

PERFORMANCE BY



INSTALLATION GUIDE

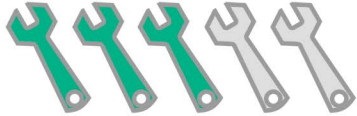
IE CATBACK EXHAUST SYSTEM FOR MK7/7.5 GOLF R & 8V S3

IEEXCI7, IEEXCI8, IEEXCI9



This installation guide is for instructional purposes only. For best results, professional installation by an experienced technician is always recommended. By reading this guide you agree Integrated Engineering is not responsible for any damage or personal injury caused by incorrect installation.

DIFFICULTY



Expect 1 - 1.5 Hours on average

REQUIRED TOOLS

- Socket Wrench
- 13mm Socket
- 15mm Socket
- 8mm Socket
- 4mm Hex or Allan
- Torque Wrench
- Extra pair of hands, also known as a wrenching buddy.

BEFORE YOU BEGIN

It is highly recommended to pre-read this entire guide ahead of your installation to familiarize yourself with each step. Always park your vehicle in a safe and level location and allow plenty of time for the engine bay and exhaust to completely cool. Locate and prepare your work space with each required tool listed above. Unbox all components and verify the contents and quantities before you begin. If anything is missing or damaged, please contact us for immediate help at support@performancebyie.com

REQUIRED PARTS

- No additional parts are required for this install

OPTIONAL PARTS

- IE Downpipe (IEEXCI1)

SPECIAL NOTE:

This install guide has been photographed and written on a 2019 Golf R. Some steps and factory hardware specifications may vary depending on vehicle model, year, and region. This guide is for reference purposes only. If you are unsure of the installation procedure for any individual step or part, please seek professional help before proceeding. While this guide was shot on a MK7.5 R, the instructions will remain roughly the same for a MK7 or 8V S3



INCLUDED PARTS

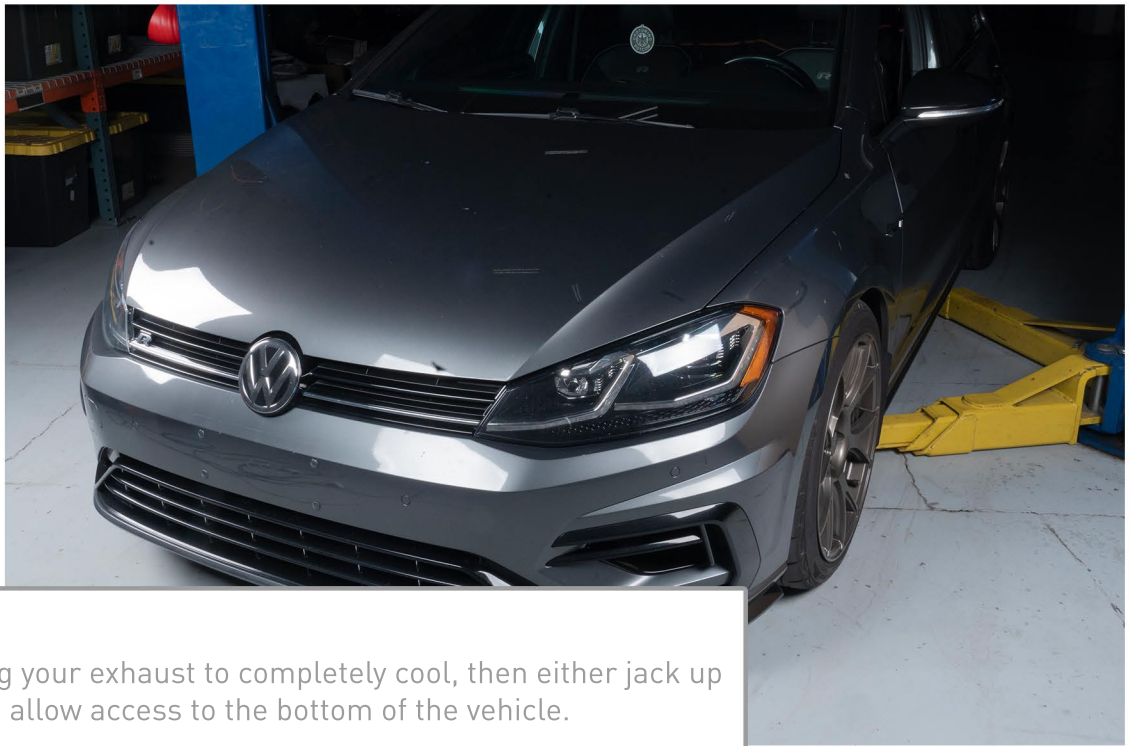
- | | |
|---|--|
| 01 - 2x 3" (76.2mm) OEM Style Exhaust Butt Clamp | 09 - Exhaust Valve Extension Harness |
| 02 - 4x 66MM Band Clamp for Exh Tips | 10 - 4x Button Head Hex Drive Screw, Passivated 18-8 Stainless Steel, M5 x 0.80 mm Thread, 10mm Long |
| 03 - Lap Joint Exhaust Band Clamp 65mm x 63.5mm | |
| 04 - 4x 2.5" Single Wall Exhaust Tip | |
| 05 - MK7/7.5 R & 8V S3 Resonator Section | |
| 06 - Lap Joint Exhaust Band Clamp 76.2mm x 73.2mm | |
| 07 - MK7.5 R Rear Muffler | |
| 08 - 3" TO OE 65MM SLIP FIT ADAPTER | |



Some items may be partially assembled.

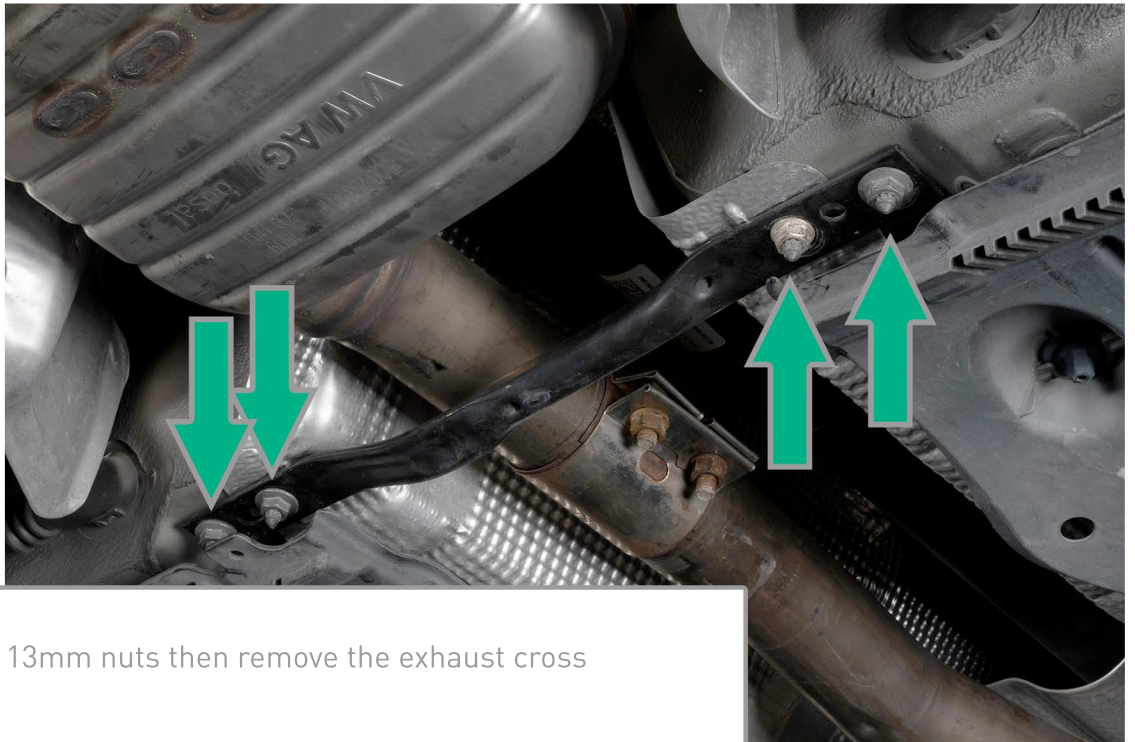


1



Begin by allowing your exhaust to completely cool, then either jack up or lift your car to allow access to the bottom of the vehicle.

