



INSTALLATION GUIDE: THE AWE EXHAUST FOR THE CHEVROLET CORVETTE C6 Z06/ZR1

For up-to-date fitment information, please visit the [AWE website](#).

THIS GUIDE IS INTENDED FOR THE FOLLOWING PART NUMBERS:

- 3020-42606 AWE Track Edition Axleback Exhaust for C6 Chevrolet Corvette Z06/ZR1 - Chrome Silver Tips
- 3020-43606 AWE Track Edition Axleback Exhaust for C6 Chevrolet Corvette Z06/ZR1 - Diamond Black Tips
- 3015-42606 AWE Touring Edition Axleback Exhaust for C6 Chevrolet Corvette Z06/ZR1 - Chrome Silver Tips
- 3015-43606 AWE Touring Edition Axleback Exhaust for C6 Chevrolet Corvette Z06/ZR1 - Diamond Black Tips
- 3010-11606 AWE X-Pipe for C6 Chevrolet Corvette Z06/ZR1

Welcome to the AWE family, and congratulations on your purchase of the AWE Exhaust for the Corvette C6 Z06/ZR1.

Exquisite build quality and craftsmanship, coupled with industry leading performance, distinguish this exhaust system from all others.

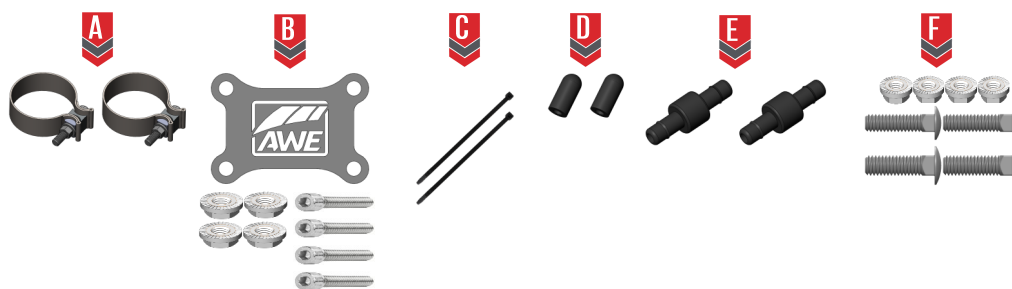
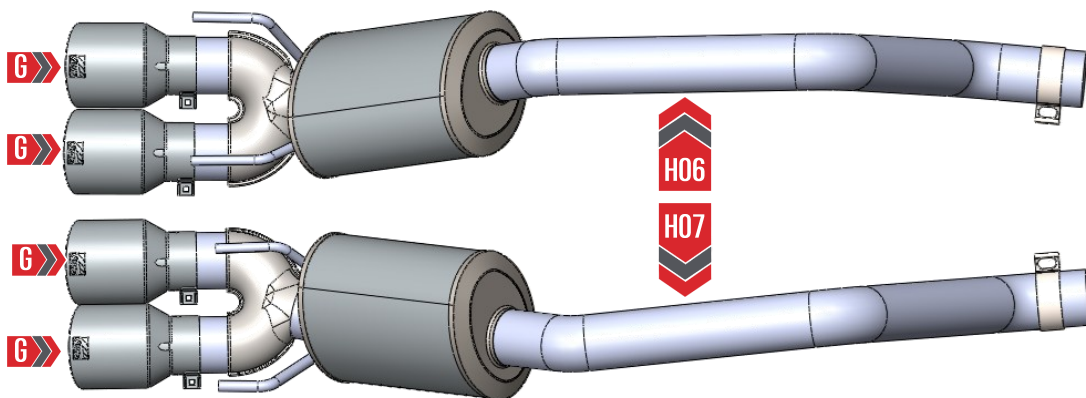
*For up to the minute fitment information, be sure to visit the AWE website. As always, AWE Performance Specialists are standing by for any questions, [right here](#).

PARTS LIST (TOURING SYSTEMS)



Inspect **ALL** parts prior to disassembly of vehicle; If damaged or **MISSING**, please contact the place of purchase immediately.

Symbol	Part Number	Description	QTY
	H06	Chevy Corvette C6 Z06 DS Touring Rear Section	1
	H07	Chevy Corvette C6 Z06 PS Touring Rear Section	1
A ➤	180300	AWE 3.0" Band Clamp	2
B ➤	3910-11013	AWE Logo Bracket Hardware Kit	1
C ➤	7130K59	Medium zip tie	2
D ➤	6448K138	Chemical-Resistant Caps for 1/8" OD, 1/2" Inside Height	2
E ➤	5058K735	Aluminum Low-Pressure Barbed Tube Fitting for 0.170" Tube ID	2
F ➤	3910-41010	**Only takes 1 of these kits per set of 2 or 4 tips** Hardware Kit for Integrated Clamp Style Exhaust Tips - Quad	1
G ➤	180014	4.50" OD x 3.00" ID, Slash Cut, Chrome Silver, AWE logo, Integrated Clamp	4
G ➤	180015	4.50" OD x 3.00" ID, Slash Cut, Diamond Black, AWE logo, Integrated Clamp	4

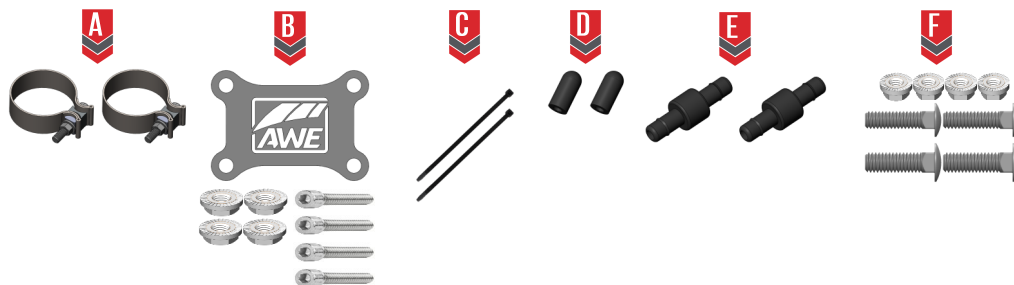
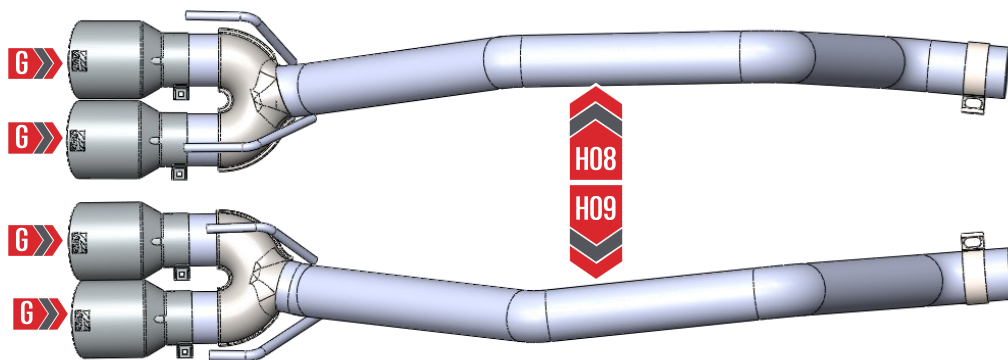


