



ARH EXHAUST INSTALLATION GUIDE

C8 CORVETTE CATBACK SYSTEM

880 Grand Blvd. Deer Park NY, 11729 • (631) 608.1986



Dear ARH Owner,

Congratulations on your purchase of an American Racing Headers™ Exhaust System. You have made an outstanding choice for performance upgrades of your vehicle's exhaust system. Here at American Racing Headers,™ (ARH), we highly recommend utilizing a qualified performance shop, equipped with all the necessary safety equipment, tools and experience required to assure proper installation of this system. However, if you decide to perform the installation yourself, we are here and happy to provide guidance.

It's Imperative That You Read and Understand the Following...

Ensure the installer uses all under car safety precautions, including eye protection, jack stands (if working on the ground), wheel chocks etc. By installing your ARH Exhaust System, you indicate that you have read this document and you agree with the terms stated below. It is the responsibility of the purchaser and installer to follow all installation instruction guidelines and safety procedures supplied with your new ARH Exhaust System. American Racing Headers™ assumes no responsibility for damages occurring from misuse, abuse, improper installation, improper operation, lack of responsible care, or all previously stated reasons resulting from incompatibility with other manufacturer's products and/or systems. If you should have any questions regarding our warranty policy, installation, or any other matter pertaining to your new American Racing Headers™ Exhaust System, please give us a call during business hours at 631-608-1986. Thank You!

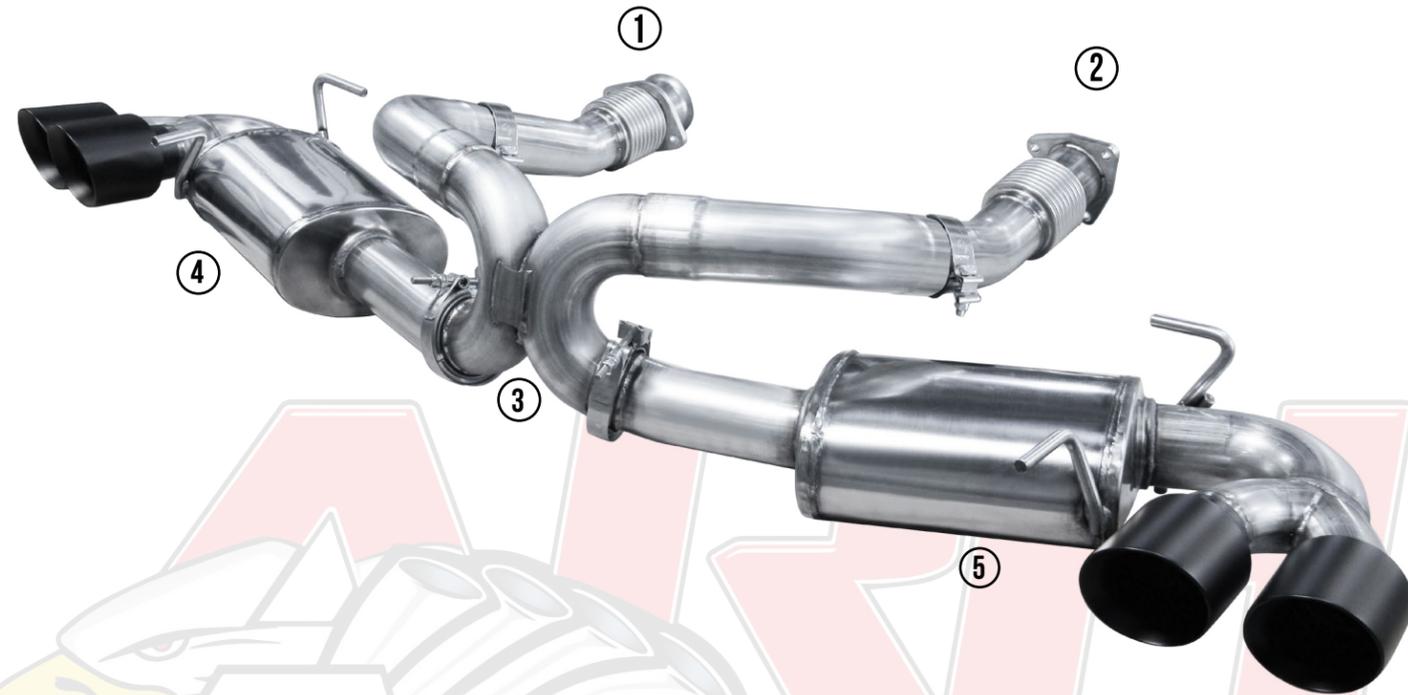
Sincerely,

American Racing Headers

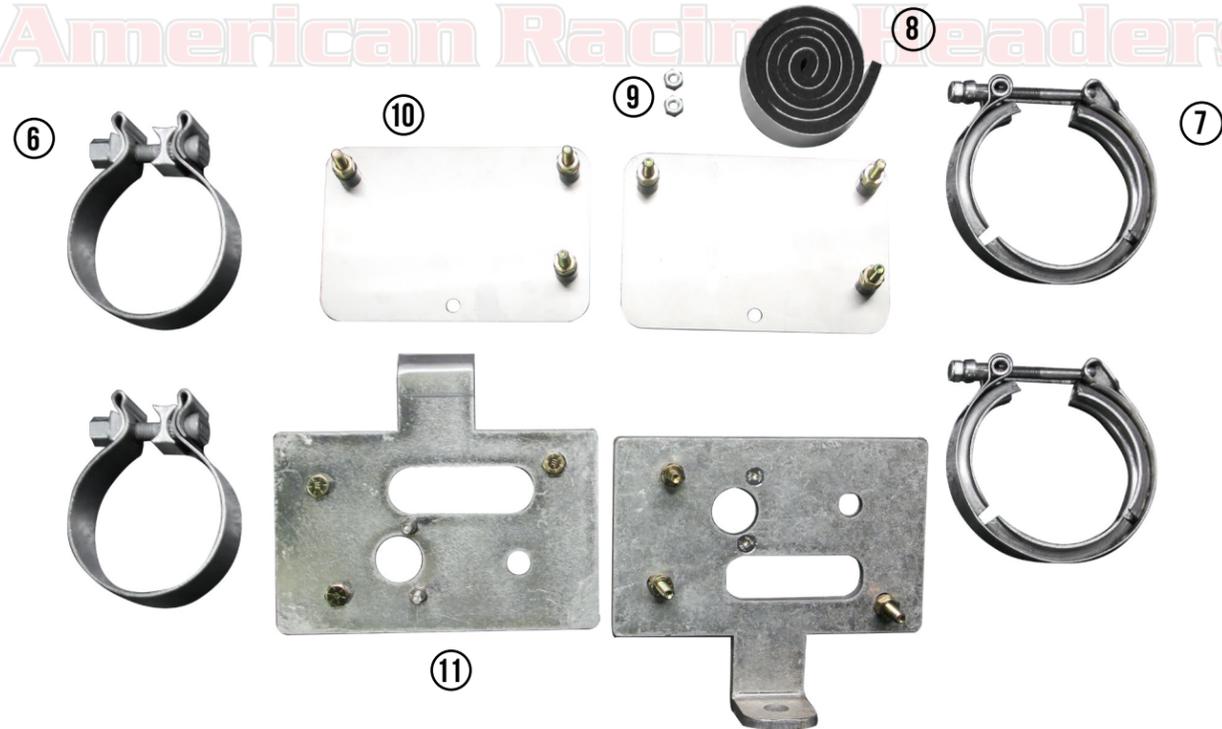
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C8 CORVETTE CATBACK SYSTEM

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C8 CORVETTE CATBACK KIT BOX



C8 CORVETTE HEADER SYSTEM CHECK LIST

ITEM #	DESCRIPTION	QTY
CATBACK SYSTEM		
1	Driver Side Connection Pipe	1
2	Passenger Side Connection Pipe	1
3	X-Pipe	1
4	Driver Side Muffler	1
5	Passenger Side Muffler	1
6	3" Clamp	2
7	V-Band Clamp	2
8	Mounting Adhesive	1
9	M6 x 1.0MM Stainless Steel Nut	2
10	Secondary NPP Mount	2
11	Primary NPP Mount	2

***NOTE:** ARH Strongly advises this installation be done along side a professional.

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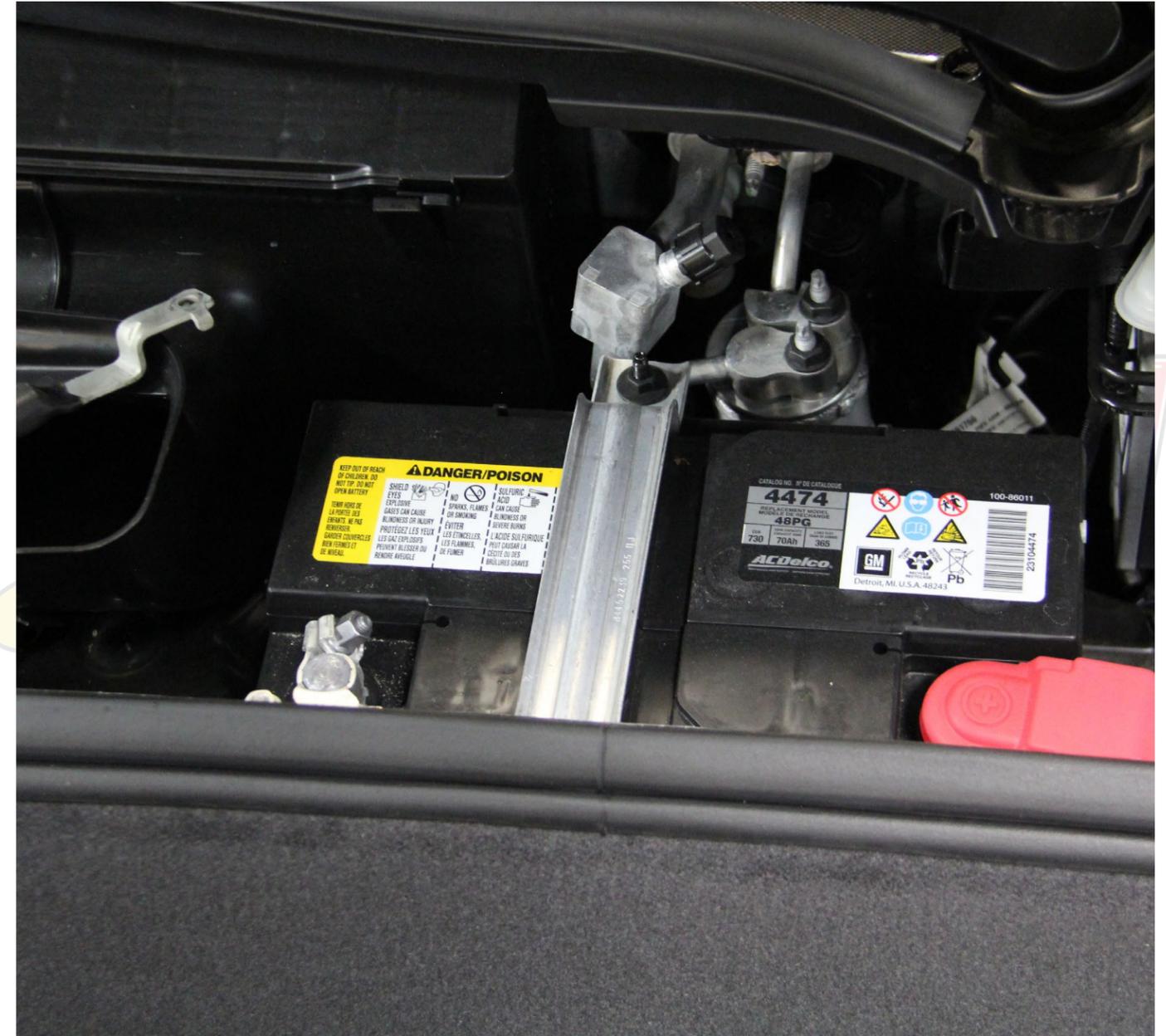
C8 CORVETTE CATBACK SYSTEM

