



INSTALLATION GUIDE: AWE AXLE BACK EXHAUST SUITE FOR THE BMW F30 335i / 435i

For up-to-date fitment information, please visit the product page on AWE-Tuning.com.

THIS GUIDE IS INTENDED FOR THE FOLLOWING PART NUMBERS:

- 3010-32024 AWE Touring Edition Axle Back Exhaust for BMW F3X 335i/435i - Chrome Silver Tips (90mm)
- 3010-32026 AWE Touring Edition Axle Back Exhaust for BMW F3X 335i/435i - Chrome Silver Tips (102mm)
- 3010-33028 AWE Touring Edition Axle Back Exhaust for BMW F3X 335i/435i - Diamond Black Tips (90mm)
- 3010-33030 AWE Touring Edition Axle Back Exhaust for BMW F3X 335i/435i - Diamond Black Tips (102mm)
- 3010-35002 AWE Touring Edition Axle Back Exhaust for BMW F3X 335i/435i - Carbon Fiber Tips

Welcome to the AWE family, and congratulations on your purchase of the AWE Exhaust System for the BMW F30.

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

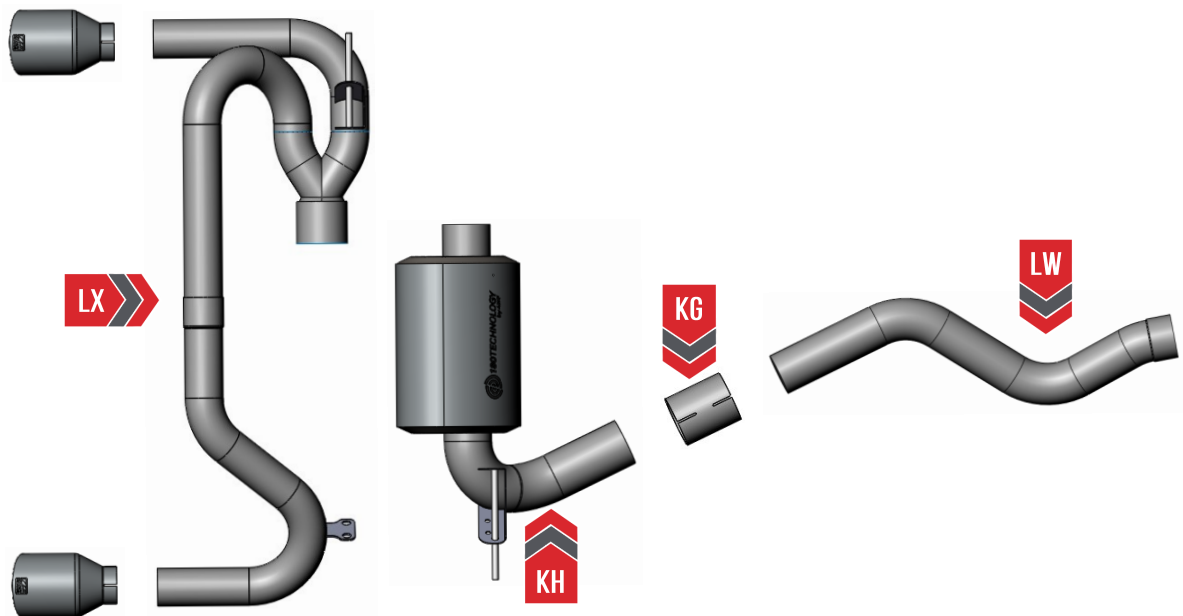
*For up to the minute fitment information, be sure to visit the AWE website. As always, AWE Performance Specialists are standing by for any questions, [right here](#).