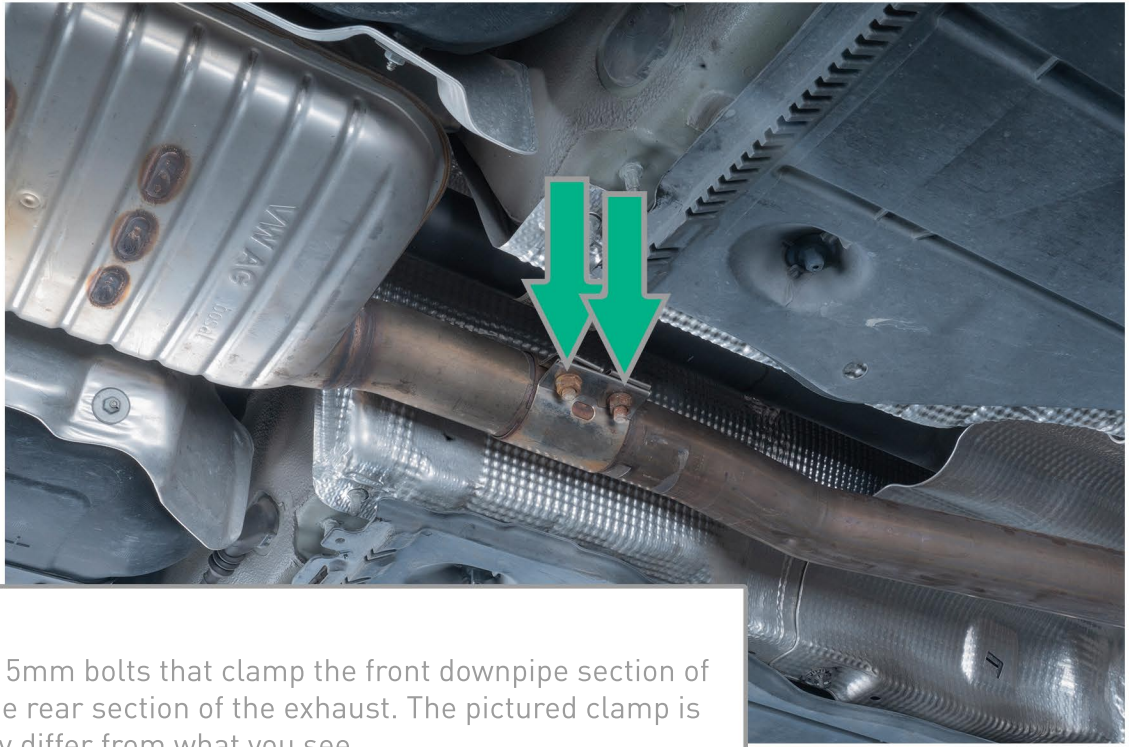
2



Remove the four 13mm nuts then remove the exhaust cross member.

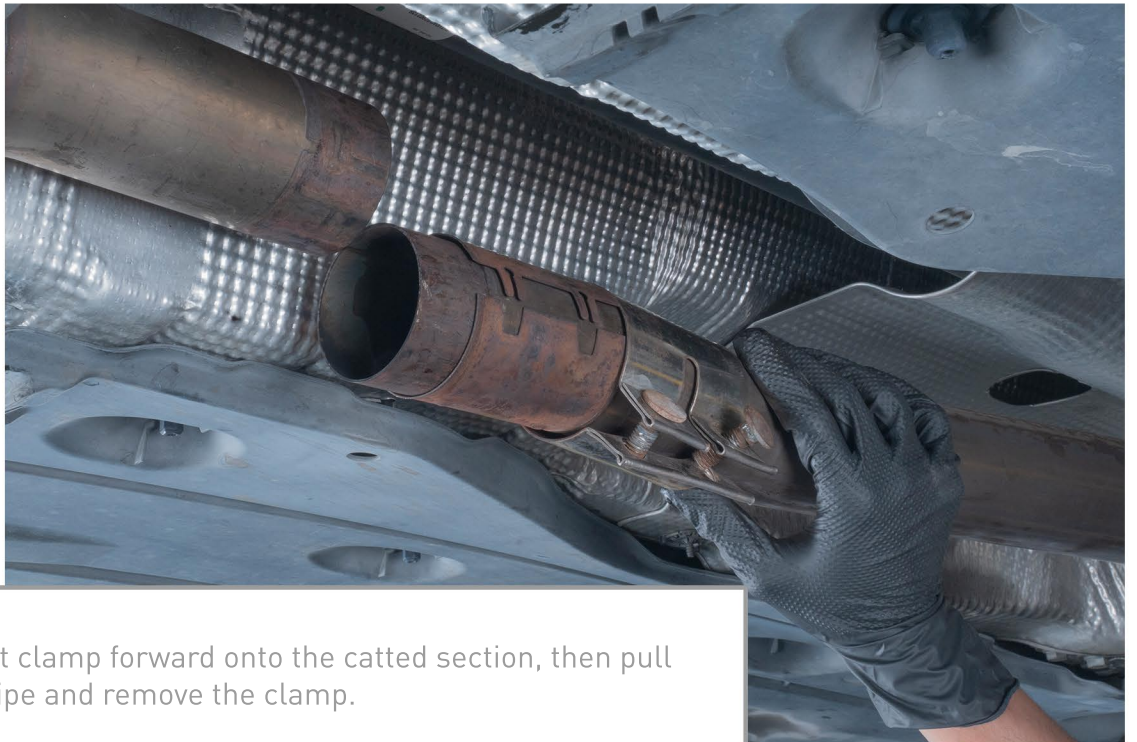


3



Loosen the two 15mm bolts that clamp the front downpipe section of the exhaust to the rear section of the exhaust. The pictured clamp is not OEM and may differ from what you see.

