



INSTALLATION GUIDE: AWE C8 CORVETTE TRACK AND TOURING EXHAUST

For up-to-date fitment information, please visit the product page on [AWE-Tuning.com](https://www.awe-tuning.com).

THIS GUIDE IS INTENDED FOR THE FOLLOWING PART NUMBERS:

- 3020-42080 AWE Track Edition Exhaust for C8 Corvette - Quad Chrome Silver Tips
- 3020-43086 AWE Track Edition Exhaust for C8 Corvette - Quad Diamond Black Tips
- 3015-42151 AWE Touring Edition Exhaust for C8 Corvette - Quad Chrome Silver Tips
- 3015-43159 AWE Touring Edition Exhaust for C8 Corvette - Quad Diamond Black Tips
- 3820-11047 AWE Touring to Track Exhaust Conversion Kit for C8 Corvette
- 3815-11045 AWE Track to Touring Exhaust Conversion Kit for C8 Corvette

Welcome to the AWE family, and congratulations on your purchase of the AWE Exhaust system for the C8 Corvette.

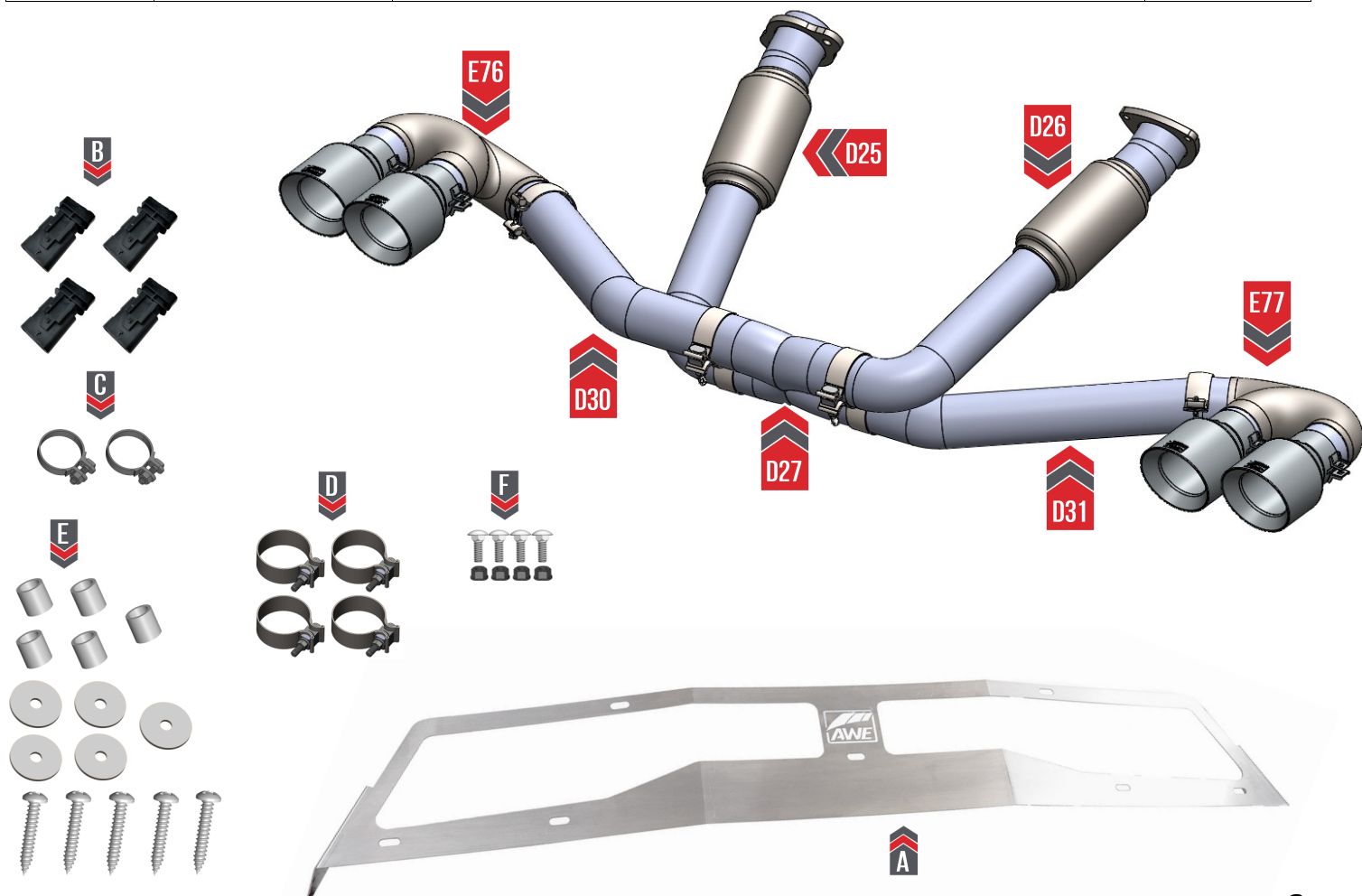
Exquisite build quality and craftsmanship, coupled with industry leading performance, distinguish this exhaust system from all others.

*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 (TRACK)

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

Symbol	Part Number	Description	QTY
	D25	C8 Corvette DS flex section tube	1
	D26	C8 Corvette PS flex section tube	1
	D27	C8 Corvette X Pipe	1
	D30	C8 Corvette DS Track section	1
	D31	C8 Corvette PS Track section	1
	E76	DS tip section	1
	E77	PS tip section	1
A	110060	C8_Rear_Heat_Shield	1
B	1310-11040	AWE_GM_electronic_valve_simulator	4
C	SEC75	3" ball clamp	2
D	180300	AWE Band Clamp: 3"	4
E	3910-11008	HARDWARE KIT	1
F	3910-41010	Integrated Clamp Kit	1
	7130K59	Cable Ties	4
Chrome Tips Only			
	180014	Chrome tip	4
Black Tips Only			
	180015	Black Chrome tip	4