PARTS LIST (TRACK SYSTEMS)



Inspect **ALL** parts prior to disassembly of vehicle; If damaged **or MISSING**, please contact the place of purchase immediately.

Symbol	Part Number	Description	QTY
	H08	Chevy Corvette C6 Z06 DS Track Rear Section	1
	H09	Chevy Corvette C6 Z06 PS Track Rear Section	1
A >>	180300	AWE 3.0" Band Clamp	2
B >>	3910-11013	AWE Logo Bracket Hardware Kit	1
C >>	7130K59	Medium zip tie	2
D >>	6448K138	Chemical-Resistant Caps for 1/8" OD, 1/2" Inside Height	2
E >>	5058K735	Aluminum Low-Pressure Barbed Tube Fitting for 0.170" Tube ID	2
F >>	3910-41010	**Only takes 1 of these kits per set of 2 or 4 tips** Hardware Kit for Integrated Clamp Style Exhaust Tips - Quad	1
G >>	180014	4.50" OD x 3.00" ID, Slash Cut, Chrome Silver, AWE logo, Integrated Clamp	4
G >>	180015	4.50" OD x 3.00" ID, Slash Cut, Diamond Black, AWE logo, Integrated Clamp	4



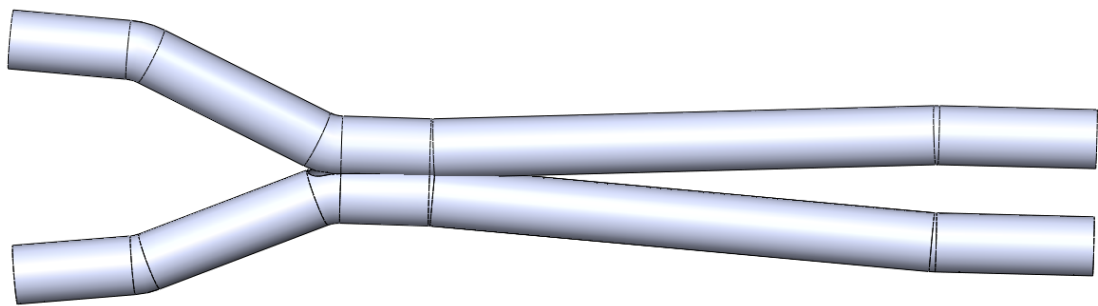


PARTS LIST (Z06 X-PIPE)



Inspect **ALL** parts prior to disassembly of vehicle; If damaged **or MISSING**, please contact the place of purchase immediately.

Symbol	Part Number	Description	QTY
	H05	Chevy Corvette C6 Z06 X-Pipe	1
	180300	AWE 3.0" Band Clamp	2





NOTE: Always refer to the manufacturer's service manual for precise torque specifications on all OEM fasteners.



NOTE: If you are only installing an axleback system, we still found it easiest to remove the full OE exhaust and reinstall the OE X-pipe after installing your AWE system opposed to trying to only remove the OE muffler sections.



IMPORTANT: The removal of the OE muffler sections has to be done with the vehicle fairly high off of the ground to achieve removal without cutting up the OE system (see **Step 7** for reference). We **HIGHLY** recommend this installation to be completed on a lift



CAUTION: The exhaust may be **VERY HOT** — allow adequate time for the system to cool down before disassembly. Severe burns and injury will occur if skin comes into contact with a hot exhaust system.

STEP 1



Soak all bolts and rubber hangers in penetrating oil before starting any work.

Remove the hardware shown at (A) that holds the spring hangers to the bracket, shown in **Figure 1-1**.

Loosen the OE clamps shown at (B) in **Figure 1-2**.



If you are only installing an AWE X-Pipe continue to Step 6.

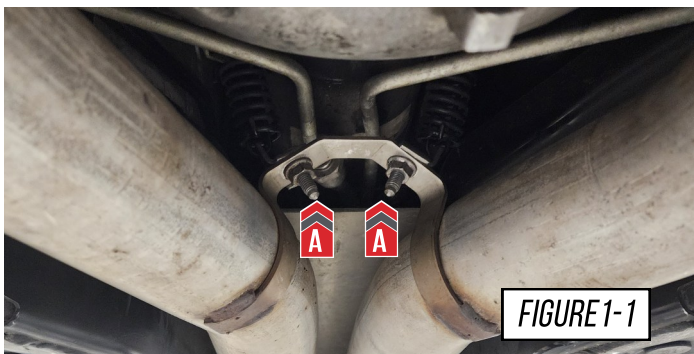


FIGURE1-1

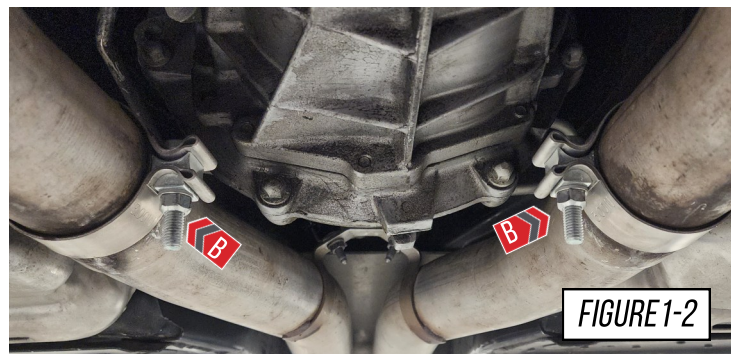


FIGURE1-2

STEP 2

Remove the hardware shown at (A) that holds the spring hangers to the bracket, shown in **Figure 2-1**.