PARTS LIST (TOURING EDITION)



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

Symbol	Part Number	Description	QTY
	LW	Axle-Back Section, BMW, N55 235/335/435	1
	KH	Rear Muffler Section, BMW F30	1
	LX	Dual Outlet Section, BMW, N55 335/435	1
	KG	Coupler, BMW F30, Complete Exhaust	1
	390300	3 Inch SS Smart Seal Band Clamp	3
	KIT_6	BMW HARDWARE KIT - VALVE MOTOR BOLTS, LOCK COLLARS	1
	KIT_7	BMW HARDWARE KIT - DUAL/QUAD HANGER MOUNT	1
	3910-41010	Hardware Kit for Integrated Clamp Style Exhaust Tips	1
	390085	85MM SS Smart Seal Band Clamp	1
Exhaust Tip Options			
	31122235	90mm Chrome Tip	2
	180008	102mm Chrome Tip	2
	31122251	90mm Black Chrome Tip	2
	180009	102mm Black Chrome Tip	2
	61000122	Straight Cut Carbon Fiber Tip	2





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



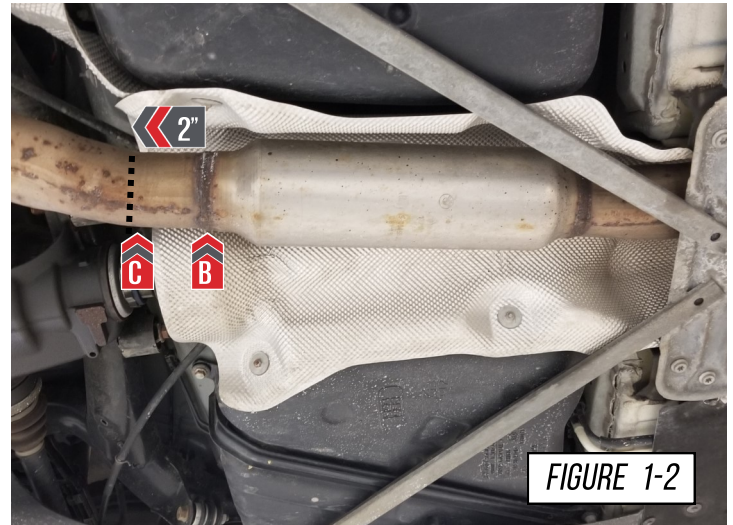
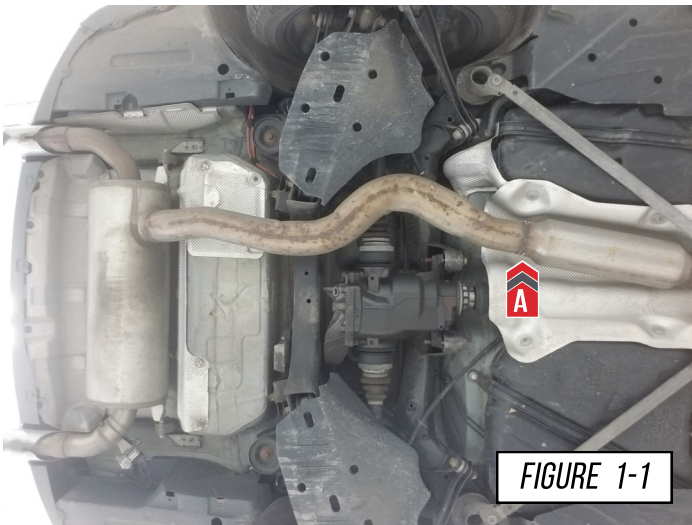
CAUTION: The exhaust may be **VERY HOT** — allow adequate time for the system to cool down before disassembly. Severe burns and injury will occur if skin comes into contact with a hot exhaust system.

STEP 1

Locate the weld bead at the outlet of the factory mid pipe resonator Arrow (A), shown in **Figure 1-1**.

From Arrow (B) (weld bead), measure 2" towards the rear of the vehicle and mark the factory exhaust system at the line shown by Arrow (C), as shown in **Figure 1-2**.

Note: Wrap the cut edge in tape, to act as a guide when cutting.