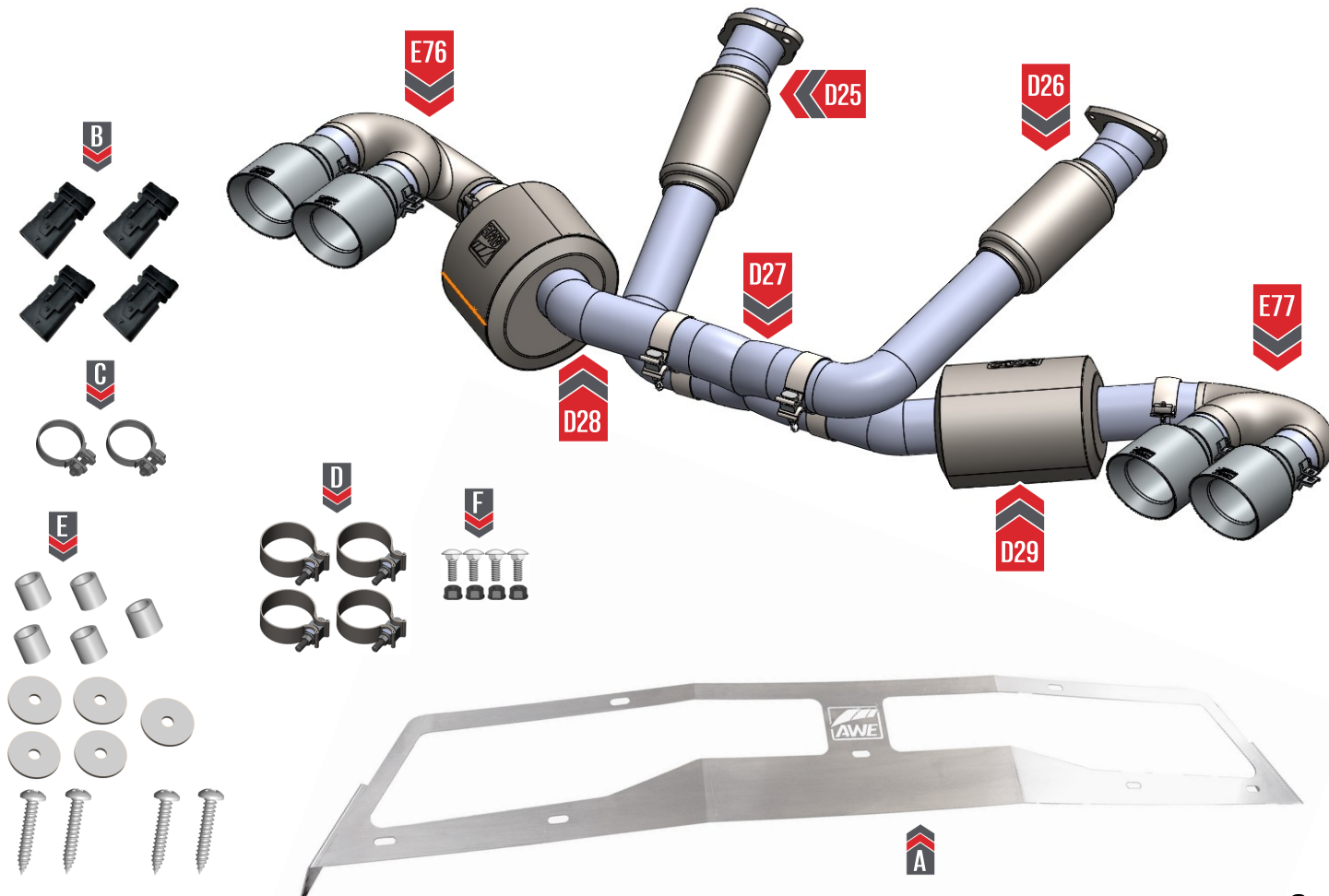


PARTS LIST (TOURING)



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

Symbol	Part Number	Description	QTY
	D25	C8 Corvette DS flex section tube	1
	D26	C8 Corvette PS flex section tube	1
	D27	C8 Corvette X Pipe	1
	D28	C8 Corvette DS Touring section	1
	D29	C8 Corvette PS Touring section	1
	E76	DS tip section	1
	E77	PS tip section	1
A	110060	C8_Rear_Heat_Shield	1
B	1310-11040	AWE_GM_electronic_valve_simulator	4
C	SEC75	3" ball clamp	2
D	180300	AWE Band Clamp: 3"	4
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	7130K59	Cable Ties	4
Chrome Tips Only			
	180014	Chrome tip	4
Black Tips Only			
	180015	Black Chrome tip	4





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



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.

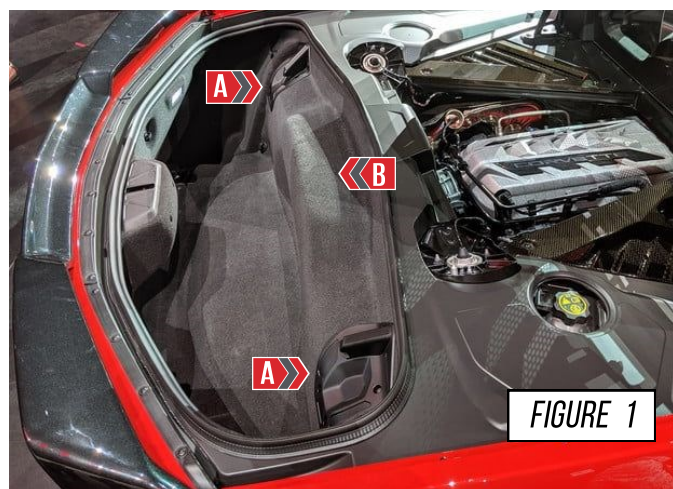


IF YOU DO NOT THOROUGHLY READ AND FOLLOW THESE INSTRUCTIONS, YOU MAY HAVE TO TAKE YOUR VEHICLE TO THE DEALERSHIP FOR A VALVE RELEARN



STEP 1

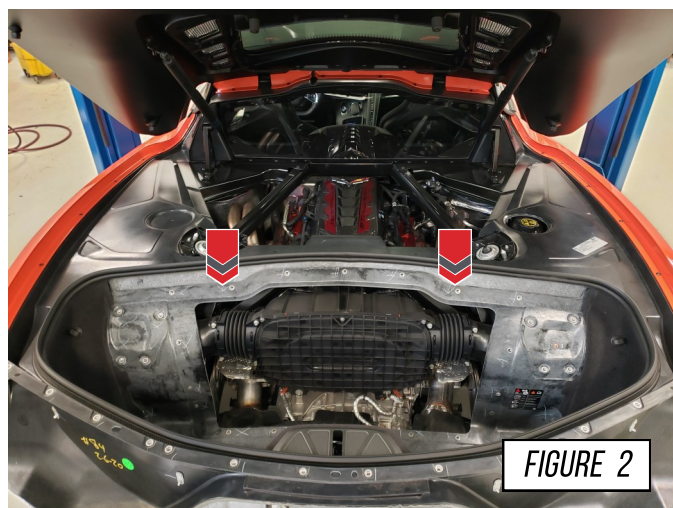
Start by removing the trunk liner for access to the exhaust flanges. First remove the 2 latches, shown as (A.) Then remove the trunk liner, shown as (B.)



