



INSTALLATION GUIDE: THE AWE SWITCHPATH EXHAUST FOR THE FORD S550 MUSTANG MACH 1

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

THIS GUIDE IS INTENDED FOR THE FOLLOWING PART NUMBERS:

- 3025-42551 AWE SwitchPath™ Exhaust for Ford Mustang S550 Mach1 - Quad Chrome Silver Tips
- 3025-43551 AWE SwitchPath™ Exhaust for Ford Mustang S550 Mach1 - Quad Diamond Black Tips

Welcome to the AWE family, and congratulations on your purchase of the AWE Exhaust for the Mustang Mach 1.

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

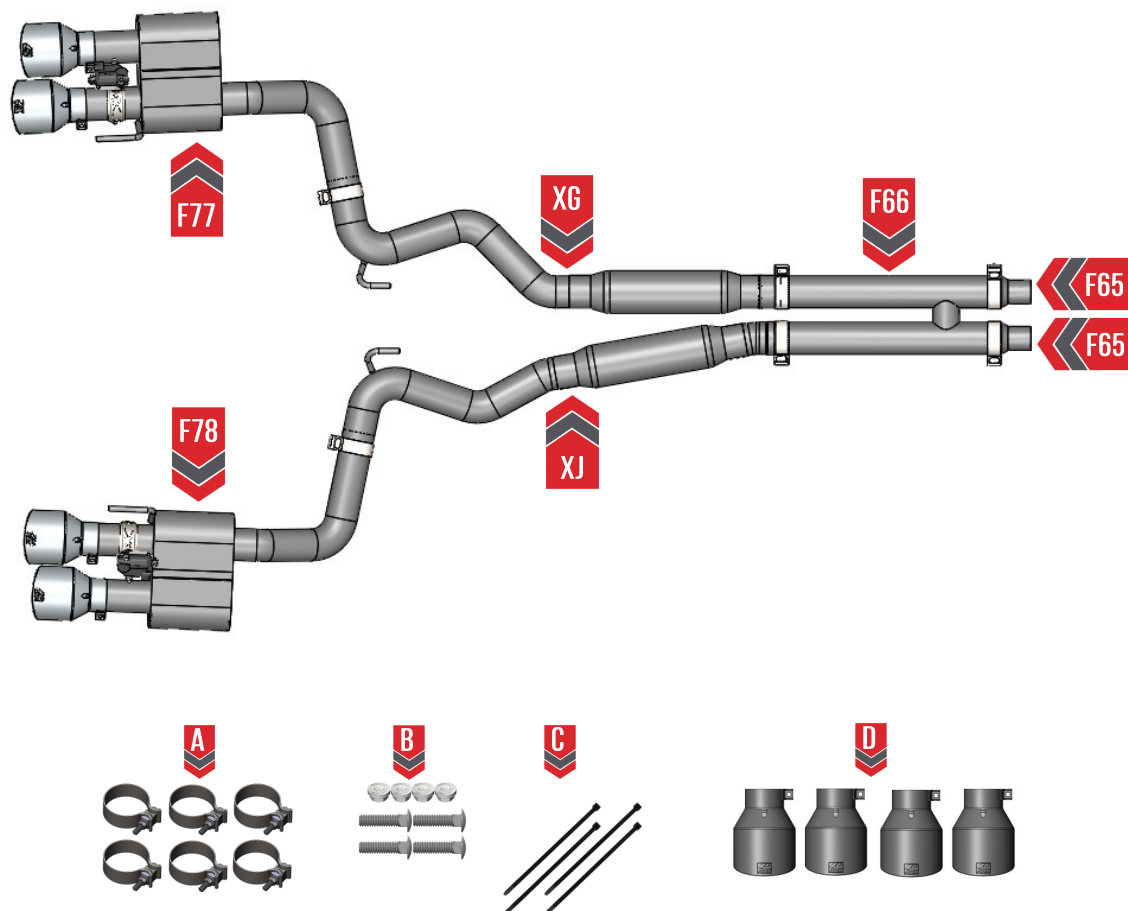
*For up to the minute fitment information, be sure to visit the AWE website. As always, AWE Performance Specialists are standing by for any questions, [right here](#).

