



## **INSTALLATION GUIDE: AWE TOURING EXHAUST FOR THE C8 AUDI A6/A7**

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:**

3015-31003 AWE Touring Edition Exhaust for Audi C8 A6/A7

Welcome to the AWE family, and congratulations on your purchase of the AWE Exhaust System for the C8 Audi A6/A7.

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

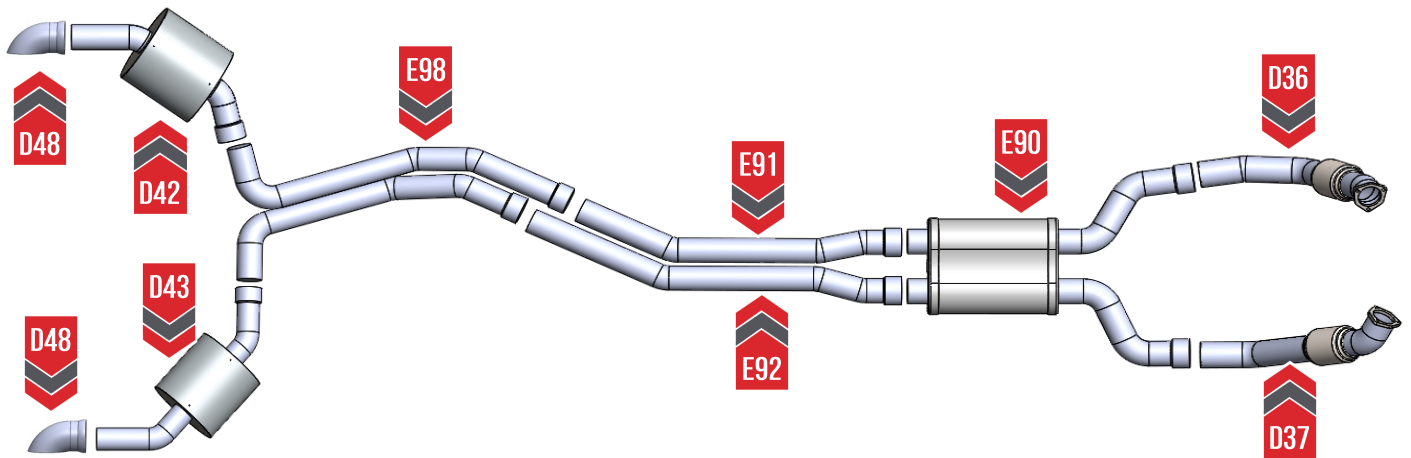
\*For up to the minute fitment information, be sure to visit the AWE website. As always, AWE Performance Specialists are standing by for any questions, [right here](#).

# PARTS LIST (TOURING SYSTEMS)



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

180015Symbol	Part Number	Description	QTY
	D36	A6/A7/S6/S7 DS Flex Section	1
	D37	A6/A7/S6/S7 PS Flex Section	1
	E90	Audi C8 RS6 Avant/RS7/A6/A7/S6/S7 Mid Section	1
	E91	Audi C8 RS6 Avant/RS7/A6/A7/S6/S7 Mid Tube Driver	1
	E92	Audi C8 RS6 Avant/RS7/A6/A7/S6/S7 Mid Tube Passenger	1
	E98	Audi C8 A6/A7/S6/S7 Axle Tube Assembly	1
	D42	A6/A7/S6/S7 DS Touring Rear Section	1
	D43	A6/A7/S6/S7 PS Touring Rear Section	1
	D48	A6/A7 Turndown Tip	2
<b>A</b> >>>	180300	AWE Band Clamp: 3"	8
<b>B</b> >>>	3910-41010	Hardware Kit for Integrated Clamp Style Exhaust Tips - Quad	1
<b>C</b> >>>	SEC75	3" Barrel Clamp (Bubble)	2
<b>D</b> >>>	3910-11012	CLAMP-KIT	1
<b>E</b> >>>	3910-11020	Downpipe Hardware Kit - Requires 1 Kit per Flange	2
<b>F</b> >>>	GA-6669	Electronic Valve Simulator	2