Loosen the OE clamps shown at (B) in **Figure 2-2**.

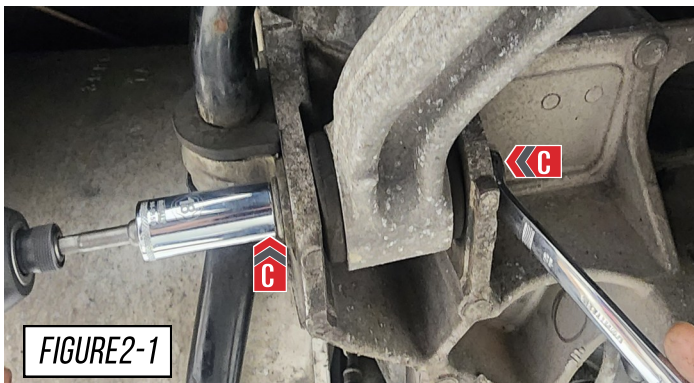


FIGURE2-1

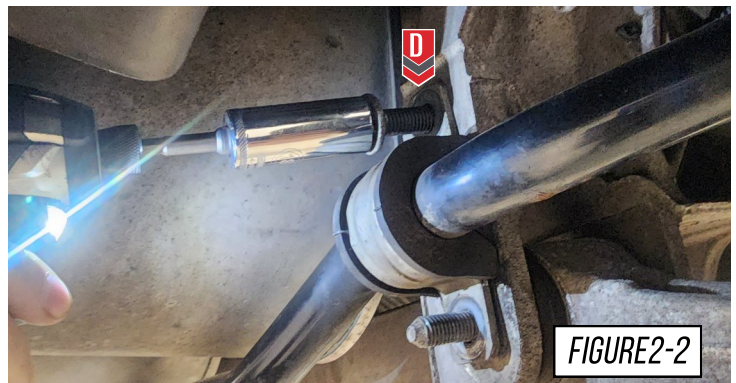
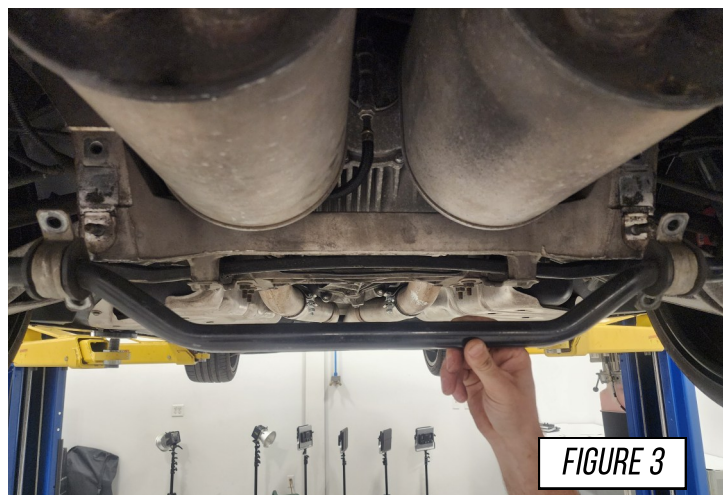


FIGURE2-2

STEP 3

With the OE sway bar hardware removed pull it off of the OE studs, and down out of the way, as shown in **Figure 3**.

This will allow for proper clearance to remove your OE muffler sections.



STEP 4

Remove the OE rubber hangers from the hanger bars as shown in **Figure 4-1** and **Figure 4-2**.

Figure 4-1 shows the outer most hanger, on the passenger side muffler at (A).

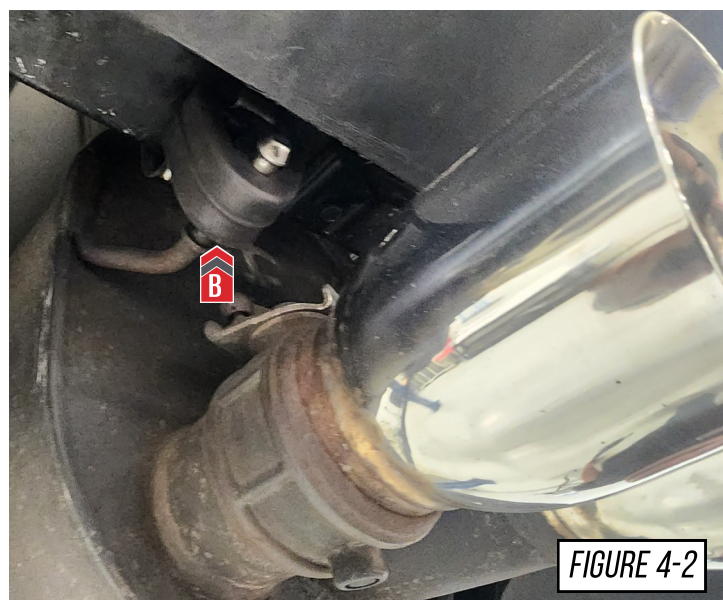
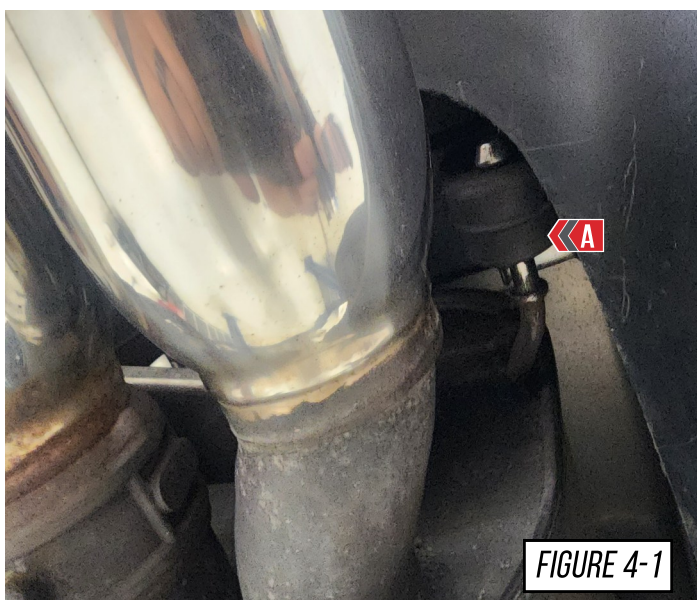
Figure 4-2, shows the inner most hanger on the passenger side muffler at (B).