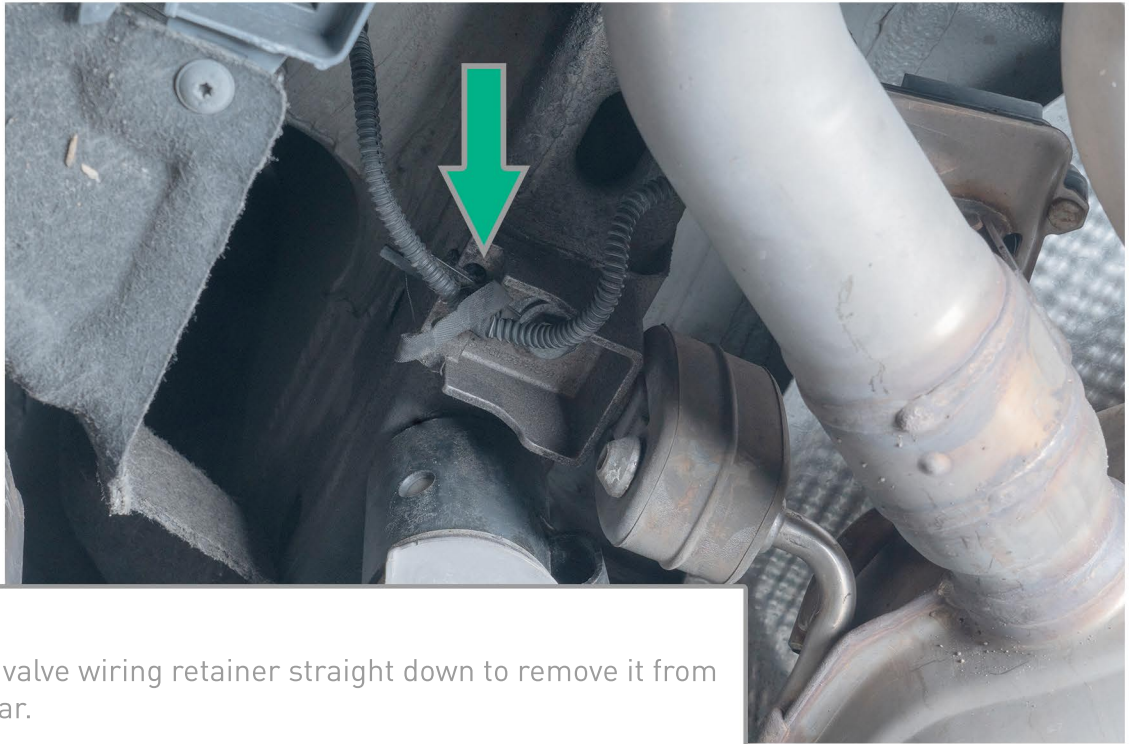
4



Push the exhaust clamp forward onto the catted section, then pull down the downpipe and remove the clamp.



5



Pull the exhaust valve wiring retainer straight down to remove it from the body of the car.

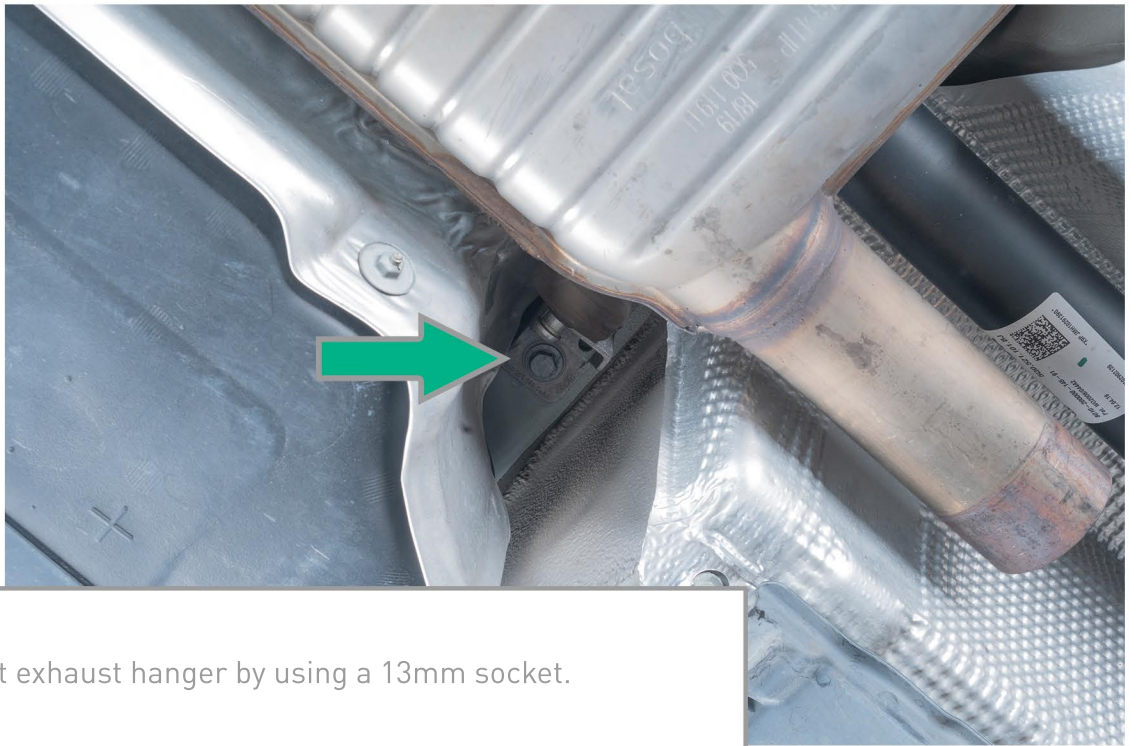
6



Pictured you will see one of the the exhaust valve harnesses. They are located on top side of each muffler section of the exhaust. To remove each plug. You pull out the gray tab and then depress it while pulling the harness away from the plug.



7



Remove the front exhaust hanger by using a 13mm socket.

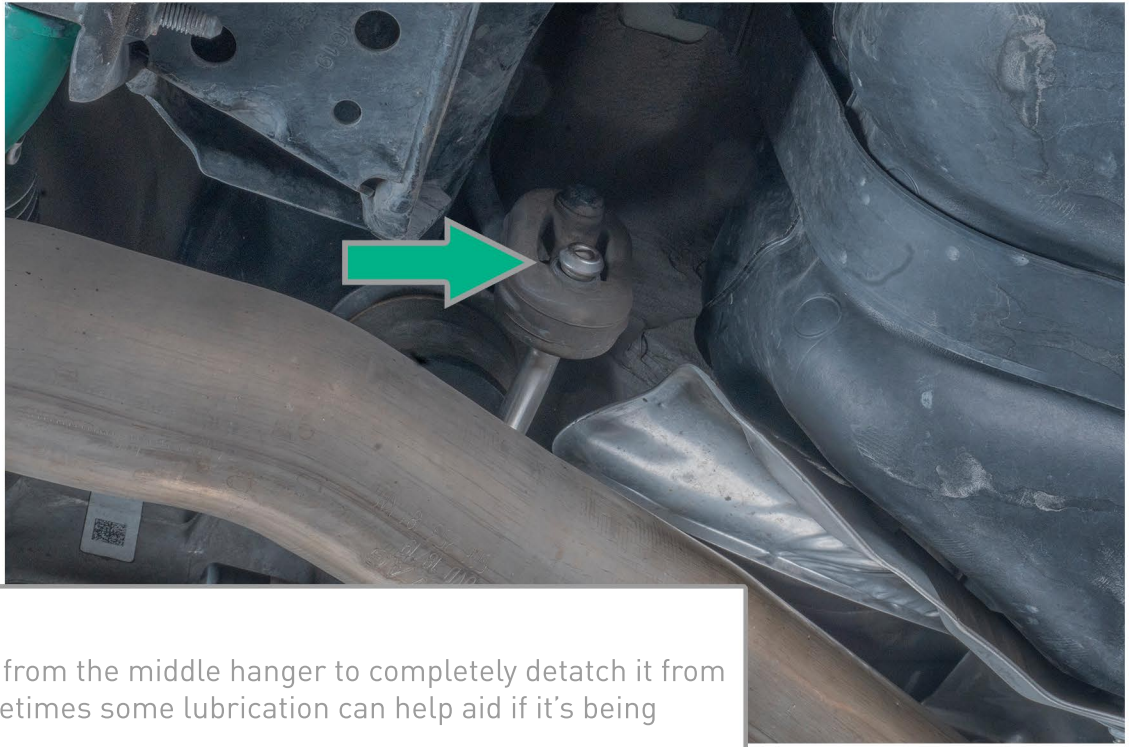
8



Remove two 13mm hanger bolts located on the rear of the exhaust. One on each side. Be aware that once both of these bolts are removed, the only thing holding the exhaust on will be the center hanger. It is beneficial to have an extra pair of hands to help aid in dropping the exhaust.

