Note: Your new IE catback exhaust is too large for reinstallation of this bracket.*



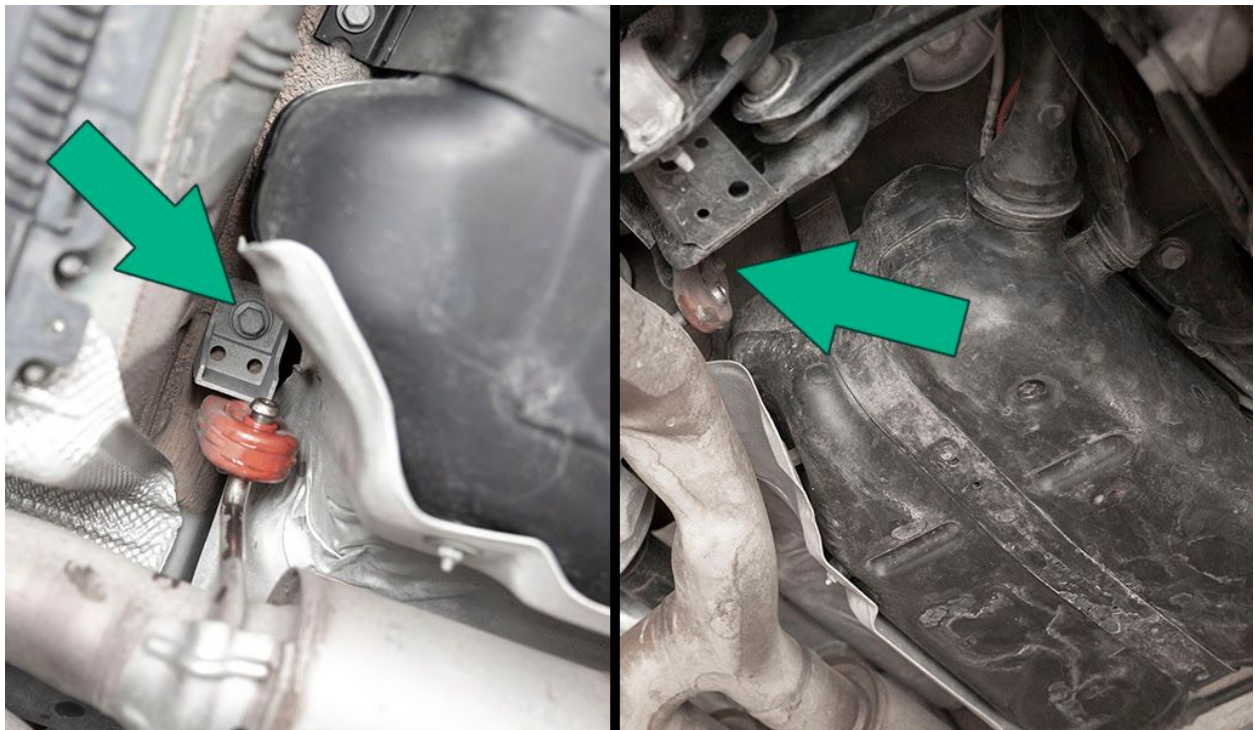
Loosen both downpipe to catback exhaust clamps with a 13mm wrench. Slide clamps onto catback to disconnect both halves.



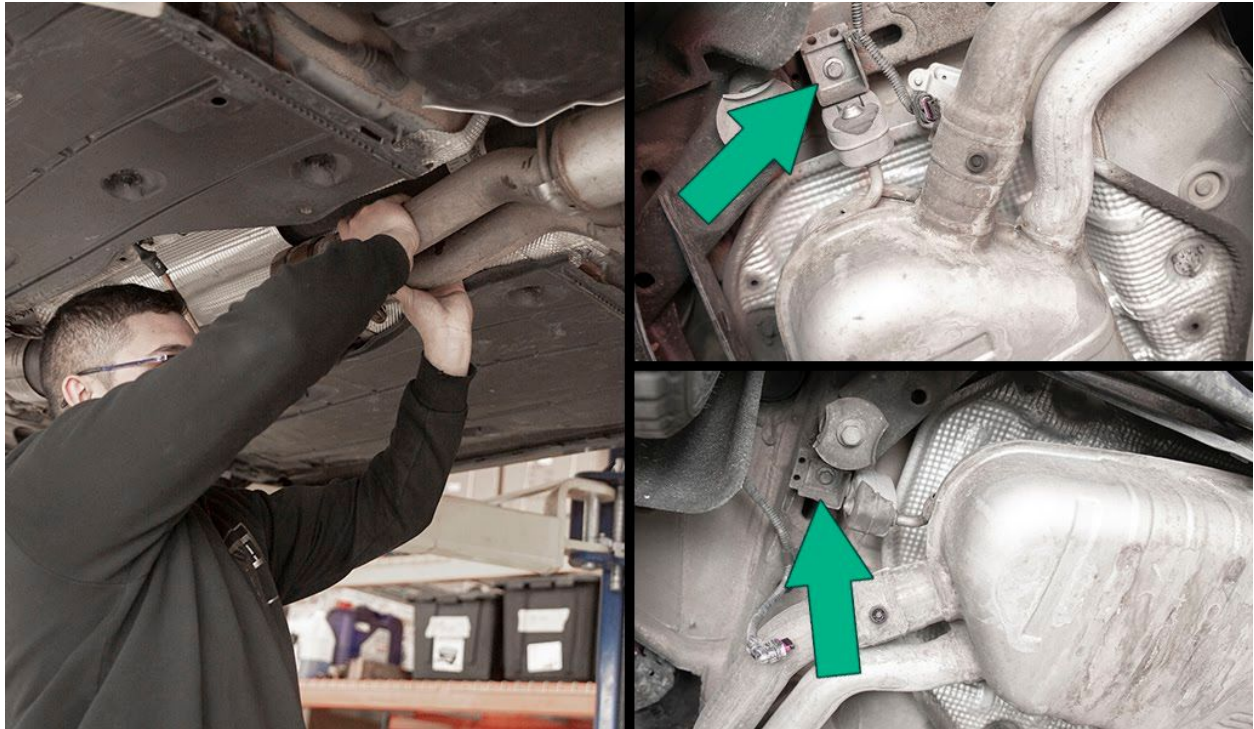
Disconnect both harness connectors from the exhaust valves..



Remove the forward exhaust hanger bracket with a 13mm socket. Pry the center exhaust hanger off.



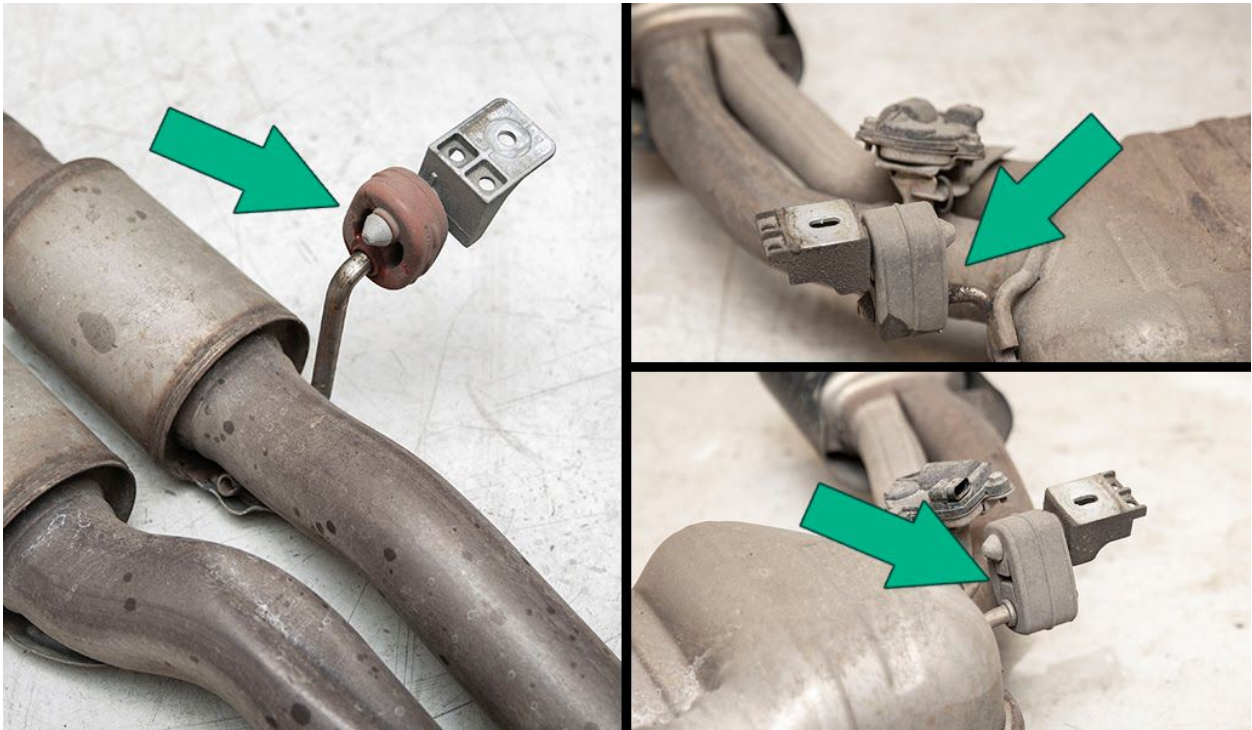
Support the catback system safely and remove both rear exhaust hangers with a 13mm socket.