With the hangers removed from the hanger bars the muffler will sit in the cavity until you are ready to remove it.

Repeat this process for the driver side muffler section.



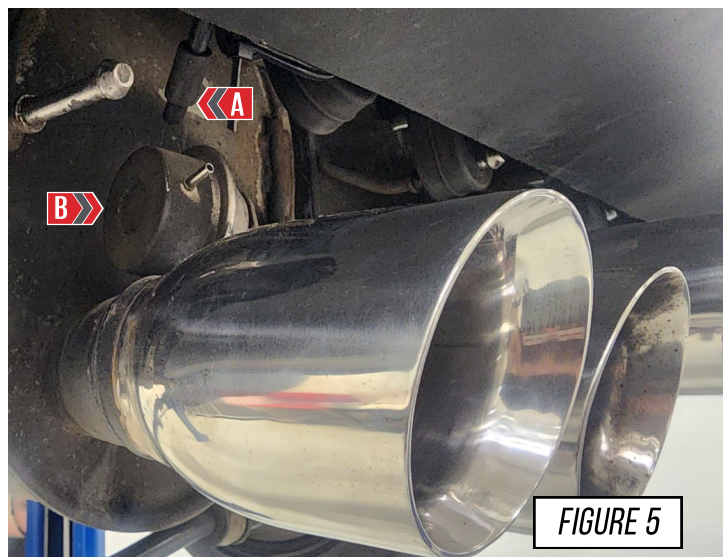
Note: To ensure correct tip alignment take a moment to exam your OE rubber hangers. If they are worn, stretched or damaged contact your local Chevrolet dealer for replacements. OE part number **22822466**



STEP 5

Disconnect the OE vacuum hose (A) from the OE valve (B), as shown in **Figure 5**.

Repeat for the opposite side.



STEP 6

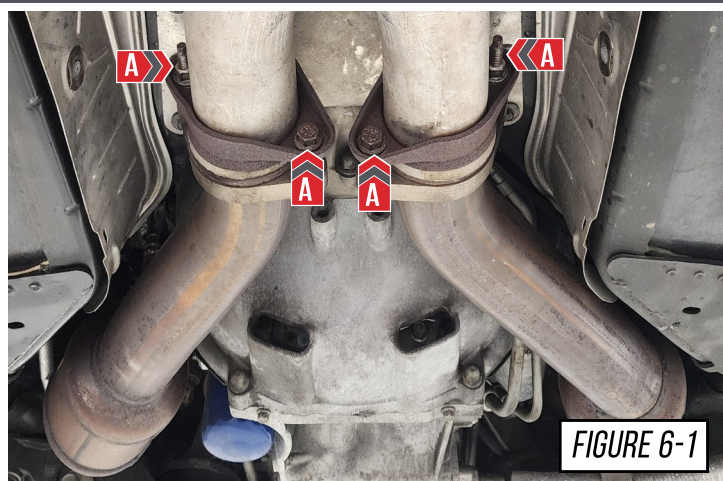
Remove the OE flanger hardware, shown at (A) in **Figure 6-1**. All of the hardware will be re-used.

With the hardware removed, slide the flanges back towards the rear of the car.

Push the whole mid section back, and once it is clear from the gaskets, and OE studs pull it down, as shown in **Figure 6-2**.



If you are only installing an AWE X-pipe continue to Step 16.



STEP 7

With the OE mid section removed, you can fully remove the OE driver side muffler section.

Do this by pulling the OE muffler down, and back out of the car, as shown in **Figure 7**.



FIGURE 7

STEP 8

Pull the passenger side muffler section down so you have full access to the heat shield on the underside of the car, as shown in **Figure 8**.



FIGURE 8

STEP 9

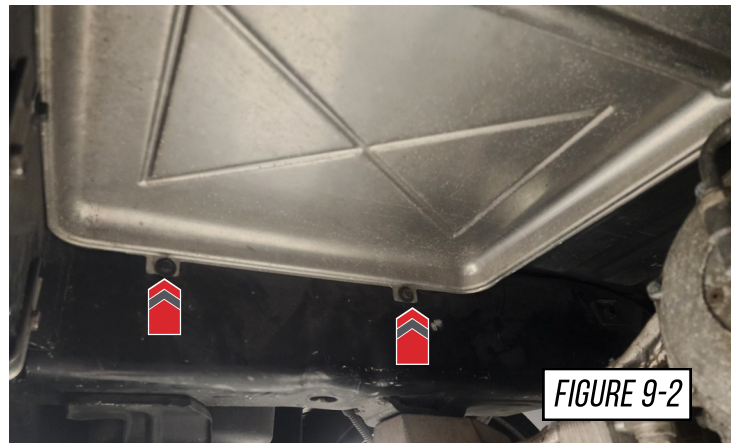
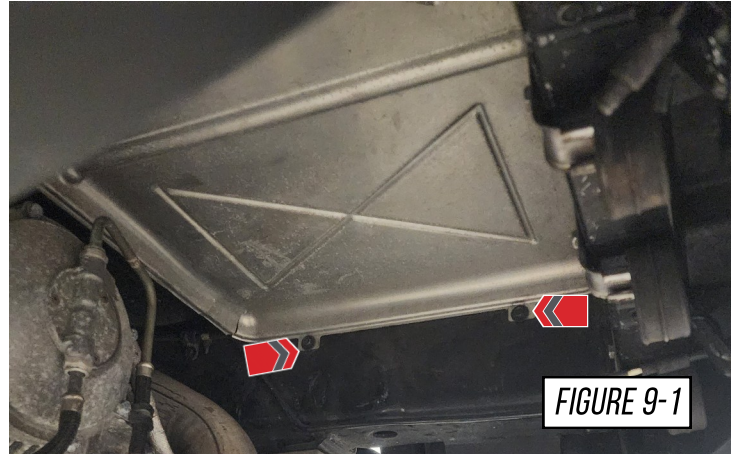
Locate the 6 bolts that hold the heat shield into place.