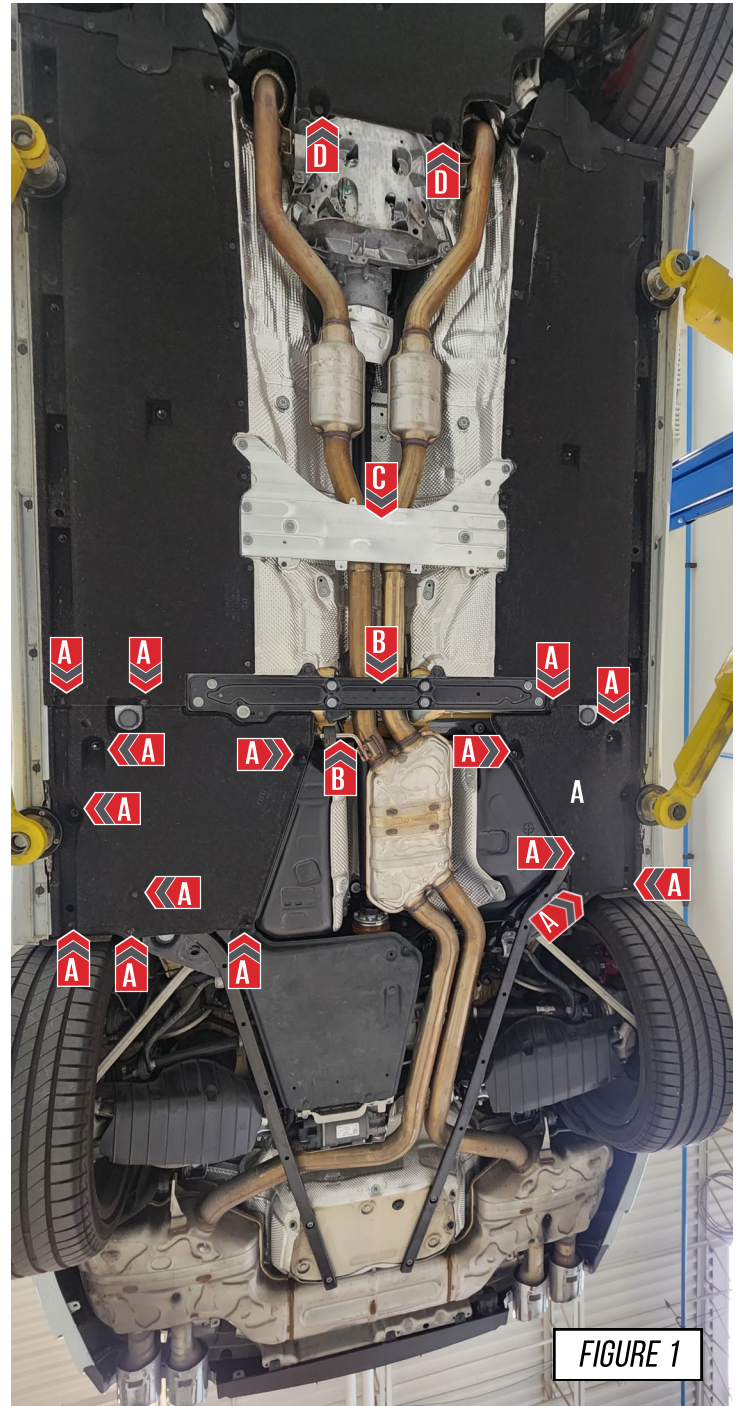
**NOTE:** Always refer to the manufacturer's service manual for precise torque specifications on all OEM fasteners.



**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.

To begin your AWE system install you will start by removing the factory covers, and braces.

1. Remove the fasteners that hold in the covers shown at **(A)** in **Figure 1**. Then remove the covers.
2. Remove the 5 OE bolts from the chassis brace, and hanger shown at **(B)**. Then remove the brace, and hanger.
3. Remove the 8 OE bolts from the chassis brace shown at **(C)**. Then remove the brace.
4. Remove the 2 fasteners shown at **(D)** allowing the cover to hang from the front fasteners.




**FIGURE 1**

## STEP 2

Using a pole jack, support the rear subframe of the vehicle close to the subframe bolt shown at (A) in **Figure 2-1**.

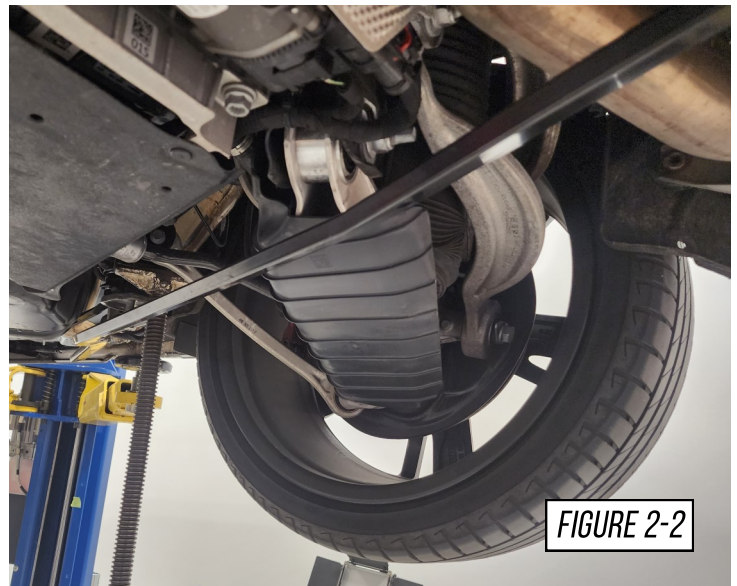
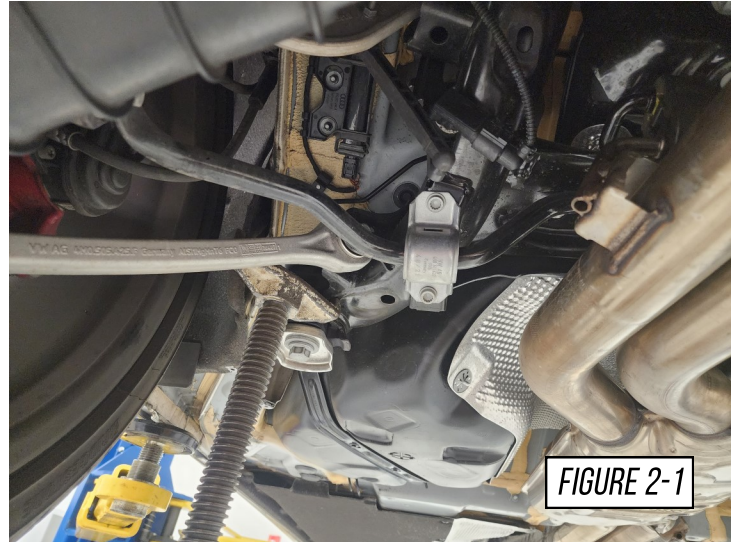
With the subframe bolt removed, remove the chassis brace, shown at (B) in **Figure 2-2**.