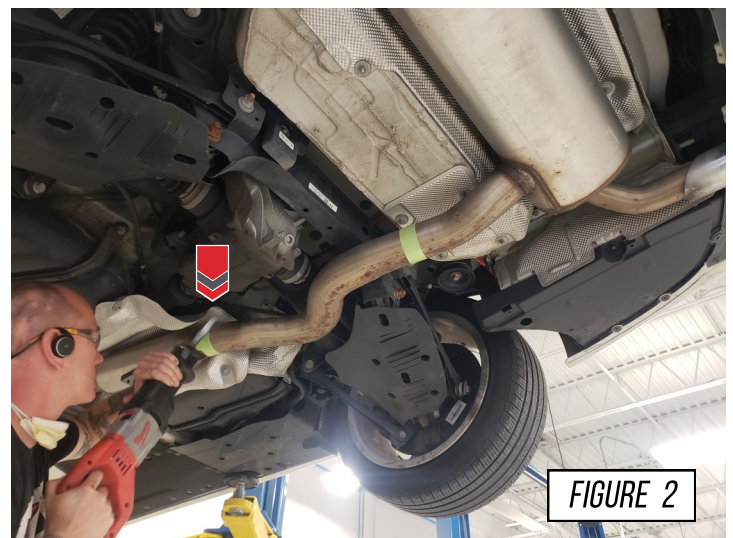


STEP 2

Next cut straight through the tubing on the line you just made.



Keep the cut straight.

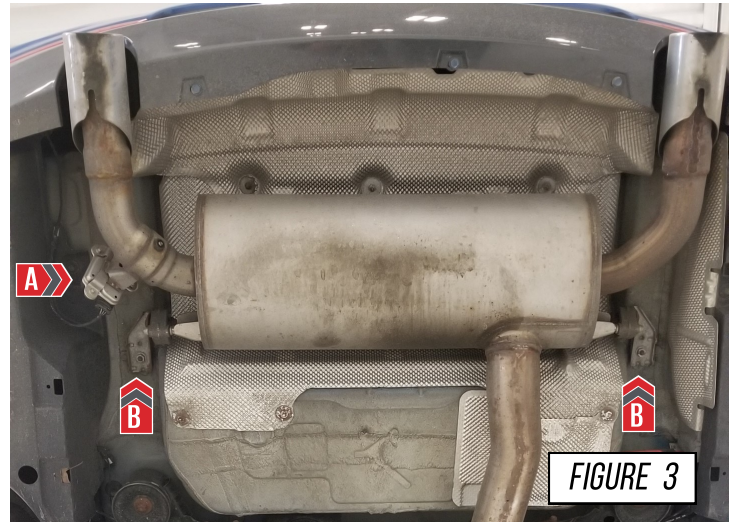


STEP 3

Unclip the wire harness to the valve motor located behind the tip on the driver side of the vehicle shown by Arrow (A).

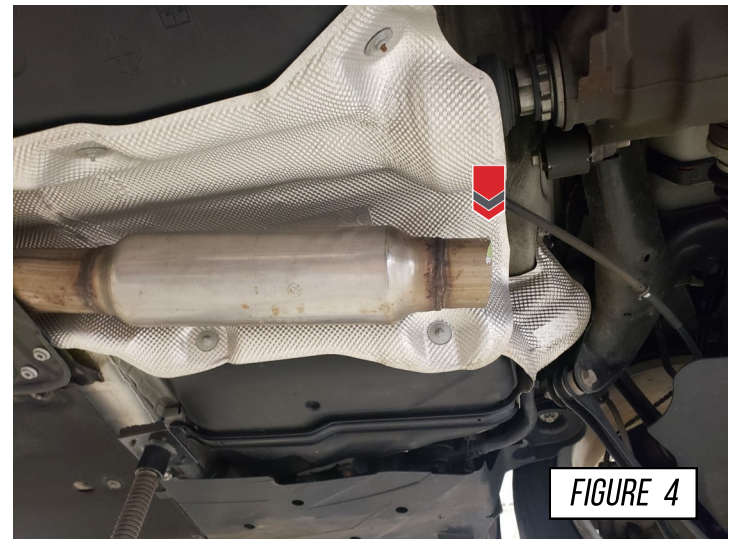
Remove the nuts fastening the hanger brackets shown by Arrows (B) in **Figure 3** to finish removing the axle-back system from the vehicle.

Note: You may also choose to remove the OEM hanger bar from the rubber grommet and leave the bracket on the vehicle.