There are two bolts on the passenger side of the frame, as shown at (A), in **Figure 9-1**.

There are two more bolts on the driver side of the frame, as shown at (B) in **Figure 9-2**.

Lastly there are two bolts on the inside of the rear bar that the OE hangers are mounted on, as shown at (C) in **Figure 9-3**.

Note: All of the OE hardware will be reused.



STEP 10

With the OE heat shield out of the way you can now fully remove the passenger side rear section from the car. Do this by pulling the OE passenger side muffler section down, and backwards, as shown in **Figure 10**.

Note: The passenger side muffler fits snug in the car, you may be required to wiggle, rotate, or lightly shake the muffler out of the cavity.

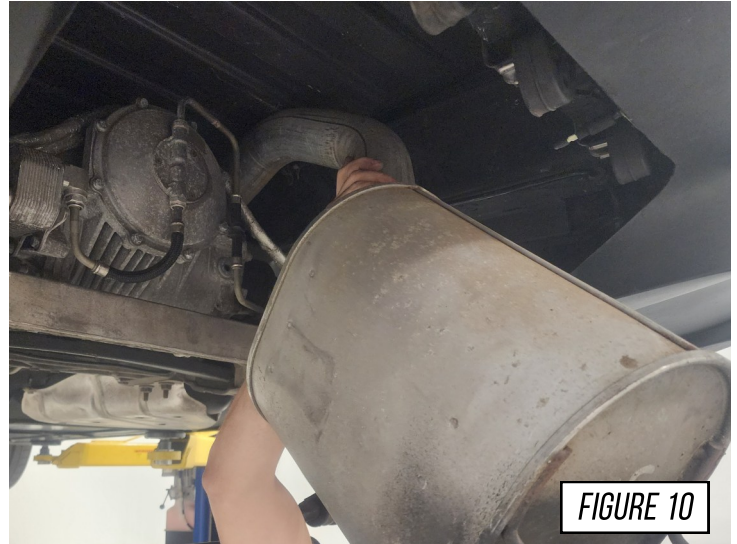


FIGURE 10

STEP 11

With both OE muffler sections fully removed you can now reinstall the heat shield that was removed in **Step 8**, as shown in **Figure 11**.

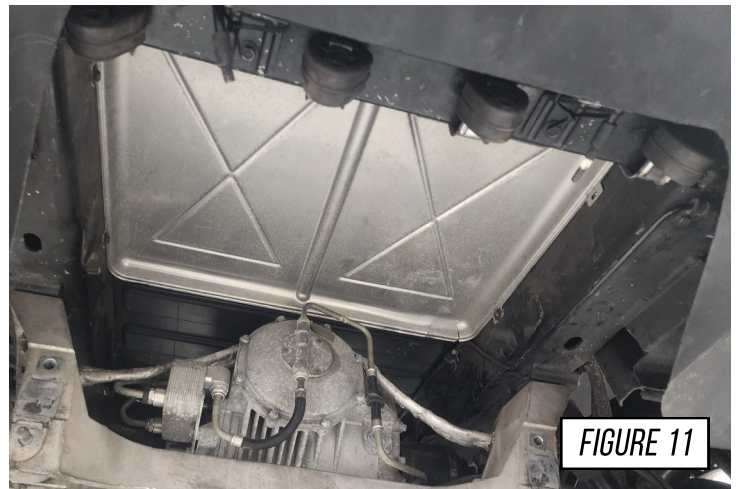


FIGURE 11

STEP 12

Gather your provided barbed fitting (A) and cap (B), as shown in **Figure 12-1**.

Slide the cap onto the fitting so it is fully seated over the barb on one side of the fitting, as shown in **Figure 12-2**.

Repeat this with the other fitting and cap.

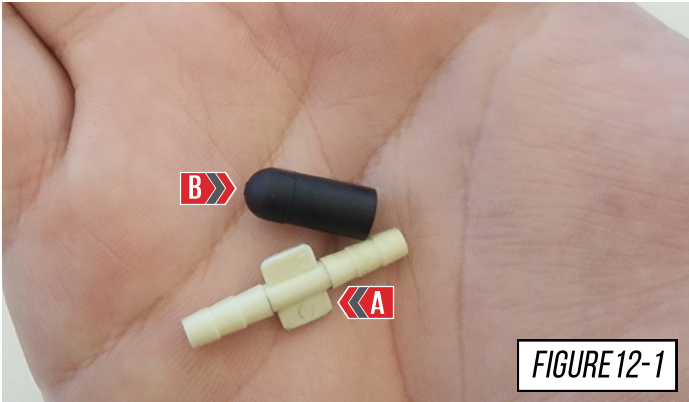


FIGURE 12-1

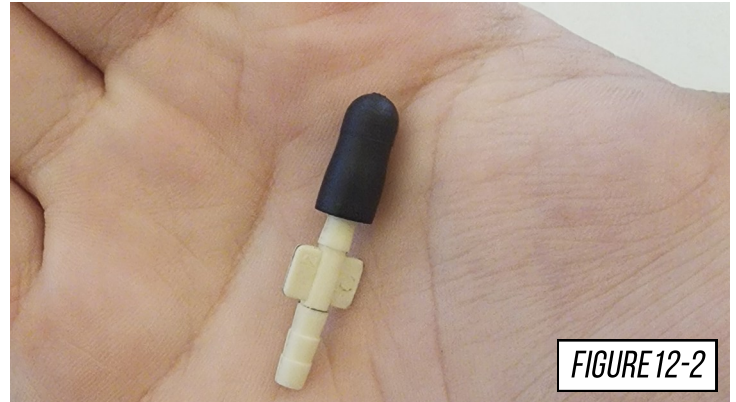


FIGURE 12-2

STEP 13

Install the capped assembly into the driver side OE vacuum hose, as shown in **Figure 13**.

Using a provided cable tie to secure the vacuum hose to the muffler bracket, ensuring that it does not make contact with any part of the exhaust .

Repeat for the passenger side vacuum hose.