FACTORY REMOVAL GUIDE



STEP ONE: REMOVE FRONT TRUNK TRIM PANELS

- » You will need to remove the front trunk aka “frunk” trim. Make sure you are careful when removing these clips. Once you have these trim panels removed set them aside in a safe place.



STEP TWO: DISCONNECT BATTERY

- » Next you will need to disconnect the negative battery cable. This is very important as you will have a CEL come on if you have the key on or start your car while the NPP valves are unplugged.

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FACTORY REMOVAL GUIDE



STEP THREE: REMOVE TRUNK CARPET

» Now it's time to remove the trunk carpet. This will give us better access to the stock catback system. Organize these parts and set them off to the side for now.



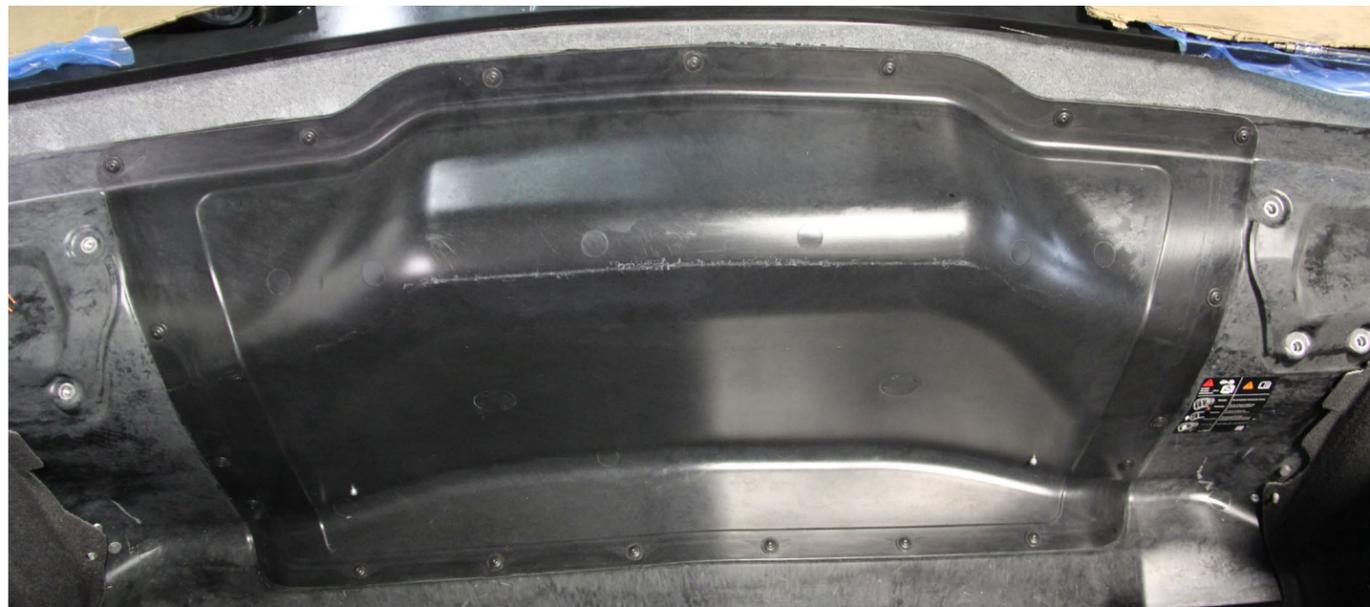
STEP FOUR: REMOVE FACTORY WHEEL WELLS

» Removing both rear wheel wells will give you better access to the factory catback and a better visual overall for removing the factory system. Be sure to keep the lift arms away from the bottom bolts. We've pointed them out with red arrows.

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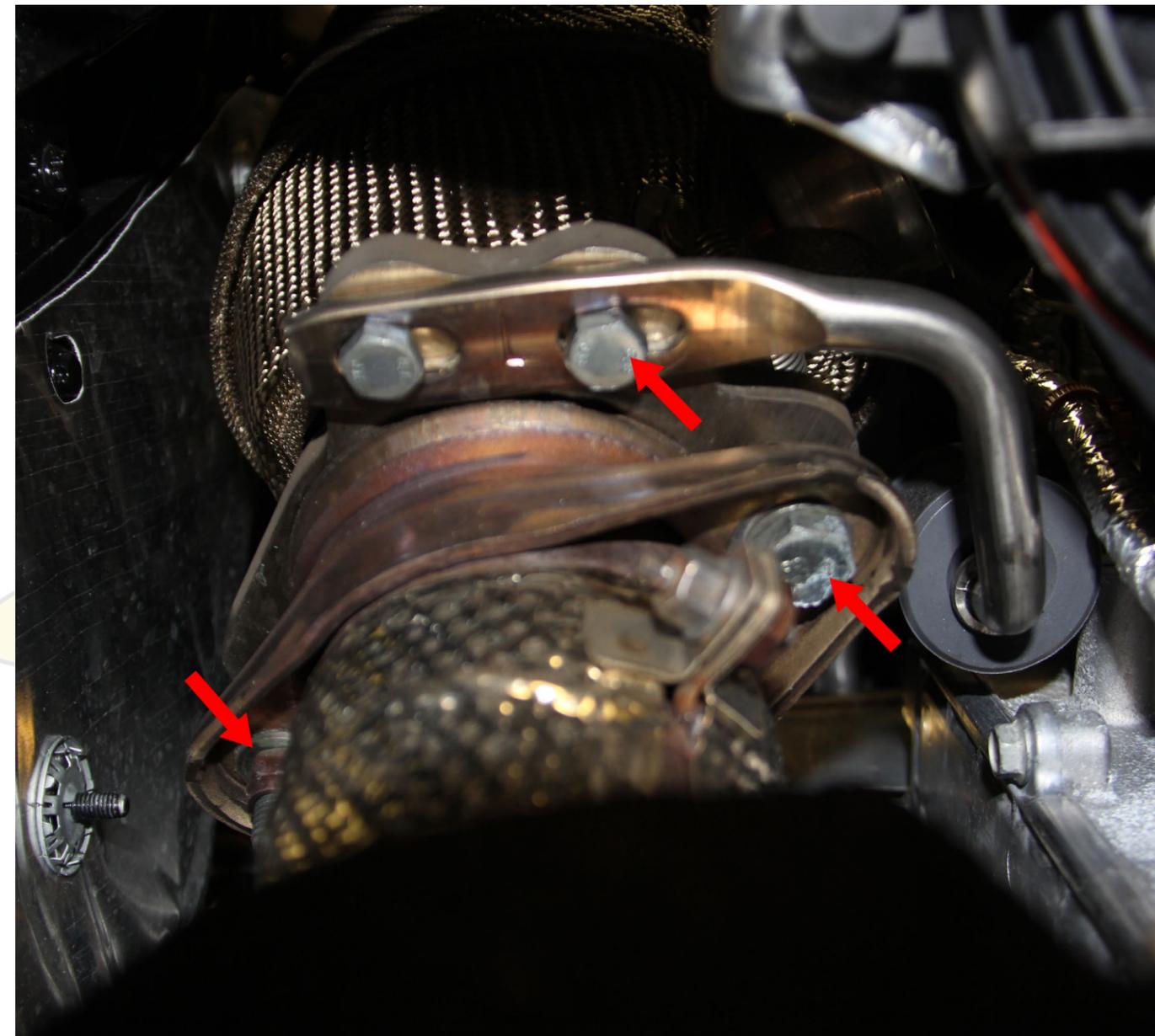
C8 CORVETTE CATBACK SYSTEM

FACTORY REMOVAL GUIDE



STEP FIVE-A: REMOVE TRUNK PANEL

» With the trunk carpet removed we can now remove the plastic trunk panel and expose the intake & exhaust of your C8 Corvette.



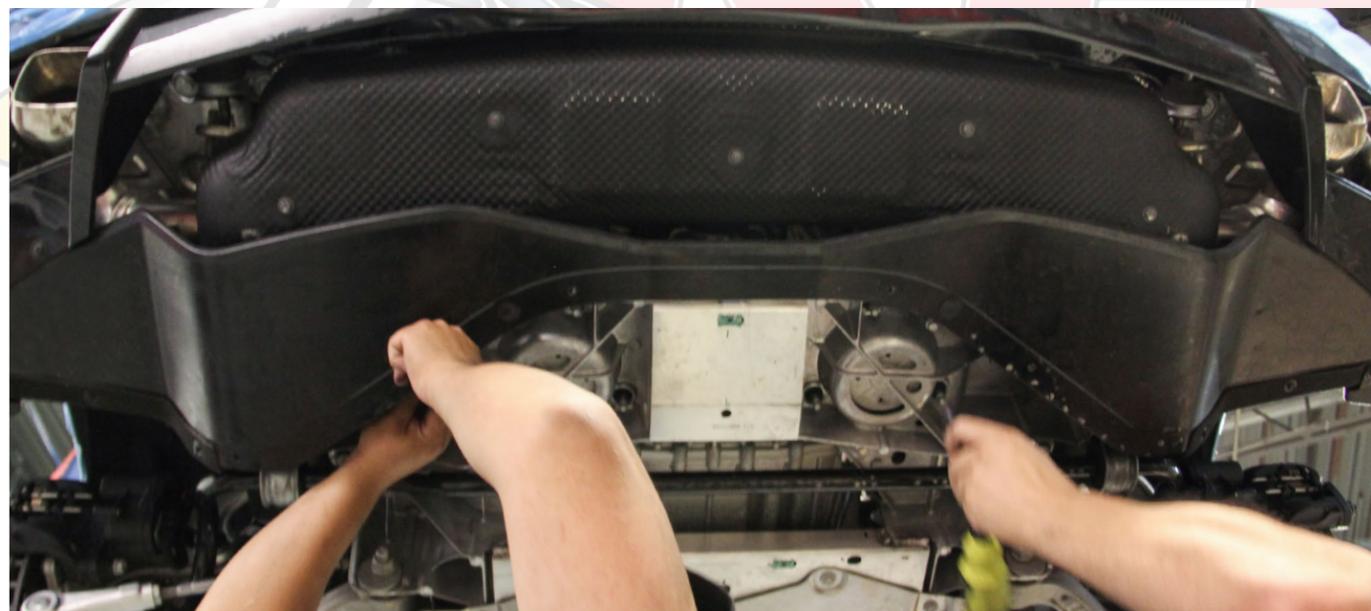
STEP FIVE-B: REMOVE CONNECTION PIPE BOLTS

» With the exhaust system of your C8 Corvette now exposed we can remove these connection pipe bolts from the passenger and driver side. For the driver side the factory studs sometimes come slightly bent. You will need to check the straightness on them. The passenger has a hard to access lower bolt that you will need to access from the wheel well.