STEP 2

With the trunk liner removed, remove the screws holding the maintenance door in place, as shown in **Figure 2**.

Note: Save for reinstalling



STEP 3

Spray the both the driver and passenger side flange with penetrating oil, to aid in removal. Let the penetrating oil soak while removing the bumper.



Exhaust must be cool or oil will burn.

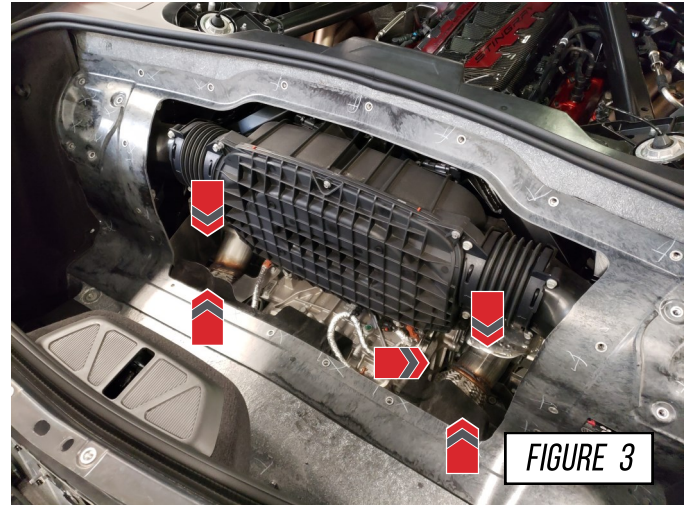


FIGURE 3

STEP 4-STINGRAY ONLY

Begin on both the driver and passenger side of the vehicle, remove the OE plastic covers, shown in **Figure 4.1**. The covers are only attached with plastic tabs, to remove carefully but firmly pull away from the vehicle, shown in **Figure 4.2**.



FIGURE 4.1



FIGURE 4.2

STEP 4-WIDEBODY ONLY



This section of Step 4 is for widebody cars only.

On both the driver and passenger side of the vehicle, remove the OE plastic ducts, shown in **Figure 4.3**.

The covers are attached with three bolts shown at the arrows in **Figure 4.3**, remove the bolts then carefully pull out the duct.



FIGURE 4.3

STEP 4-WIDEBODY CONT



This section of Step 4 is for widebody cars only.

With the OE covers removed from both sides, under the covers you will find 1 torx screw per side holding the wheel liner in places, remove these screws, as shown in **Figure 4.4**.

Note: Save for reinstalling



FIGURE 4.4

STEP 5

With the OE covers removed from both sides, under the covers you will find 2 per side torx screws holding the wheel liner in places, remove these screws, as shown in **Figure 5**.

Note: Save for reinstalling



FIGURE 5

STEP 6

Pull back the wheel liner and remove the 2 torx screw (A) and the 1 nut (B) per each side, shown in **Figure 6**, with the bumper already removed.

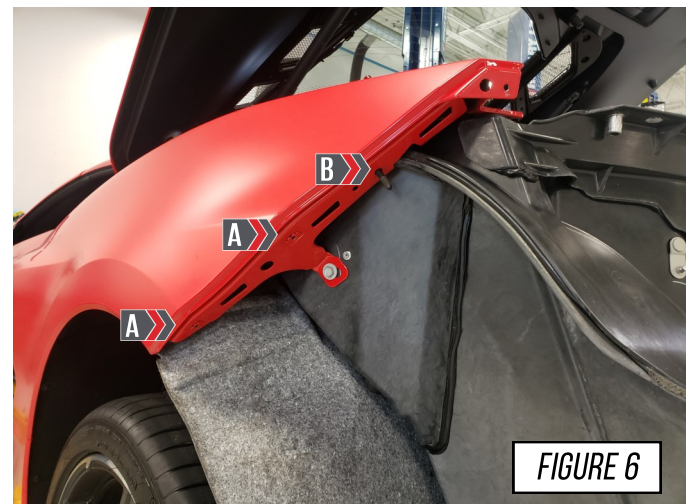


FIGURE 6

STEP 7

Remove the 2 OE plastic covers on the bottom side of the bumper, held in place with a combination of torx screws, hex screws and plastic reusable rivets, shown removed in **Figure 7**.

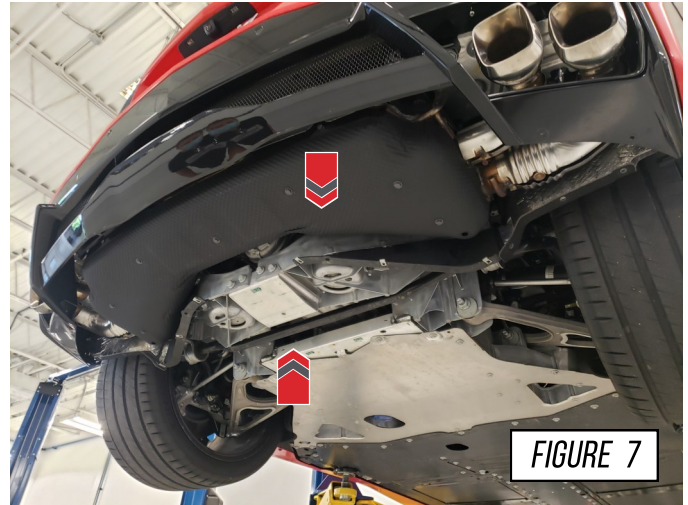


FIGURE 7

STEP 8

Remove the torx screws along the top of the bumper under the trunk lid, shown in **Figure 8**.



