



INSTALLATION GUIDE: AWE EXHAUST SUITE FOR THE C8 AUDI RS6/RS7

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



It is recommended that the installation of this product is done by an authorized AWE installer or professional trained in installing products on late model Audi vehicles.

THIS GUIDE IS INTENDED FOR THE FOLLOWING PART NUMBERS:

3025-33776 AWE SwitchPath Catback Exhaust for Audi C8 RS6/RS7 with RS Oval Tips Diamond Black

Welcome to the AWE family, and congratulations on your purchase of the AWE Exhaust System for the Audi C8 RS6/RS7.

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

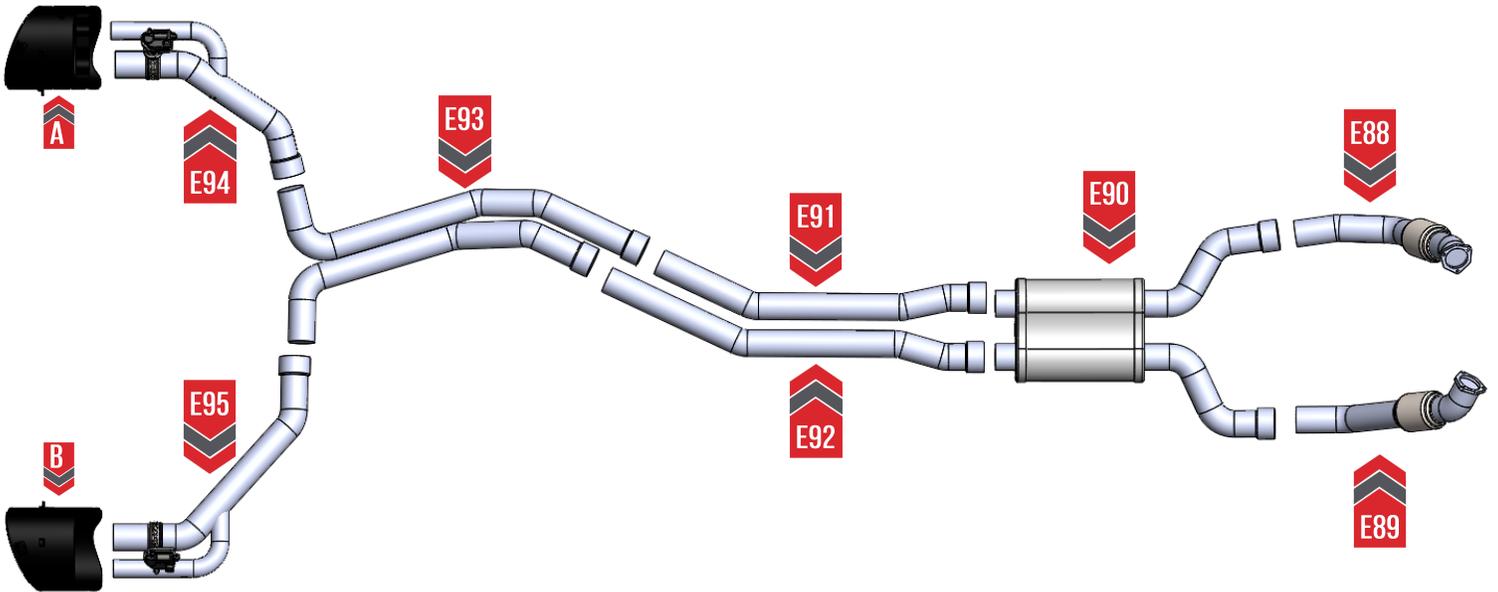
*For up to the minute fitment information, be sure to visit the AWE website. As always, AWE Performance Specialists are standing by for any questions, [right here](#).

PARTS LIST (SWITCHPATH 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
	E88	Audi C8 RS6/RS7 Downpipe Driver Side	1
	E89	Audi C8 RS6/RS7 Downpipe Passenger Side	1
	E90	Audi C8 RS6/RS7/A6/A7/S6/S7 Mid Section	1
	E91	Audi C8 RS6/RS7/A6/A7/S6/S7 Mid Tube Driver Side	1
	E92	Audi C8 RS6/RS7/A6/A7/S6/S7 Mid Tube Passenger Side	1
	E93	Audi C8 RS6/RS7 Axle Tube Assembly	1
	E94	Audi C8 RS6/RS7 Switchpath Rear Section Driver Side	1
	E95	Audi C8 RS6/RS7 Switchpath Rear Section Passenger Side	1
A >>	180024	RS Driver Side Oval Tip Diamond Black	1
B >>	180025	RS Passenger Side Oval Tip Diamond Black	1
C >>	110082	RS6_Tip_Bracket_DS 304 SS	1
D >>	110083	RS6_Tip_Bracket_PS 304 SS	1
E >>	180030	AWE 3.0" Band Clamp, Stainless	8
F >>	3910-41010	Tip Hardware Kit	2
G >>	1325-110292	Wiring Harness Extension for F90 M5	2
H >>	3910-11012	AWE 1/2" Split Collar Clamp Kit	1
I >>	7130K59	Medium cable tie	2





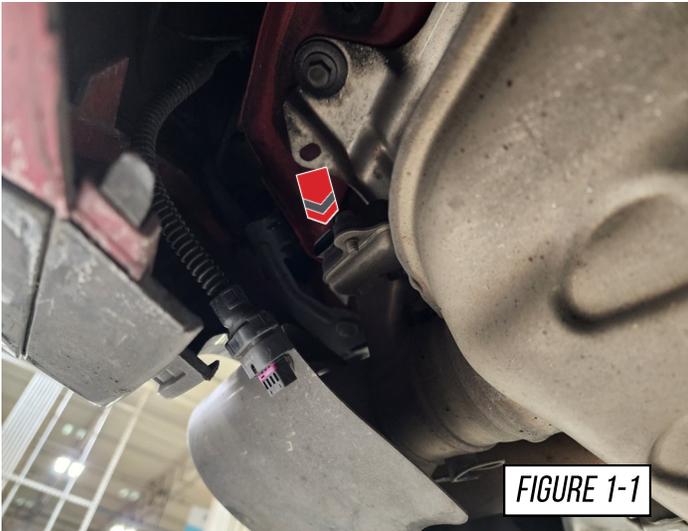
NOTE: Always refer to the manufacturer’s service manual for precise torque specifications on all OEM fasteners.



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.