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STEP SIX-A: REAR BUMPER BOLTS

» Pull back the trunk weather stripping and remove all of the bumper bolts. Set them aside in a safe place and label them. Next remove the factory splash guard.



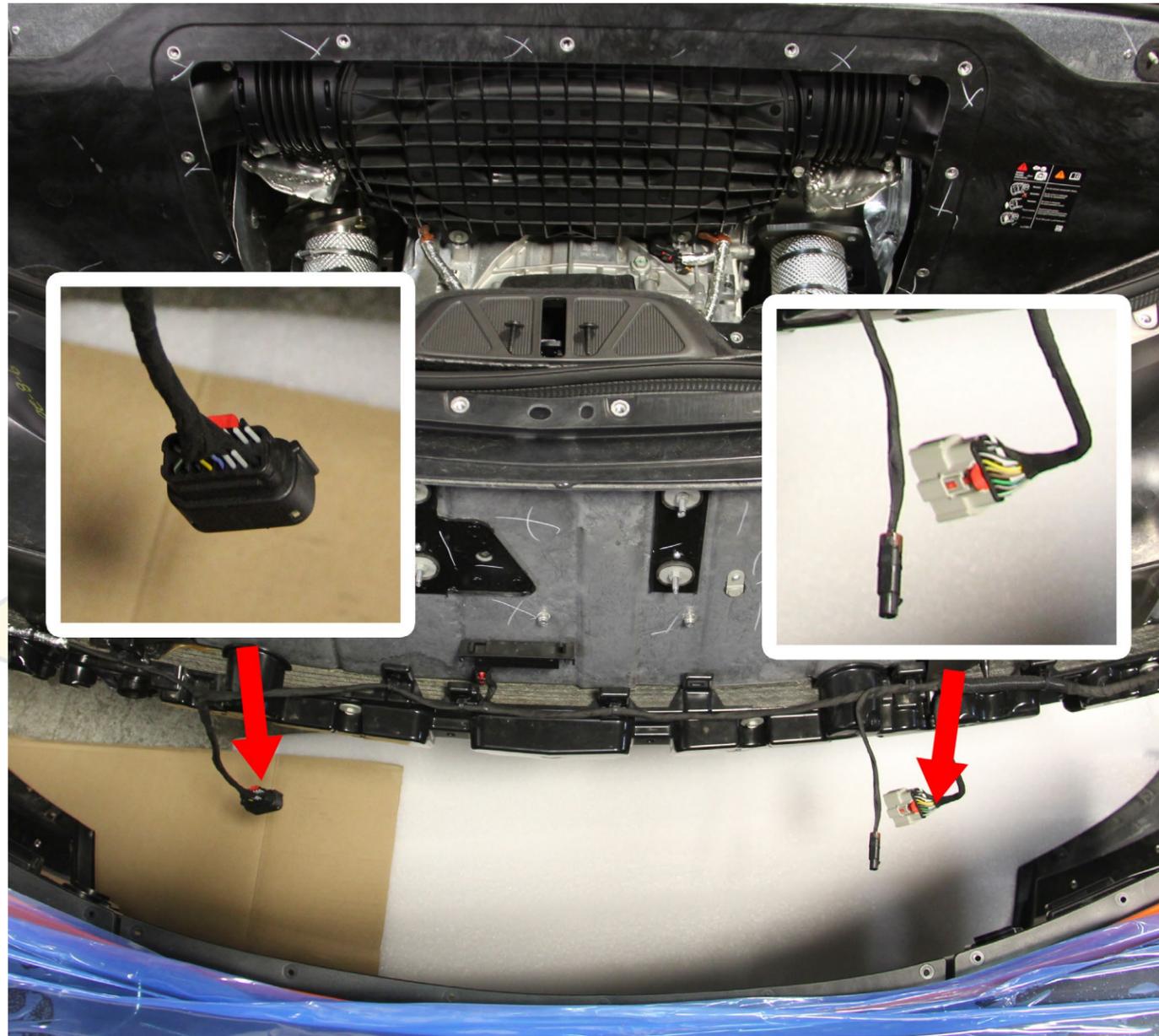
STEP SIX-B: REAR BUMPER BOLTS (CONTINUED)

» Last we will remove bumper bolts located in the wheel wells. Make sure to label and keep your bolts organized. There are a lot of bolts and we don't want to lose them.

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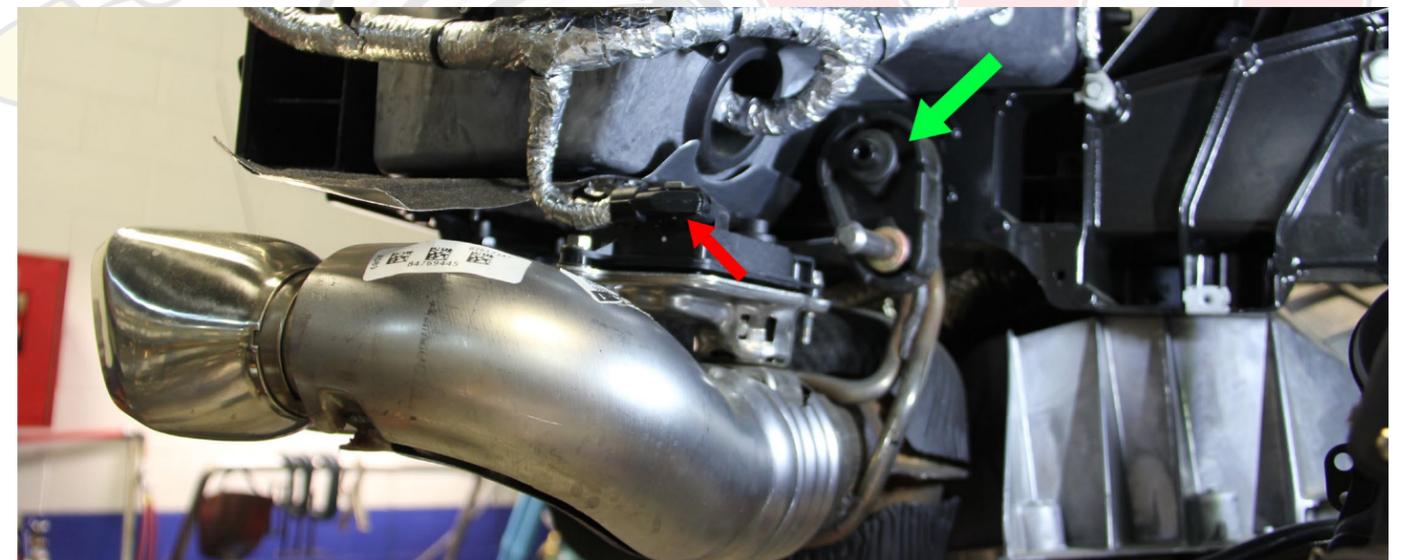
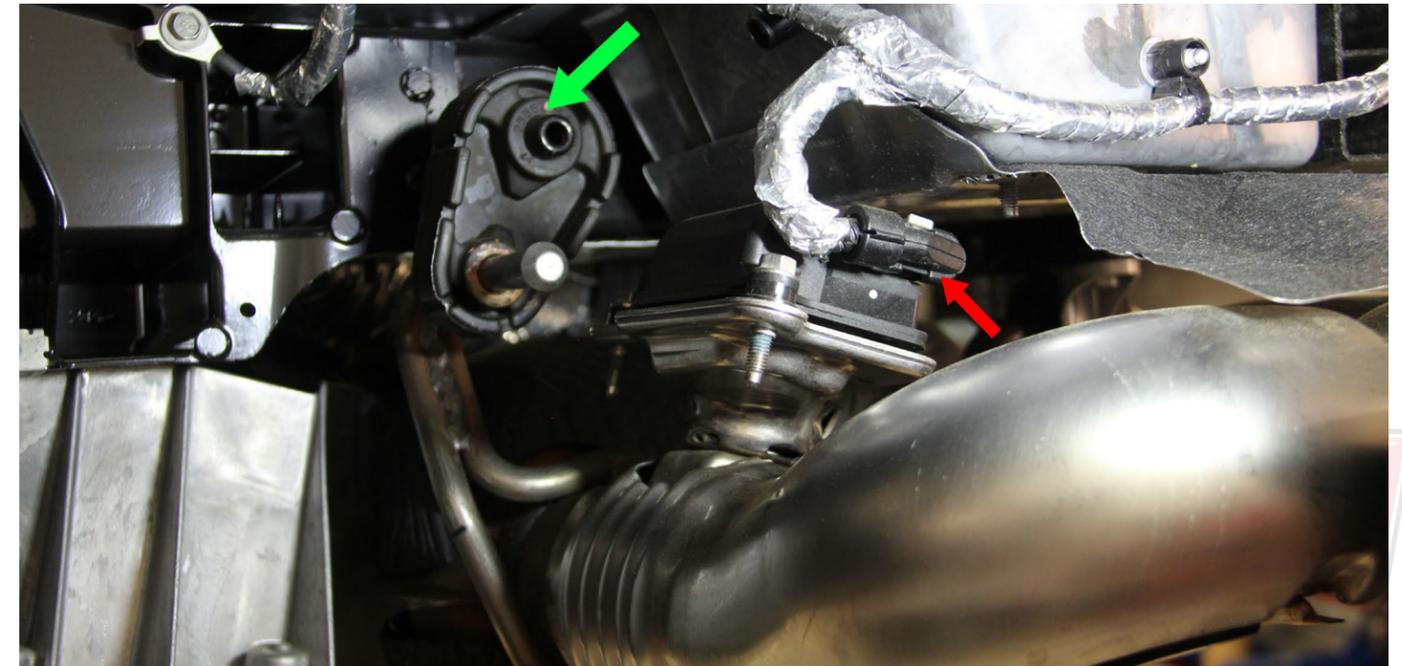
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STEP SEVEN: DISCONNECTING BUMPER

» Now it's time to remove the factory bumper. This step will require additional help. As you begin to carefully remove the bumper you will need to disconnect three plugs from the factory harness. Once you've done that store the bumper safely to the side to avoid damage.