FIGURE 8

STEP 9

Remove the bumper by carefully pulling it straight off, with enough space reach down and unplug the 3 OE plug connectors, shown in **Figure 9**, then completely remove the bumper.

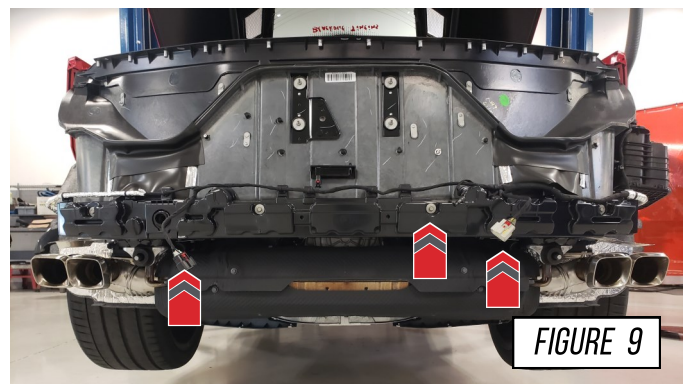
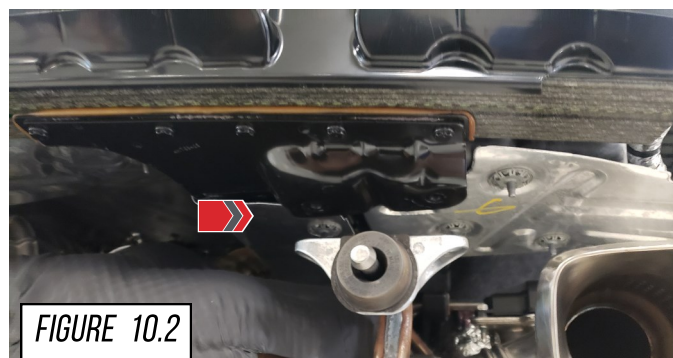
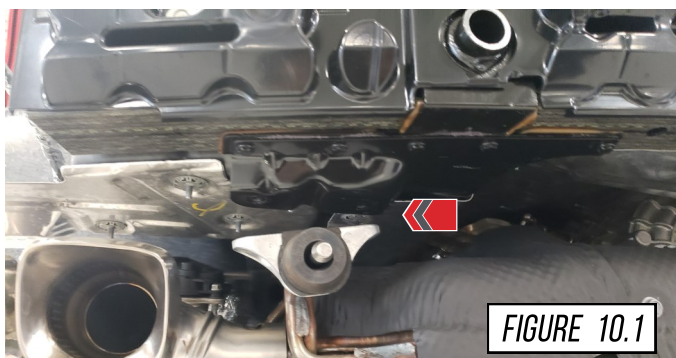


FIGURE 9

STEP 10

Remove the 2 bolts, per side holding the rear muffler hangers in place, as shown in **Figure 10.1** and **Figure 10.2**.

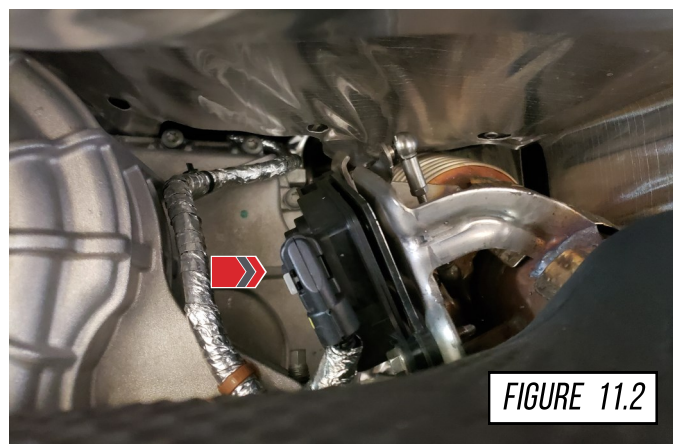
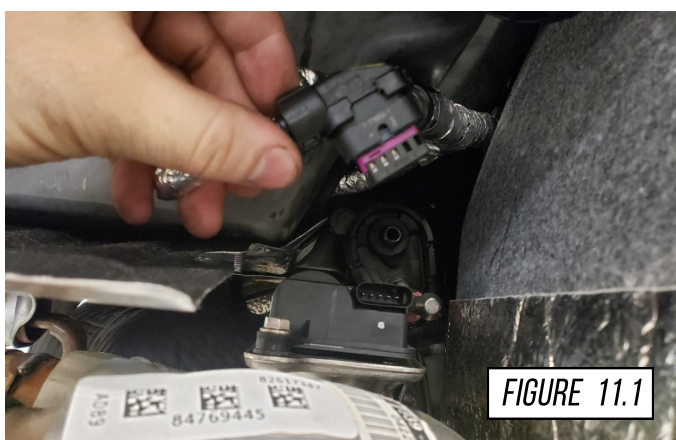
Note: Allow exhaust to fully drop down, for access to the down pipe bolts.



STEP 11

Unplug the 2 NPP valves, as shown in **Figure 11.1** and the 2 AFM valves, as shown in **Figure 11.2**.

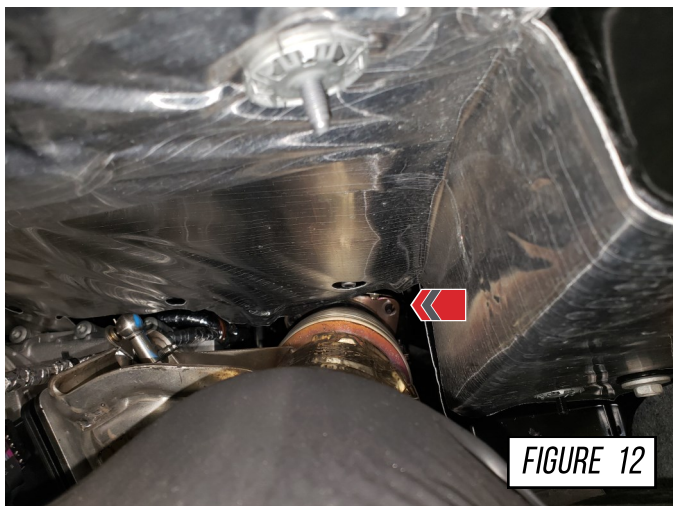
Note: Not all vehicles have NPP valves.