STEP 1

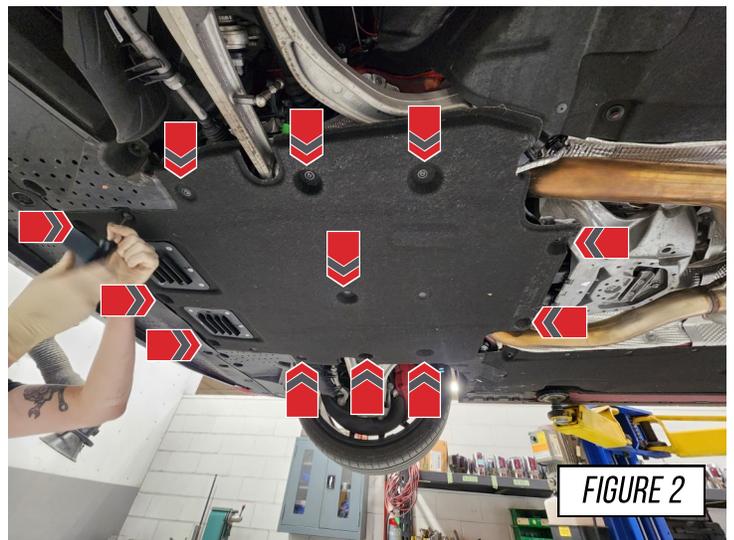
Begin by unplugging the 2 valve motors located just behind the tip on each side of the vehicle, as shown in **Figure 1-1**, and **Figure 1-2**.



STEP 2

Remove the front shield from the car, as shown in **Figure 2**.

Note: This will be reinstalled with all OE hardware

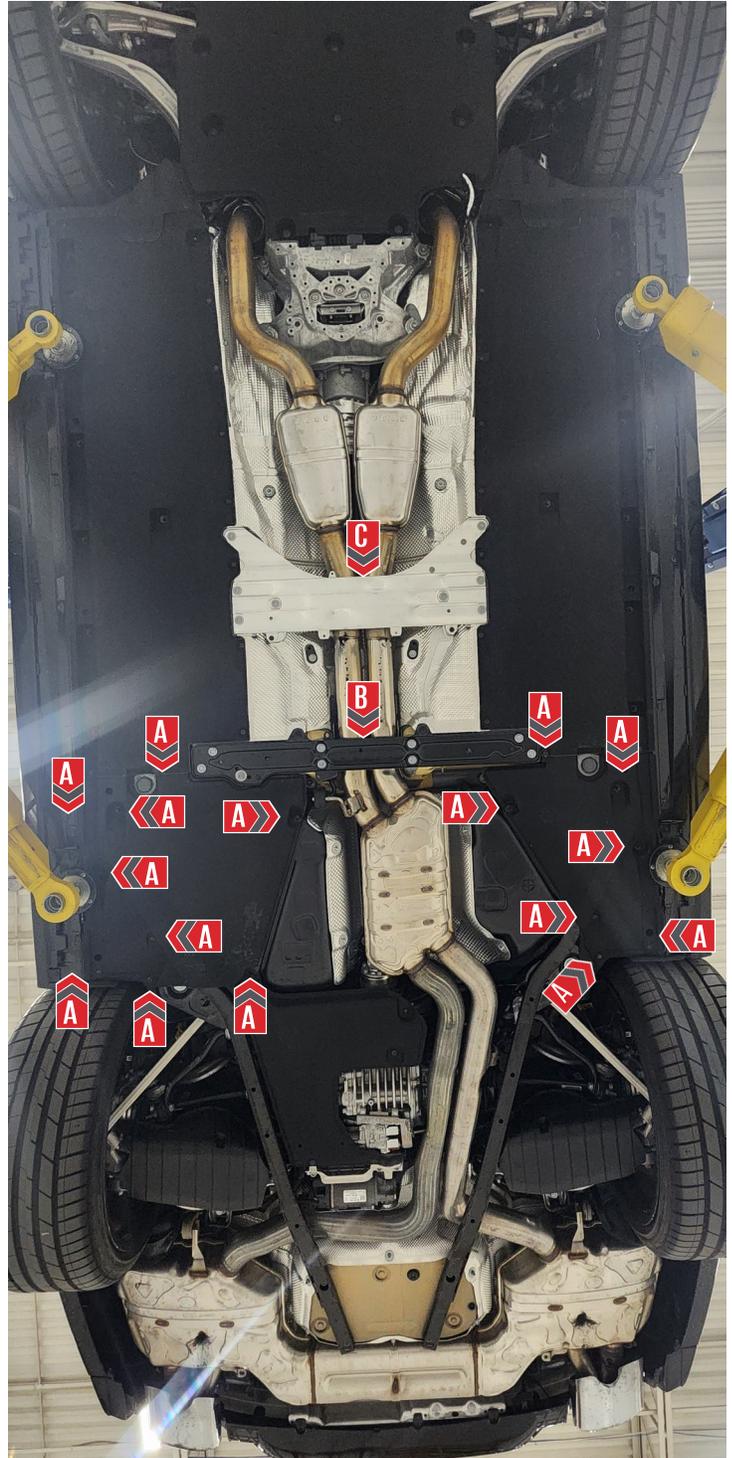


STEP 3

Continue removing the factory braces and covers by following the steps shown in **Figure 3**.

1. Uninstall the 2 OE covers by removing the hardware shown at **(A)**.
2. Uninstall the OE Rear brace and hanger by removing the OE hardware shown at **(B)**.
3. Uninstall the OE rear brace by removing the OE hardware shown at **(C)**.

Note: All braces and covers will be reinstalled with the OE hardware.



STEP 4

Now you will need to uninstall the OE rear chassis braces. This will require you to support the rear subframe of the vehicle.

Working one side at a time, use a pole jack to support the rear subframe of the vehicle (A) close to the driver side subframe bolt shown at (B) in **Figure 4-1**.

With the subframe bolt removed, remove the chassis brace, shown at (C) in **Figure 4-2**.

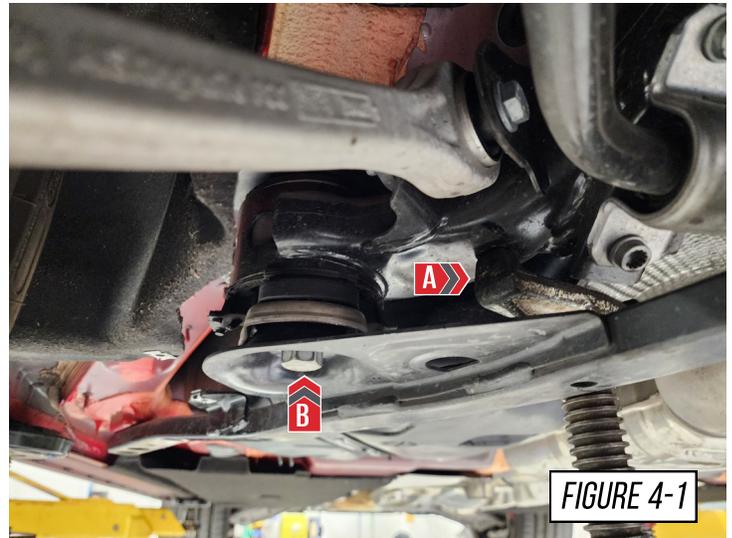
 **Do not move the pole jack until the subframe bolt has been reinstalled.**

With the chassis brace removed reinstall the subframe bolt, and remove the pole jack.

Repeat the previous steps for the passenger side of the vehicle. The pole jack location can be seen at (D) in **Figure 4-3**. It is important to note that the pole jack should not be touching the control arm but just the subframe.

 **Do not try to remove the subframe bolt without having a pole jack supporting the subframe.**

Note: The braces will be reinstalled with all of the OE hardware.