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

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

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


**Note: The braces will be reinstalled at the end of the installation**






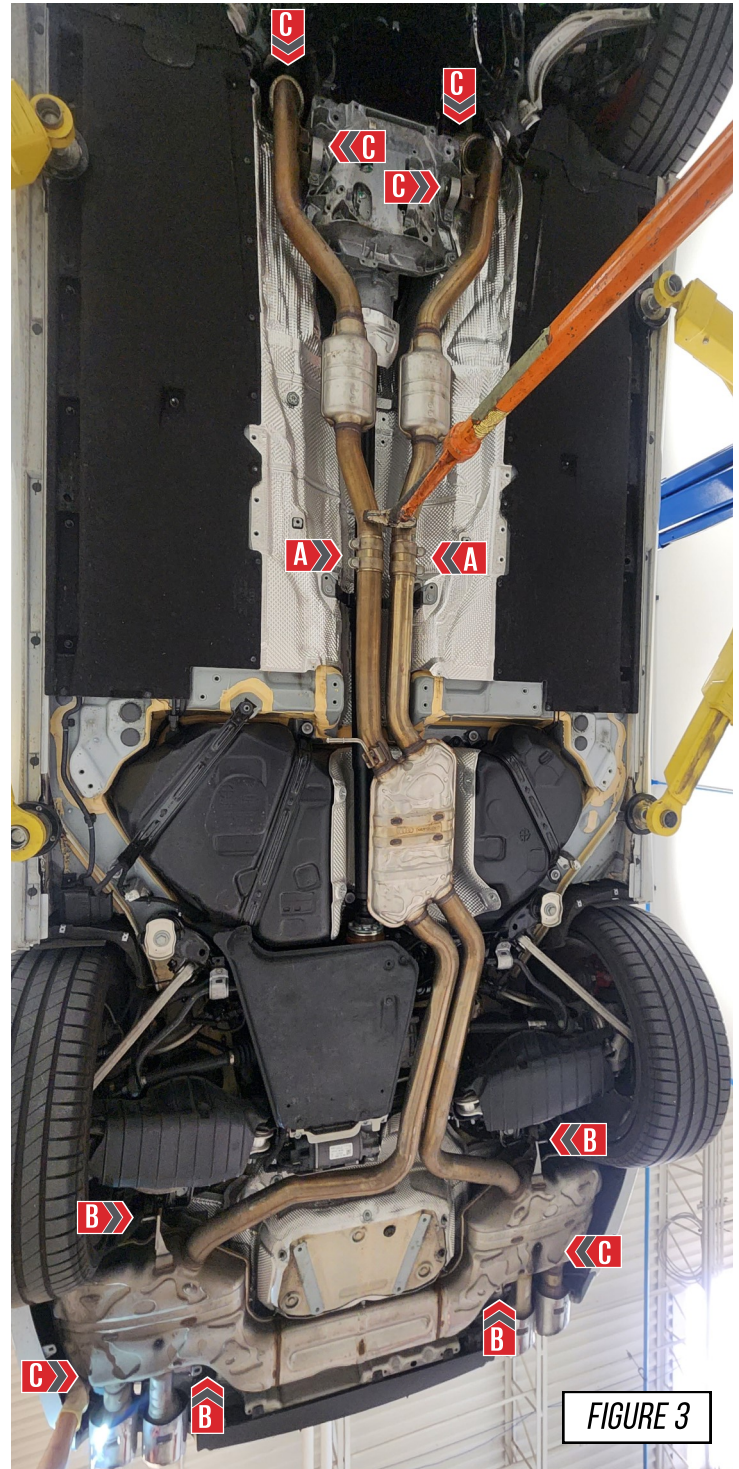
## STEP 3

Continue by removing the OE dual exit exhaust by following the steps, shown in **Figure 2**.

 **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.**

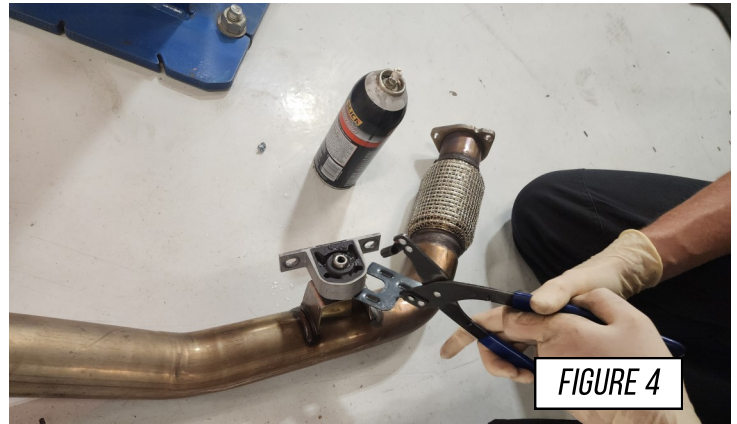
1. Loosen the two clamps shown at **(A)**, and move them away from the joint
2. Remove the hanger bars from the OE rubber hangers shown at **(B)**.
3. Remove the rear section of the exhaust system.
4. Remove the OE downpipe hardware, and hangers shown at **(C)**. There will be 3 nuts per side that need to be removed with the hardware removed you can now remove the downpipes.