STEP 12

Using a long extension, remove the 2 bolt driver side flange and 3 bolt passenger side downpipe flange, shown in **Figure 12**.

Note: Can access some bolts through the trunk.



STEP 13

Now remove the OE exhaust by removing the 2 middle hangers, shown in **Figure 13**, allowing the exhaust to be removed as 1 piece.



**STEP 14 IS CRITICAL FOR CORRECT INSTALLATION OF YOUR
ELECTRONIC VALVE SIMULATORS**



STEP 14

To install your AWE electronic valve simulators follow this procedure **very carefully**.

First, line your valve simulator (A) up with the pig tail connector on the car (B), as shown in **Figure 14-1**.

Second, insert your valve simulator (A) into the connector (B), as shown in **Figure 14-2**. Push the locking tab until you hear, and feel it click into position.



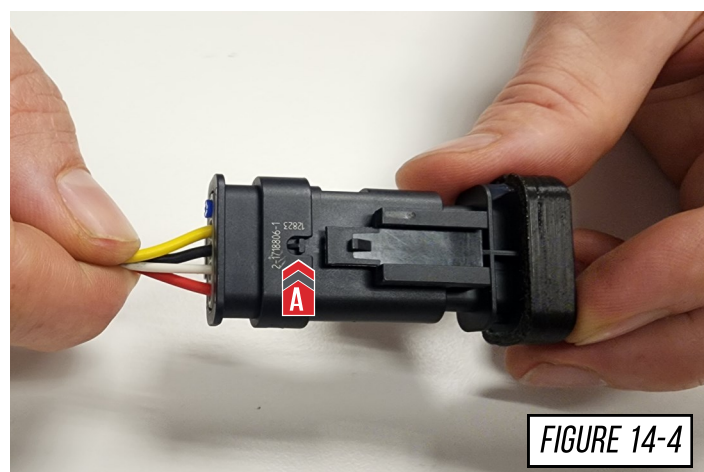
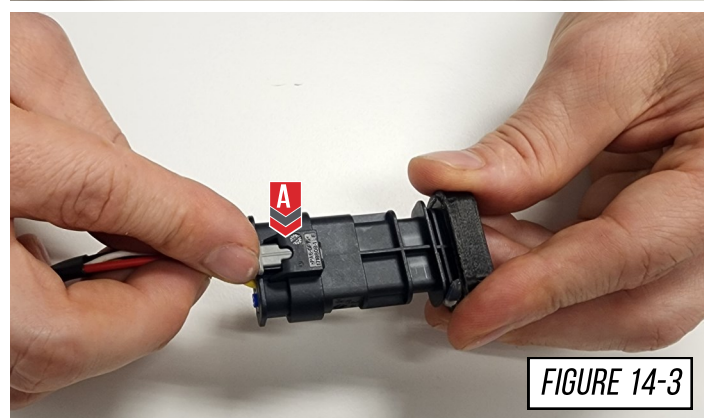
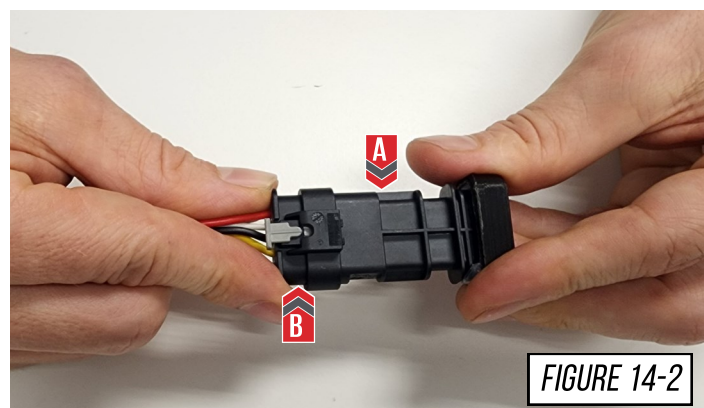
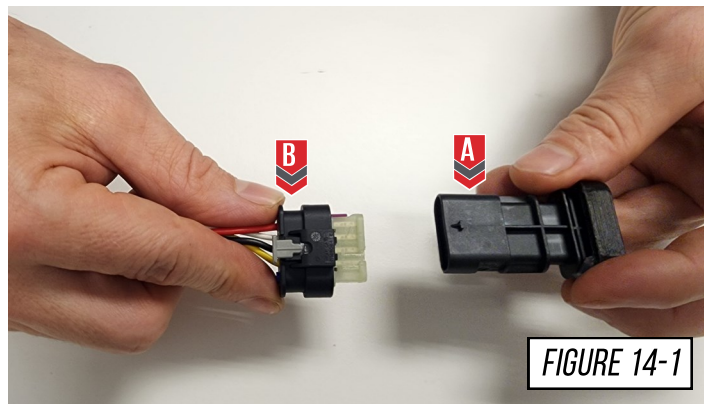
If you do not hear, and feel the click you have not installed the valve simulator correctly and increase risk of getting a CEL.

Now push the locking tab on the connector forward, as shown at (A) in **Figure 14-3**. This will ensure that the valve simulator is fully locked into position.

To verify you have installed your AWE electronic valve simulators correctly, you should be able to see the locking tab on the simulator plug, fully seated in the cut out of the connection, as shown at (A) in **Figure 14-4**.

Please take a moment to watch a short video on installing your C8 valve simulators at www.awec8sim.com

(And here's a QR code in case you printed this)



STEP 15

Install the AWE GM electronic valve simulator onto the passenger side AFM valve connector harness (A) which is located on the side of the transaxle.

Using the supplied zip tie to secure it into place, as shown at point (B) in **Figure 15**.