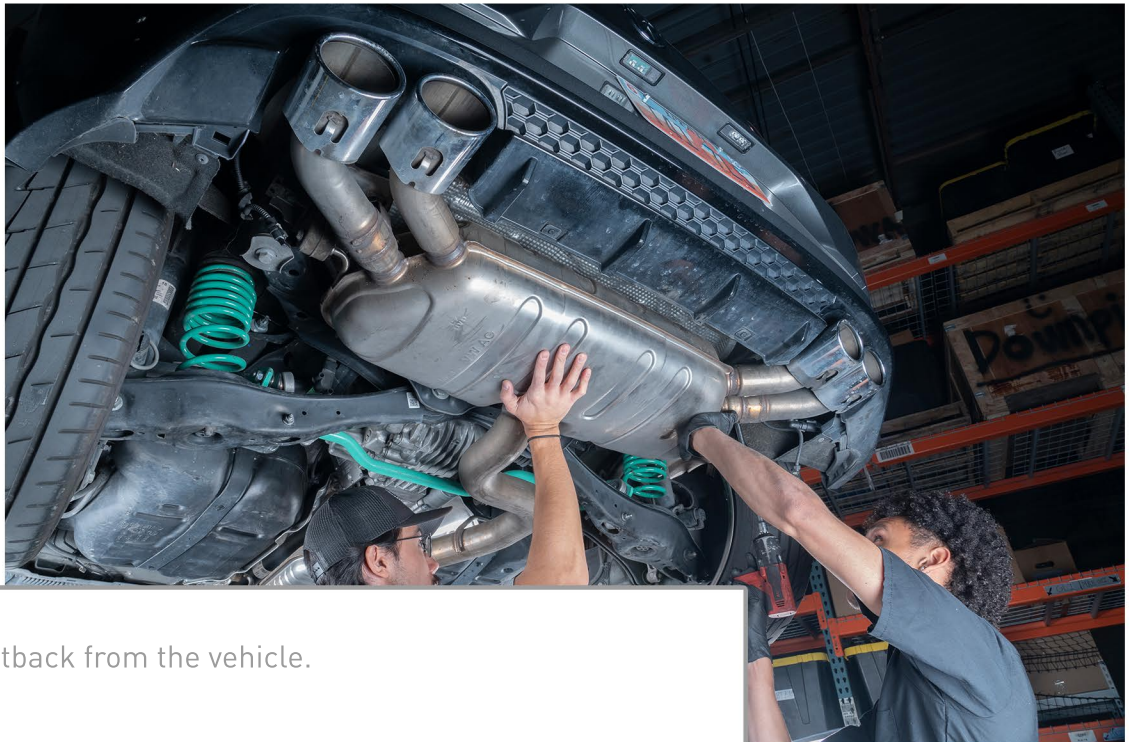


9



Pull the exhaust from the middle hanger to completely detach it from the vehicle. Sometimes some lubrication can help aid if it's being stubborn.

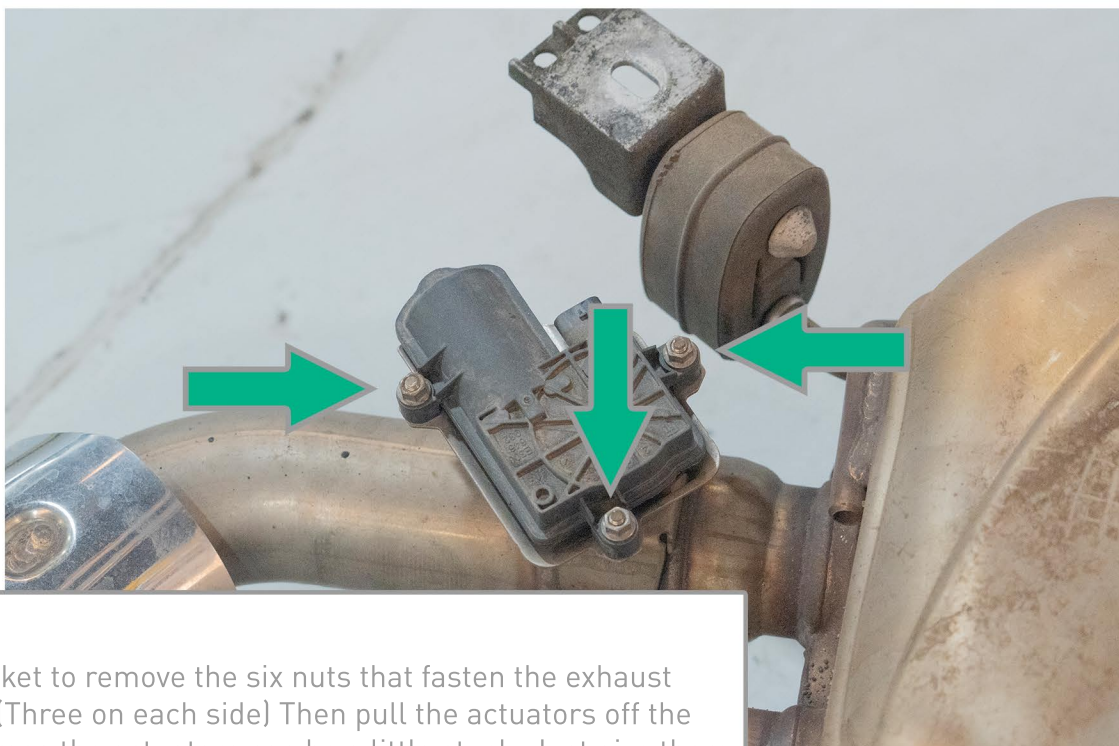
10



Lower the OE Catback from the vehicle.



11



Use an 8mm socket to remove the six nuts that fasten the exhaust valve actuators. (Three on each side) Then pull the actuators off the exhaust. Sometimes the actuators can be a little stuck. Just give them a wiggle and pull straight up.

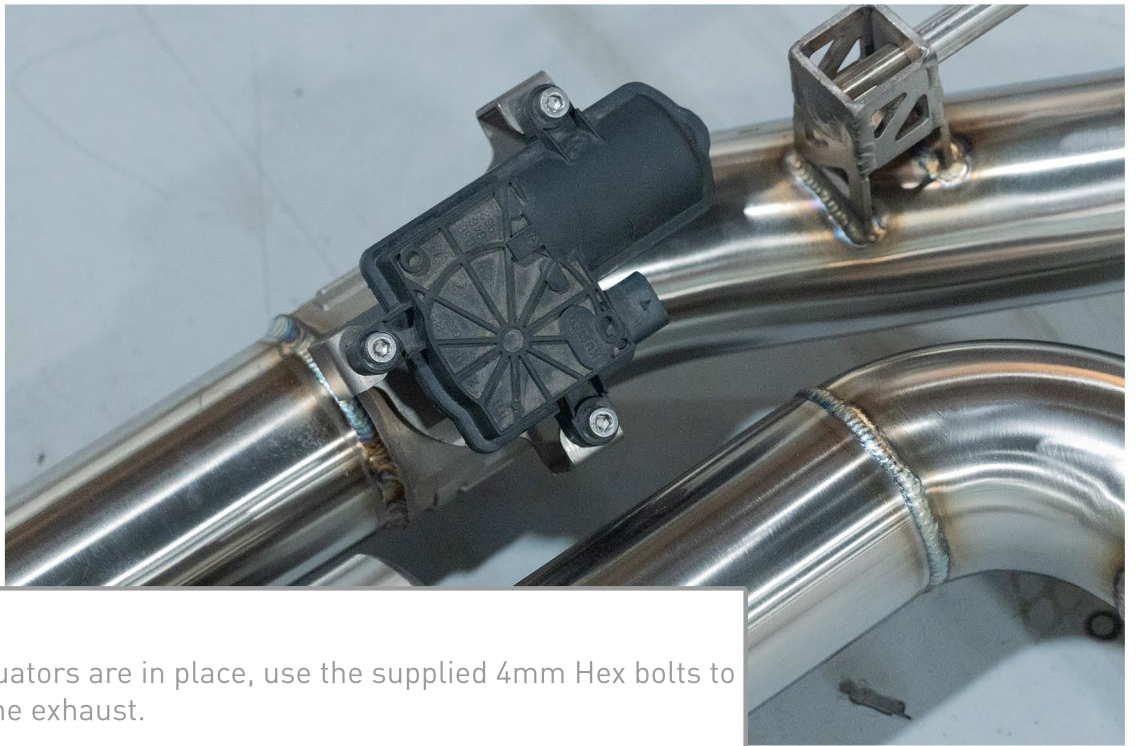
12



Transfer the actuator to your IE Catback and take note that the actuator spring is correctly aligned with the cutouts in your new exhaust.