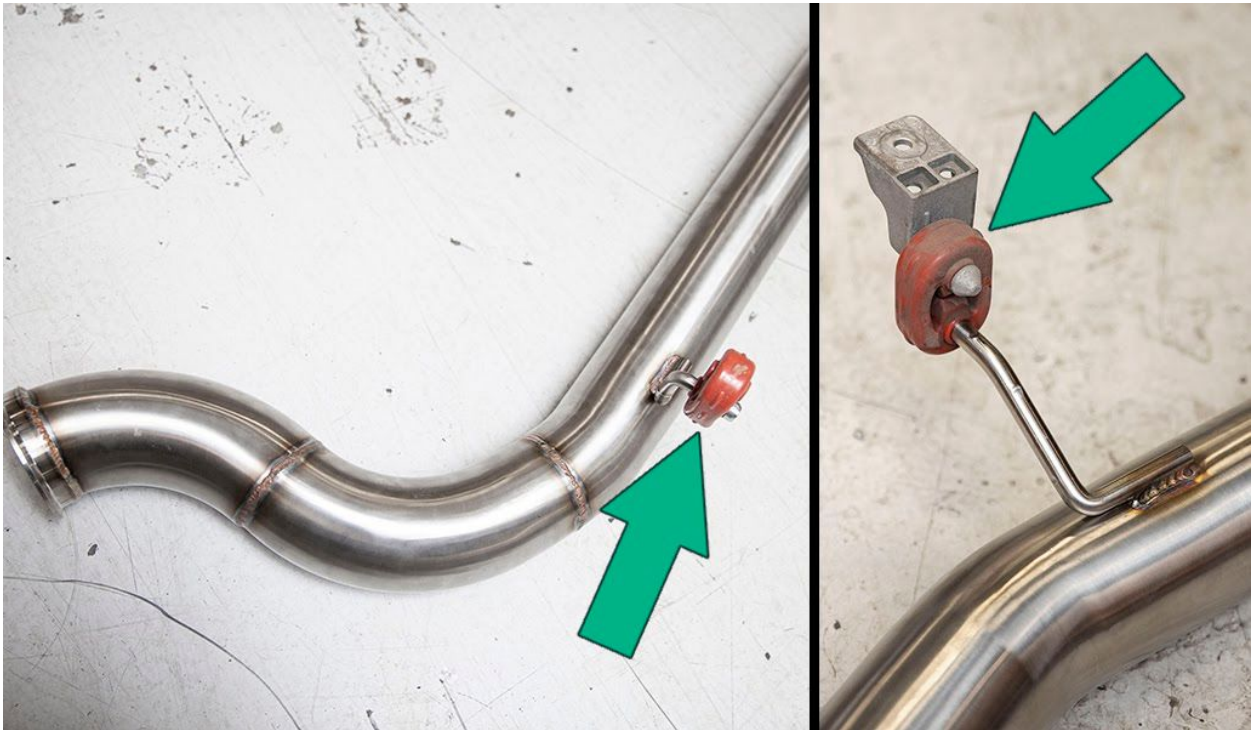
The factory exhaust is now able to be lowered out of the vehicle. An extra set of hands is recommended for safe removal. **Catback is heavy, take care removing.**



Pry all the factory exhaust hangers off the factory catback. **Keep note of where these are located for reinstallation.**



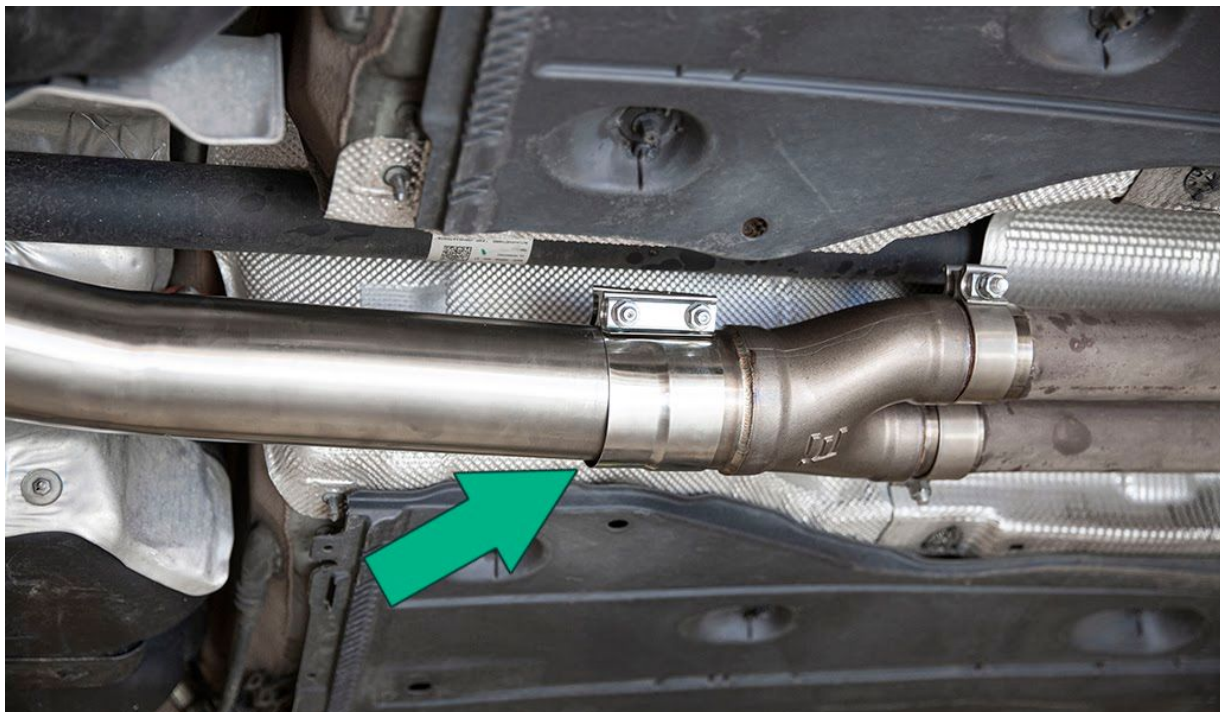
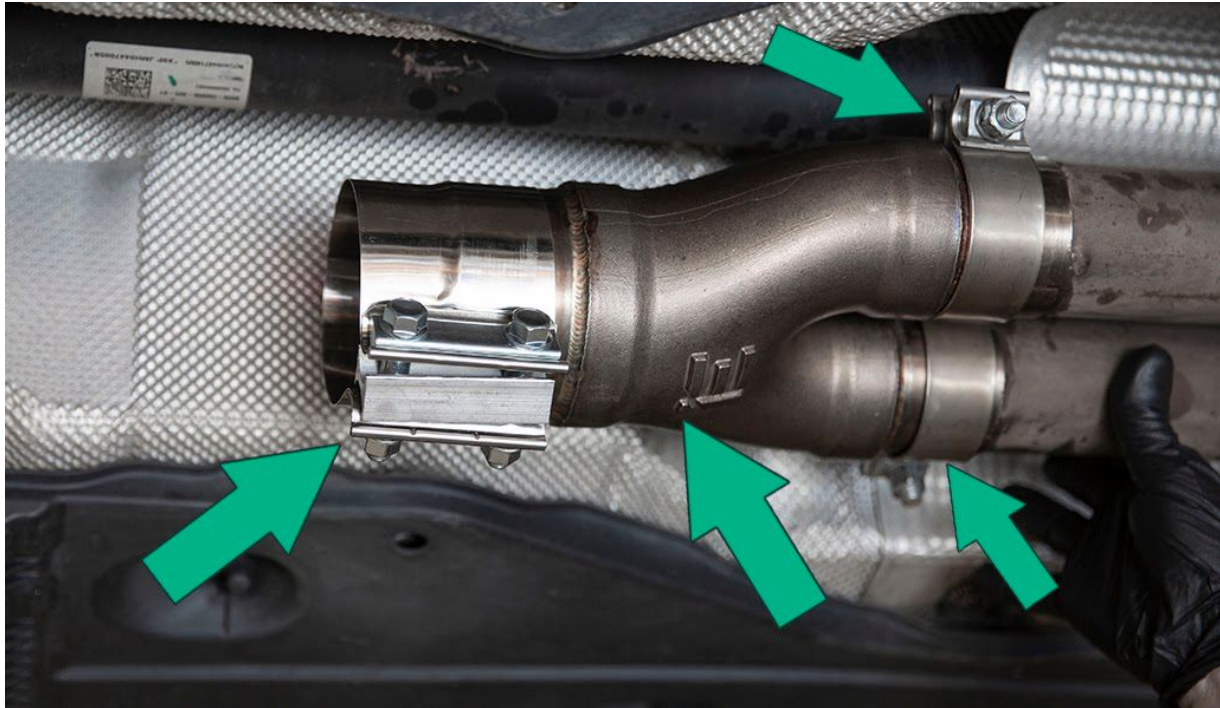
Install the rear and center exhaust hangers onto your new IE center pipe as shown.