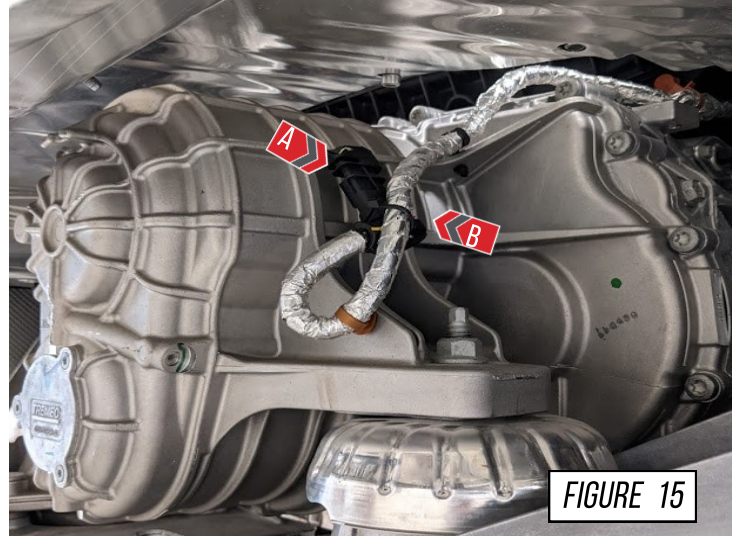


FIGURE 15

STEP 16

Install the AWE GM electronic valve simulator onto the driver side AFM valve connector harness which is located on the side of the transaxle.

Using the supplied zip tie to secure it into place, as shown at (A) in **Figure 16**.

Note: The zip tie shown at (B) is used to hold the AWE GM electronic valve simulator into place. The zip tie shown at (C) is an OE zip tie.

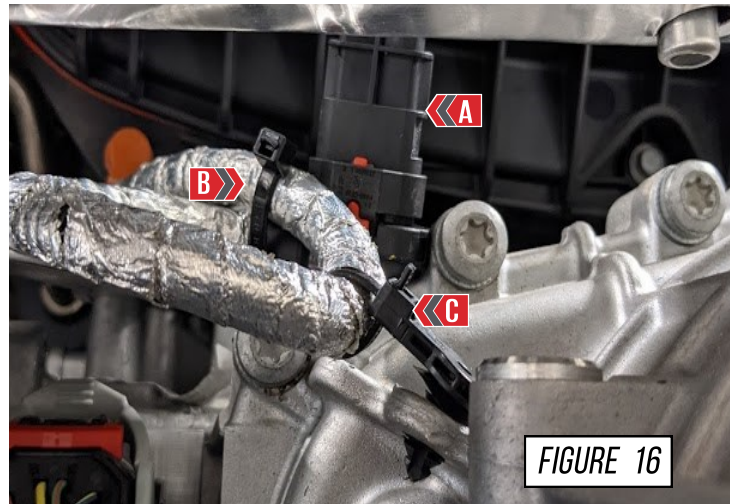


FIGURE 16



IF YOUR VEHICLE IS NOT EQUIPPED WITH NPP VALVES SKIP TO STEP 19



STEP 17

Install the AWE GM electronic valve simulator onto the passenger side NPP valve connector harness (A).

Using the supplied zip tie to secure it into place, as shown at (B) in **Figure 17**.



FIGURE 17

STEP 18

Install the AWE GM electronic valve simulator onto the driver side NPP valve connector harness (A).

Using the supplied zip tie to secure it into place, as shown at (B) in **Figure 18**.

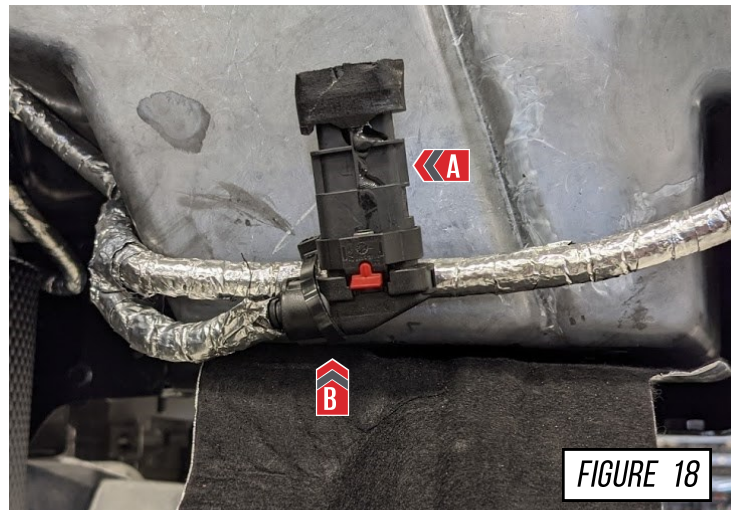


FIGURE 18

STEP 19

It is crucial to make sure your simulators are plugged in at the correct orientation. To do this ensure the red clip, as shown at (A) in **Figure 19**, is fully engaged, and firmly pull the simulator. If the simulator does not unplug it is installed correctly.



FIGURE 19

STEP 20

Install the driver side AWE downpipe tube (D25) using the 2 OE nuts, as shown in **Figure 20**.



Do not tighten down flange at this time.

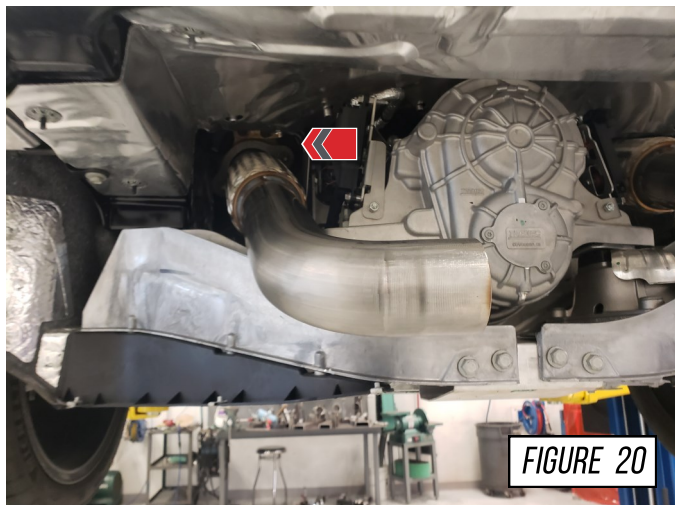


FIGURE 20

STEP 21

Install the passenger side AWE downpipe tube (D26) using the 3 OE nuts, as shown in **Figure 21**.