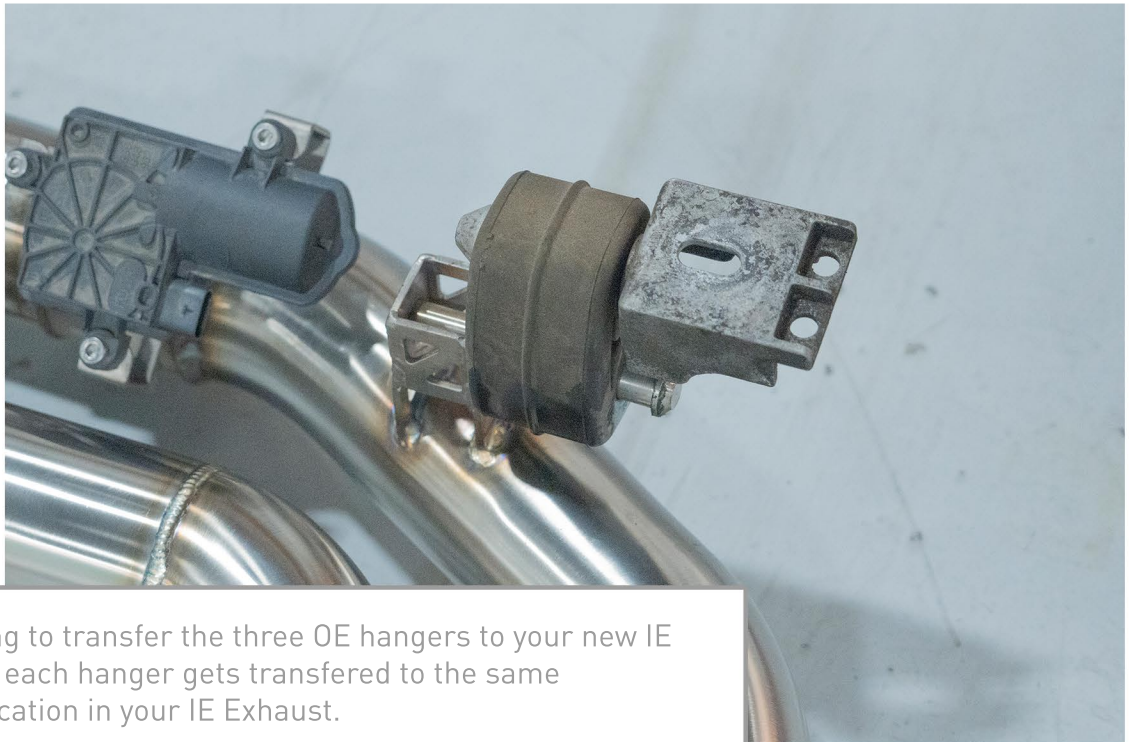


13



Once the OE Actuators are in place, use the supplied 4mm Hex bolts to fasten them to the exhaust.

14



You are now going to transfer the three OE hangers to your new IE Exhaust. Ensure each hanger gets transferred to the same corresponding location in your IE Exhaust.

Lubrication and/or an exhaust hanger removal tool can greatly aid removal/reinstallation of the hangers.



15



If you are installing your IE Catback on an OEM Exhaust, you'll layout and install this reducer and clamps. If you're installing onto an IE Catback, you will use the supplied clamp and not a reducer.

16



Install the reducer onto the rear section of the OE Downpipe.

From here forward, when installing, all the clamps will be very loosely installed to allow adjustment at the end. So don't clamp them down until instructed.

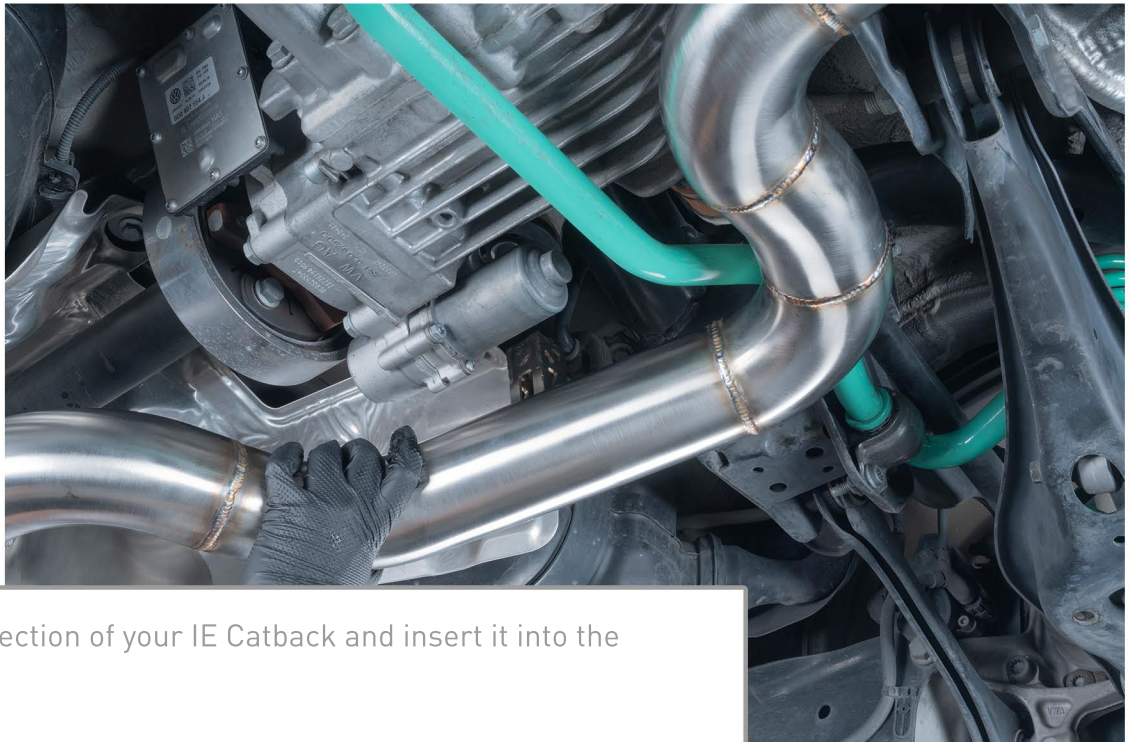


17



Spray the middle hanger with some lubrication. This will aid installation of the IE Exhaust.