**FIGURE 3**

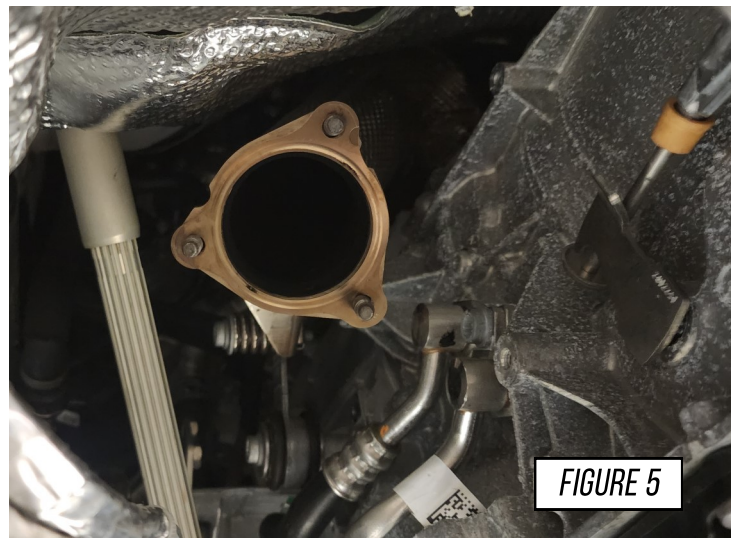
## STEP 4

Remove the OE hangers from both OE downpipes, as shown in **Figure 4**.



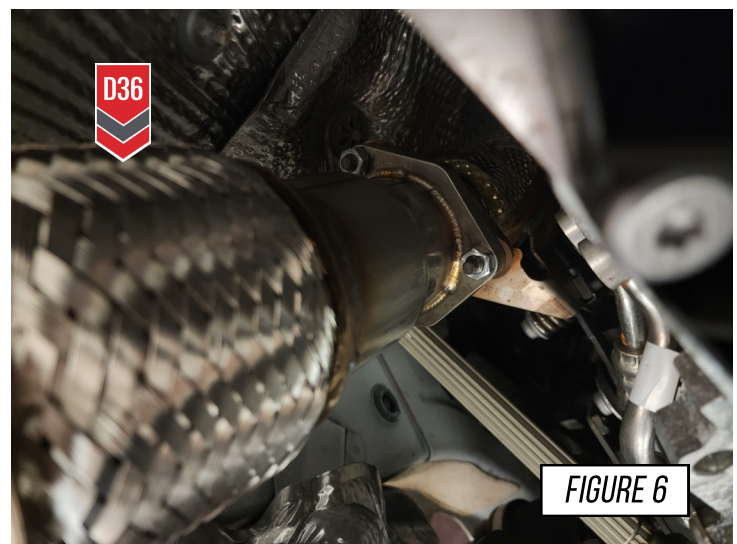
## STEP 5

Begin installing your AWE driver side flex section (**D36**). Do this by first re-installing the OE downpipe gasket as shown in **Figure 5**.



## STEP 6

Next loosely secure your AWE driver side flex section (**D36**) at the flange with the provided hardware, as shown in **Figure 6**.



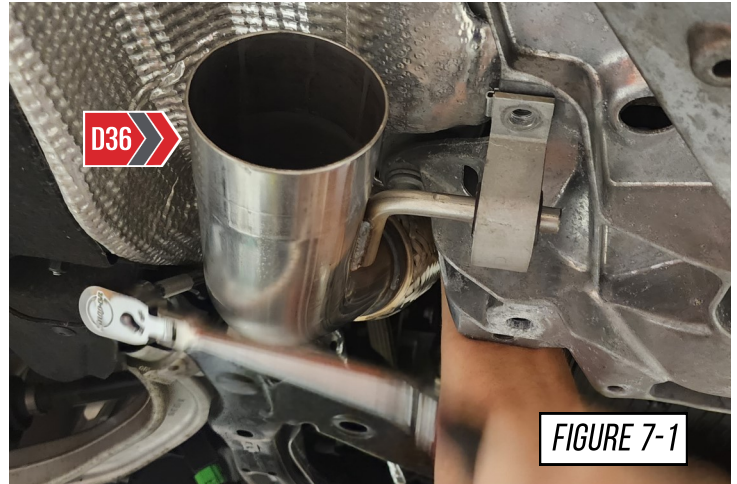


## STEP 7

Slide the OE hanger onto the hanger bar as shown in **Figure 7-1**. Make sure the hanger lines up with the bolt holes.

Now evenly tighten down all three nuts on the studs.