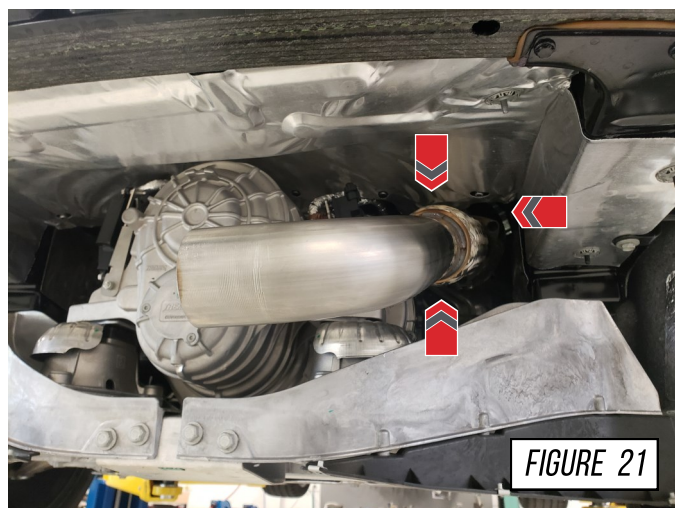


FIGURE 21

STEP 22

Install the AWE X pipe section (D27) with 2 supplied clamps and the slip fits over both AWE downpipes, as shown in **Figure 22**.

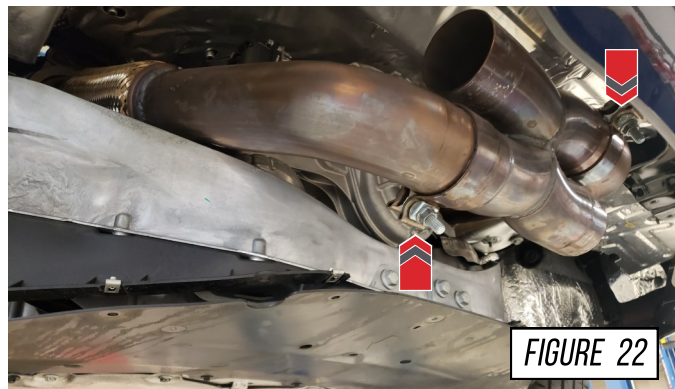
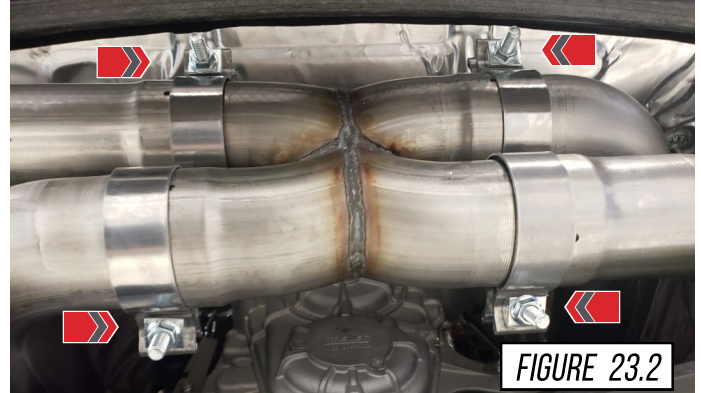
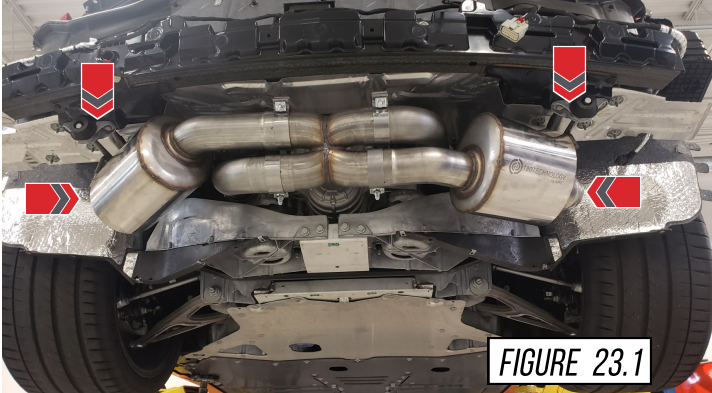


FIGURE 22

STEP 23

Install the AWE driver (D28/ D29) and passenger (D30/ D31) using all 4 of the OE hangers and hardware, as shown in **Figure 23.1**. For best access with the bumper back on, align the supplied clamps, as shown in **Figure 23.2**.



STEP 24

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.

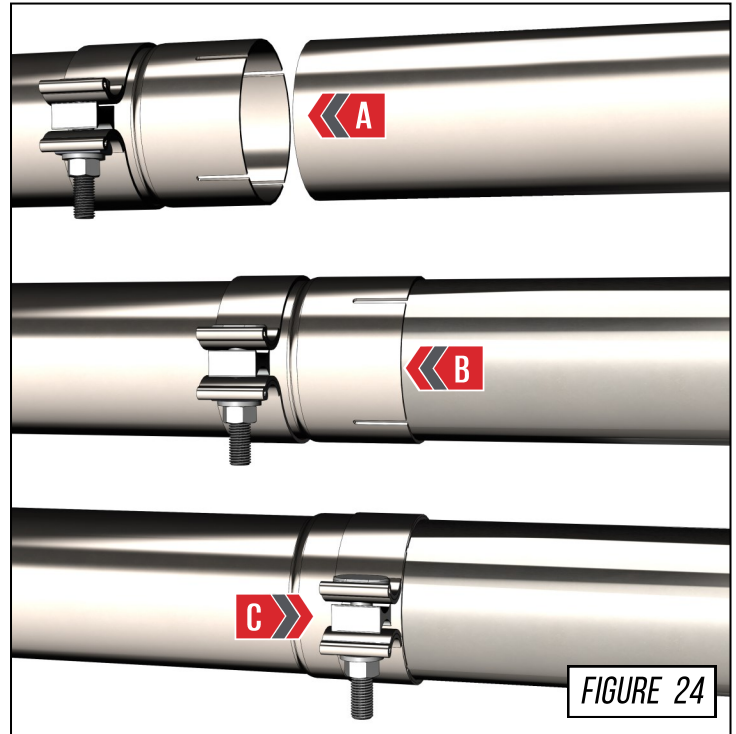
Arrow B shows the overlapping pipe installed correctly over the corresponding pipe.

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



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 25

Tighten the OE bolts on the driver side down pipe flange, as shown in **Figure 25**. Doing so at this point ensure correct alignment to the AWE X-pipe, tighten all bolts evenly.