STEP 5

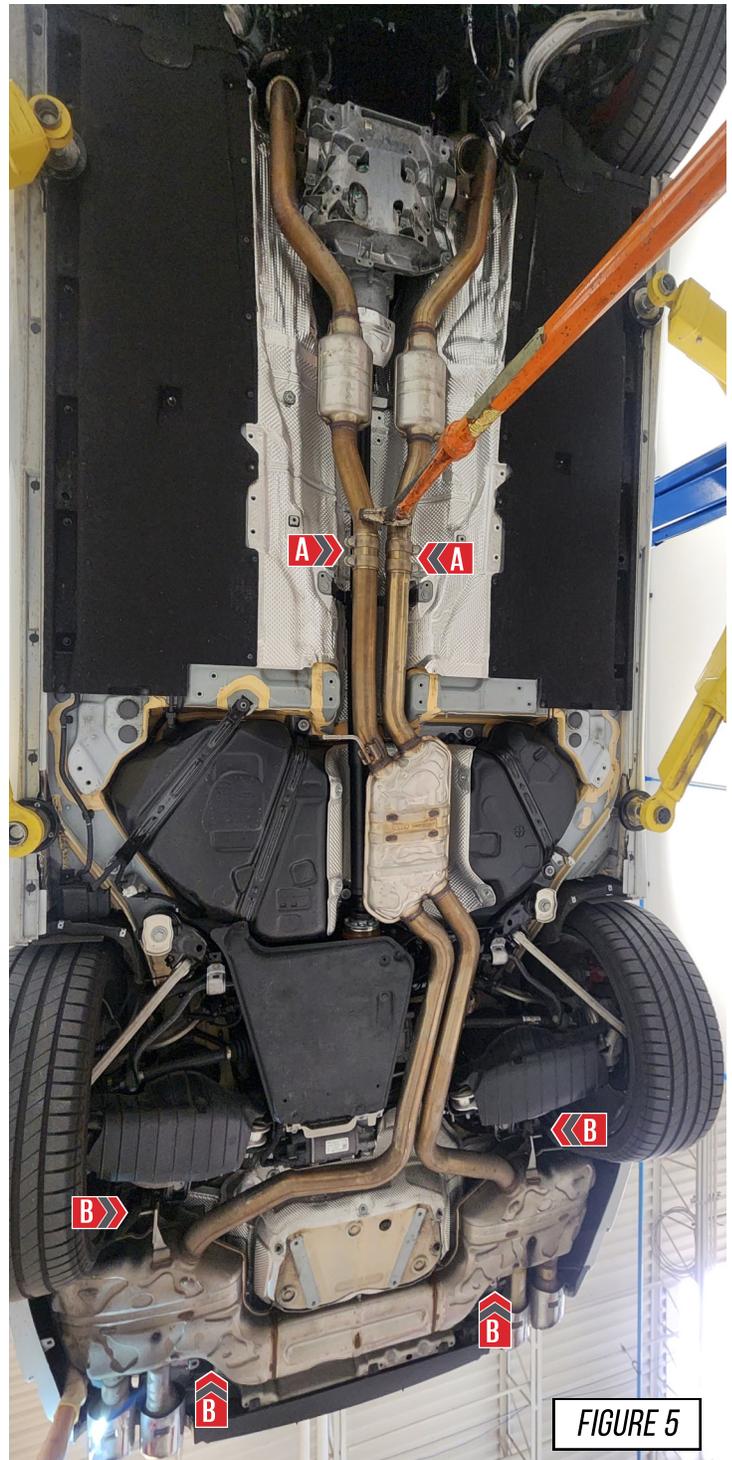
Continue by removing the OE dual exit exhaust by following the steps, shown in **Figure 5**.

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

 **Support the mid muffler with a pole jack to ease the removal of the OE exhaust system.**

1. Loosen the two OE clamps shown at **(A)**, and slide them away from the joint.
2. Disconnect the 4 OE rubber exhaust hangers from the chassis, shown at **(B)**.
Note: The exhaust will be free from the vehicle at this point
3. With help remove the exhaust from the vehicle.

Note: OE hangers will be reused.



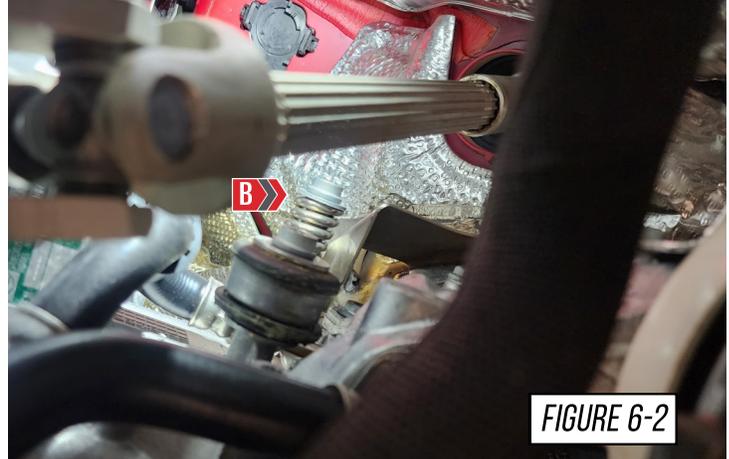
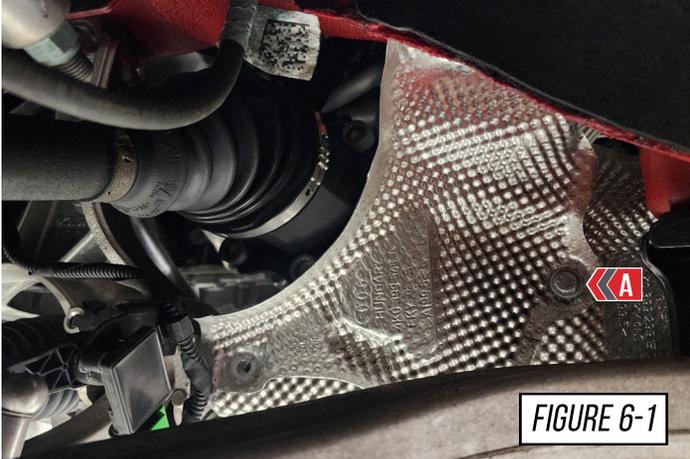
STEP 6



The OE downpipe uninstall will require extreme patience. A lot of the process will be based on feel as you will not be able to see all of the bolts.

Next on both the driver and passenger side there is a small heat shield located behind the front axle, that you will need to remove for access to the downpipe hardware, shown at **(A)** in **Figure 6-1**.