PARTS LIST (MACH 1 SWITCHPATH)



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

Symbol	Part Number	Description	QTY
	F65	Mustang GT H-pipe OEM adapter	2
	F66	Mustang GT H-pipe	1
	XG	Mustang GT DS Cat Back Axle Tube	1
	XJ	Mustang GT PS Cat Back Axle Tube	1
	F77	S650 Mustang Switchpath Rear DS	1
	F78	S650 Mustang Switchpath Rear PS	1
A	180300	AWE 3.0" Band Clamp	6
B	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
C	7130K59	7.5 INCH ZIP TIE (MEDIUM)	4
	180006	5.00" OD x 3.00" ID, Slash Cut, Chrome Silver, AWE logo, Integrated Clamp	4
D	180007	5.00" OD x 3.00" ID, Slash Cut, Diamond Black, AWE logo, Integrated Clamp	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.

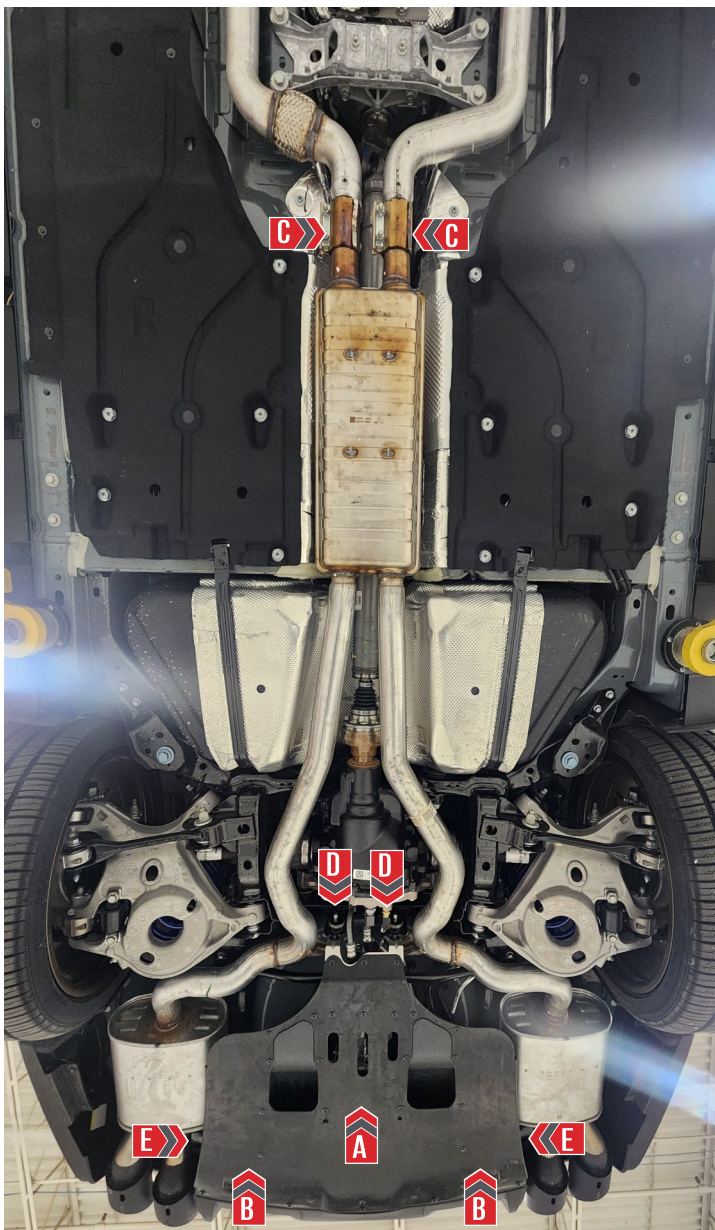
STEP 1



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

1. Remove the factory splashguard shown at **(A)**. The splashguard will be reinstalled later using OE hardware. **Note:** Not all vehicles are equipped with the splashguard from factory.
2. Unplug the valve motor wiring harnesses located at **(B)**.
3. Loosen the OE clamps, shown at **(C)**.
4. Remove the OE hardware holding the hangers shown at **(D)**.
5. Remove the OE hardware holding the hangers, shown at **(E)**.
6. Remove the OE Exhaust