IF YOU ARE INSTALLING WITH A STOCK DOWNPIPE

For a direct install to your stock downpipe, an IE Y-Pipe Adapter Kit is required (PN: IEEXCQ3). **SOLD SEPARATELY**

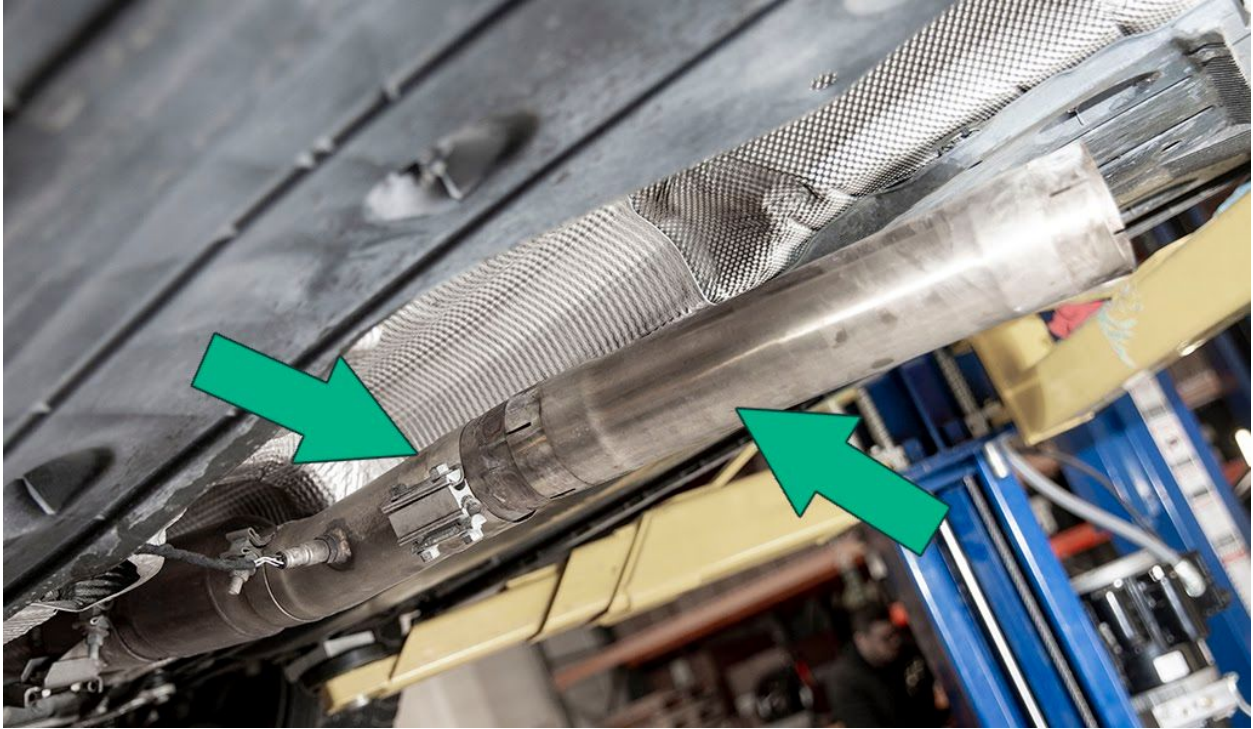
Install the y-pipe adapter kit and clamps to your factory downpipe. Install the IE center pipe into the y pipe adapter. *Do not tighten clamps in this step.*



IF YOU ARE INSTALLING WITH AN IE DOWNPIPE: IEEXCQ01

An adapter pipe for your IE downpipe kit is included with this catback kit for a direct install. **if you have not already, install your IE downpipe kit at this point.**

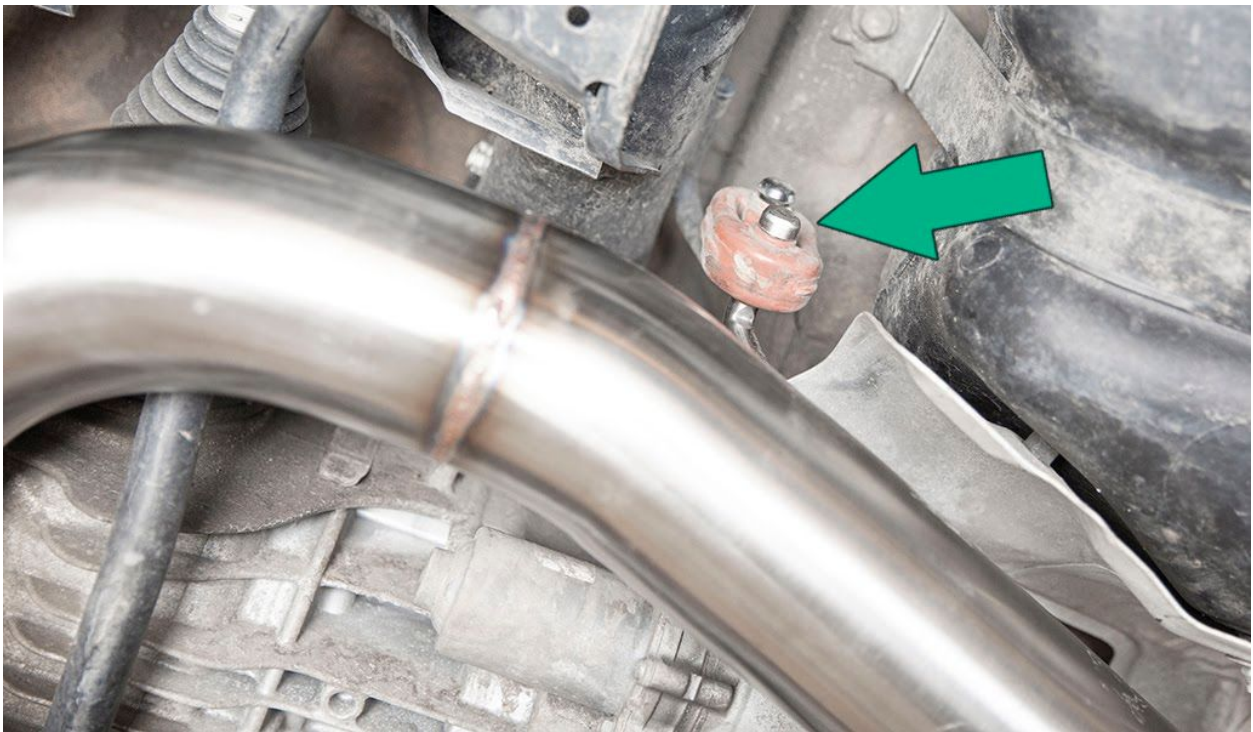
Install the downpipe adapter, band clamps and center pipe to your IE downpipe loosely.



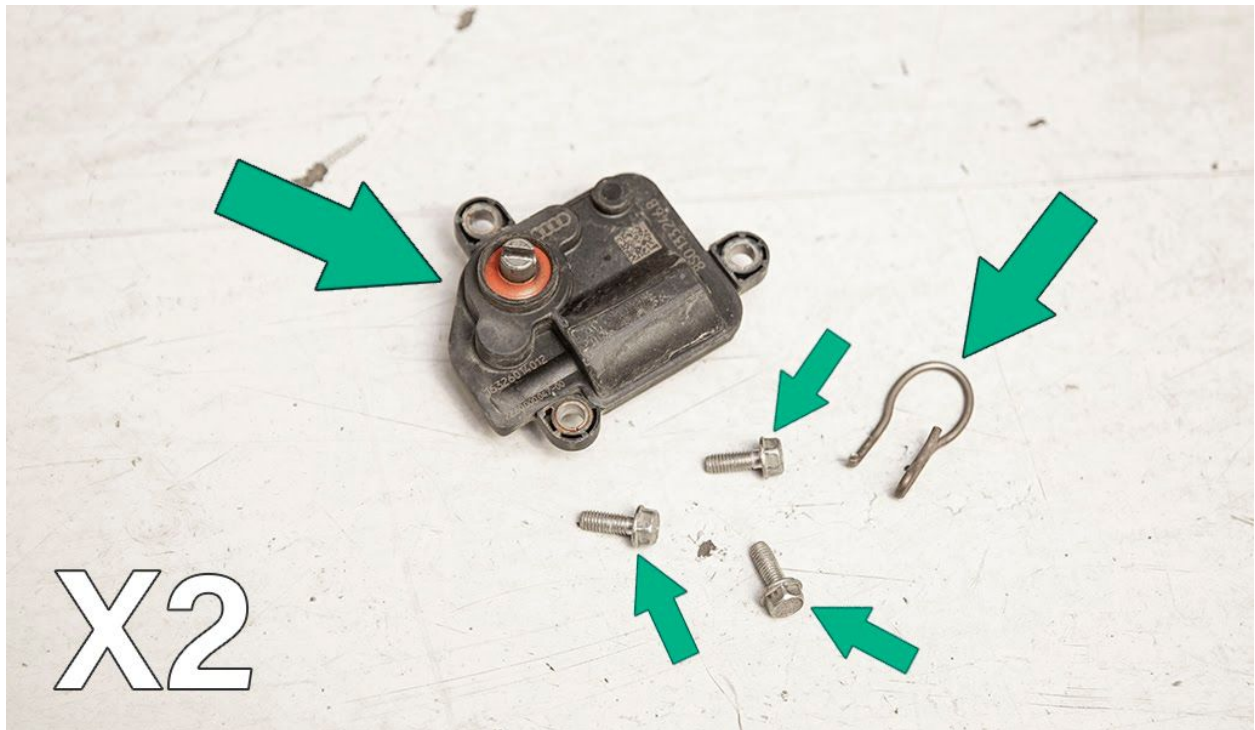
Hold the center pipe into place and reinstall the forward exhaust hanger bracket with a 13mm socket