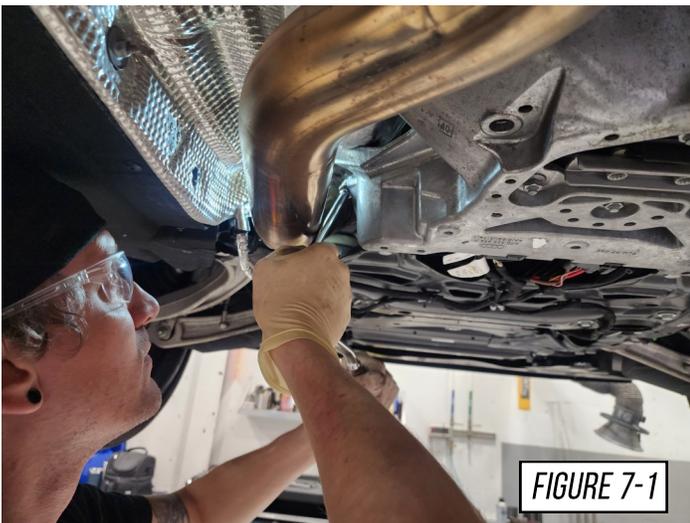
Next remove the spring bolts **(B)** from the downpipe support brackets on both downpipes, as shown in **Figure 6-2**.



STEP 7

Next remove the driver side OE flange hardware securing the downpipe. The bolts can be accessed from the bottom side of the vehicle as shown in **Figure 7-1**.

With the OE hardware removed pull the OE downpipe straight back off of the studs, and rotate the downpipe to remove it, as shown in **Figure 7-2**.



STEP 8

Next remove the passenger side OE flange hardware securing the downpipe in place. The bolts can be accessed from the bottom, as shown in **Figure 8-1**.

With the OE hardware removed pull the OE downpipe straight back off of the studs, and rotate the downpipe to remove it, as shown in **Figure 8-2**.



STEP 9

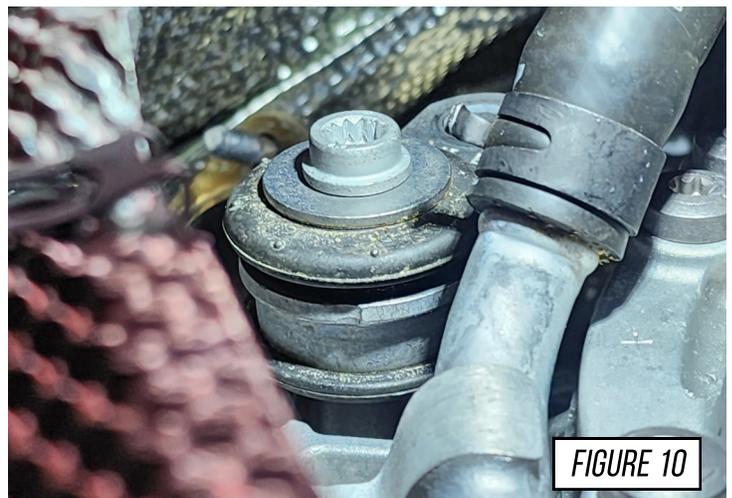
Reinstall the OE downpipe gaskets on both driver and passenger side catalytic converter sections, as shown in **Figure 9**.



STEP 10

Remove the downpipe support brackets, as shown in **Figure 10** from both the driver and passenger side.

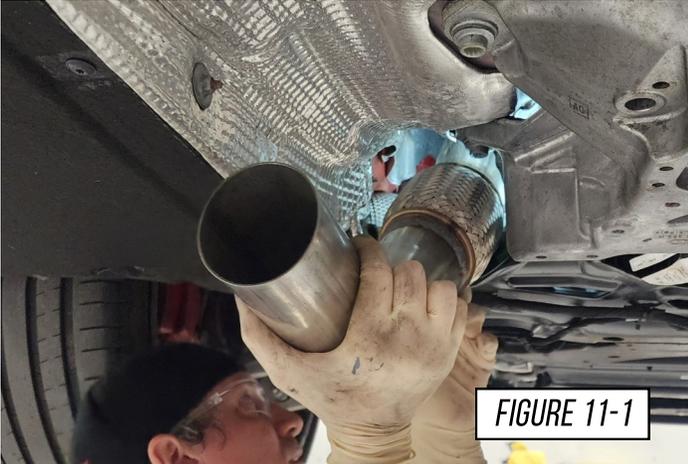
Note: The hangers will NOT be reused with your AWE exhaust system.



STEP 11

Install your AWE driver side downpipe (E88), as shown in **Figure 11-1**.

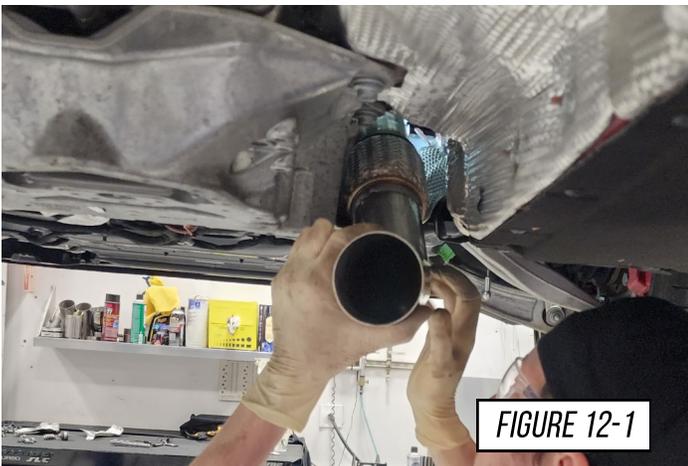
With the studs aligned on your AWE downpipe fully tighten the OE hardware fully, as shown in **Figure 11-2**.



STEP 12

Install your AWE passenger side downpipe (E89), as shown in **Figure 12-1**.

With the studs aligned on your AWE downpipe fully tighten the OE hardware fully, as shown in **Figure 12-2**.

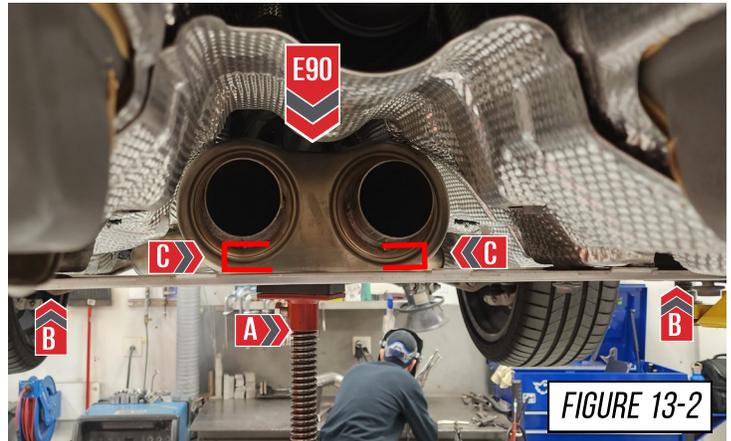


STEP 13

Install your AWE mid section (**E90**) with the flat side of the can facing down, as shown below in **Figure 13-1**. Bottom out the two slip fits of the mid section onto the downpipe legs (**E88**), and (**E89**). Snug the clamps, but do not fully tighten at this time.

Use a pole jack to support the AWE mid section (**E90**) as shown in **(A)** **Figure 13-2**. After the mid section is supported reinstall the OE chassis brace shown at **(B)** in **Figure 13-2**.

With the chassis brace installed, adjust the height of the AWE mid section (**E90**) to ensure that there is proper clearance (**C**) from the brace and the dual 3" tubes. This will help the rest of the installation to go smoothly.