STEP 4

Deburr the end of the cut tubing. Ensuring the outside of the tube is free of debris, this will make installation of your AWE exhaust easier.

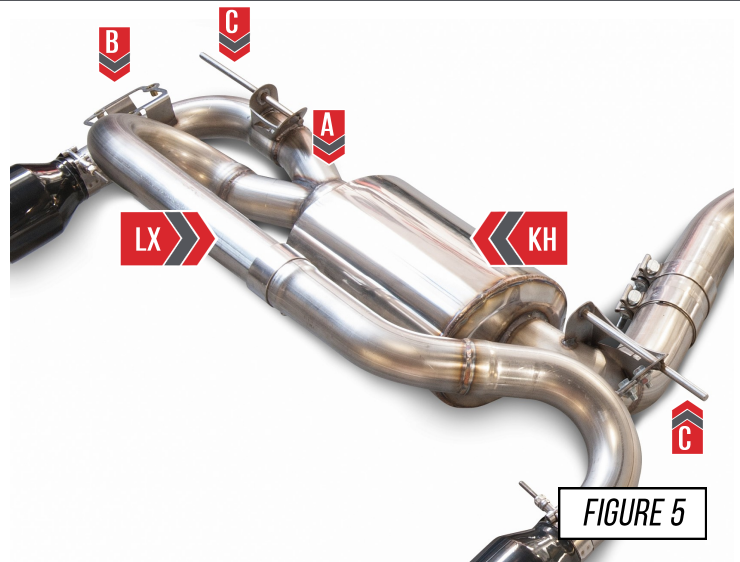


STEP 5

Gather the LX and KH, using a supplied clamp at Arrow (A) attach the 2 components together.

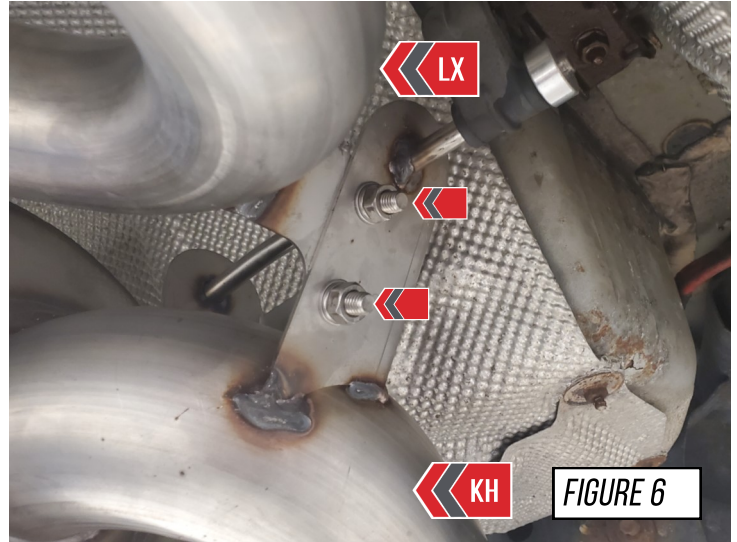
Unbolt valve motor from the factory exhaust. Use the supplied M6 bolts and washers to mount the valve motor onto the AWE Touring Exhaust bracket at Arrow (B).

Slip on factory hanger brackets onto your AWE exhaust hanger bars, shown at Arrow (C).



STEP 6

Use the supplied M8 hardware to secure passenger outlet tab (**LX**) to rear muffler bracket (**KH**) as shown in **Figure 6**.



STEP 7

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.