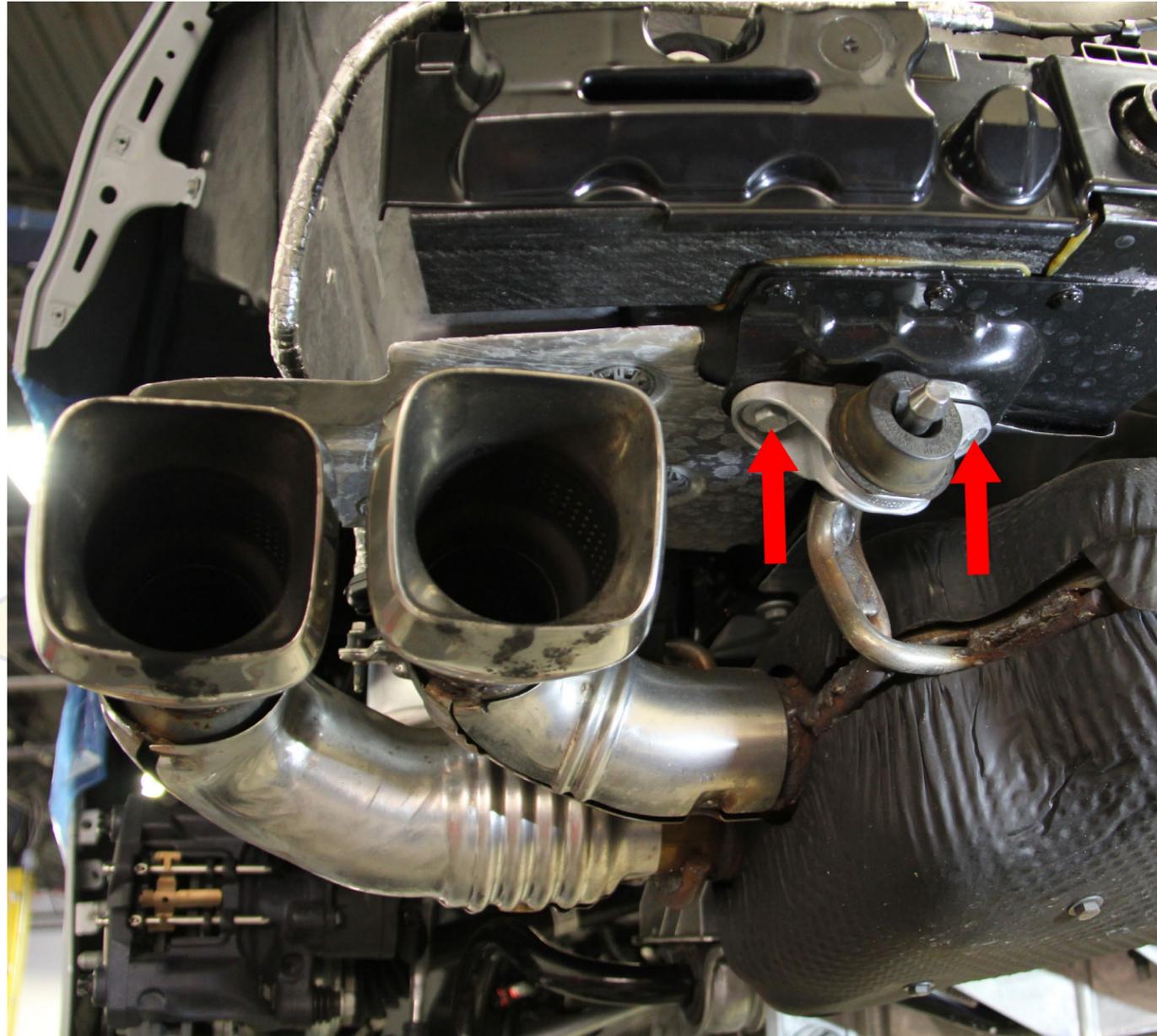
STEP EIGHT: DISCONNECTING FACTORY NPP MODULES

» Before we remove the factory catback we will need to disconnect the factory NPP modules (red arrow). There are four modules. Two are located by the tips and two are located on the connection pipes by the transmission. You can access the modules by the transmission from under the car. While we are here take note of the two outer exhaust hangers bushings (green arrow) we will be sliding those off next to remove the catback. Jack stands are needed to support the catback as well as additional help.

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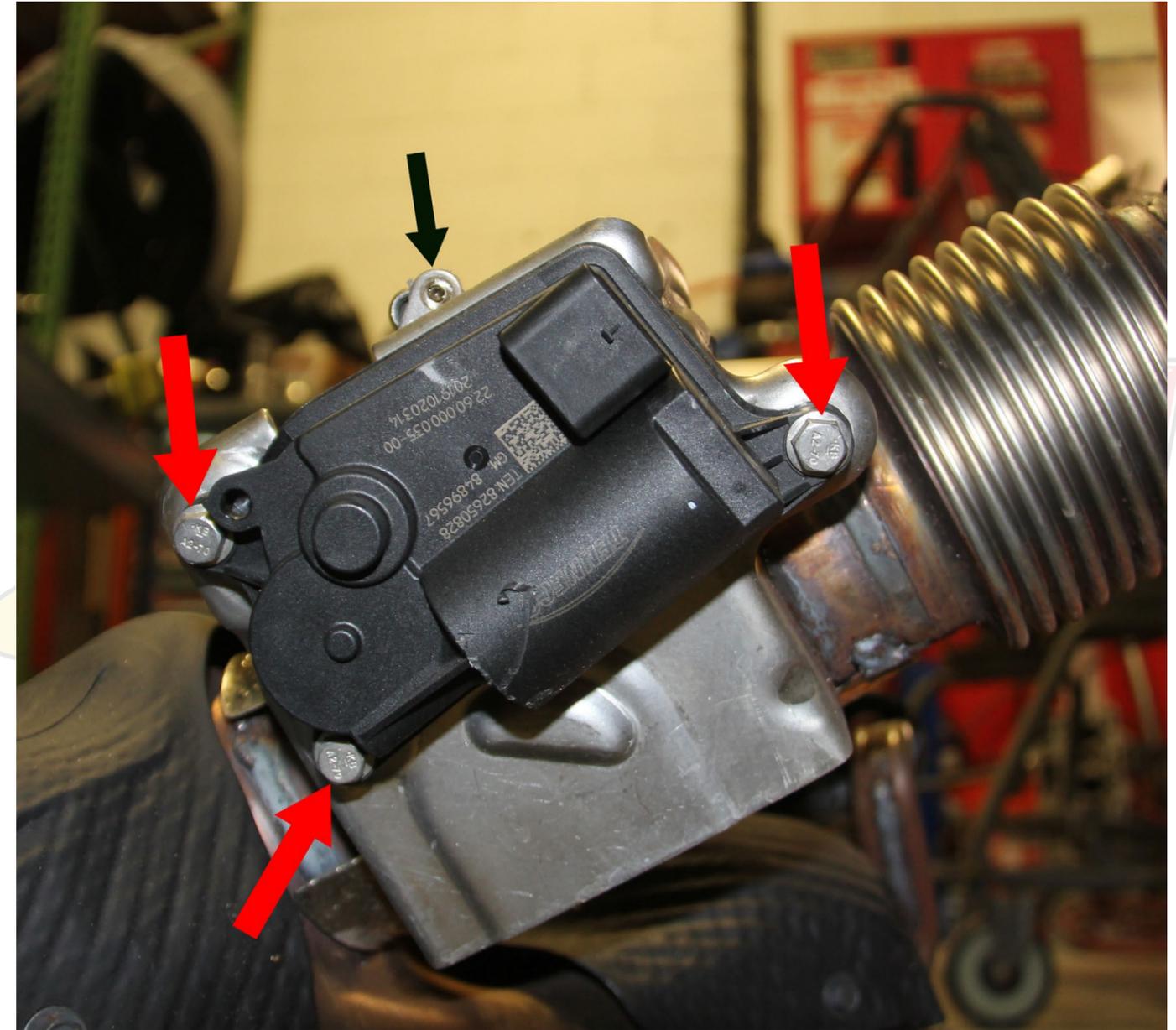
C8 CORVETTE CATBACK SYSTEM

FACTORY REMOVAL GUIDE



STEP NINE: DISCONNECTING HANGER BRACKETS

» Before we start this step make sure your jack stands are supporting the weight of the factory catback. Now its time to slide off the two hanger grommets pictured in the previous step. Once you have that done it's time to unbolt the two rear hanger brackets. There is one on the passenger side as well as the driver side. Be careful as the factory catback will be completely disconnected from the car and resting on the jack stands.