STEP 14

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.

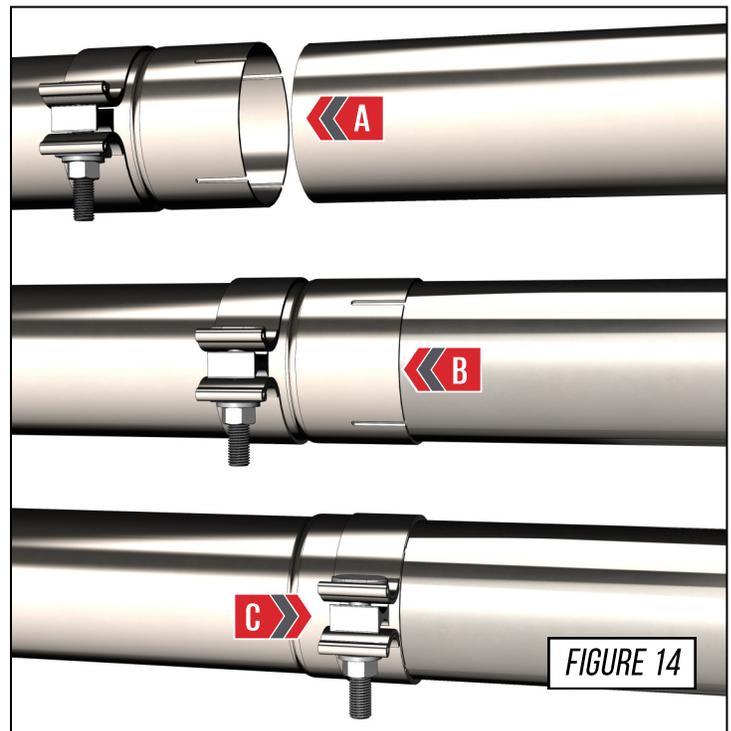
Arrow B shows the overlapping pipe installed correctly over the corresponding pipe.

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



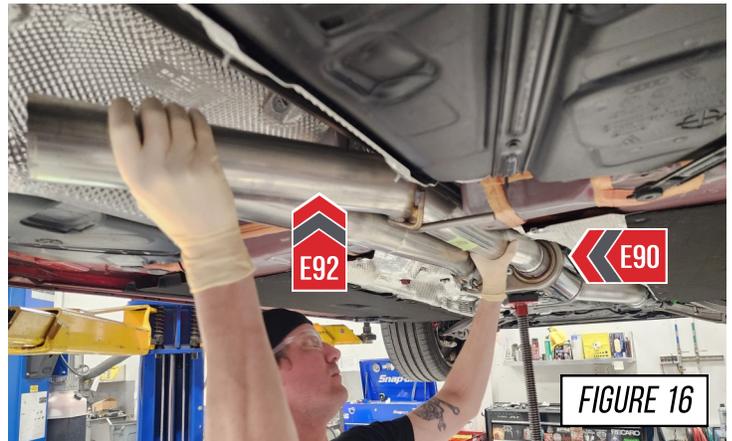
STEP 15

Install your AWE driver side mid tube (**E91**), bottom out the mid tube on the driver side outlet of the AWE mid section (**E90**). Rotate the mid tube to have the outlet side sitting in the middle of the exhaust tunnel, as shown in **Figure 15**. Snug the clamp, but do not fully tighten at this time.



STEP 16

Install your AWE passenger side mid tube (**E92**), bottom out the mid tube on the passenger side outlet of the AWE mid section (**E90**). Rotate the mid tube to have the hanger parallel to the ground as shown in **Figure 16**. Snug the clamp, but do not fully tighten at this time.



STEP 17

When installing your AWE mid tubes you will want to orient your clamps as shown in **Figure 17**. This will allow for easier access and adjustments once the chassis braces are reinstalled.



STEP 18

Install your AWE axle tube assembly (**E98**) with the provided clamps over the expanded side of each tube, as shown in **Figure 18**.

Then align and bottom out the slip fits on each of the mid tubes (**E91,E92**).

Snug the clamps, but do not fully tighten at this time.

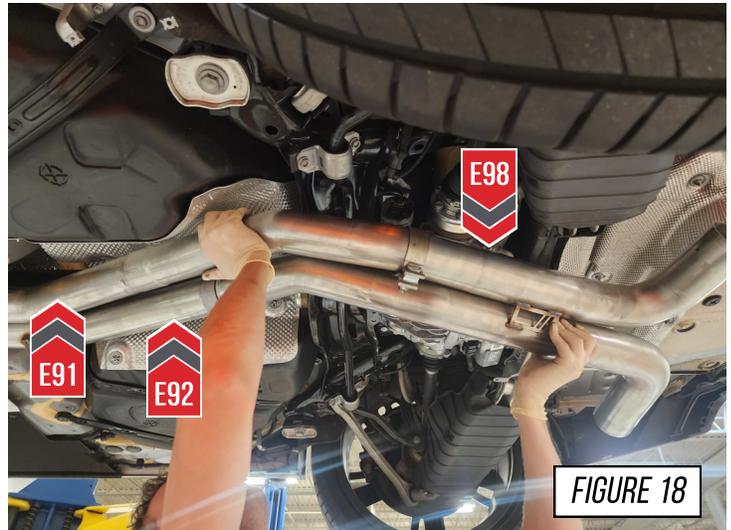


FIGURE 18

STEP 19

Re-install the OE hanger onto the hanger bar on the passenger side mid tube (**E92**), as shown at (**A**) in **Figure 19-1**.

Now reinstall the OE chassis brace shown at (**B**) in **Figure 19-2**.

Note: All hardware will be the OE hardware that was removed earlier.



FIGURE 19-1

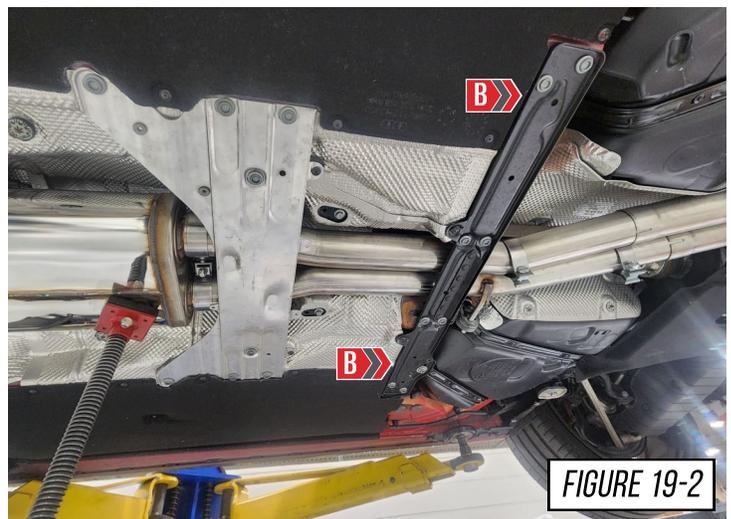


FIGURE 19-2

STEP 20

Now you will need to reinstall the OE rear chassis braces. This will require you to support the rear subframe of the vehicle.