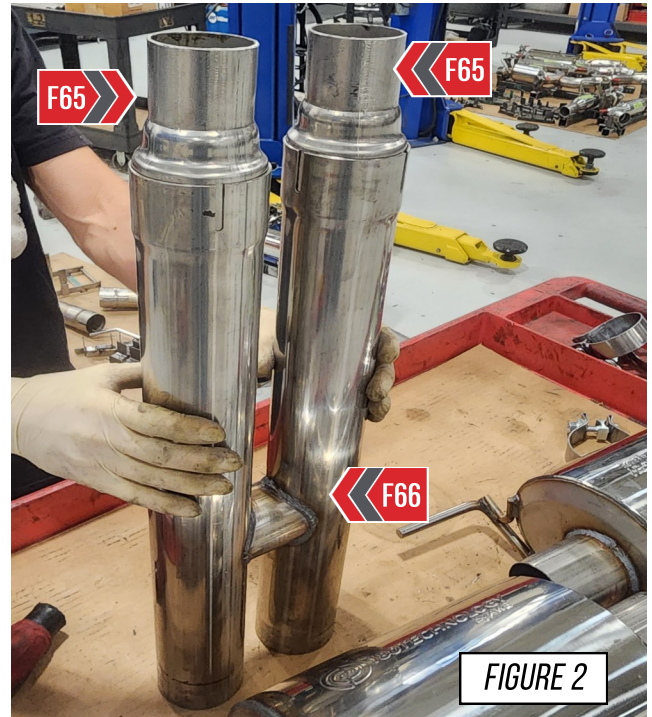
Note: All of the OE hangers will be reused with your AWE exhaust



STEP 2

Gather your AWE H-Pipe (**F66**), and your AWE H-Pipe OEM adapters (**F65**). Slide the 2 OEM adapters into the expanded ends, as shown in **Figure 2**.

Using two of the provided clamps, fully tighten down the clamps on the expanded ends of the tubes.



STEP 3

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.

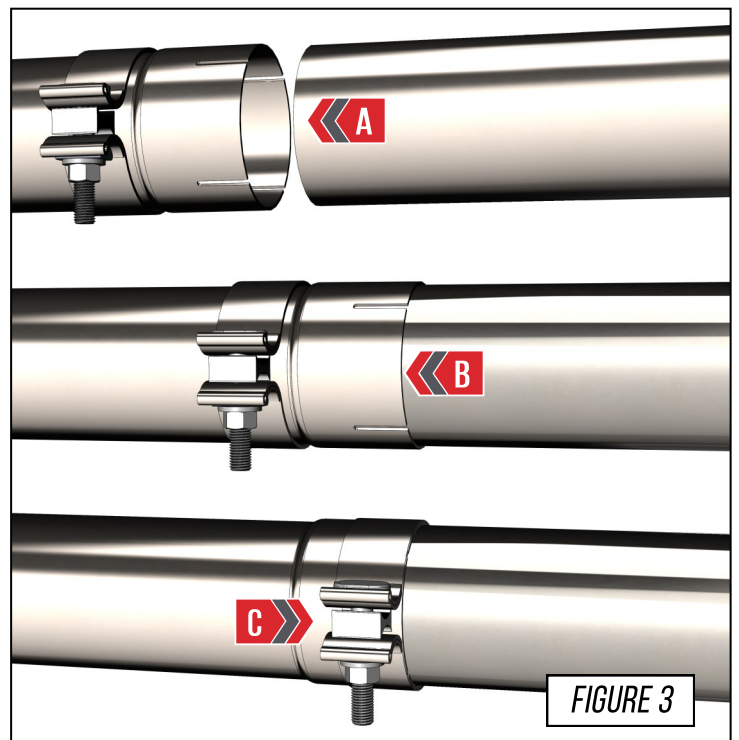
Arrow C shows the exhaust band clamp being brought to the edge of the expanded pipe.