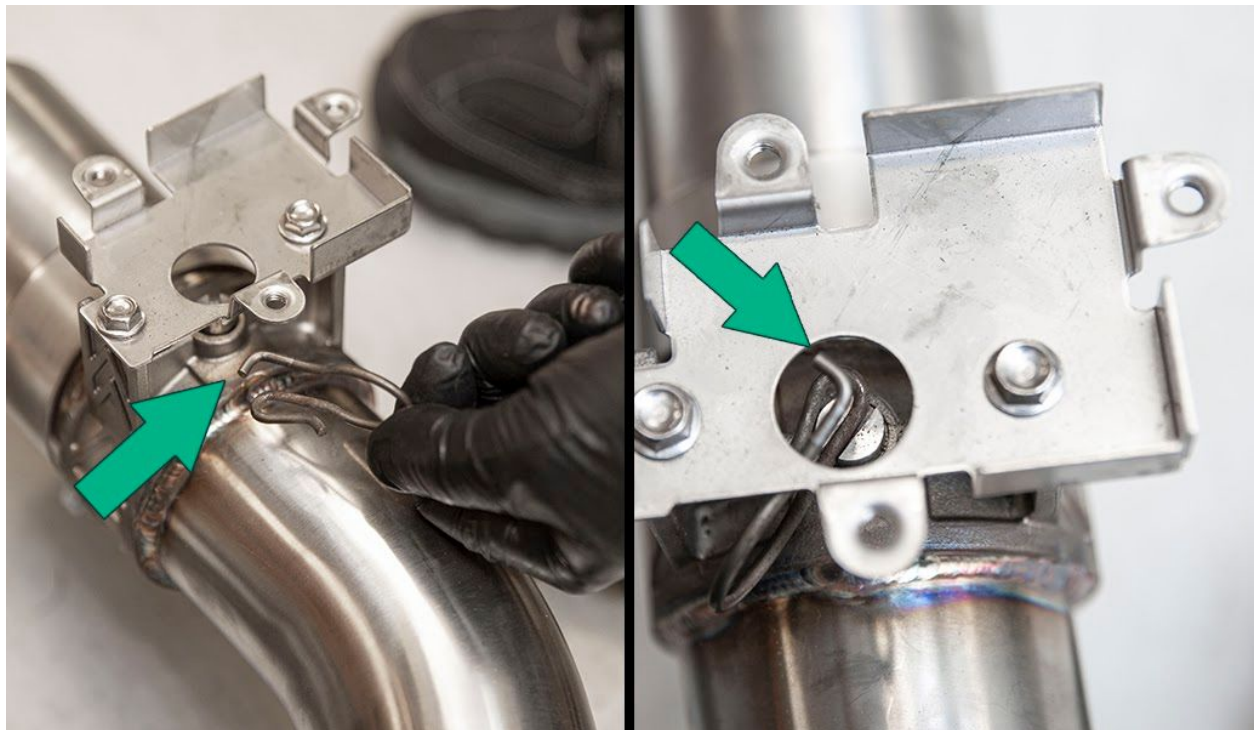
Slide the center exhaust hanger back onto the arm to secure the center pipe into place.



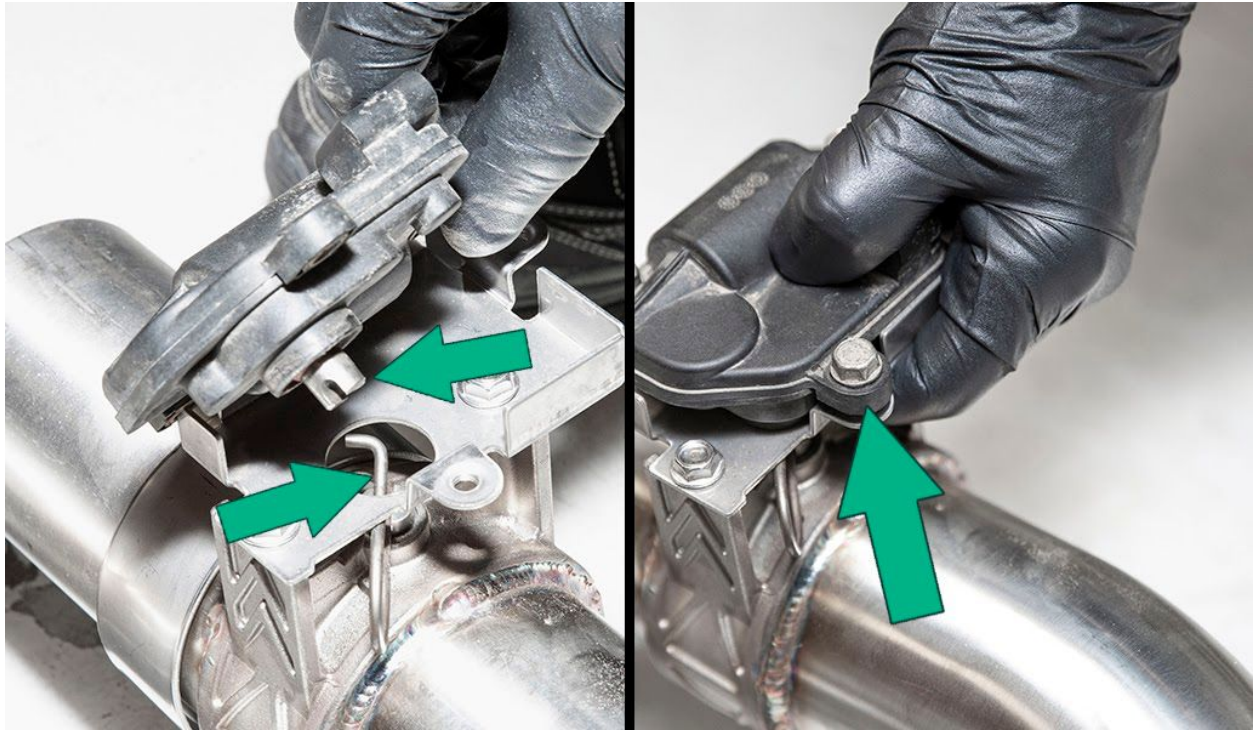
Using a 10 mm socket, remove all (6) bolts, (2) valve actuators, and (2) actuator springs from both sides of the factory catback. **Pay close attention to the removal process for reinstallation.**



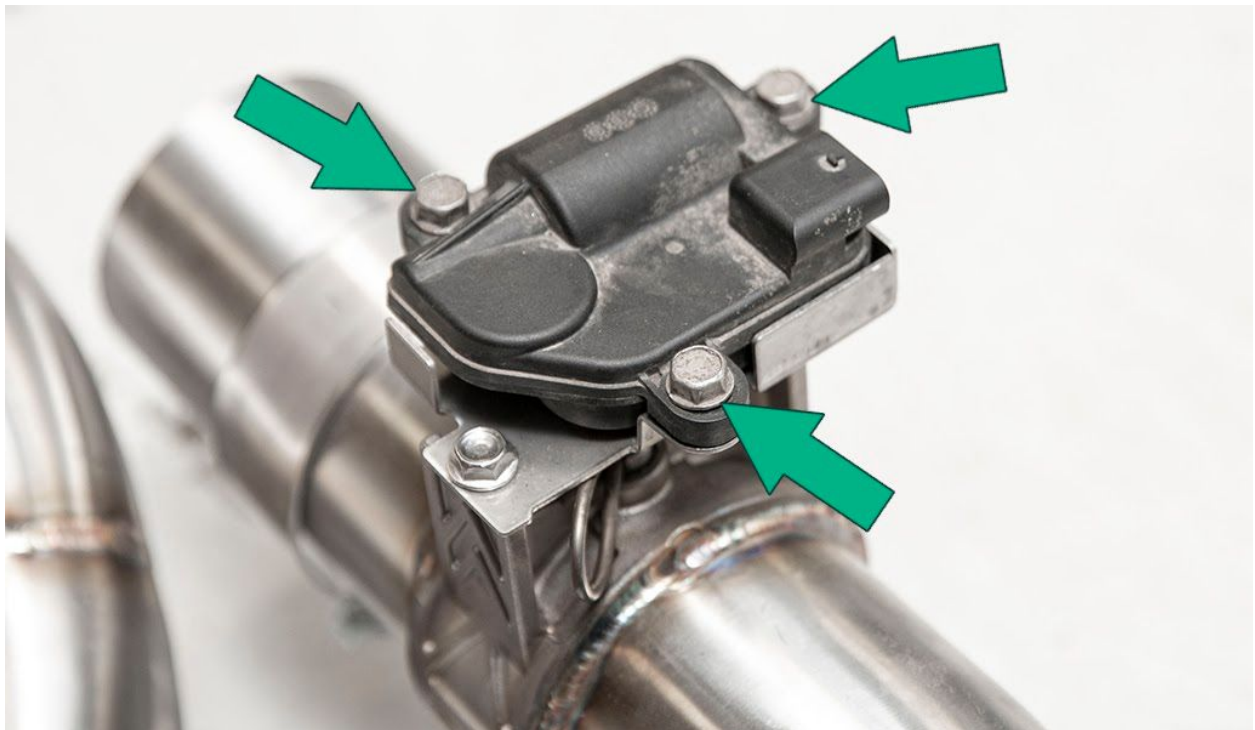
Align the spring with the actuator on the IE catback as shown below.