Working one side at a time, use a pole jack to support the passenger side rear subframe of the car. Place the pole jack behind the sway bar as shown in **Figure 20-1**.

Remove the subframe bolt shown at (A) in **Figure 20-1**.



DO NOT REMOVE THE SUBFRAME BOLT WITHOUT A POLE JACK SUPPORTING THE SUBFRAME.

Reinstall the passenger side chassis brace as shown in **Figure 20-2**. After all hardware is reinstalled you can remove the pole jack.

Repeat these steps for the driver side chassis brace.

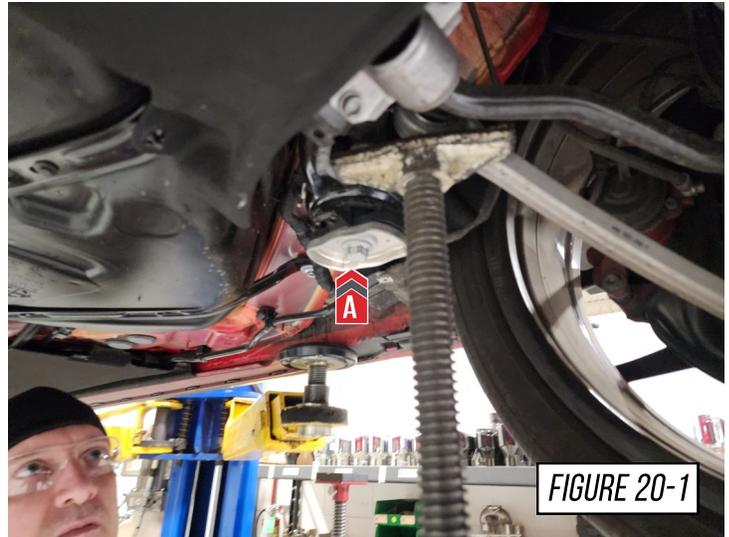


FIGURE 20-1

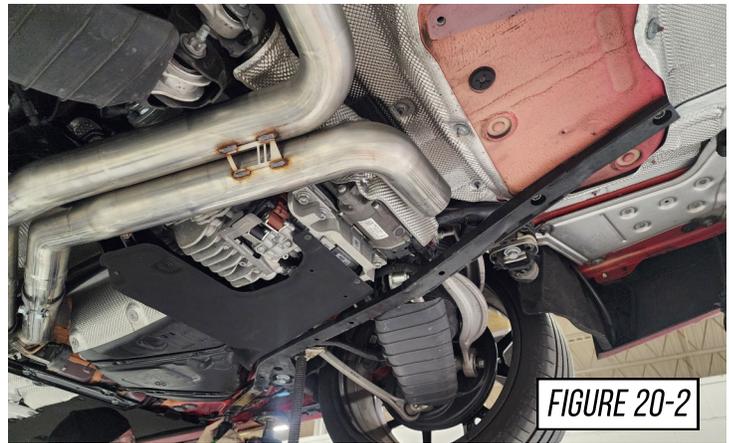


FIGURE 20-2

STEP 21

Install your AWE wiring harness extensions on the driver (A) and passenger (B) sides, as shown in **Figure 21-1** and **Figure 21-2**.

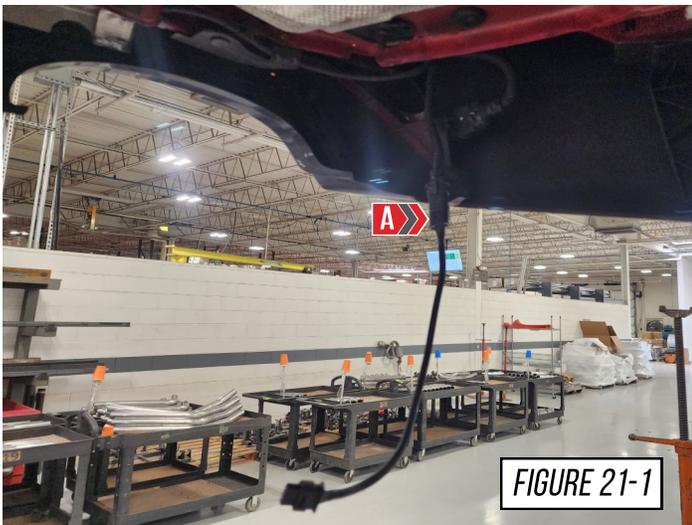


FIGURE 21-1



FIGURE 21-2

STEP 22

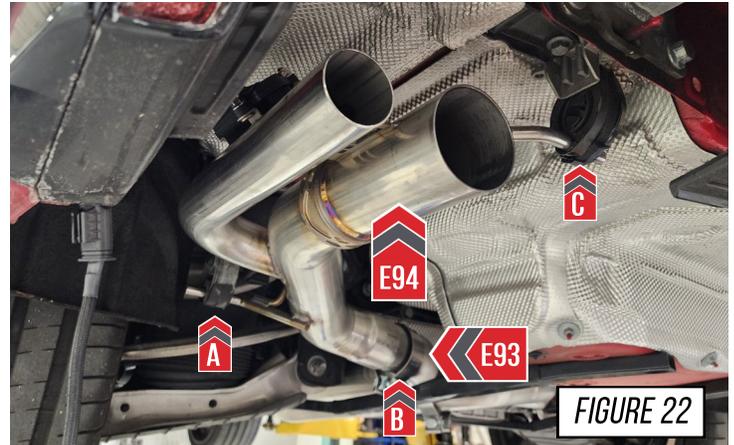
Install your AWE driver side switchpath section (**E94**), by first sliding a provided clamp over the expanded joint.

Next slide the hanger bar into the forward most hanger, as shown at **(A)** in **Figure 22**.

Then bottom out the slip fit on to your AWE axle tube assembly (**E93**), as shown at **(B)** in **Figure 22**.

Lastly slide the hanger bar into the rear most hanger, as shown at **(C)** in **Figure 22**.

Snug the clamp, but do not fully tighten it at this time.



STEP 23

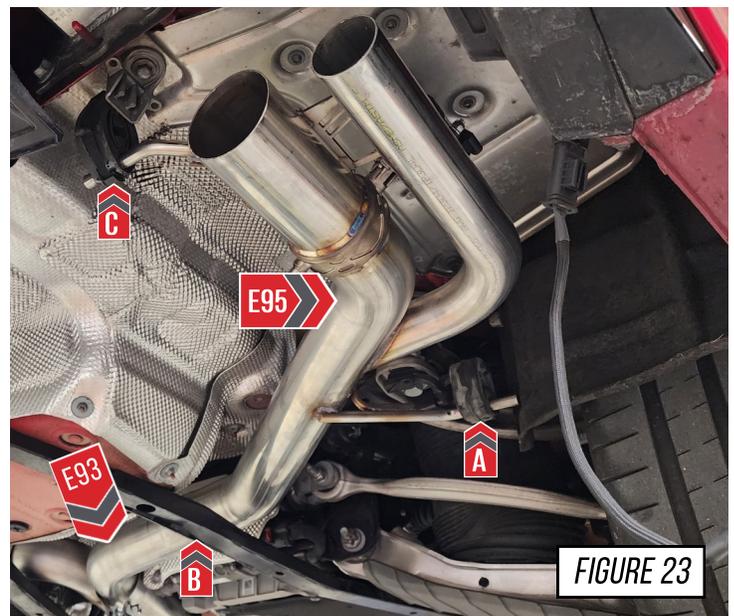
Install your AWE driver side switchpath section (**E95**), by first sliding a provided clamp over the expanded joint.