Only tighten OE driver side flange nuts, after clamps and hangers are tight and secure in place.

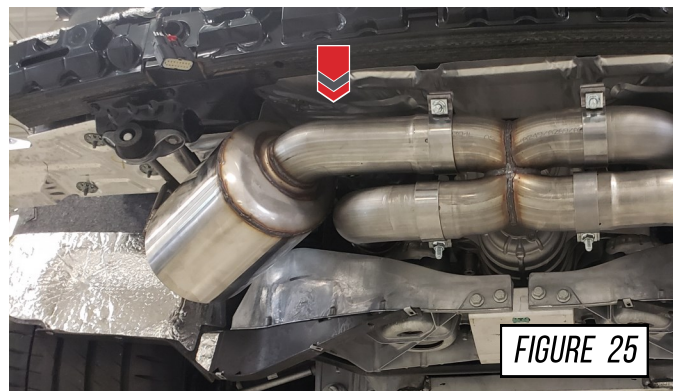


FIGURE 25

STEP 26

Install the AWE heat shield to the inside of the bumper, as shown in **Figure 26.1**. The top 2 holes (A) use the OE hardware and the bottom 5 holes (B) is using supplied hardware, as shown in **Figure 26.2**.



Install on bumper before attached to vehicle.

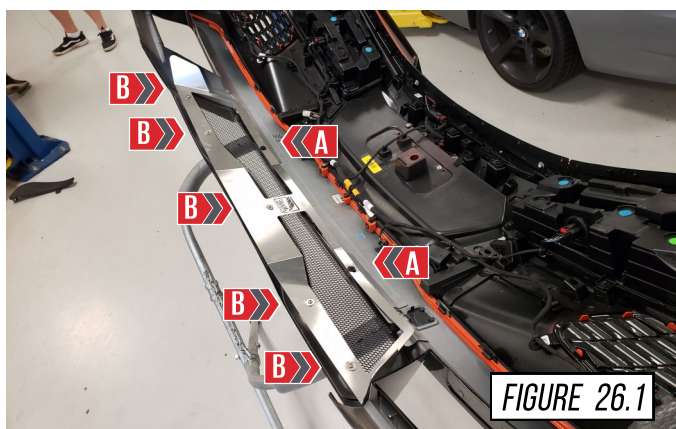


FIGURE 26.1

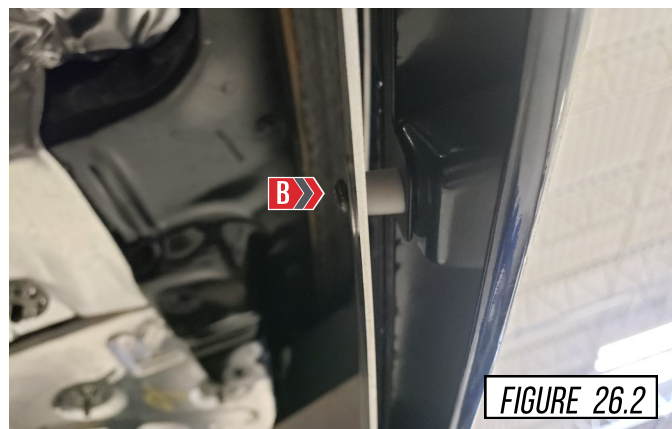


FIGURE 26.2

STEP 27

Reinstall the maintenance door and the trunk liner, as shown in **Figure 27**.



FIGURE 27

STEP 28

Reinstall the rear bumper, ensure the 3 OE plug connectors are connected and re attached to the bumper as before removed. As shown in **Figure 28**.



Tip sections will not be install yet.



FIGURE 28

STEP 29

Reinstall the torx screws along the top of the bumper under the trunk lid removed earlier, as shown in **Figure 29**.



FIGURE 29

STEP 30

Pull back the wheel liner and reinstall the 2 torx screw (A) and the 1 nut (B) per side, as shown in **Figure 30**, with the bumper already removed.

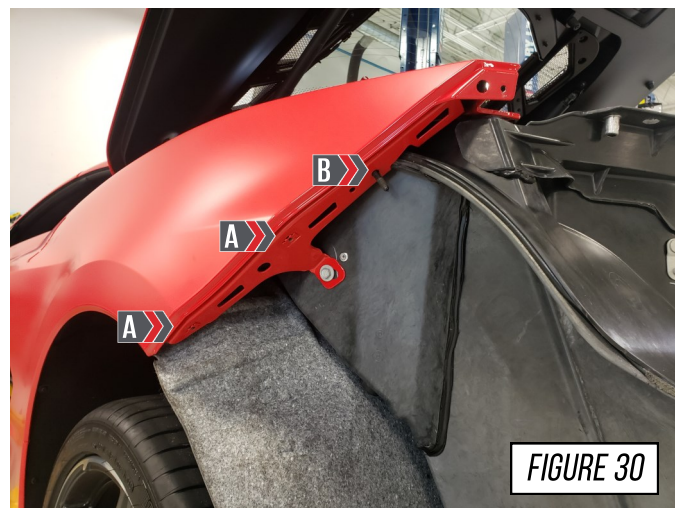


FIGURE 30

STEP 31

Reinstall the 2 per side torx screws holding the wheel liner in places, as shown in **Figure 31**.



FIGURE 31

STEP 32

Reinstall the driver and passenger OE plastic covers. The covers are only attached by plastic clips, firmly push the part onto the vehicle, as shown in **Figure 32**.



FIGURE 32

STEP 33

Reinstall the 2 OE plastic covers on the bottom side of the bumper, attached with a combination of torx screws, hex screws and plastic reusable rivets, as shown removed in **Figure 33**.



FIGURE 33

STEP 34

Install the AWE tip sections, driver (**E76**) and passenger (**E77**) with the 2 supplied ball clamps, as shown in **Figure 34.1** and **34.2**.

Note: **Figure 34.3** is shown for reference of properly installed exhaust and tip components.



FIGURE 34.1



FIGURE 34.2



FIGURE 34.3

STEP 35

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.

Check the tips for correct alignment, adjust as needed.



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



FIGURE 35

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 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 **180Technology®** 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.

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

AWE

215-658-1670

[CONTACT FORM](#)

WARRANTY

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