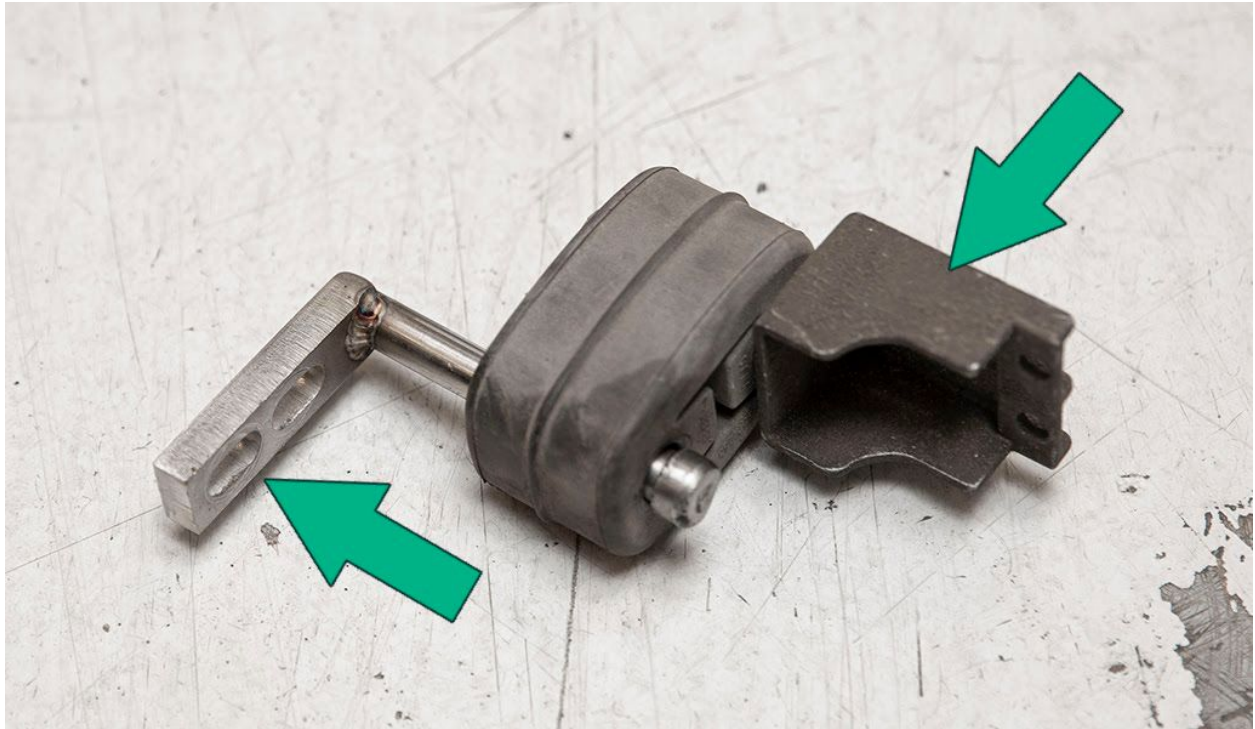
Align the valve actuator with the spring and actuator bracket. Pinch tension on the motor while finger tightening the bolts to the factory bracket.



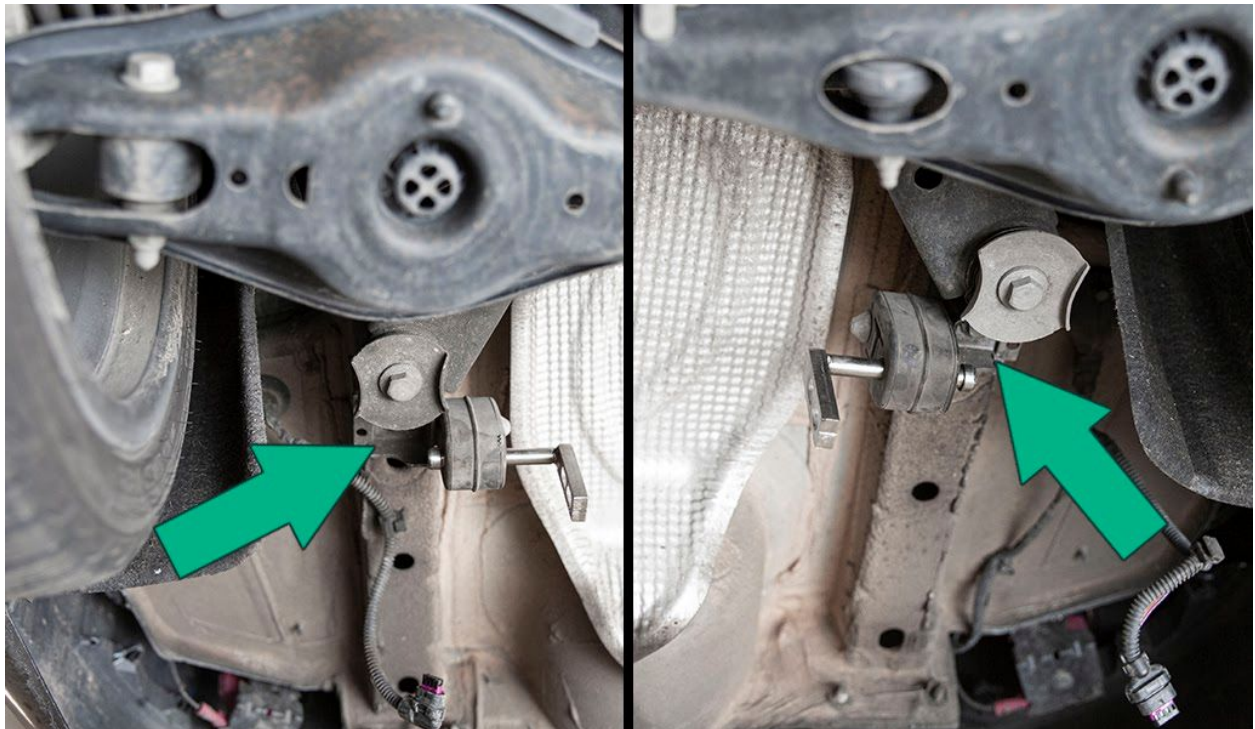
Inspect the valve actuator is properly aligned and the actuator spring is seated. Tighten bolts with 10mm socket and repeat process on opposite side valve assembly.



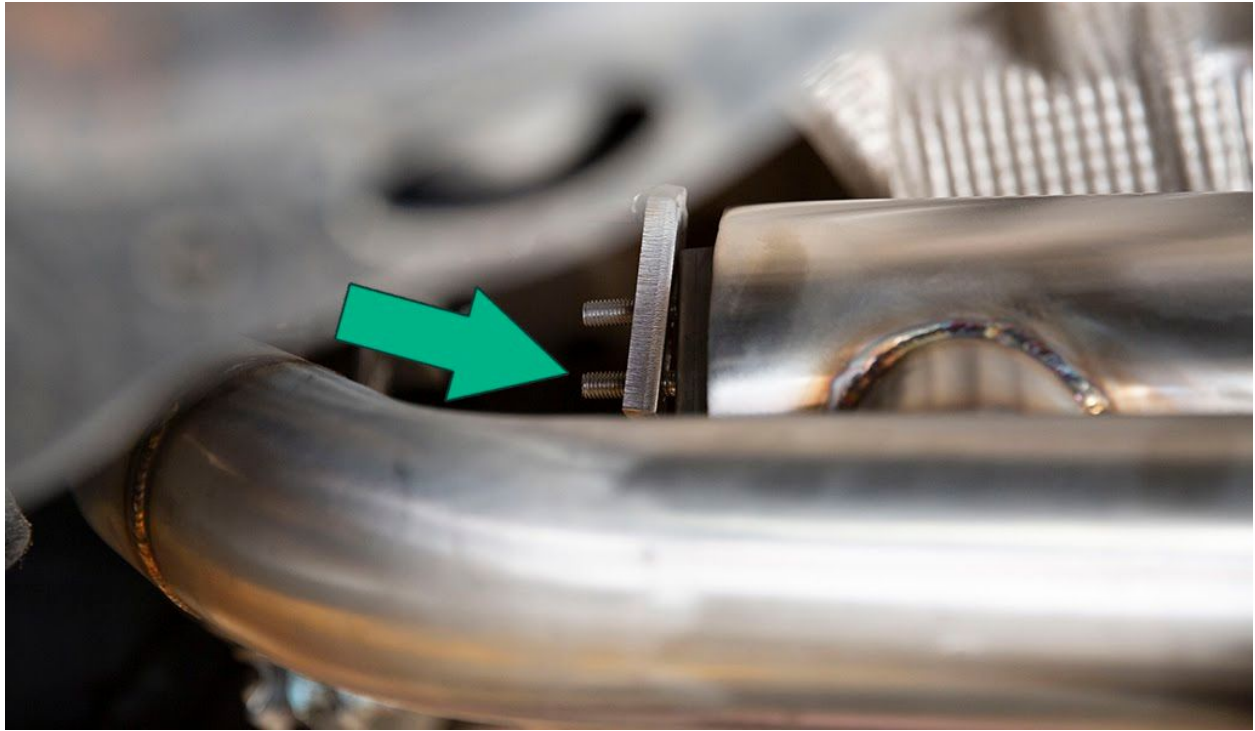
Insert the IE exhaust hanger arm into the factory rear catback hangers.