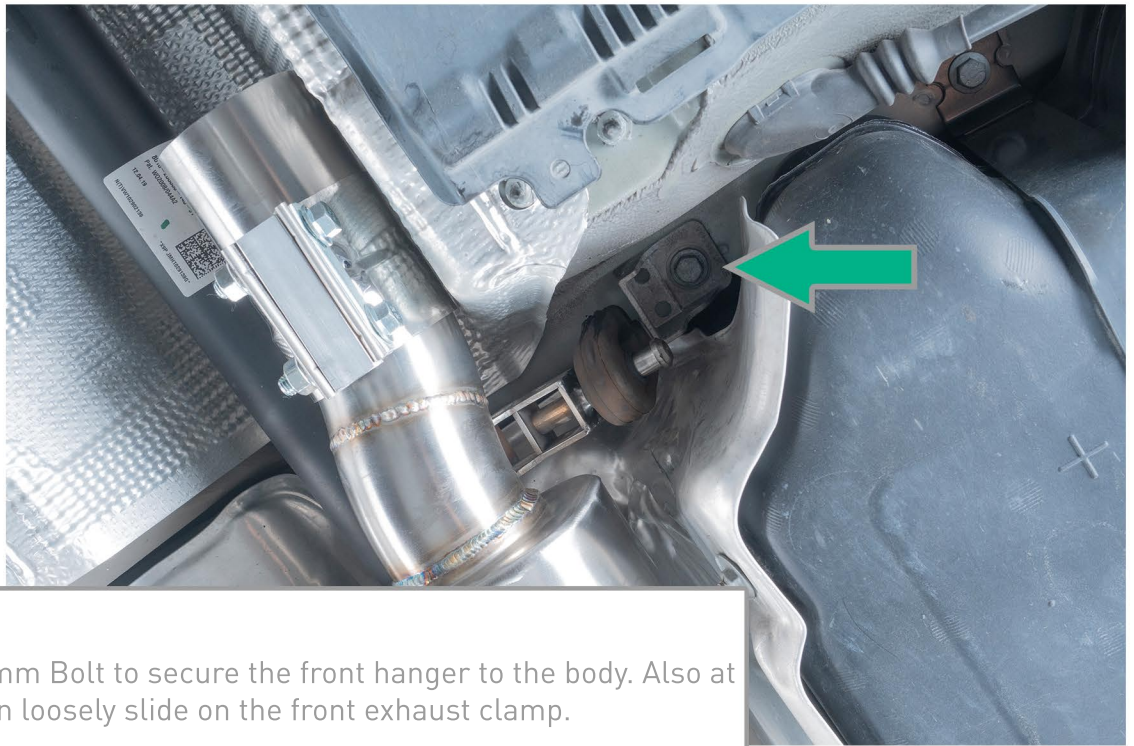
18



Raise the front section of your IE Catback and insert it into the middle hanger.

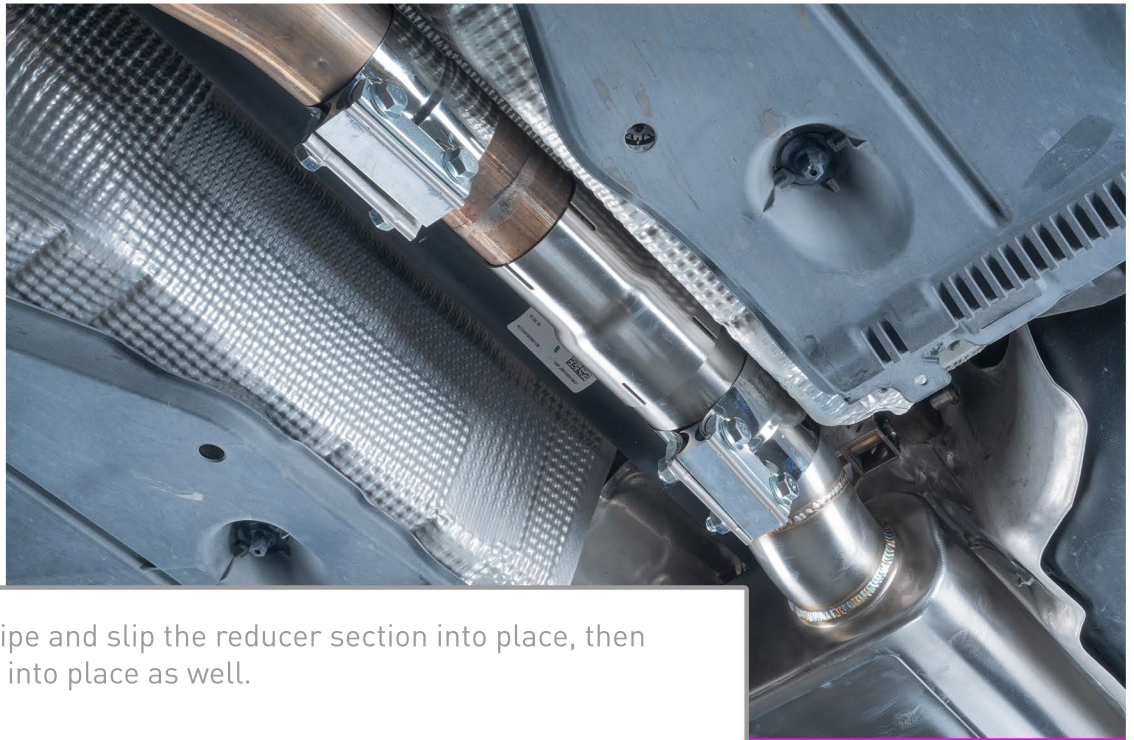


19



Reinstall the 13mm Bolt to secure the front hanger to the body. Also at this point you can loosely slide on the front exhaust clamp.

20



Raise the downpipe and slip the reducer section into place, then slide the clamps into place as well.

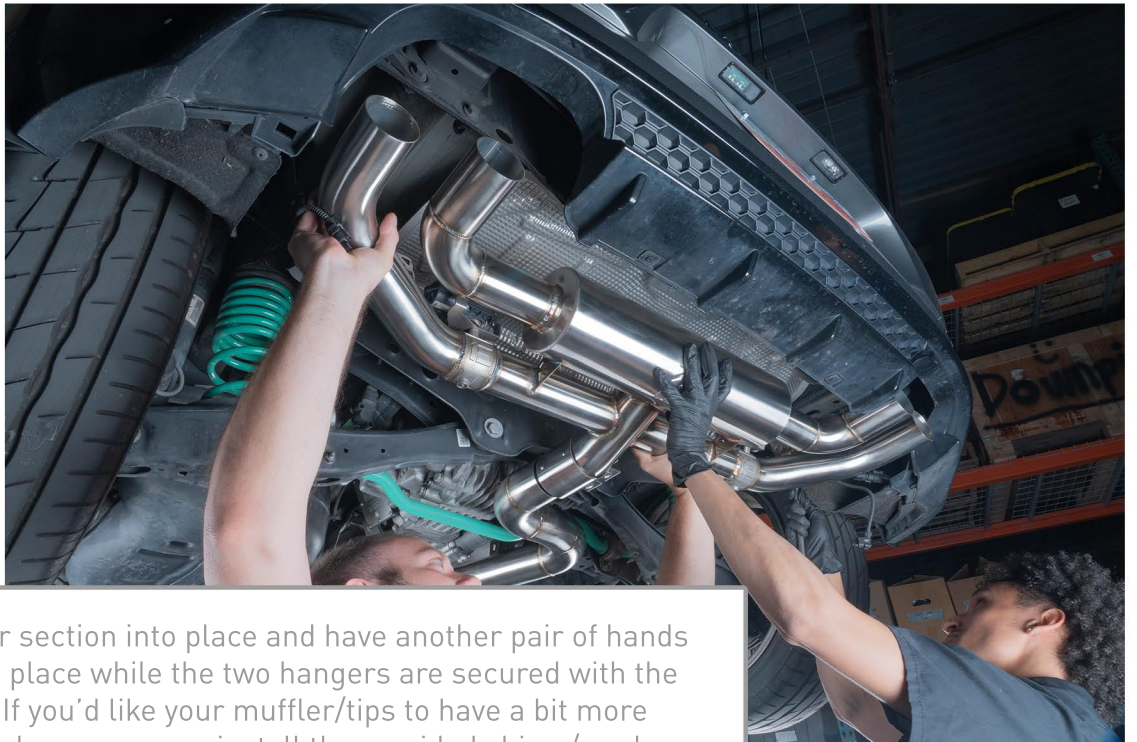


21



Slide the supplied clamp onto the front of your IE Muffler section.