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



NOTES:

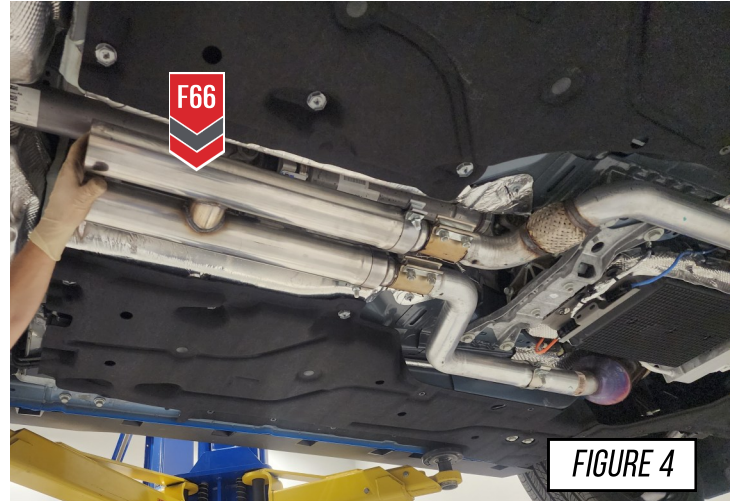
- **Do not** fully torque any exhaust clamp until the entire exhaust has been installed and adjusted.
- Torque specification is a **minimum** of 60 ft/lbs



STEP 4

With your H-pipe fully assembled, install your AWE H-pipe using the OE sleeve clamps, as shown in **Figure 4**.

Note: It is important to rotate the H-pipe during installation so it is level with the ground, to achieve correct fitment.



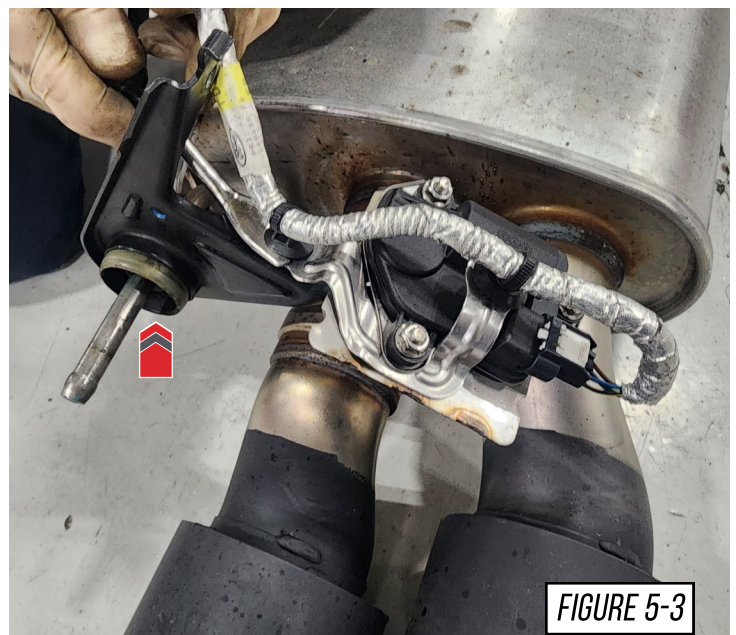
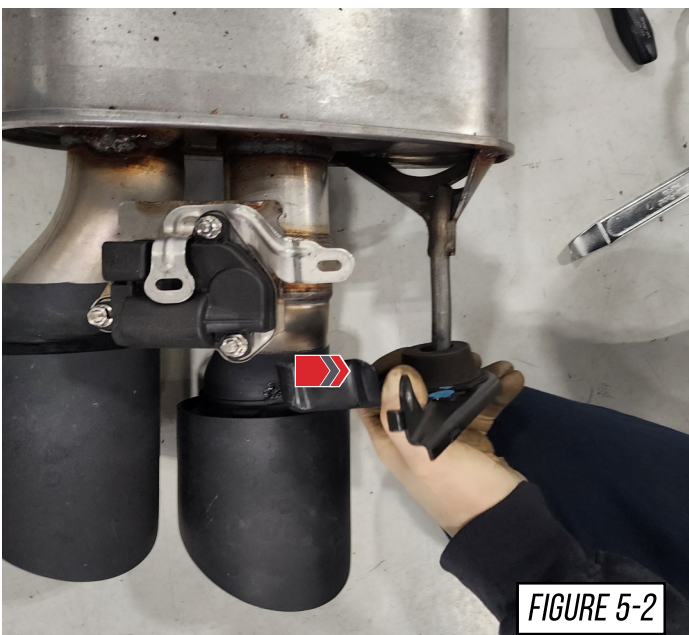
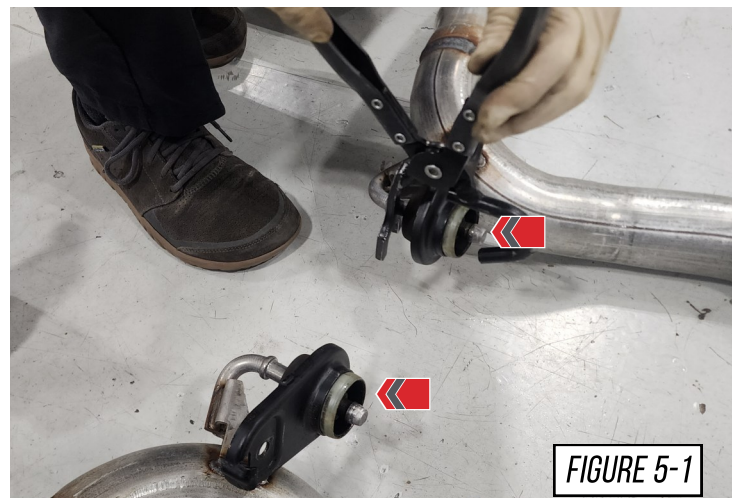
STEP 5