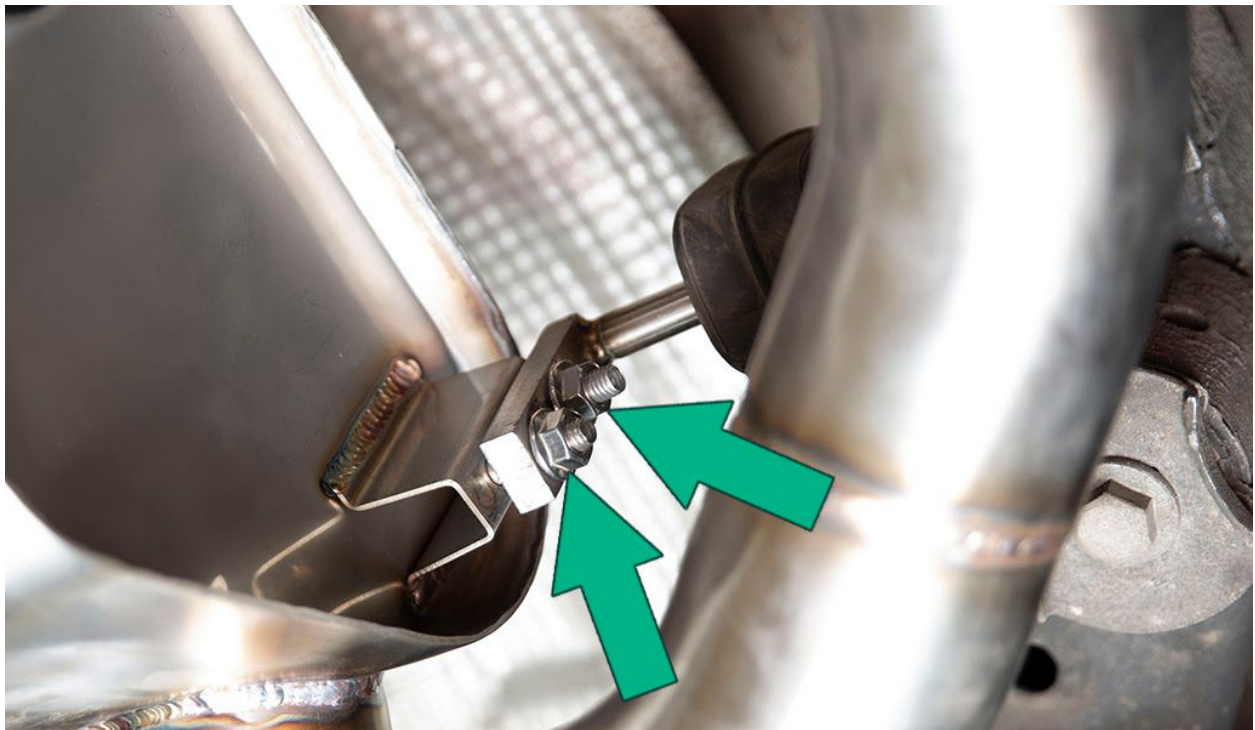
Reinstall both hanger brackets back to the chassis with a 13mm socket.



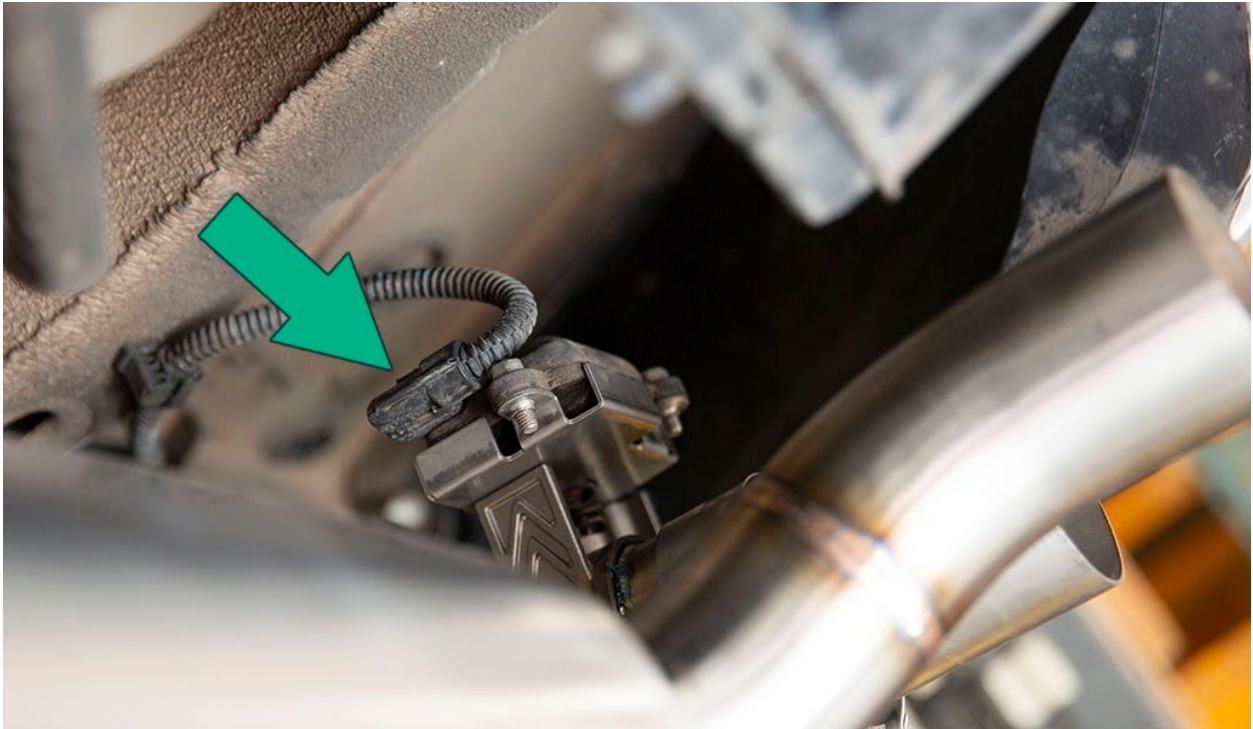
Lift the IE catback into place in the rear of the vehicle, hanging the mount studs loosely into the hanger arms.



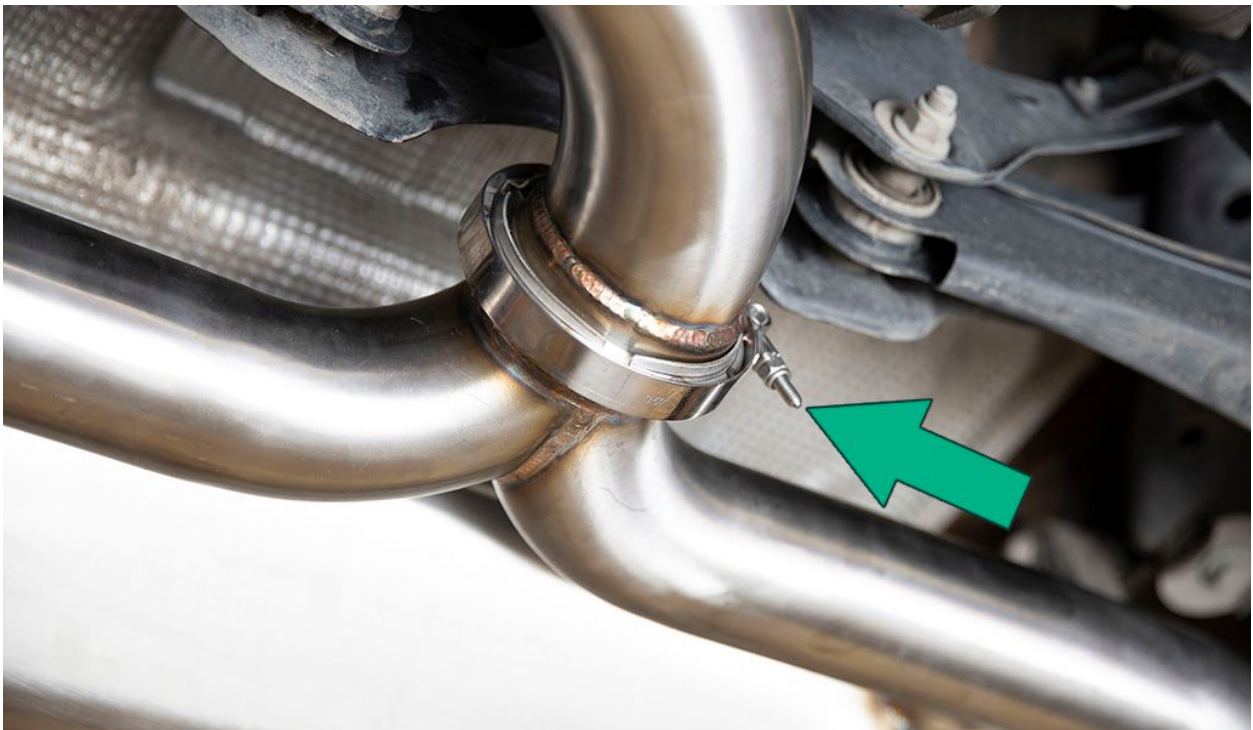
Finger tighten the four included flange nuts to both sides of the catback hanger assemblies.