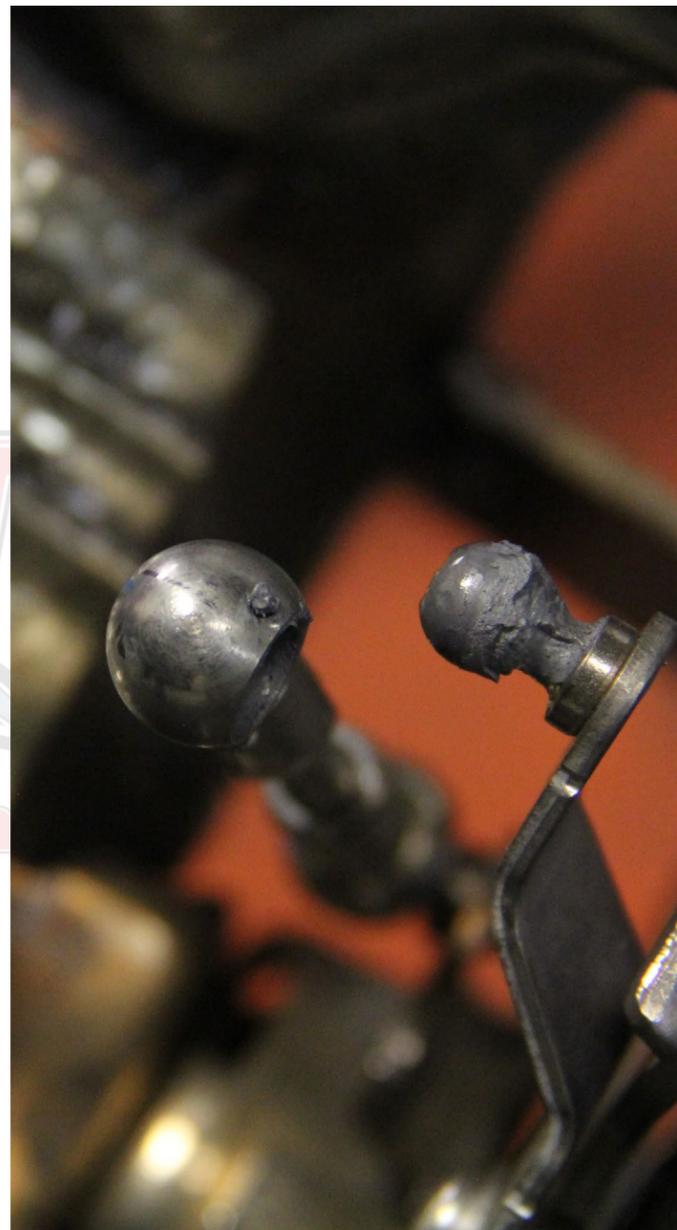
STEP TEN-A: PRIMARY NPP MODULES

» With factory catback on the ground lets unbolt (red arrows) the primary NPP modules. Before we unbolt them we need to disconnect the inside clip (black arrow).

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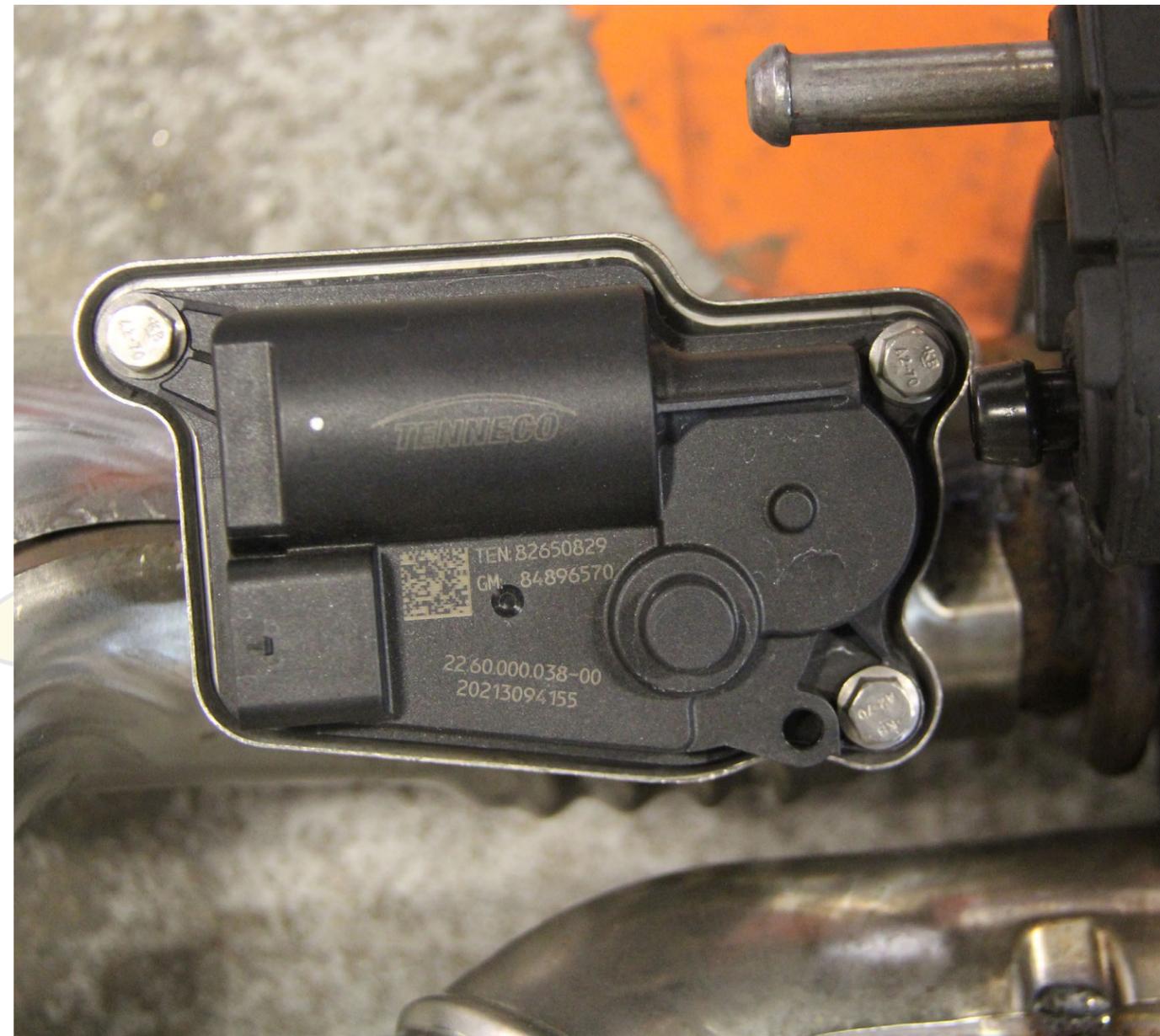
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STEP TEN-B: PRIMARY NPP MODULES

» Using a small pick pop off the retainer clip from the NPP module. Once you've done this for both sides you can unbolt the modules.



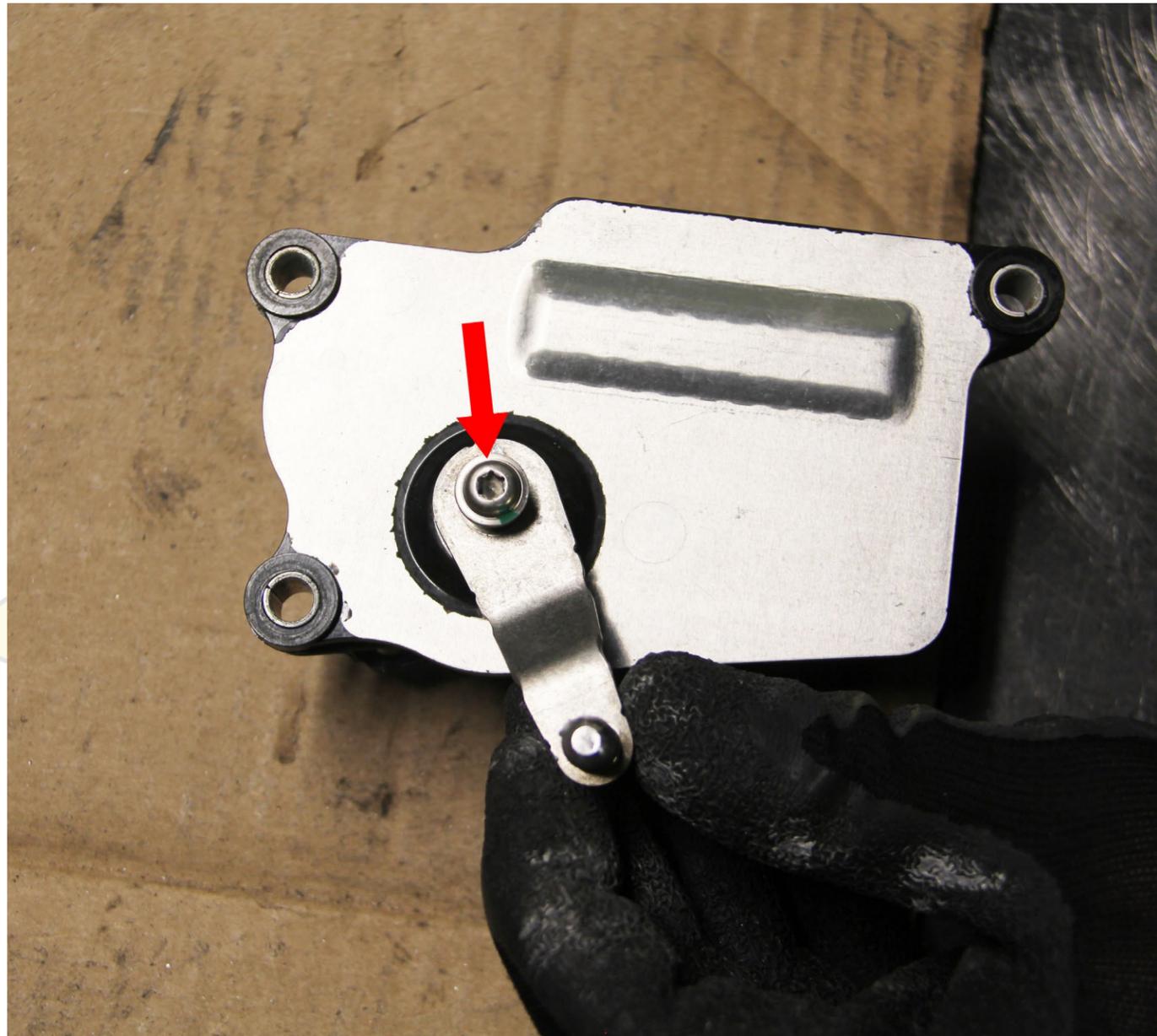
STEP ELEVEN: SECONDARY NPP MODULES

» The secondary NPP modules unbolt pretty easily. Remove the three bolts and lets start the install on your C8 Catback System.