At this point remove the hangers from the OE system as shown in **Figure 5-1**, **Figure 5-2**, and **Figure 5-3**.

While removing the hangers near the tips remove the valve wiring harness shown in **Figure 5-3**. These will be reused later.

Only reinstall the hangers from Figure 5-1 into the car.

Slide the hangers from **Figure 5-2**, and **Figure 5-3**, onto their respective driver side, and passenger side outlet tubes.



STEP 6

Gather your AWE Driver side resonator tube (**XG**).

First slide the hanger bar into the OE driver side hanger that was reinstalled in **Step 5**, shown at (**A**), in **Figure 6**.

Then slide a clamp on the expanded slip joint, and bottom out the slip joint on the rear side of your AWE H-pipe (**F66**).

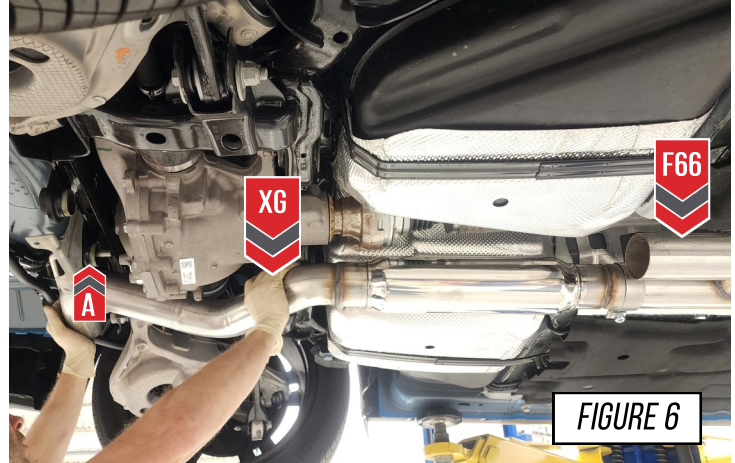


FIGURE 6

STEP 7

Gather your AWE Passenger side resonator tube (**XJ**).