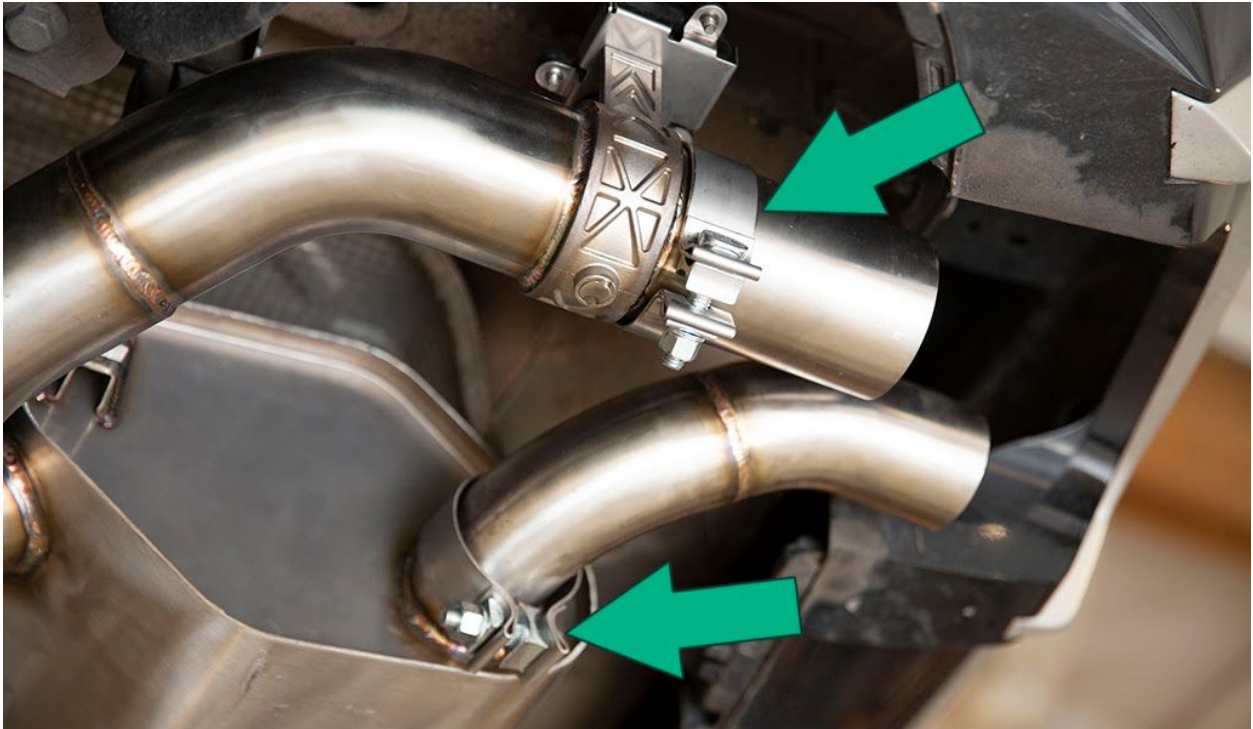
Reconnect both valve actuator harnesses to the valve actuators.



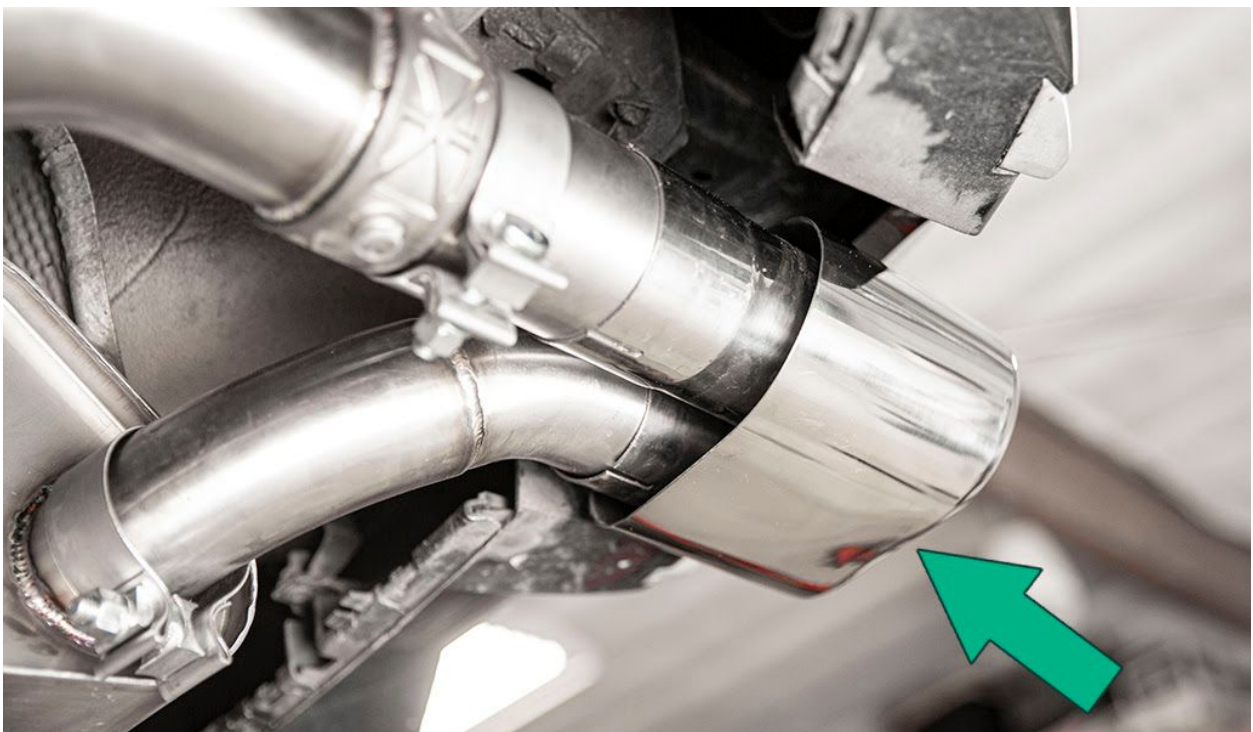
Line up the v band flanges on the catback and center pipe then install the included v band clamp. Tighten with an 11mm socket.



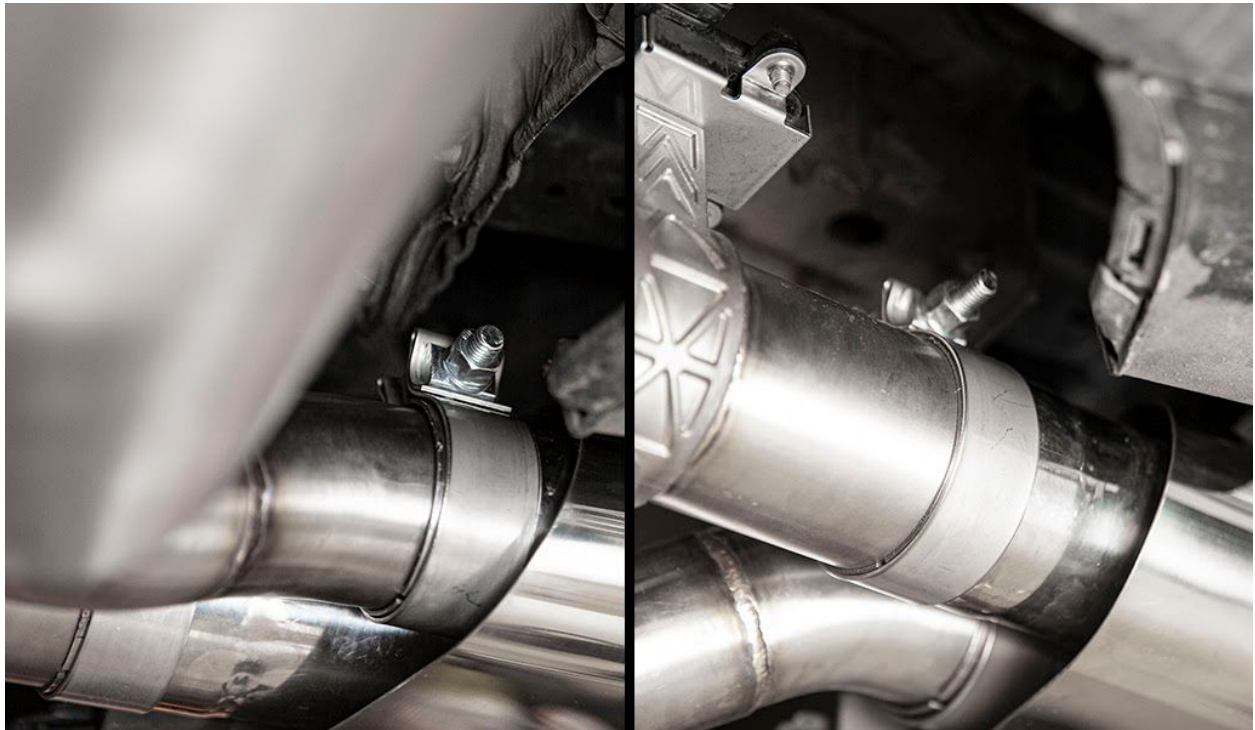
Loosely install all 4 exhaust tip band clamps onto the tail pipes.