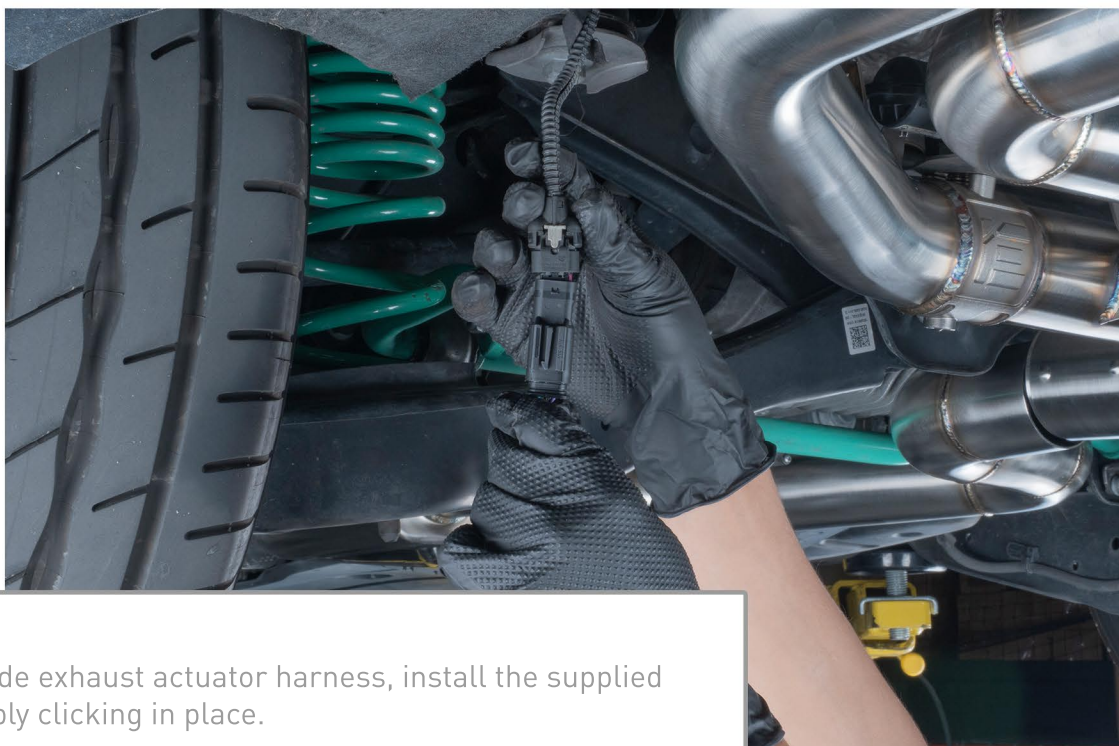
22



Raise the muffler section into place and have another pair of hands hold it roughly in place while the two hangers are secured with the OE 13mm Bolts. If you'd like your muffler/tips to have a bit more space from the valence, you can install the provided shims/washers between the body and the hangers on this step.

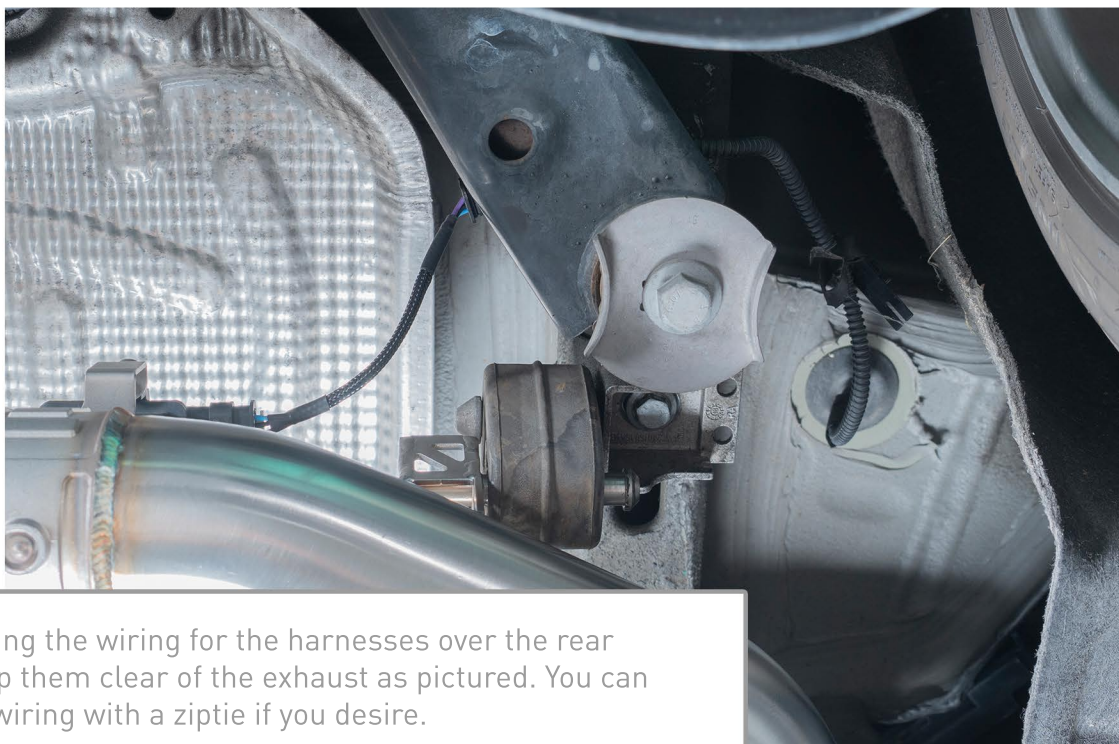


23



On the drivers side exhaust actuator harness, install the supplied extender by simply clicking in place.

24



We suggest routing the wiring for the harnesses over the rear subframe to keep them clear of the exhaust as pictured. You can also secure the wiring with a ziptie if you desire.

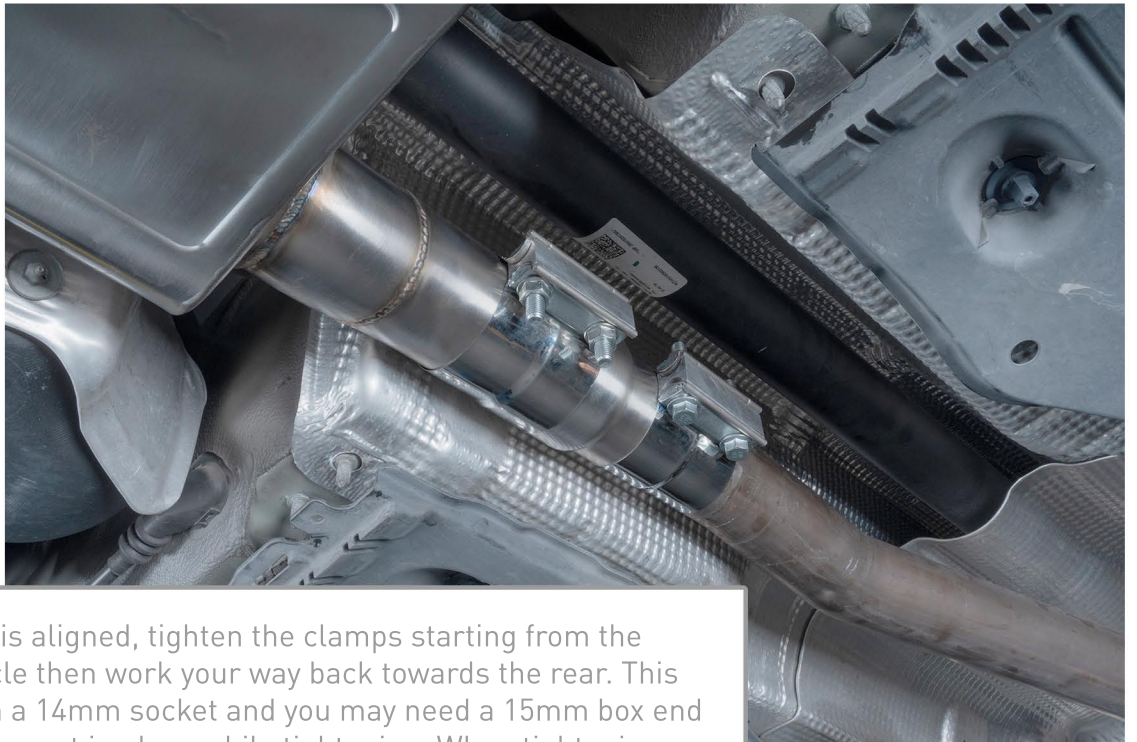


25



Slide the clamp from the muffler to the front section into place.