First slide the hanger bar into the OE passenger side hanger that was reinstalled in **Step 5**, shown at (**A**), in **Figure 7**.

Then slide a clamp on the expanded slip joint, and bottom out the slip joint on the rear side of your AWE H-pipe (**F66**).

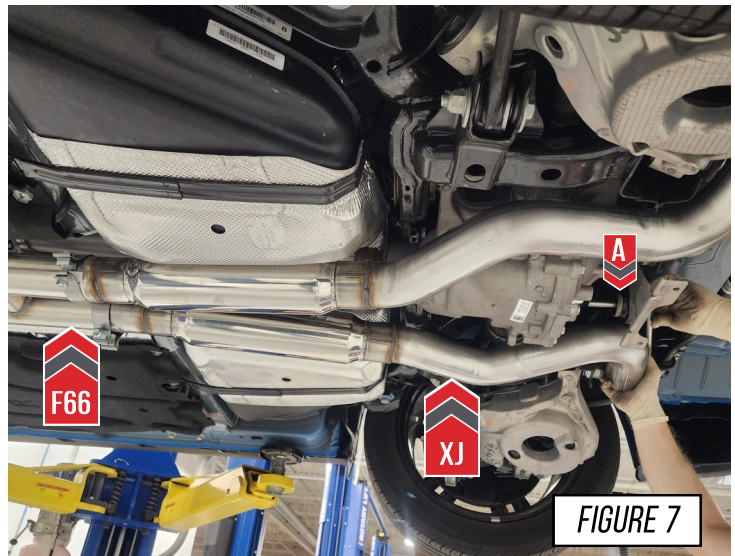
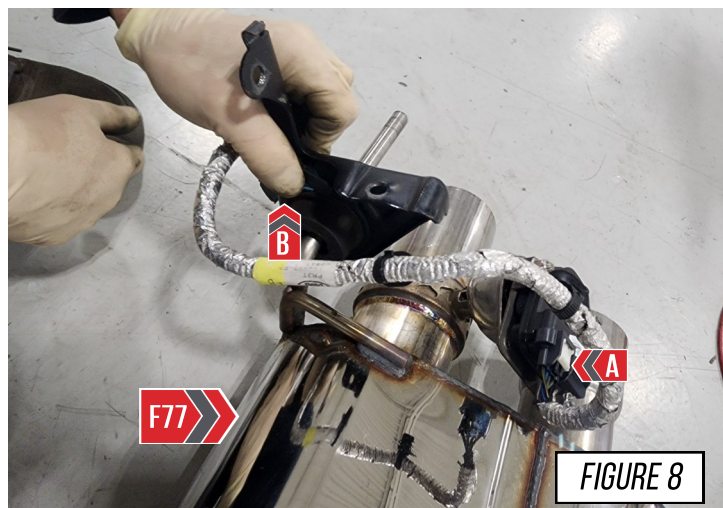


FIGURE 7

STEP 8

With the OE rear exhaust hangers installed on to your AWE SwitchPath rear sections (**F77/ F78**) Secure your OE wiring harnesses to the motors (**A**), and hangers (**B**) of their respective sides, as shown in **Figure 8**.