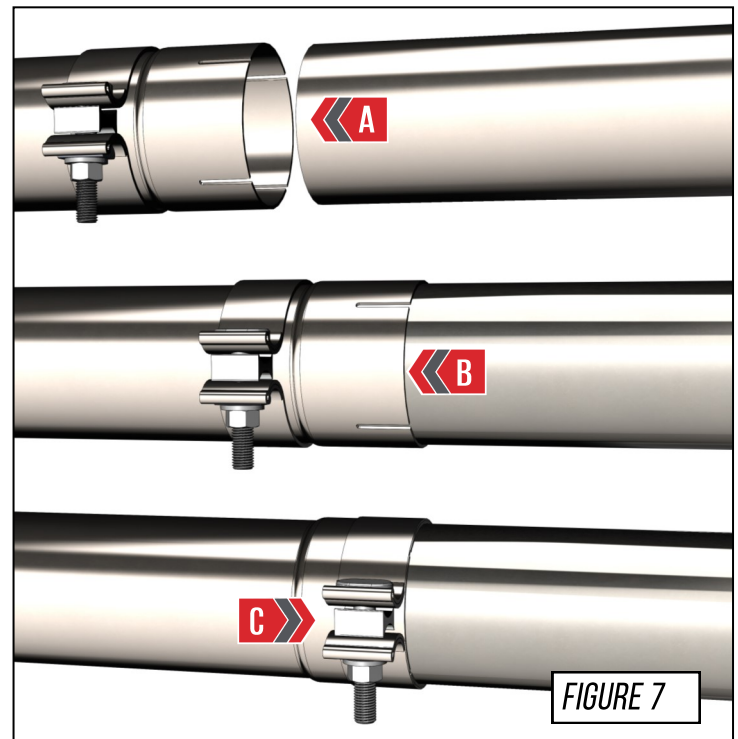
Arrow B shows the overlapping pipe installed correctly over the corresponding pipe.

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 8

Install your AWE Axle-back pipe (**LW**), using the supplied clamp, as shown in **Figure 8**.

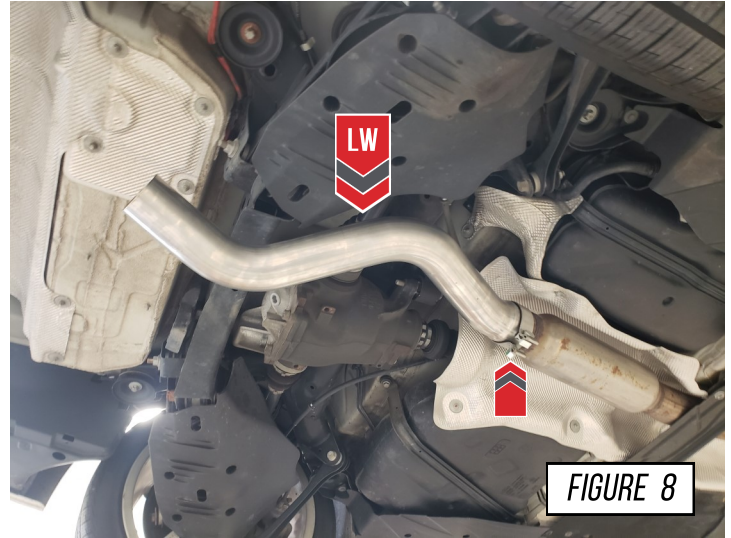


FIGURE 8

STEP 9

Install the coupler (**KG**), using the supplied clamp, as shown in **Figure 9**.

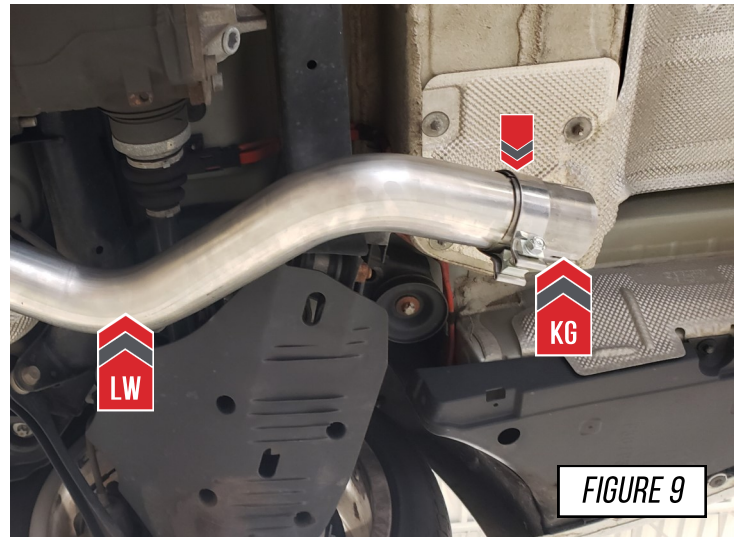


FIGURE 9

STEP 10

Install the assembled rear muffler section into the vehicle, as shown in **Figure 10**.