Next slide the hanger bar into the forward most hanger, as shown at **(A)** in **Figure 23**.

Then bottom out the slip fit on your AWE axle tube assembly (**E93**), as shown at **(B)** in **Figure 23**.

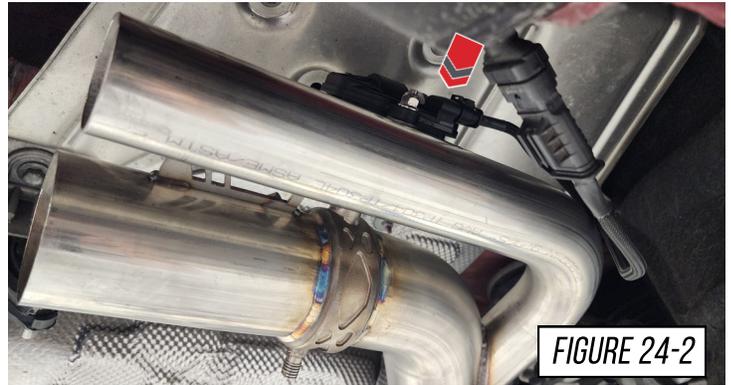
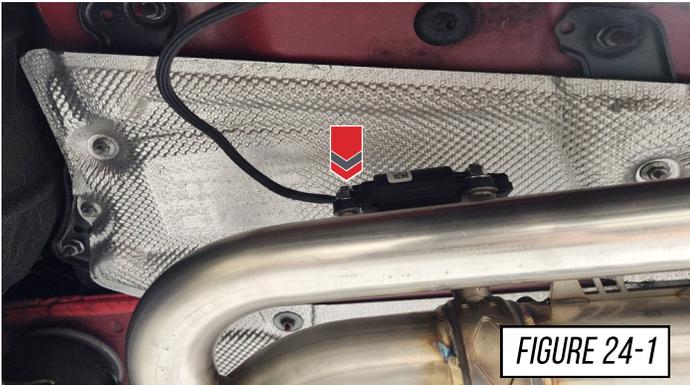
Lastly slide the hanger bar into the rear most hanger, as shown at **(C)** in **Figure 23**.

Snug the clamp but do not fully tighten it at this time.



STEP 24

Plug in your valve motors on both driver and passenger sides, as shown in **Figure 24-1** and **Figure 24-2**.

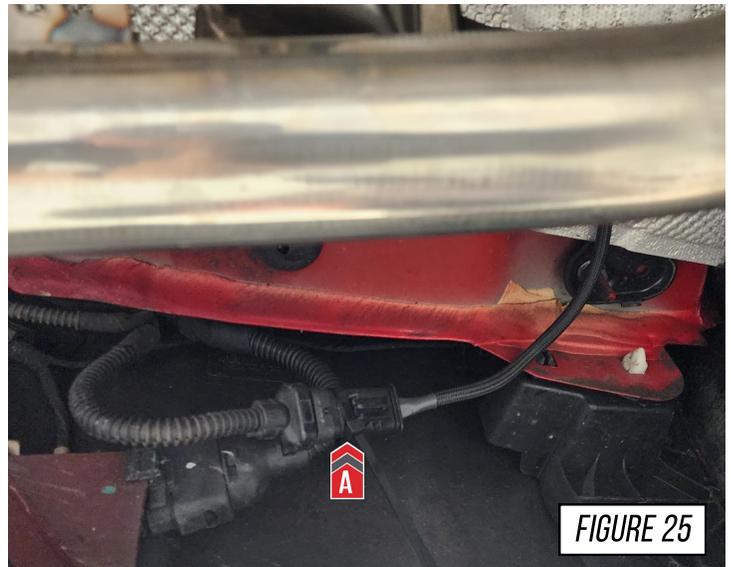


STEP 25

Using a provided cable tie secure the excess slack from your wiring harness out of the way of the outlet tubes, as shown a **(A)** in **Figure 25**.

Repeat this process for the other side of the vehicle.

Note: Keep the wires away from the exhaust tubes.



STEP 26

The driver and passenger side tips both require the bracket to be installed with the provided hardware first.

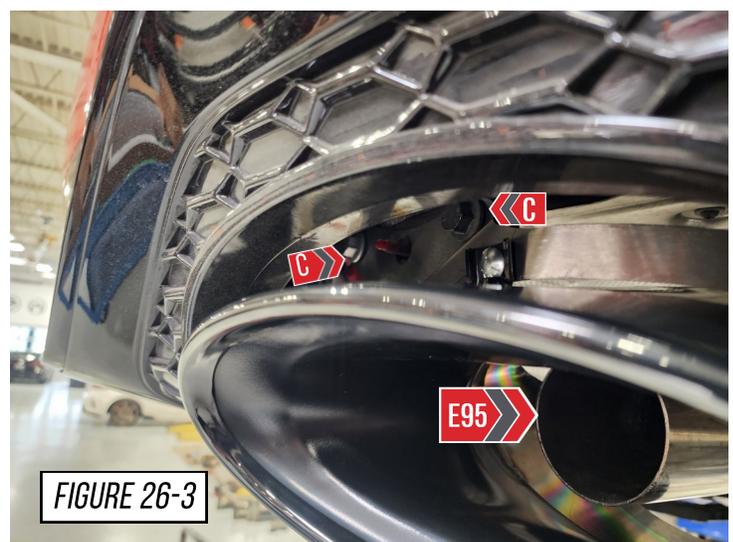
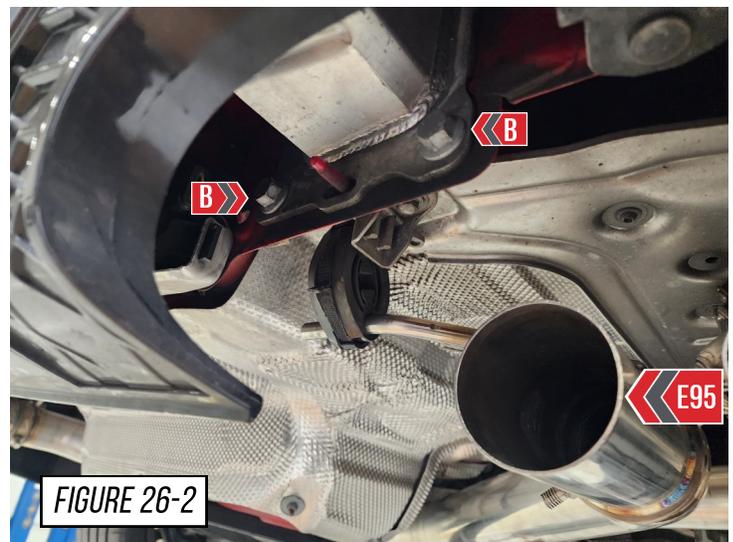
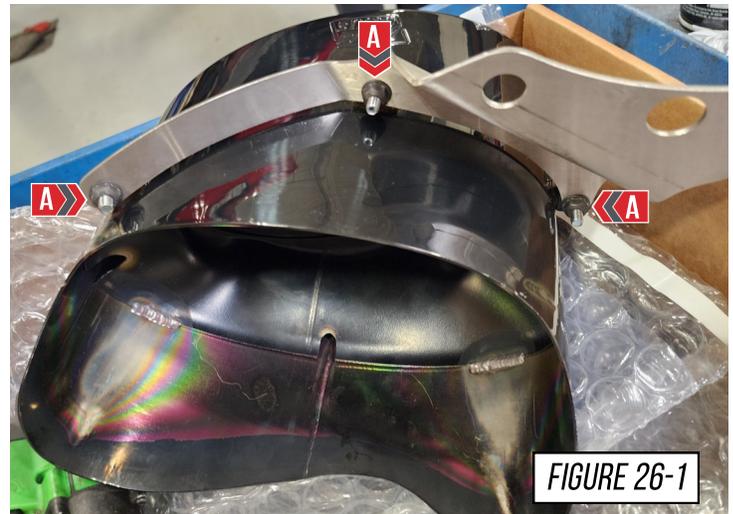
Install your AWE tip bracket onto your AWE tip using the provided hardware, as shown at (A) in **Figure 26-1**.