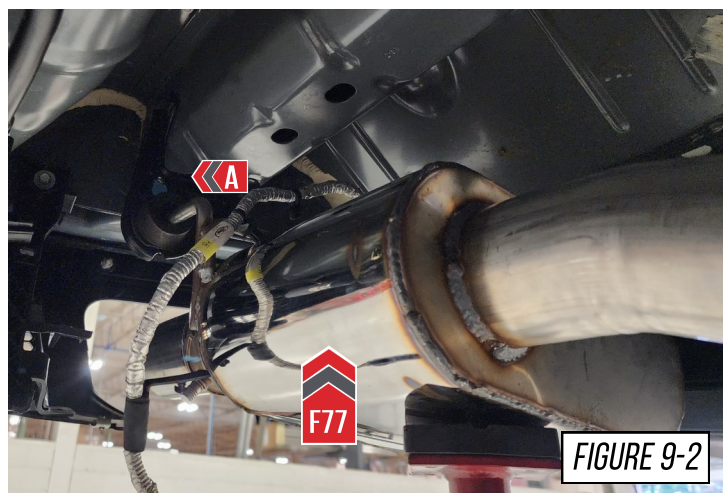
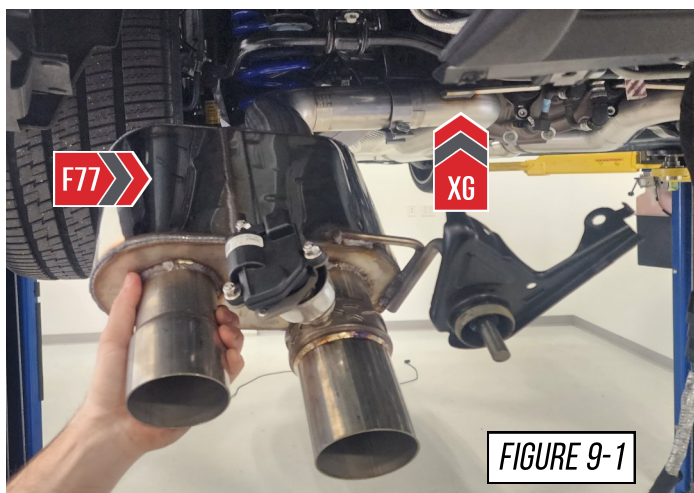


STEP 9

Gather your AWE driver side SwitchPath section (**F77**), slide a provided clamp over the expanded end, and bottom out the slip fit onto the back of your driver side resonator tube (**XG**), as shown in **Figure 9-1**.

Next rotate the driver side outlet tube up into position, and secure it in place by reinstalling the OE hanger, as shown at (**A**) in **Figure 9-2**.

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

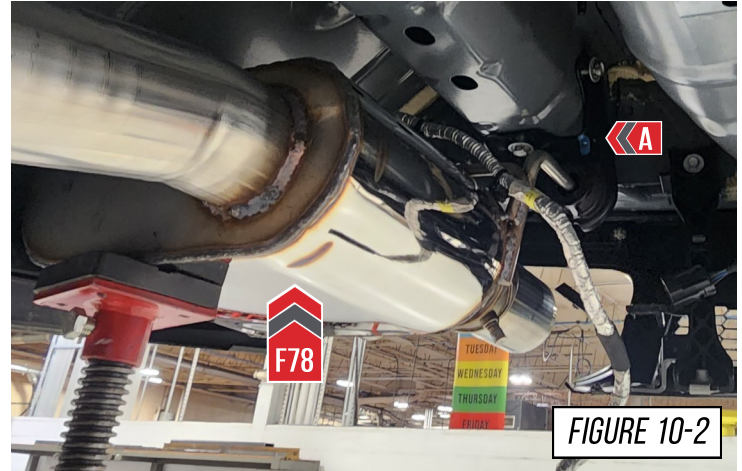
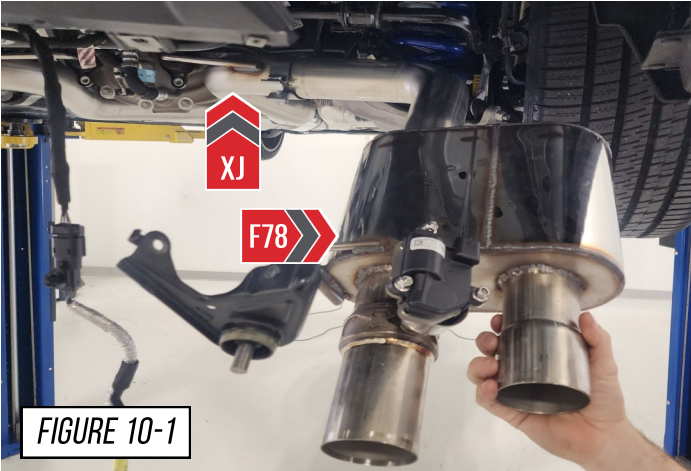


STEP 10

Gather your AWE passenger side SwitchPath section (**F78**), slide a provided clamp over the expanded end, and bottom out the slip fit onto the back of your driver side resonator tube (**XJ**), as shown in **Figure 10-1**.