Use a supplied clamp at Arrow (**A**) and the 2 OE hangers and hardware at Arrow (**B**).

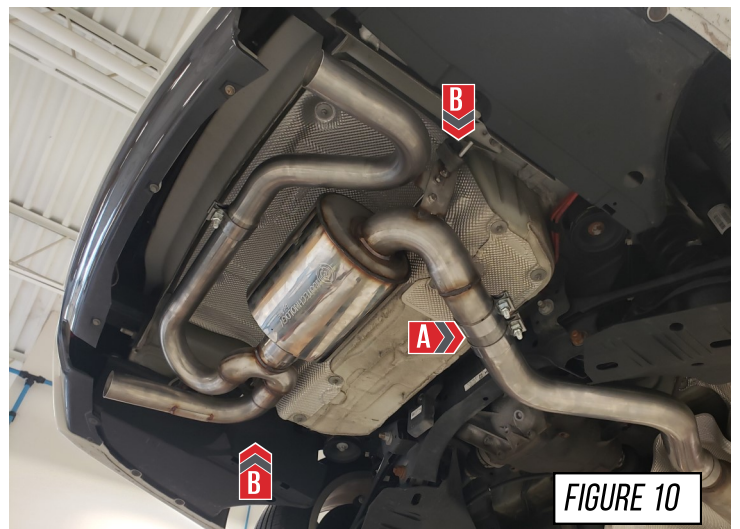



FIGURE 10

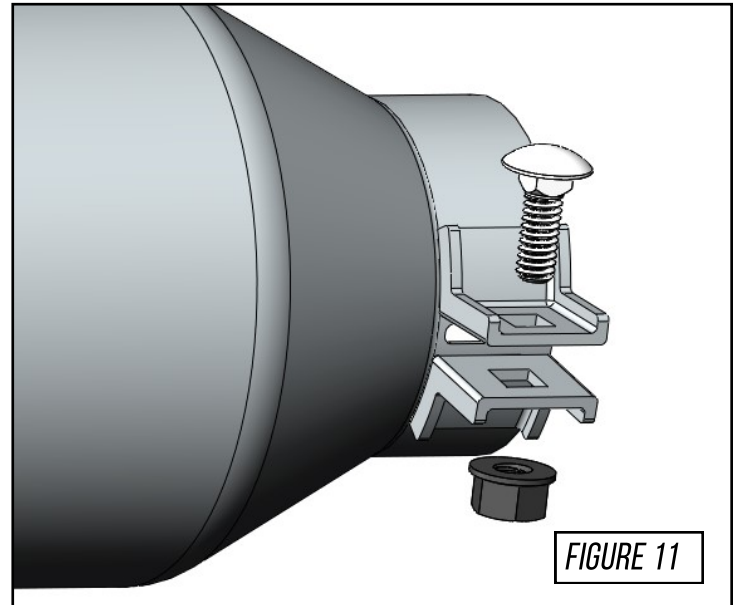
STEP 11

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.

 This 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.