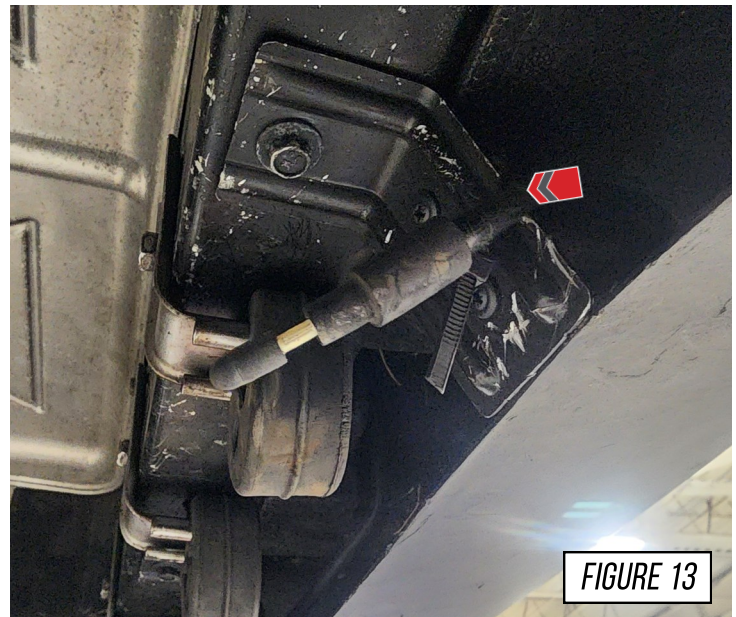


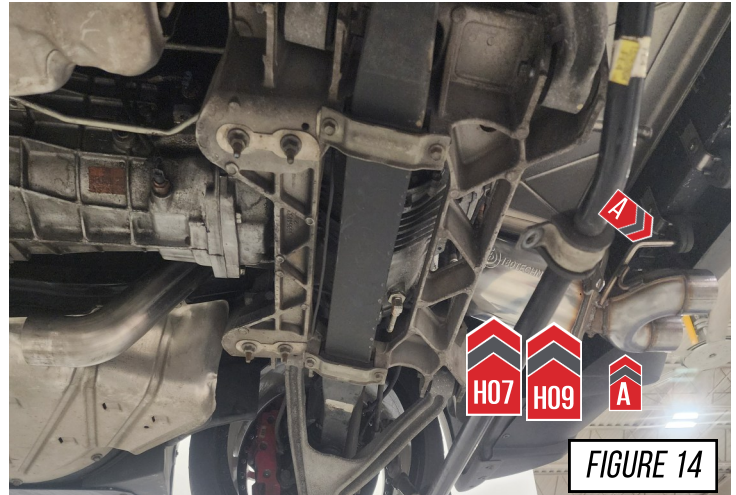
FIGURE 13

STEP 14

Gather your AWE rear section (**H07/H09**), and install it as shown in **Figure 14**.

Do this by first sliding the inlet side of the muffler tube over the rear axle towards the front of the car.

Next left the tip outlet section up into place where you can secure the hanger bars into the OE hangers, as shown at (**A**).



STEP 15

Gather your AWE rear section (**H06/H08**), and install it as shown in **Figure 15**.

Do this by first sliding the inlet side of the muffler tube over the rear axle towards the front of the car.

Next left the tip outlet section up into place where you can secure the hanger bars into the OE hangers, as shown at (**A**).



STEP 16

If you are only installing the AWE axleback this step will reuse your OE mid section, and hardware.

Gather your AWE X-Pipe (**H05**) and the 2 provided clamps. Slide the 2 clamps over the expanded outlet sides of the tubes, with the bolts oriented towards the center of the car, as shown at (**A**) in **Figure 16-1**.

Bottom out the 2 slip fits, on the over axle tubes, as shown at (**B**). You may need to wiggle and rock the X-pipe to get bot over axle tubes fully seated in the slip joints.

Now pivot the X-pipe inlets over the OE gaskets being careful not to damage them, as shown at (**C**).

Lastly reinstall the OE spring hanger bolts to the hanger bracket, as shown at (**D**) in **Figure 16-2**.

Note: If your OE gaskets are heavily worn ,or damaged you will need to contact your local dealer for a replacement. OEM Part number 10354707.

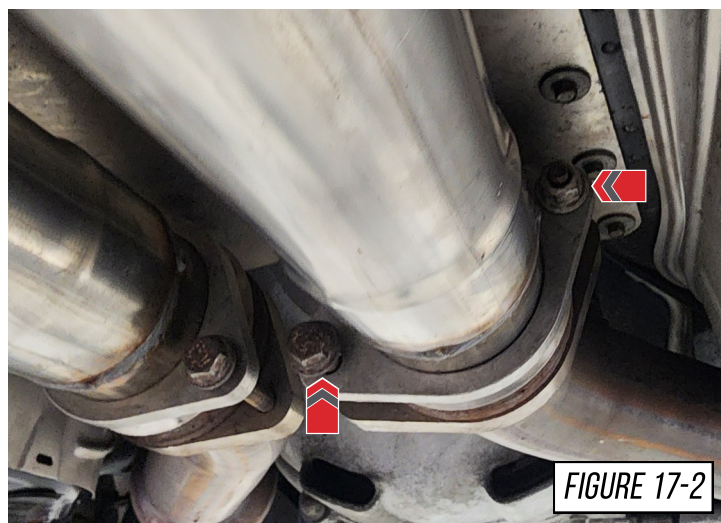
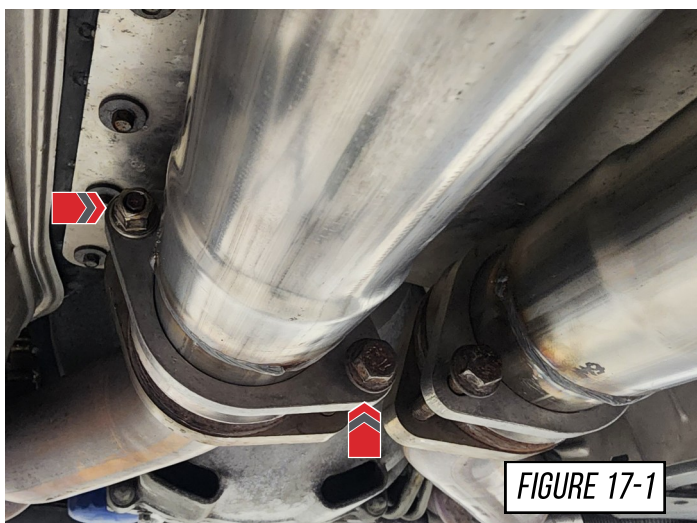


STEP 17

Reinstall the OE flange hardware, as shown in **Figure 17-1**, and **Figure 17-2**.