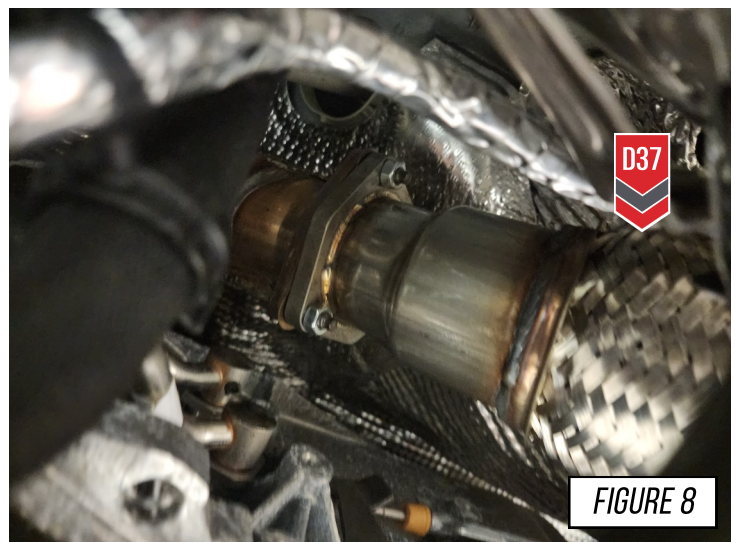
After tightening the flange hardware fully make sure to reinstall the OE hardware on the hanger, as shown in **Figure 7-2**.



## STEP 8

Next start installing your AWE passenger side flex section (**D37**) at the flange with the provided hardware, as shown in **Figure 8**.

**Note:** Do not fully tighten the hardware at this point.

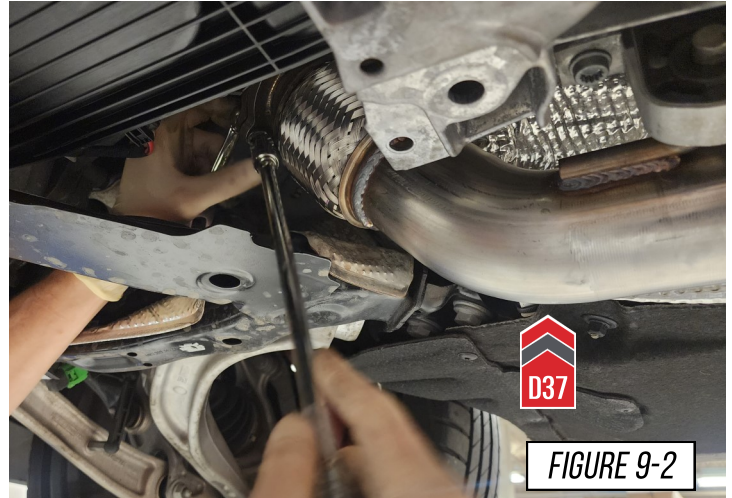
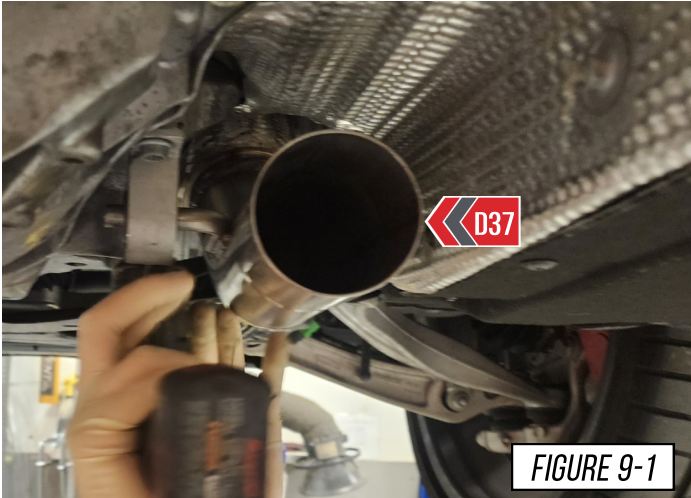


## STEP 9

Slide the OE hanger onto the hanger bar as shown in **Figure 9-1**. Make sure the hanger lines up with the bolt holes.

Now evenly tighten down all three nuts on the studs.

After tightening the flange hardware fully make sure to reinstall the OE hardware on the hanger, as shown in **Figure 9-2**.



## STEP 10

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.

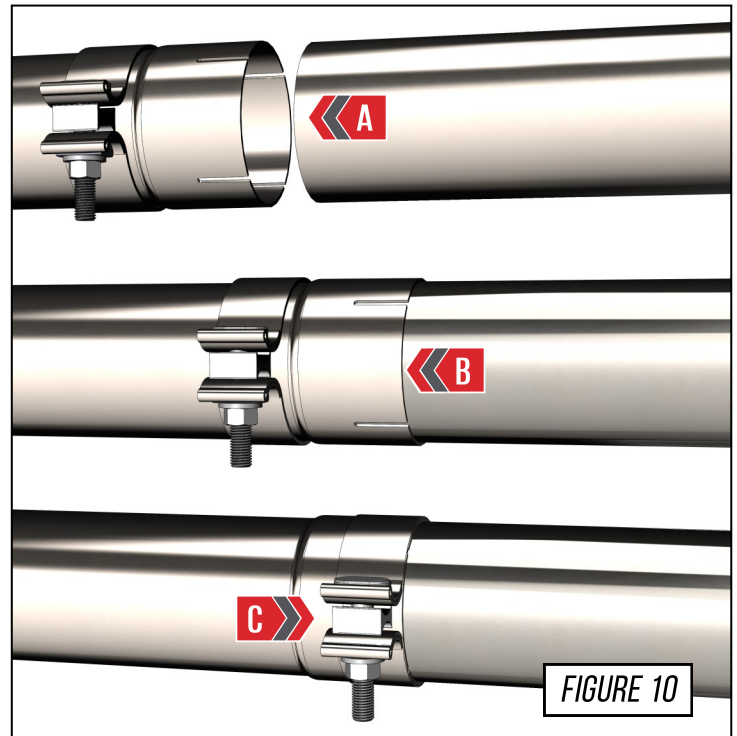
**Arrow B** shows the overlapping pipe installed correctly over the corresponding pipe.