STEP 12

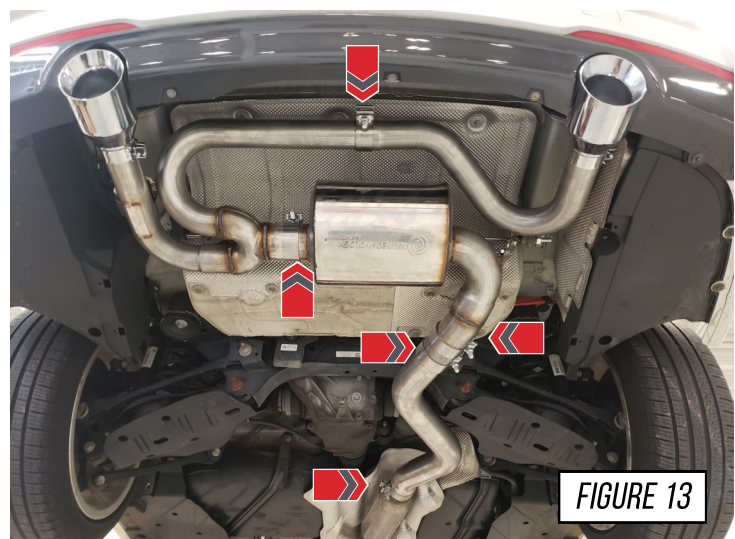
Install your AWE exhaust tips, as shown in **Figure 12**.

Note: Just snug the clamps until the end.



STEP 13

Working for the front of the vehicle to the rear, check for proper alignment and tighten each clamp, to at least 60ft/lbs.



STEP 15

Once the exhaust system is properly adjusted, install a hanger post clamp on each of the rear muffler hanger posts, as shown in **Figure 15**.

Slide the clamp onto the hanger post so that it sits snug against the rubber element, and then tighten down with the enclosed allen wrench. These clamps will keep the exhaust from sliding laterally under usage and will keep the tips properly aligned in the valance openings

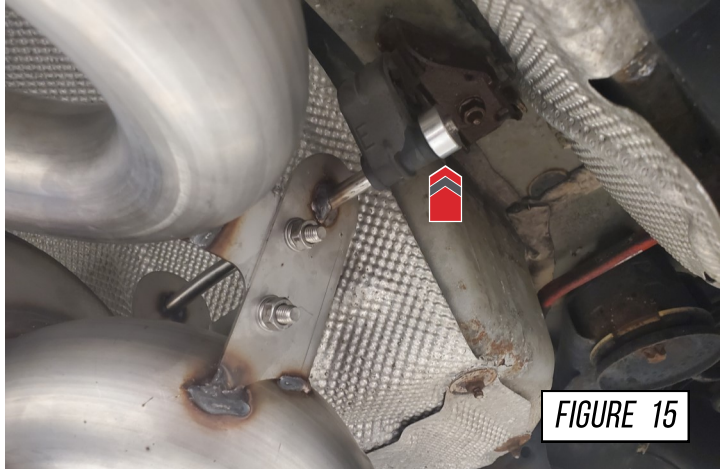


FIGURE 15

STEP 16

With the system aligned, tighten the exhaust tips, shown at Arrow (A).

Plug the OE harness into the valve motor, shown by Arrow (B).

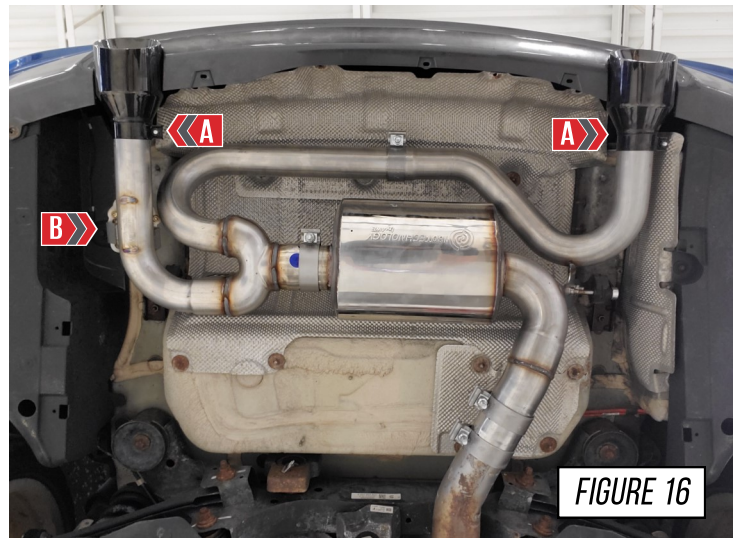


FIGURE 16

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:

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215-658-1670
[CONTACT FORM](#)

WARRANTY

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