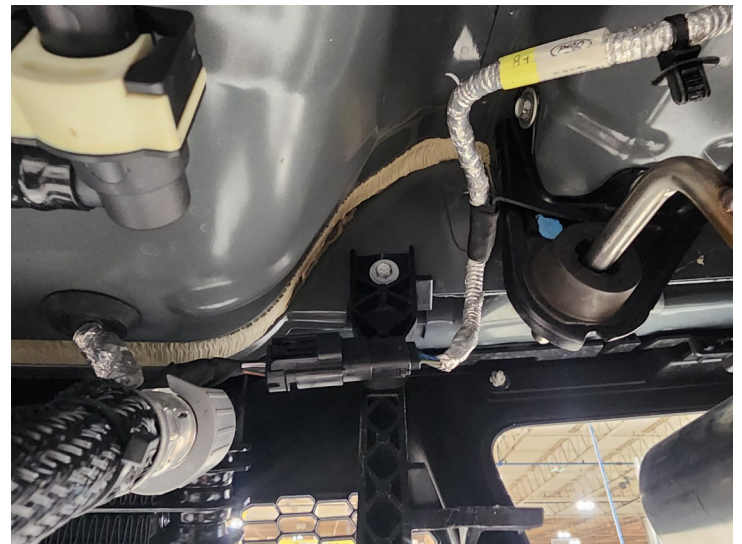
Next rotate the driver side outlet tube up into position, and secure it in place by reinstalling the OE hanger, as shown in **Figure 10-2**.

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



STEP 11

Next plug the wiring harness back into the vehicle as shown at (**A**) in **Figure 11**. Repeat for the opposite side.



STEP 12

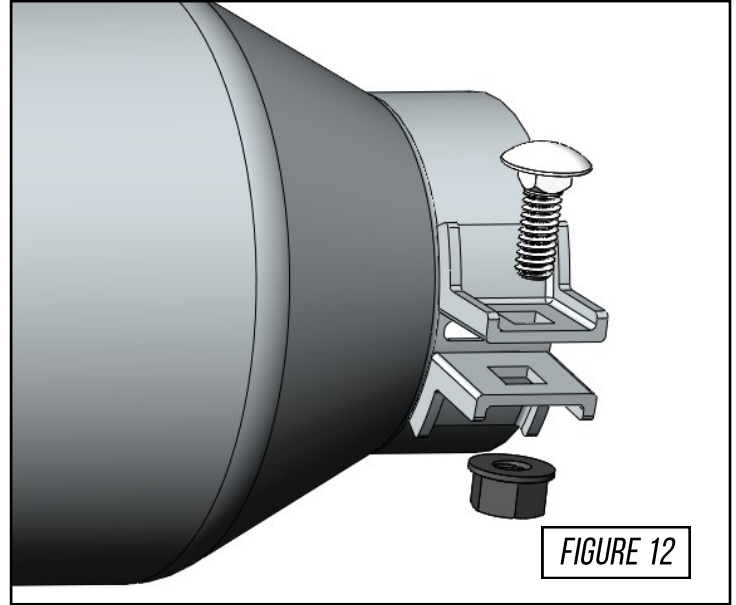
To install the exhaust tips with integrated clamps, first, attach the exhaust tip in the proper orientation onto the exhaust outlet tube.

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.



STEP 13

Now install your four tips onto your exhaust, as shown in **Figure 13**.

With you're your tips installed, work from front clamps back fully tightening all clamps, and bolts. Ensure the tips stay in their desired position.



STEP 14

With your tips installed, and all clamps fully tightened reinstall the OE rear heat shield using the OE hardware, as shown in **Figure 14**.

Note: If your vehicle is not equipped with the splashguard, you can skip this step.



FIGURE 14

STEP 15

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!



FIGURE 15

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](#).