**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 11

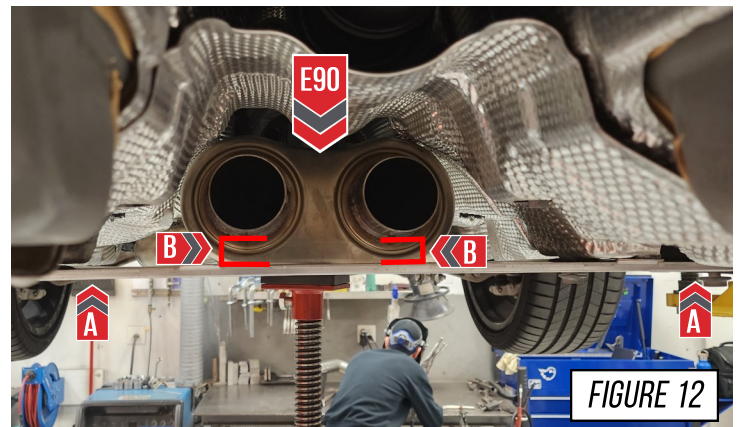
Gather your AWE mid section (**E90**) and two clamps, slide a clamp over each inlet section. Line up the inlets with the outlets of the flex sections (**D36**, **D37**). Slide the mid section onto the outlets and bottom out the slip fits. It is best to do this by pushing from the rear of the mid section, as shown in **Figure 11**.



## STEP 12

Use a pole jack to support the AWE mid section (**E90**) as shown in **Figure 12**. After the mid section is supported reinstall the OE chassis brace shown at (**A**) in **Figure 12**.

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



## STEP 13

Install your AWE passenger side mid tube (**E92**), as shown in **Figure 13**. Slide a provided clamp over the expanded side. Bottom out the slip fit onto the AWE mid section (**E90**).

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

**Note:** The hanger bar will not be secured into a hanger at this time.

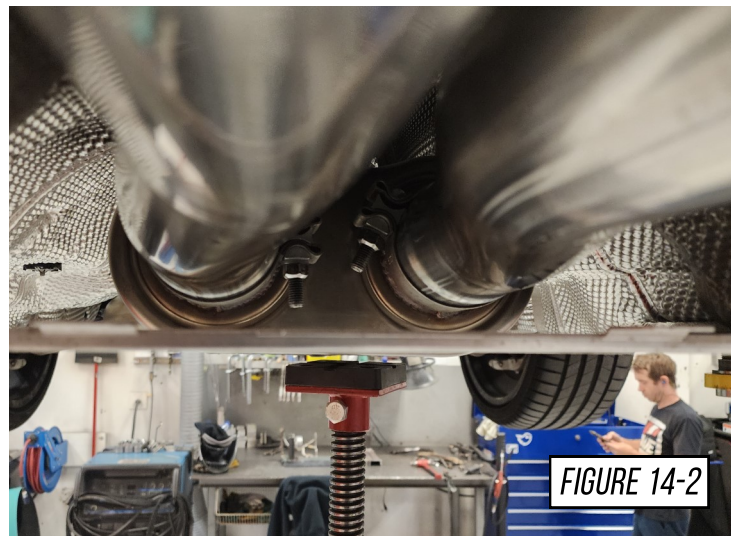


## STEP 14

Install your AWE driver side mid tube (**E91**), as shown in **Figure 14-1**. Slide a provided clamp over the expanded side. Bottom out the slip fit onto the AWE mid section (**E90**).

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

**Note:** The proper clearance from the chassis brace that was re-installed in step 12 can be seen here in **Figure 14-2**.





## STEP 15

Install your AWE axle tube assembly (**E98**), as shown in **Figure 15**. Slide a provided clamp over the expanded side of each tube. 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

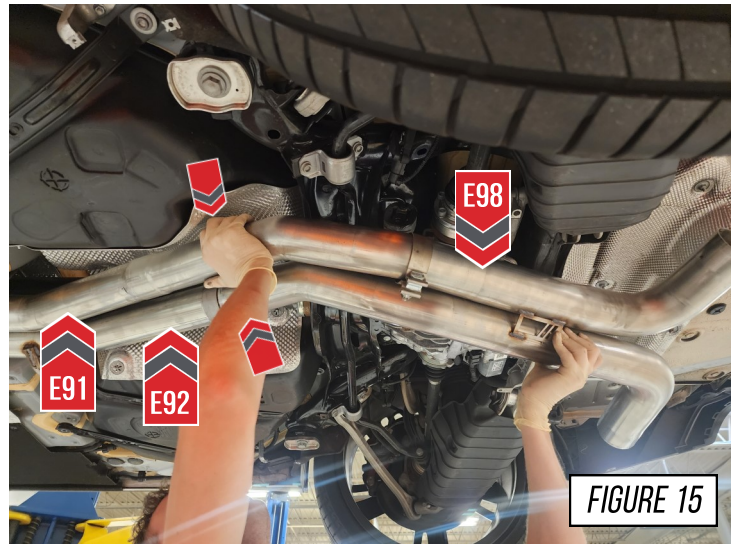


FIGURE 15

## STEP 16

Re-install the OE hanger onto the hanger bar on the passenger side mid tube (**E92**), as shown at **(A)** in **Figure 16-1**.