Remove the 2 OE bolts from the crash bar, as shown at (B) on **Figure 26-2**.

Align the 2 outer bracket holes over the crash bar bolt holes, shown at (C) and reinstall the crash bar bolts, as shown in **Figure 26-3**.

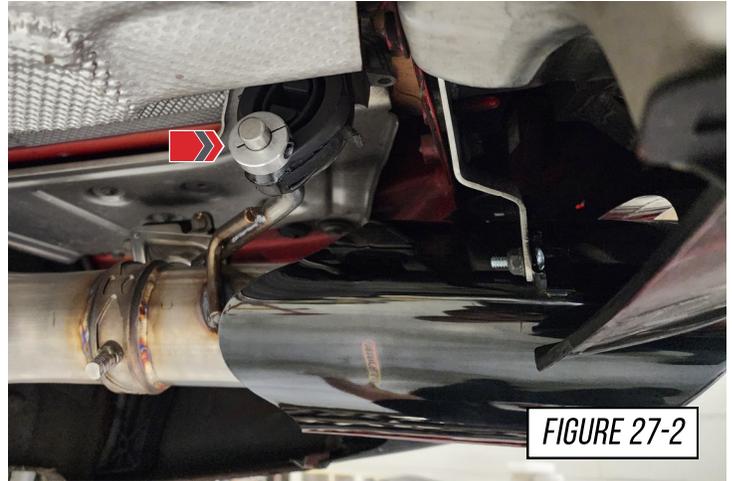
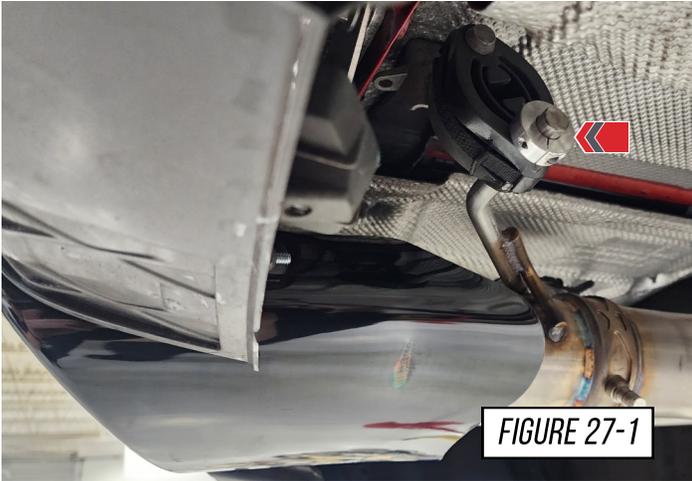
Move the tip into the desired position, once in the desired position securely hold the tip in place and fully tighten the crash bar bolts.

Repeat these installation steps the other side.



STEP 27

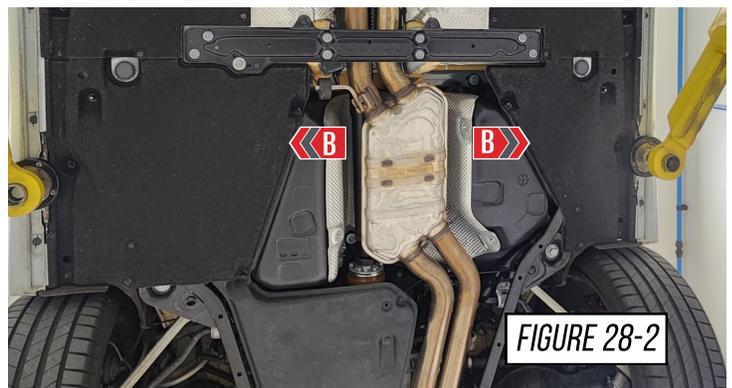
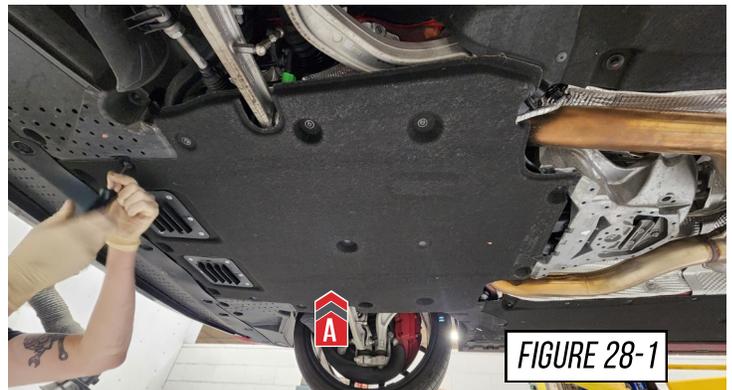
Install the provided lock collars on the rear most hangers of the vehicle. Slide the lock collar onto the hanger bar, so approximately half an inch of hanger bar is poking through the lock collar, shown in **Figure 27-1** and **Figure 27-2**. Fully tighten down the lock collars at this time.



STEP 28

Using the OE hardware, reinstall the front shield, shown at (A) in **Figure 28-1**.

Next use the OE hardware to reinstall both side shields, shown at (B) in **Figure 28-2**.



STEP 29

With the tips in the correct position, you will now make the final adjustments to the exhaust.

Work from the front of the car to the back, tightening all the clamps fully, and ensuring there is proper clearance of the chassis, and braces.

With all clamps fully tightened 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 time to cool before work continues.

Check over the entire exhaust for proper fitment, and clearances.



Don't forget to see the last page for any trouble shooting 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 **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
CONTACT FORM

WARRANTY

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