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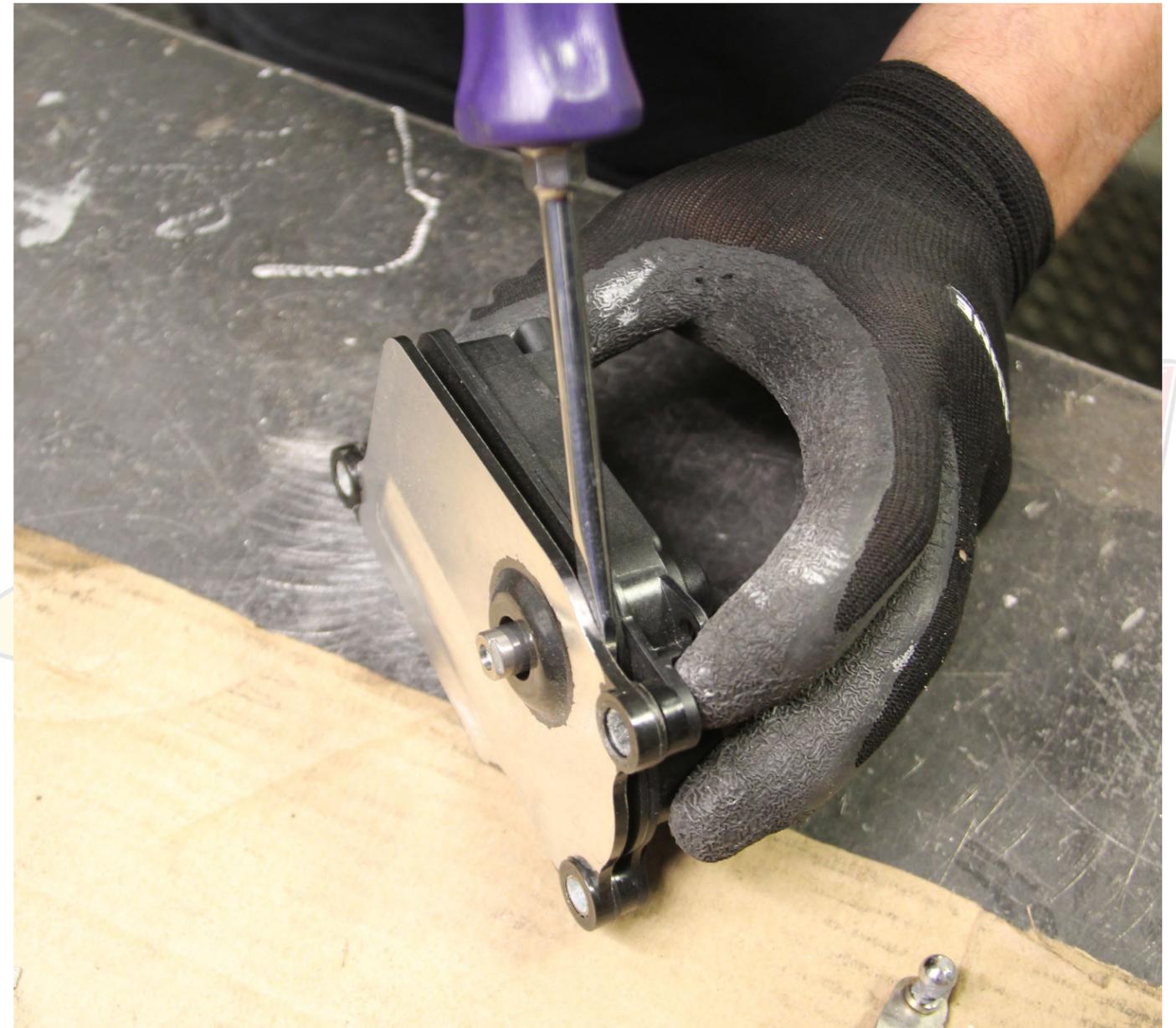
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FACTORY REMOVAL GUIDE



STEP TWELVE: PRIMARY NPP MODULE MOTOR ARM

» The primary NPP modules have a motor arm that needs to be disconnected before we install them on the ARH brackets. Hold the motor arm in place while you unscrew factory bolt.



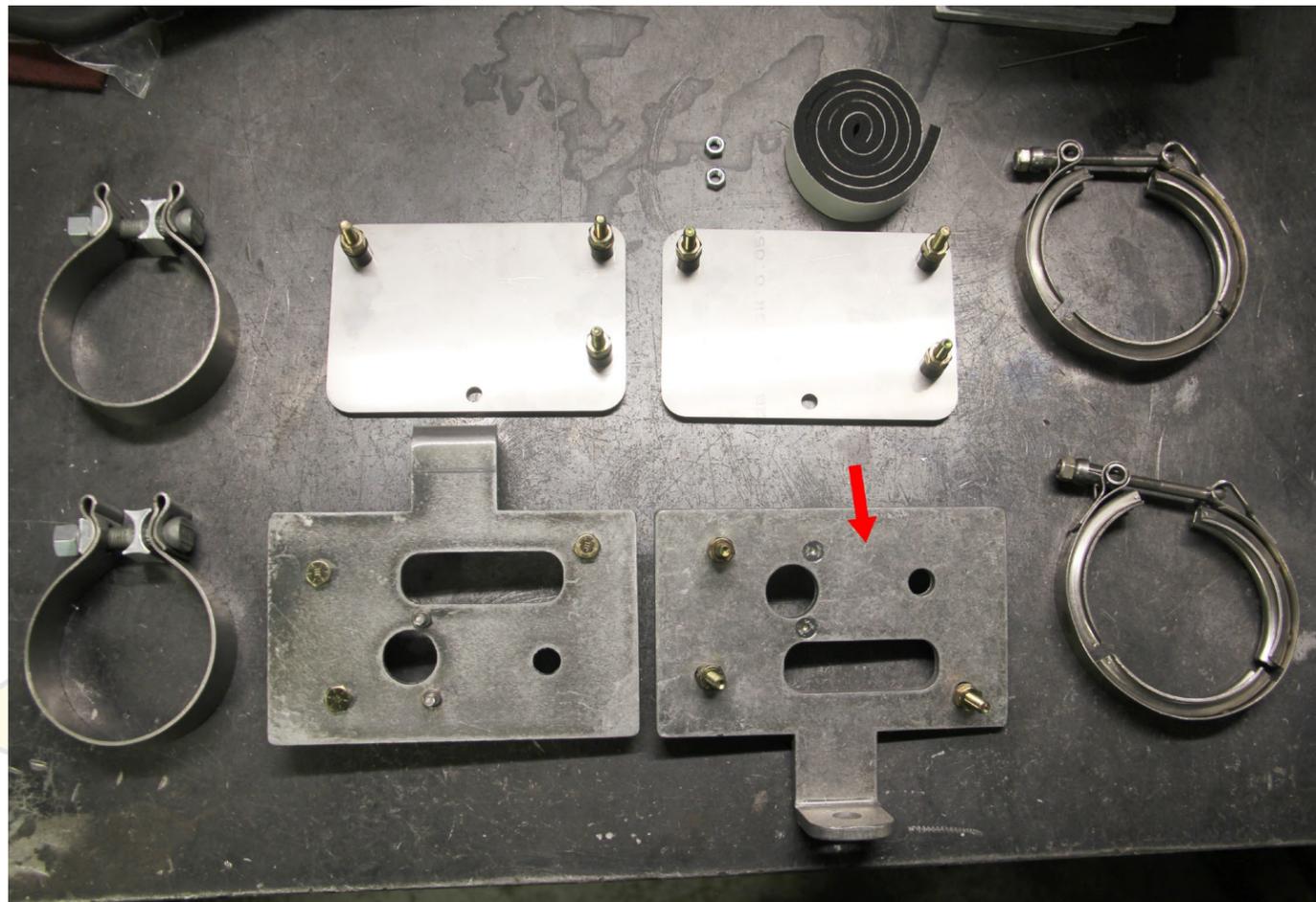
STEP THIRTEEN: PRIMARY NPP MODULE PLATE

» With a flat head screw driver carefully separate the metal backing plate from the primary modules.

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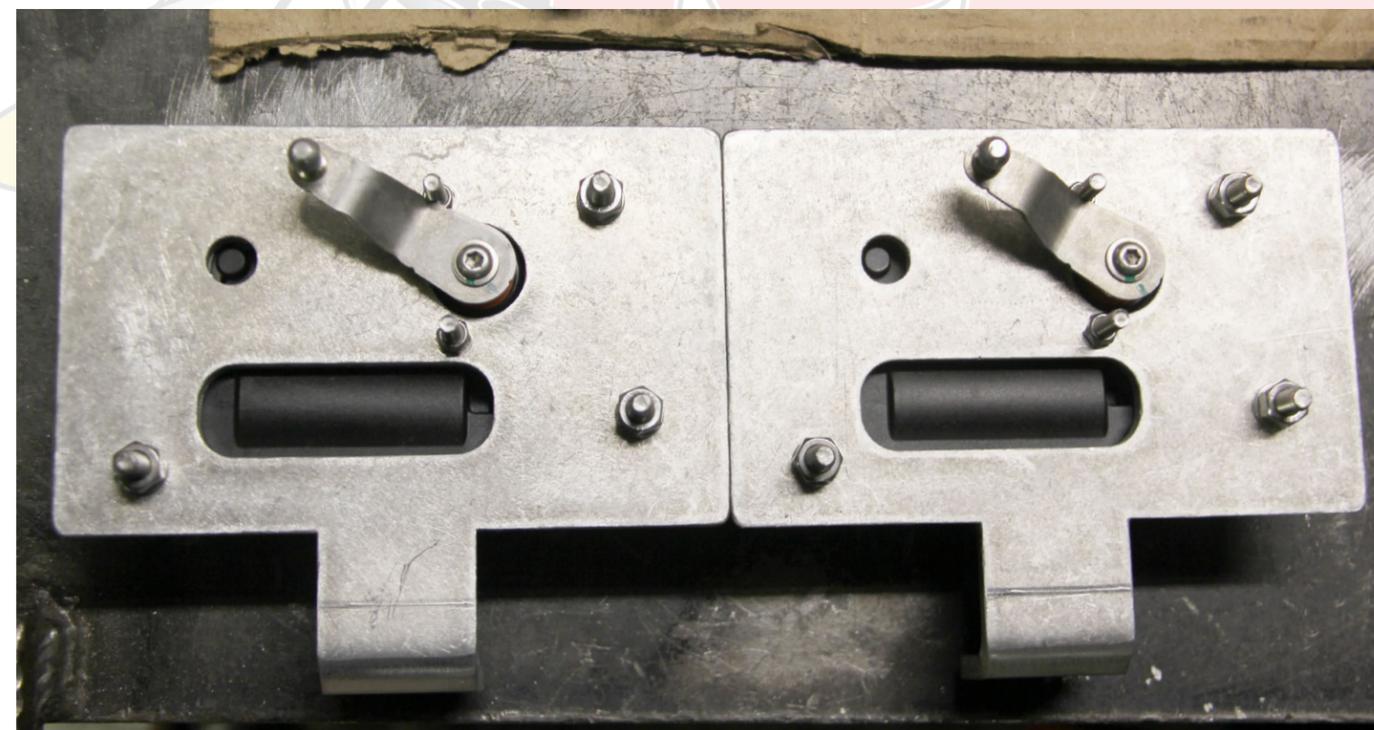
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STEP FOURTEEN: KIT BOX

» The C8 Kit box has two primary NPP brackets and two secondary NPP brackets. Mount your NPP modules to the inside of the bracket (red arrow). Now it's time to reinstall the motor arm.