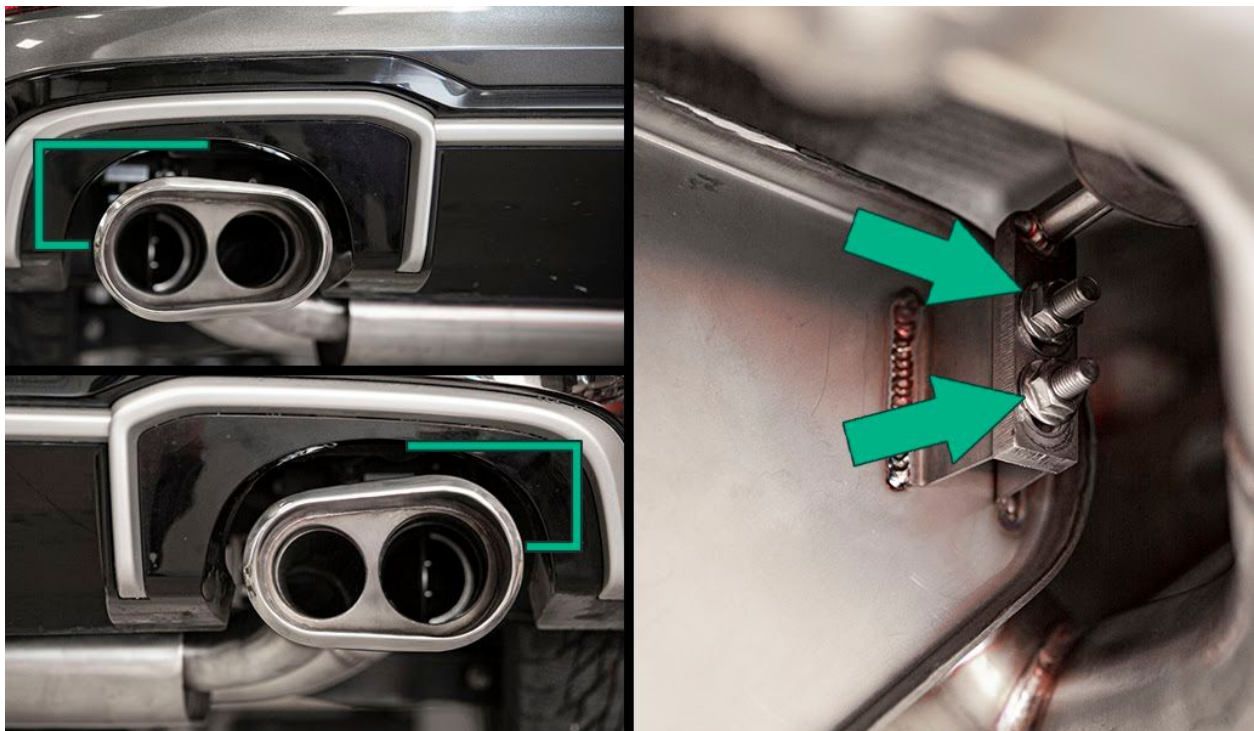
Line up the tip with the correct side of the downpipe and slide on to desired depth. There is a fair amount of adjustability, final tip depth is up to personal taste. (Early Exhaust Tip design pictured below. Yours will look different, but the install is the same)



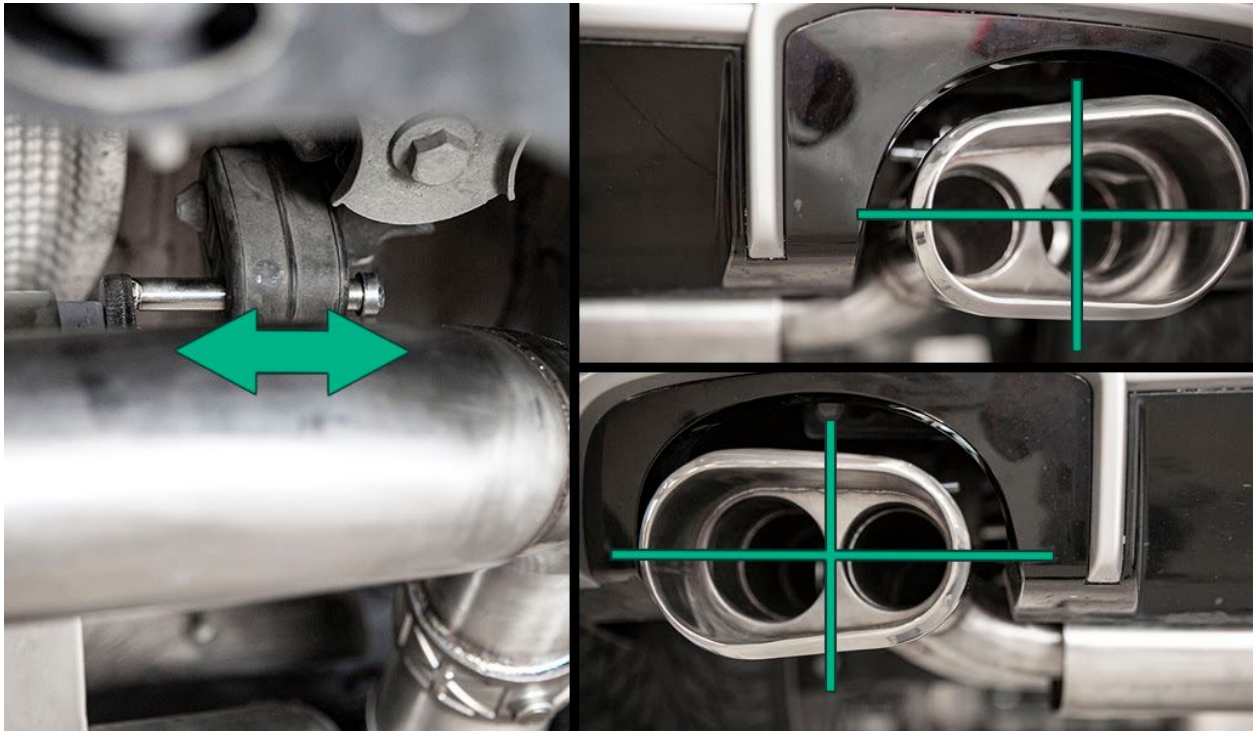
When you are happy with your tip depth on both sides and install is even, tighten all 4 band clamps firmly. *Note: make sure you are happy with install depth of tips before tightening clamps, once tightened adjustments become more difficult.*



Tilt catback up and down to center the tips to personal taste, once satisfied firmly tighten the flange nuts with a 13mm socket. (Early Exhaust Tip design pictured below. Yours will look different, but the install is the same)



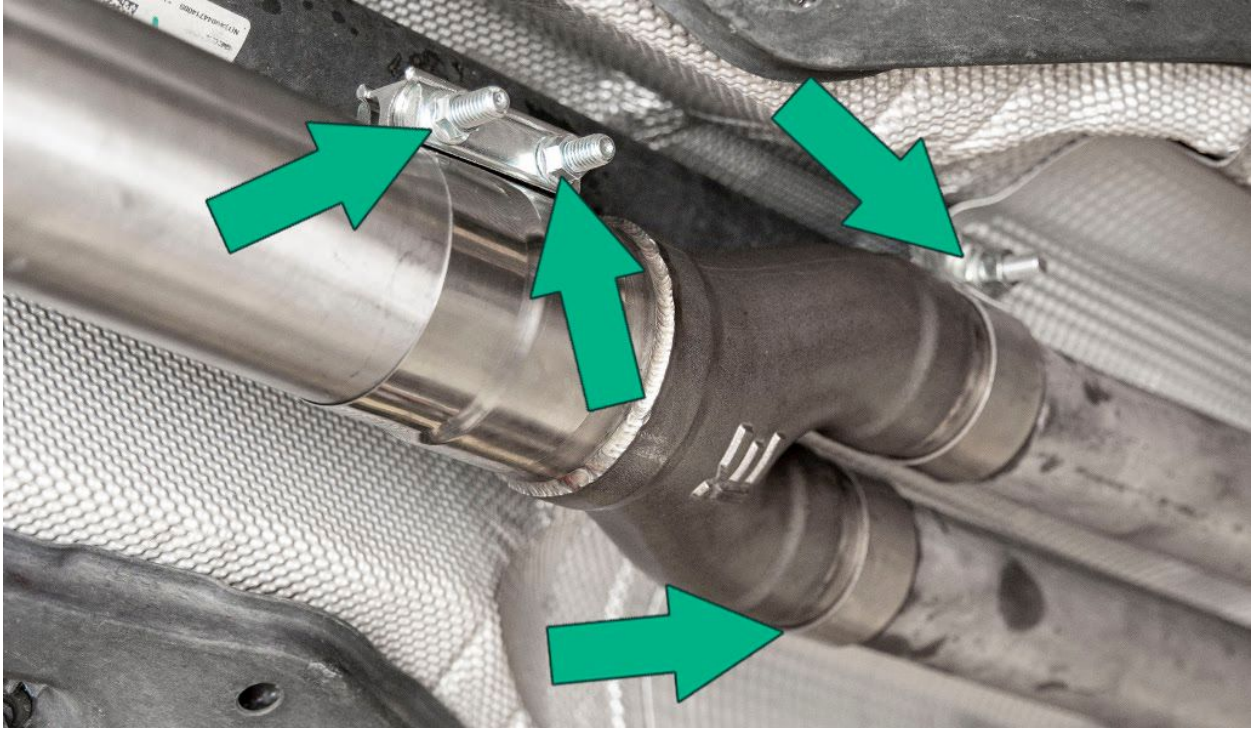
Slide the catback assembly side to side on the exhaust hangers to center the tips in the bumper. (Early Exhaust Tip design pictured below. Yours will look different, but the install is the same)



Visually check the orientation of your exhaust tips to the bumper. If anything looks out of line, repeat steps above until satisfied. (Early Exhaust Tip design pictured below. Yours will look different, but the install is the same)



Adjust the exhaust assembly until everything sits optimally without any binding or touching and with the most ground clearance. Firmly tighten all exhaust clamps. *We recommend using a strong impact gun, the clamps must stretch, but not crush the pipe to fully tighten against leaks.*



With IE downpipe:



Start your car, allow it to reach temp. Listen for any exhaust leaks or signs of vibration/rubbing.



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. -Enjoy the new performance and sound of your new IE 2.5T Exhaust System!

Integrated Engineering
sales@performancebyie.com
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