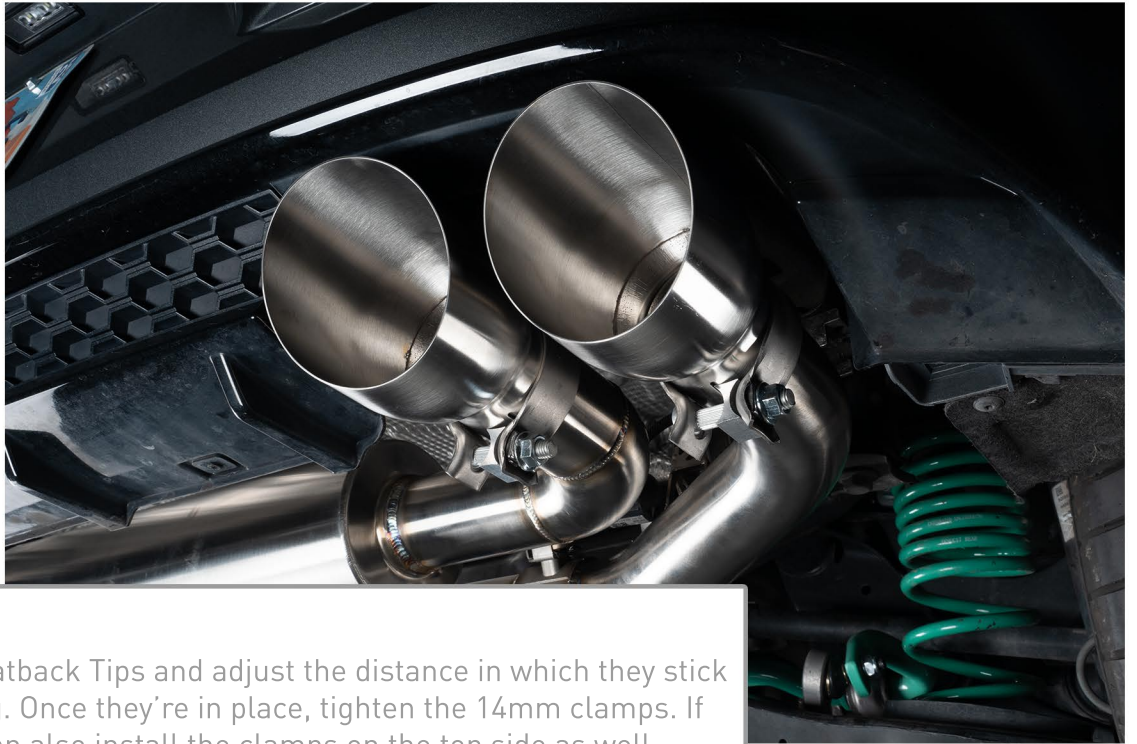
26



Once everything is aligned, tighten the clamps starting from the front of the vehicle then work your way back towards the rear. This will be done with a 14mm socket and you may need a 15mm box end wrench to hold the nut in place while tightening. When tightening down, we recommend using an alternating method to ensure that you get even crushing of the clamps.

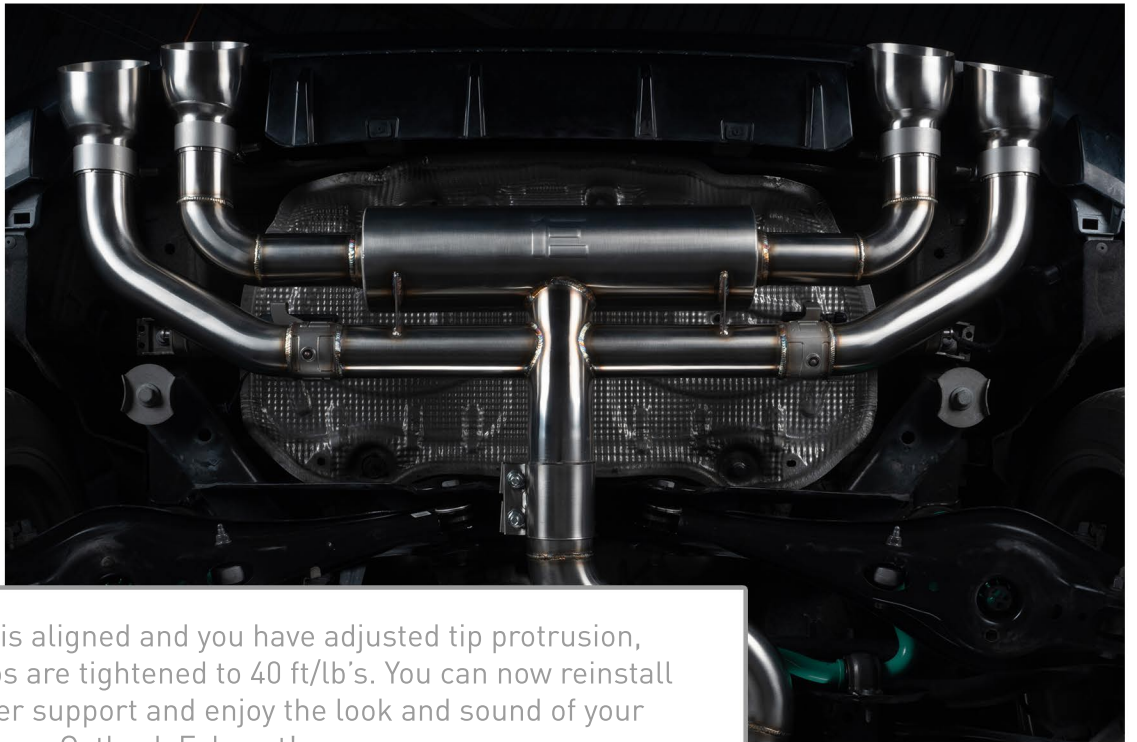


27



Install your IE Catback Tips and adjust the distance in which they stick out to your liking. Once they're in place, tighten the 14mm clamps. If you'd like, you can also install the clamps on the top side as well.

28

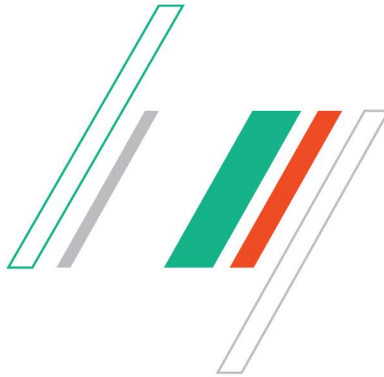


Once everything is aligned and you have adjusted tip protrusion, ensure all clamps are tightened to 40 ft/lb's. You can now reinstall the cross member support and enjoy the look and sound of your new IE Performance Catback Exhaust!



ENJOY!

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