Now reinstall the OE chassis brace shown at **(B)** in **Figure 16-2**.

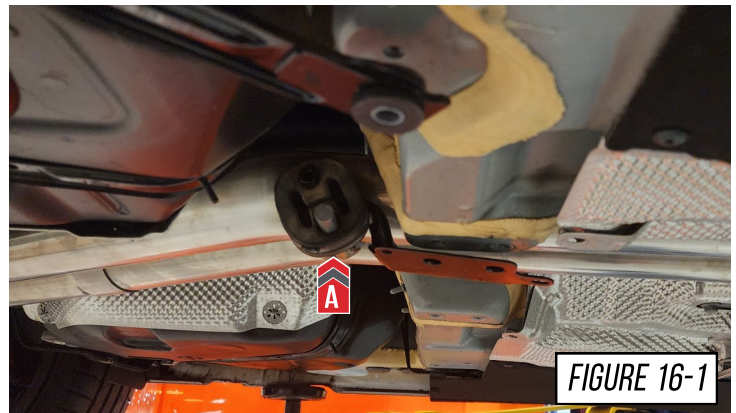


FIGURE 16-1

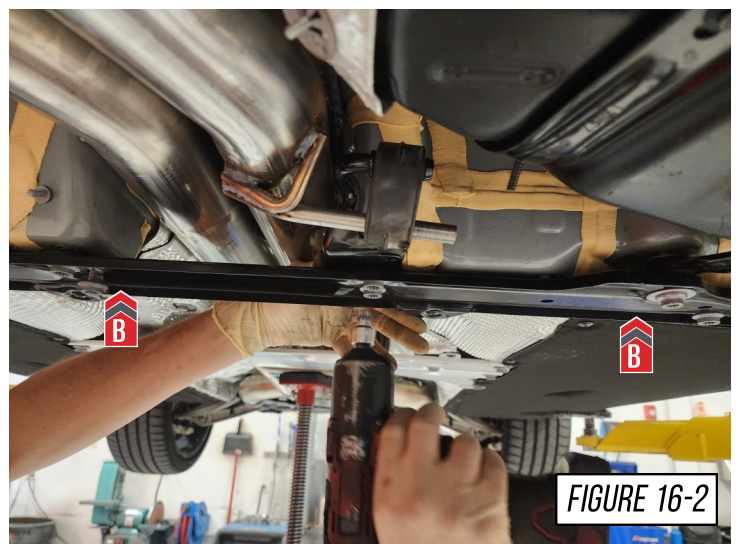


FIGURE 16-2

## STEP 17

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 17-1**.

Remove the subframe bolt shown at **(A)** in **Figure 17-1**.



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

Reinstall the passenger side chassis brace as shown in **Figure 17-2**. After all hardware is reinstalled you can remove the pole jack.

Repeat these steps for the driver side chassis brace.

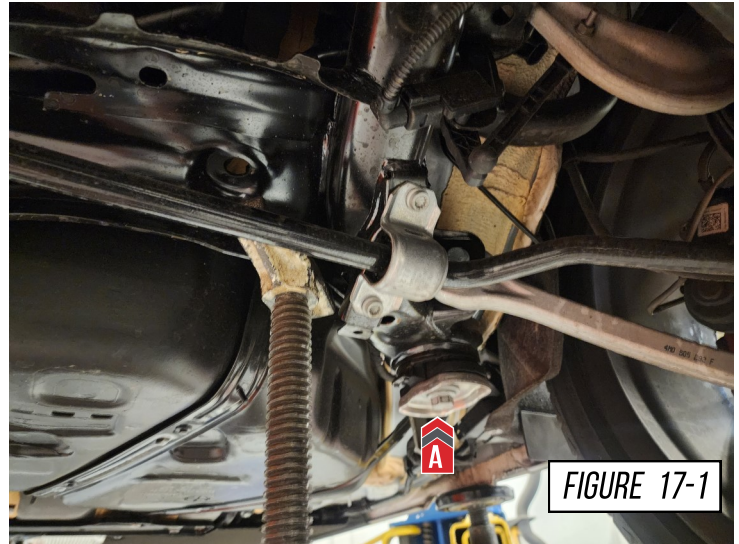


FIGURE 17-1



FIGURE 17-2

## STEP 18

Re-install the OE rear driver side hanger, as shown at **(A)** in **Figure 18-1**. Then re-install the OE passenger side hanger, as shown at **(B)** in **Figure 18-2**.



FIGURE 18-1

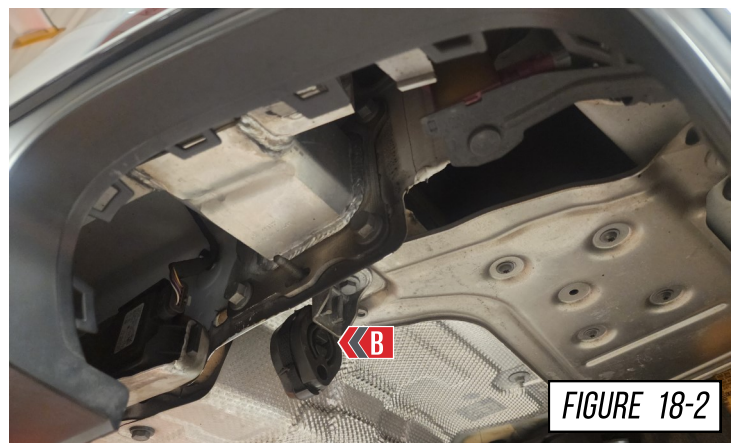


FIGURE 18-2



## STEP 19

Install your AWE driver side rear touring section (**D42**) Do this by first sliding a provided clamp over the expanded joint.