STEP FIFTEEN: PRIMARY NPP MODULE MOUNTED

» You will need to align the NPP module motor arm to the top bolt as indicated above. Spin the motor carefully counter clockwise if necessary to align it properly.

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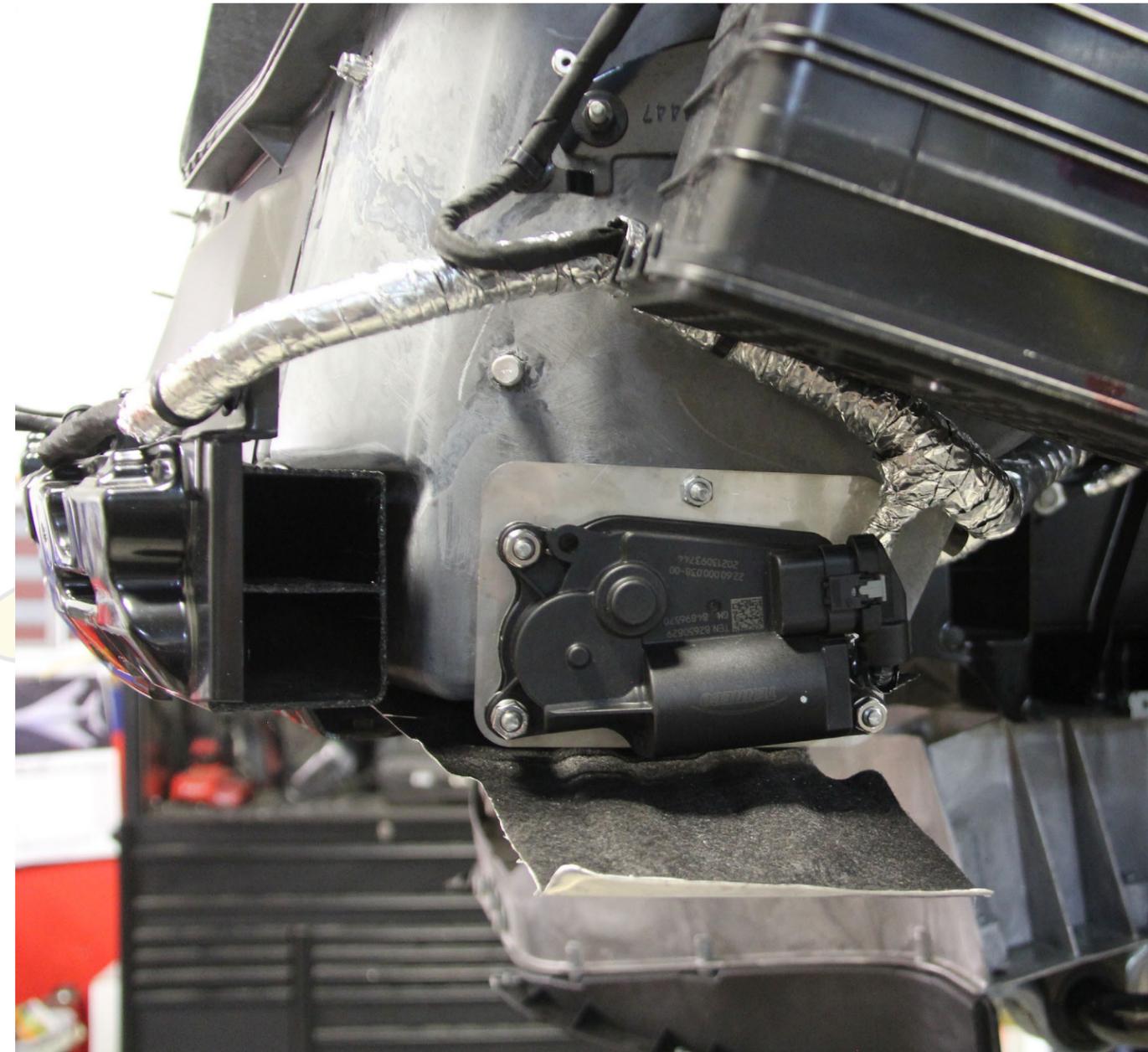
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STEP SIXTEEN: SECONDARY NPP MODULES

» Now we will mount the secondary NPP modules to the mounts from your kit box. On the opposite side you will cut and stick the double sided tape from your kit.



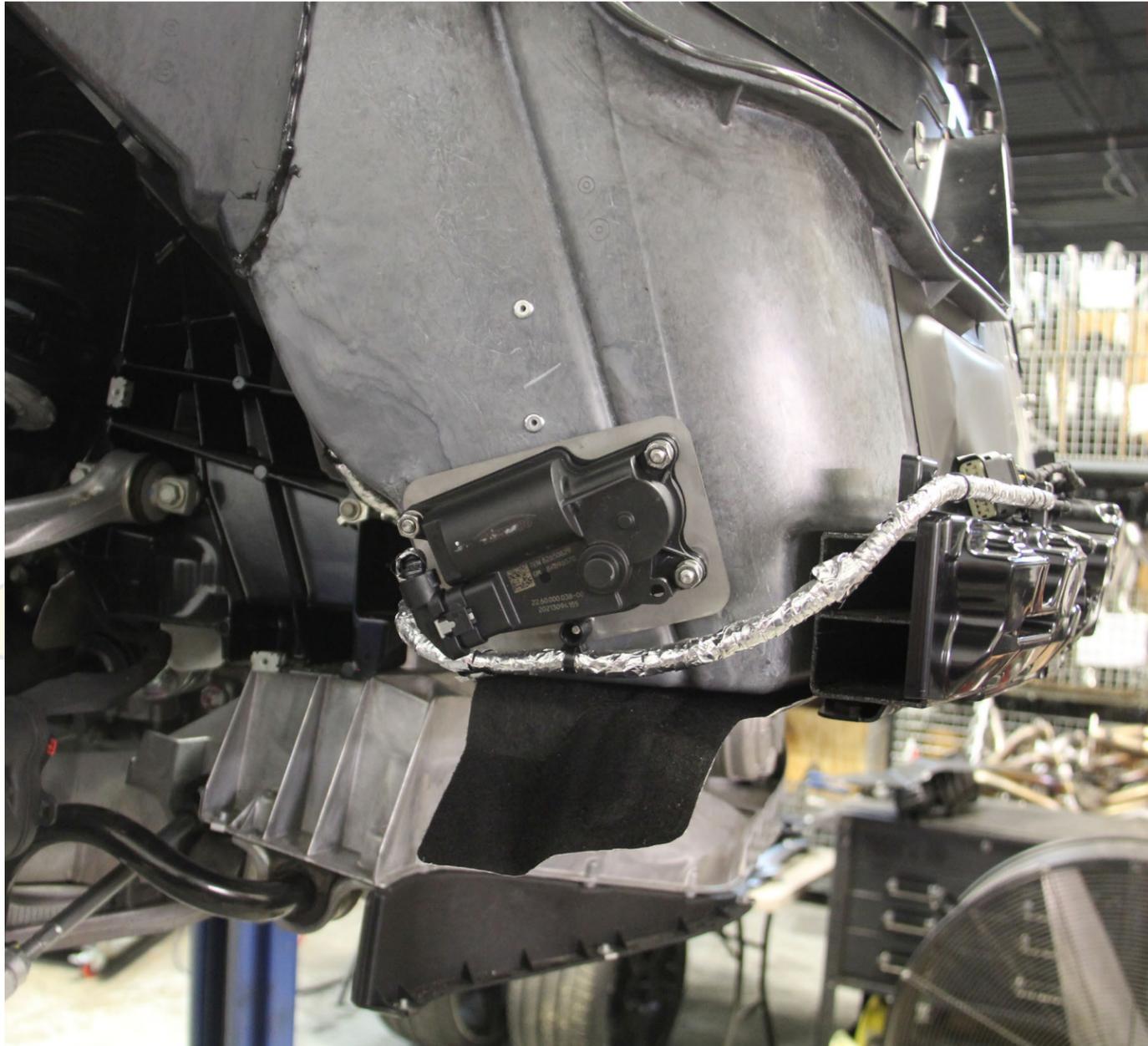
STEP SEVENTEEN: MOUNTING SECONDARY NPP BRACKETS

» These brackets will be mounted on the outside of the trunk casing. This will be the same for both the passenger and driver side.

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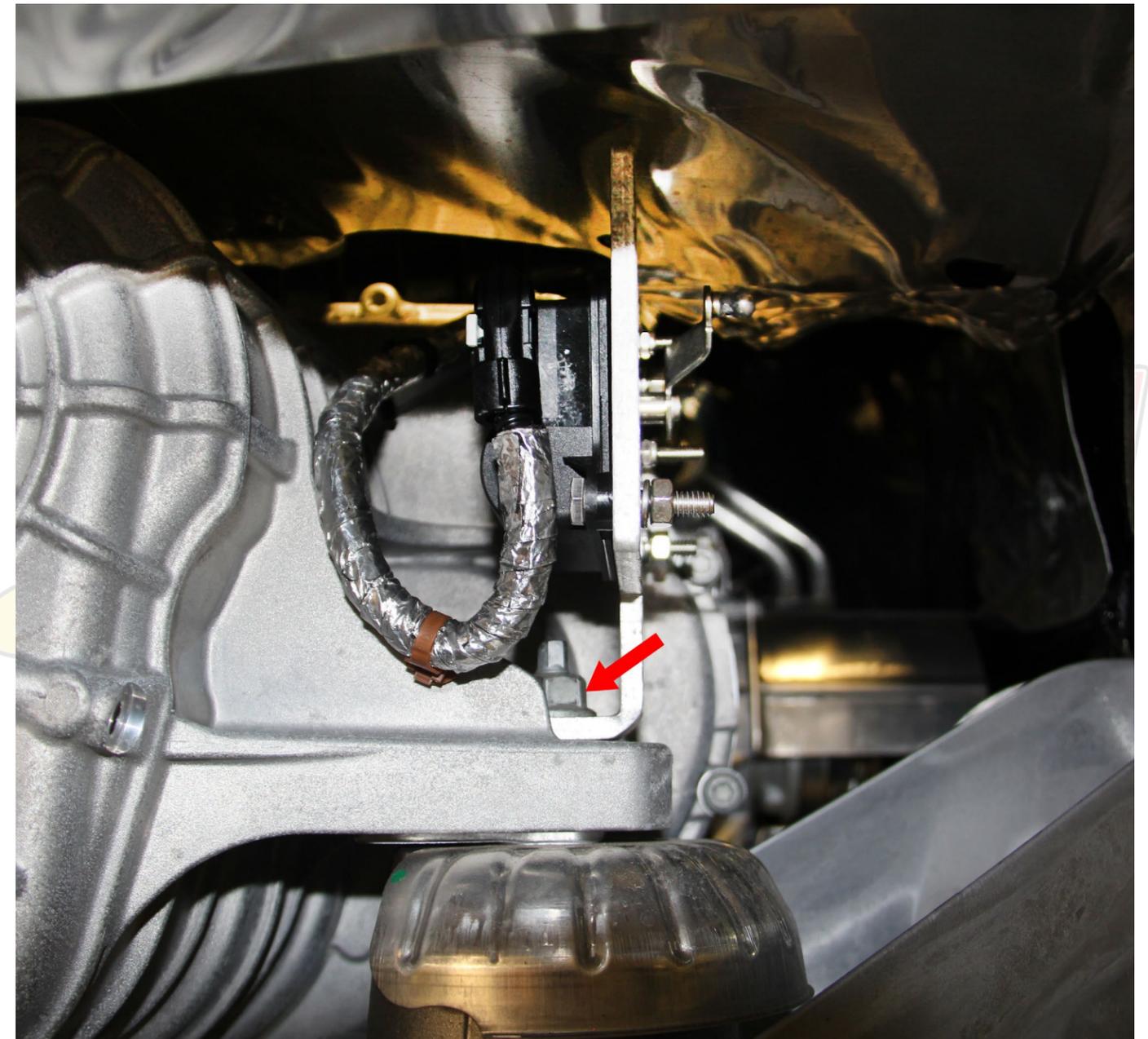
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STEP EIGHTEEN: SECONDARY NPP MODULES CONTINUED