When installing the flange hardware it is very important to tighten all 4 bolts evenly.

Tightening the OE bolts equally is critical to keep the X-pipe centered in the tunnel, and to ensure there is no damage to the gaskets.



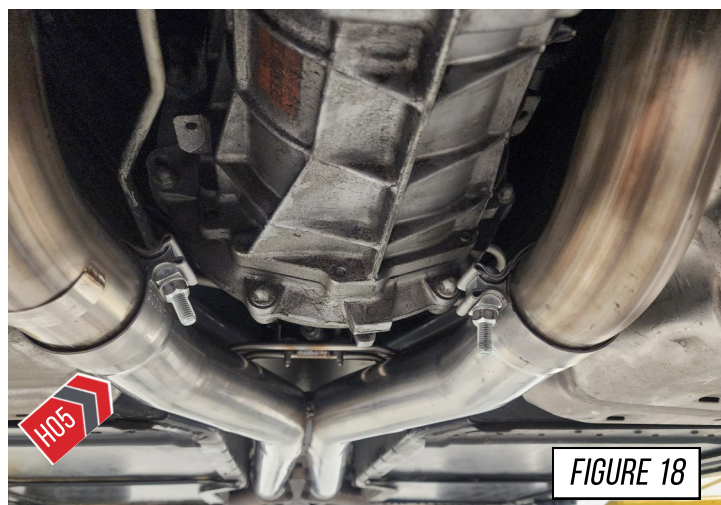
STEP 18

With your X-pipe installed it can be helpful to verify that the center section of the X-pipe is parallel with the underside of the car, as shown in **Figure 18**.

This will help when it comes time to install and adjust the tip position in the future.

If you are installing an axleback system snug the clamps but do not fully tighten them and continue to **Step 19**.

If you are only installing an AWE X-pipe, fully tighten your clamps over the slip fits, and your installation is complete! Enjoy!



STEP 19

It is crucial to install each section and exhaust band clamps correctly to prevent loose joints, exhaust leaks and rattles.

Arrow A shows the expanded pipe and the preinstalled exhaust clamp being brought up to the corresponding pipe.

Arrow B shows the overlapping pipe installed correctly over the corresponding pipe.

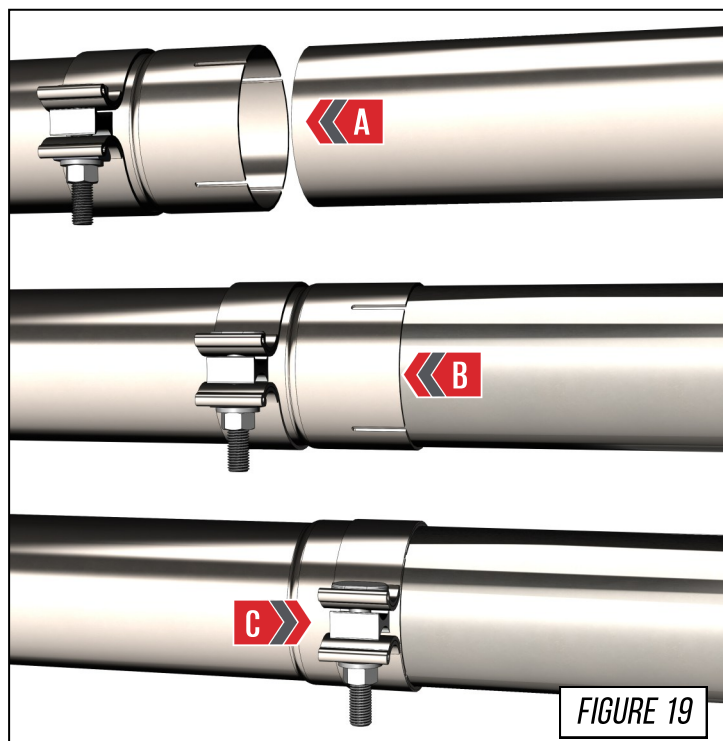
Arrow C shows the exhaust band clamp being brought to the edge of the expanded pipe.

For further assistance properly installing clamps, please **refer to the video linked [here](#)**.



NOTES:

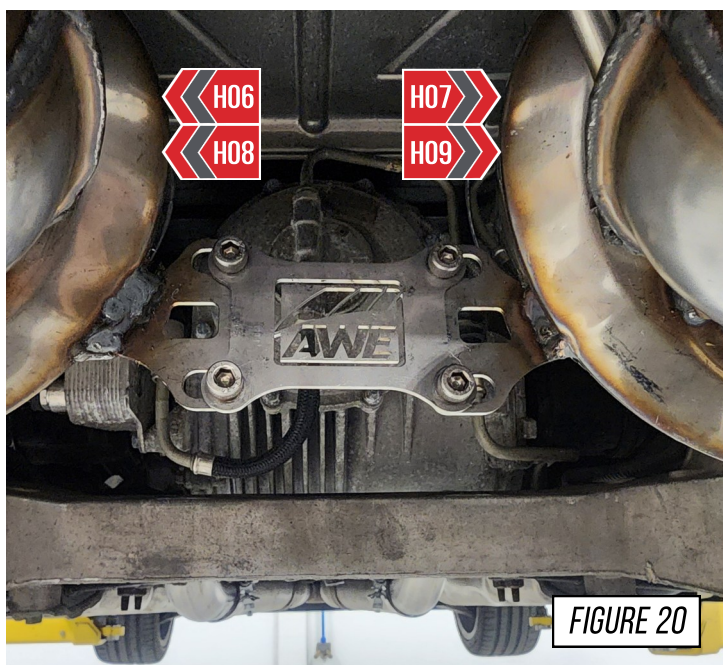
- **Do not** fully torque any exhaust clamp until the entire exhaust has been installed and adjusted.
- Torque specification is a **minimum** of 60 ft/lbs



STEP 20

Gather your AWE rear section bracket, and the provided hardware.

Use the provided lock nuts, and bolts to loosely install your AWE rear bracket, as shown in **Figure 20**.



STEP 21

With your AWE axleback tubes, and rear bracket loosely installed, orient the tip outlets so they are sitting parallel with each other, then fully tighten the hardware on the AWE rear bracket (**110032**)

Note: The AWE rear bracket has slotted holes to allow for adjustment, and to help with tip spacing.