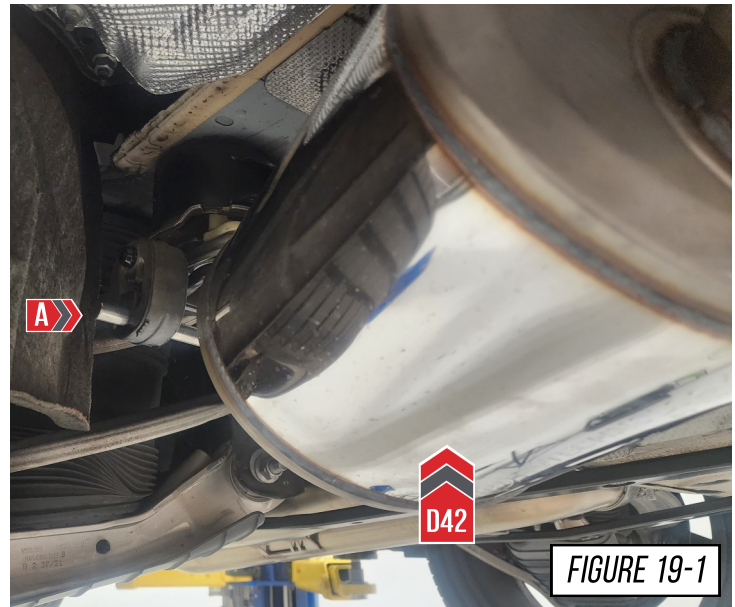
Next slide the hanger bar into the forward most hanger, as shown at (**A**) in **Figure 19-1**.

Then bottom out the slip fit on the AWE axle tube assembly (**E98**), as shown at (**B**) in **Figure 19-2**.

Lastly slide the hanger bar into the rear most hanger, as shown at (**C**) in **Figure 19-2**.

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

Repeat these steps for your AWE passenger side rear touring section (**D43**).



## STEP 20

Install your AWE turndowns (D48), using the provided barrel clamps, as shown in **Figure 20-1**, and **Figure 20-2**.



FIGURE 20-1



FIGURE 20-2

## STEP 21

Install your AWE lock collar clamps on the rear most hanger bars on both sides of the vehicle, as shown in **Figure 21-1**, and **Figure 21-2**. Install the clamps flush with the end of the hanger bar.

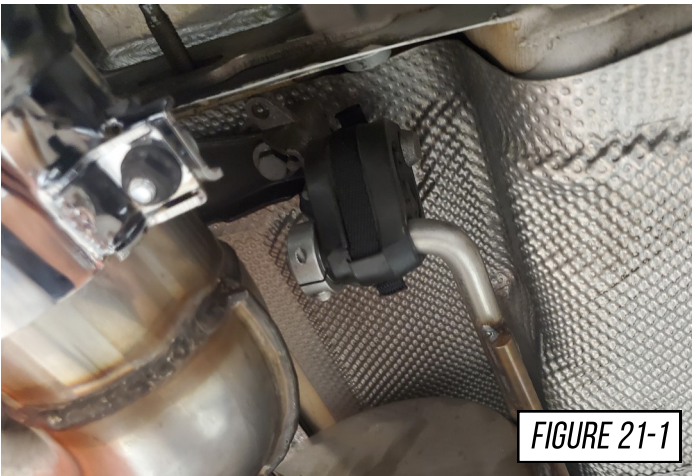


FIGURE 21-1

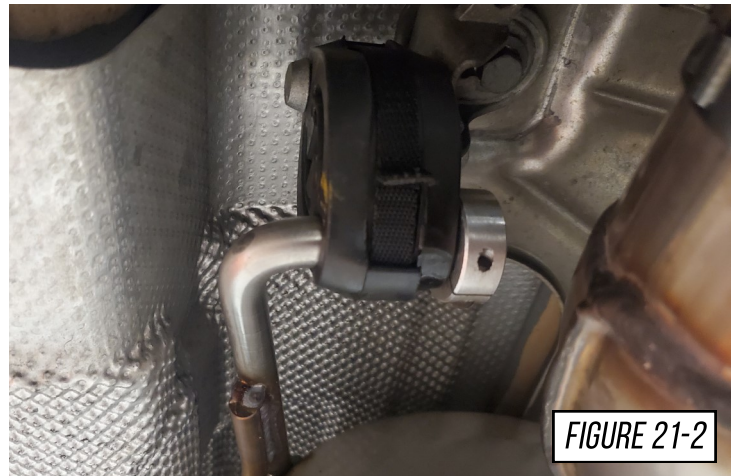


FIGURE 21-2

## STEP 22

Make your final adjustments to the tips to ensure they are in a position you like. Once the desired position is achieved 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

It is now recommended to drive the car to allow the exhaust to heat cycle after all clamps and tips are fully tightened.



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

Check the tips for correct alignment, adjust as needed.



Don't forget to see the last page for any trouble shooting needs!



FIGURE 22

# 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 <a href="#">fitment guide</a> 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](#).