» Driver side bracket is pictured above.



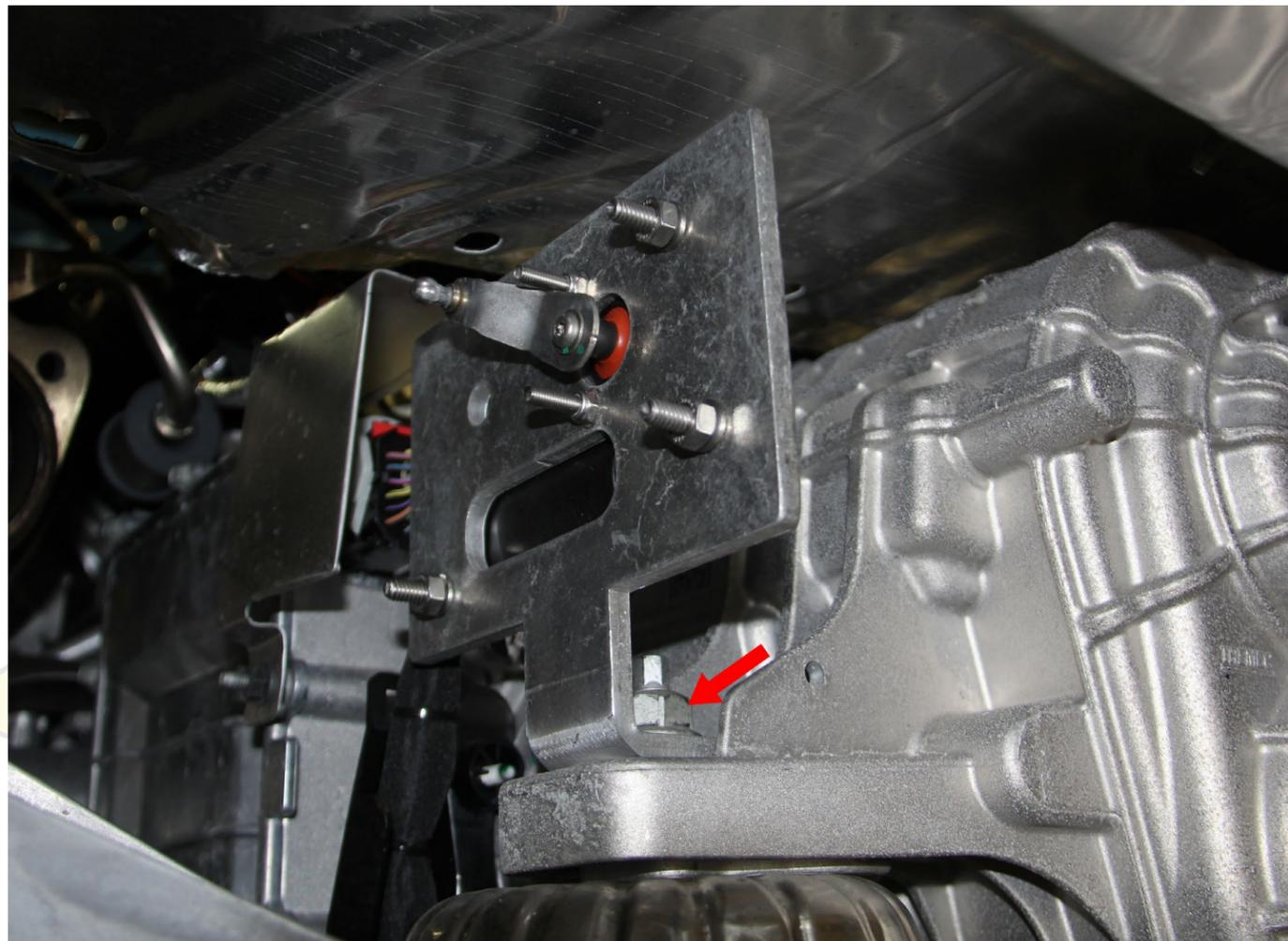
STEP NINETEEN: MOUNTING PRIMARY NPP BRACKETS

» These brackets will be mounted on the transmission for both the driver and passenger side modules. Pictured is your passenger side NPP module bracket.

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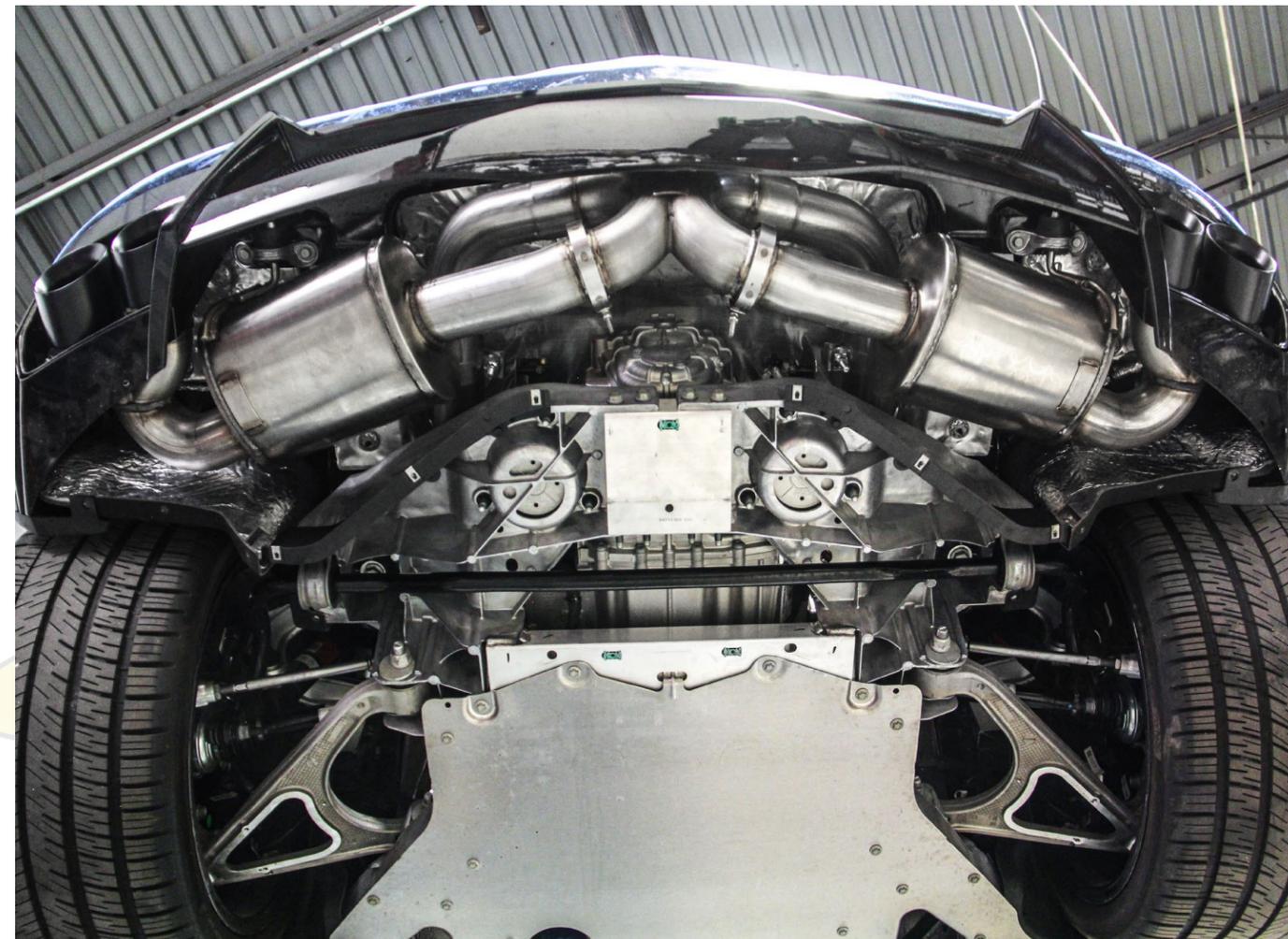
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STEP TWENTY: MOUNTING PRIMARY NPP BRACKETS (CONTINUED)

- » Driver side bracket mounted in picture. Give all of your NPP modules brackets a once over to make everything is properly tightened.



STEP TWENTY-ONE: INSTALL ARH CATBACK

- » We recommend an extra set of hands for this step. You will start by installing the connection pipes then hand tight the x-pipe in place. Next we will install the mufflers. While everything is hand tight we will reinstall the bumper. After the bumper is reinstalled it's time to align the muffler tips. Once you have them aligned properly tighten the accuseal clamps, then V-Bands and finally tighten the connection pipes to the catalytic converters. Give the system a once over before you start putting everything back together.

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STEP TWENTY-TWO: REINSTALLING PANELS

» Now its time to reinstall all of the panel pieces we removed for the install. Since we organized all of the pieces we shouldn't run out or have any extra parts when we are done.



STEP TWENTY-THREE: REVIEW

» Congratulations you've successfully installed your C8 Corvette Catback! Give everything a once over review on the hard work you've done. Once you've done that reconnect the battery and start enjoying your badass catback system!