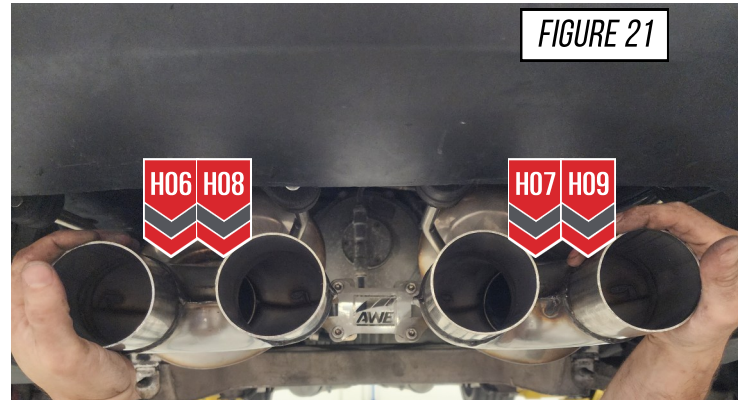


FIGURE 21

STEP 22

To install the exhaust tips with integrated clamps, first, attach the exhaust tip in the proper orientation onto the exhaust outlet tube.

Insert one of the carriage bolts from the hardware kit (**3910-41010**) through the tab on the exhaust tip and thread on one of the corresponding nuts.

Using anti-seize on the bolt threads will help installation and prevent breakage of hardware.



If exhaust system only has 2 exhaust tips while the integrated clamp kit has enough hardware for our 4 tip exhaust systems. You will have 2 sets of hardware left over that will not be used.

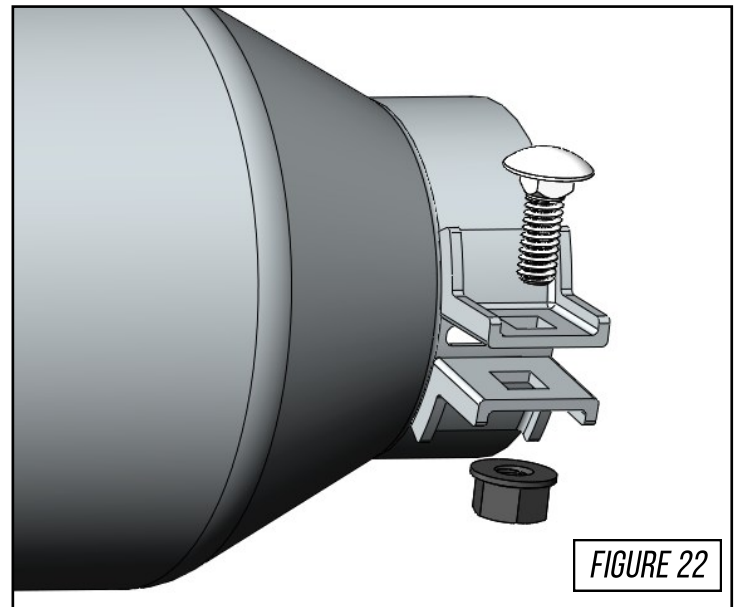


FIGURE 22

STEP 23

Now install your four tips onto your exhaust, as shown in **Figure 23**.

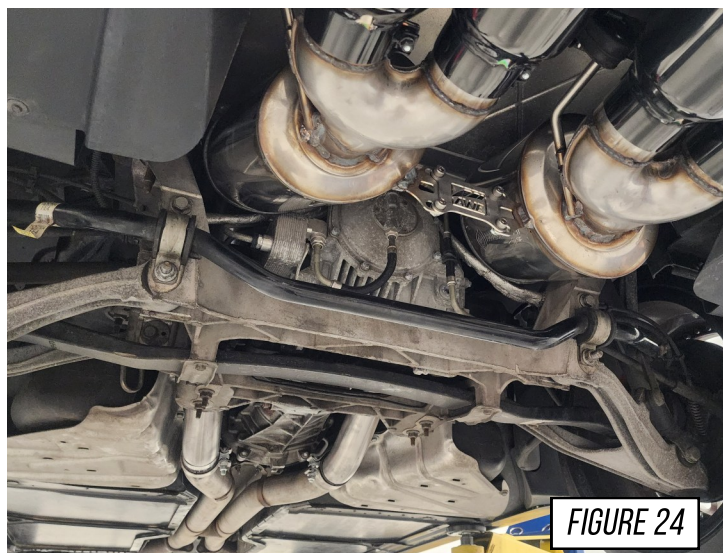
Make adjustments to the tip outlets until your desired tip position is achieved, then work from front clamps back fully tightening all clamps, and hardware.



FIGURE 23

STEP 24

Using the OE hardware, reinstall your rear sway bar, as shown in **Figure 24**.



STEP 25

With the complete AWE exhaust system installed, all clamps tightened and the tips aligned. It is now recommended to drive the car to allow the exhaust to heat cycle.



At this point the exhaust will be **very hot**, allow to cool before work continues.

With the car cooled down, check the tips for correct alignment.



Don't forget to look below for any troubleshooting needs!



ENJOY!



TROUBLESHOOTING

Issue	Solution
Exhaust is not fitting correctly	Most fitment issues are due to improperly adjusted exhaust. This includes tip fitments and rattling due to chassis contact. Check out our FAQ/ fitment guide for more installation tips.
Incorrect or missing parts	Double check the parts list for your system and compare them with what you received. Fill out our contact form, found below and let us know what parts you need.

CARE

Once installed properly, your AWE exhaust will provide years of trouble-free performance.

The exhaust volume and sound will settle with usage; 800-1000 miles is required to break-in new exhaust systems.

Also, please note that the rear **180 Technology®** resonator has a small drain hole to allow condensation to escape. Water drops from this area are normal.

Periodic cleaning of exhaust tips is necessary to maintain proper finish, especially in areas prone to road salt and caustic deicing solutions. Use a mild soap and water solution or car wax to clean the finish. Avoid using abrasive polishes, as they can scratch the finish. For best results, we recommend [AWE's Fantastic Tip Tonic](#).

Any questions or comments,
please do not hesitate to contact us:

AWE
[CONTACT FORM](#)

WARRANTY

Up-to-date warranty information is found [HERE](#).