

INSTALLATION GUIDE:
AWE EXHAUST SUITE FOR THE NISSAN Z RZ34

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

THIS GUIDE IS INTENDED FOR THE FOLLOWING PART NUMBERS:

3020-32400	AWE Track Edition Exhaust for Nissan Z - Chrome Silver Tips
3020-33400	AWE Track Edition Exhaust for Nissan Z - Diamond Black Tips
3015-32400	AWE Touring Edition Exhaust for Nissan Z - Chrome Silver Tips
3015-33400	AWE Touring Edition Exhaust for Nissan Z - Diamond Black Tips
3815-11400	AWE Track-to-Touring Edition Conversion Kit for Nissan Z
3820-11400	AWE Touring-to-Track Edition Conversion Kit for Nissan Z

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

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

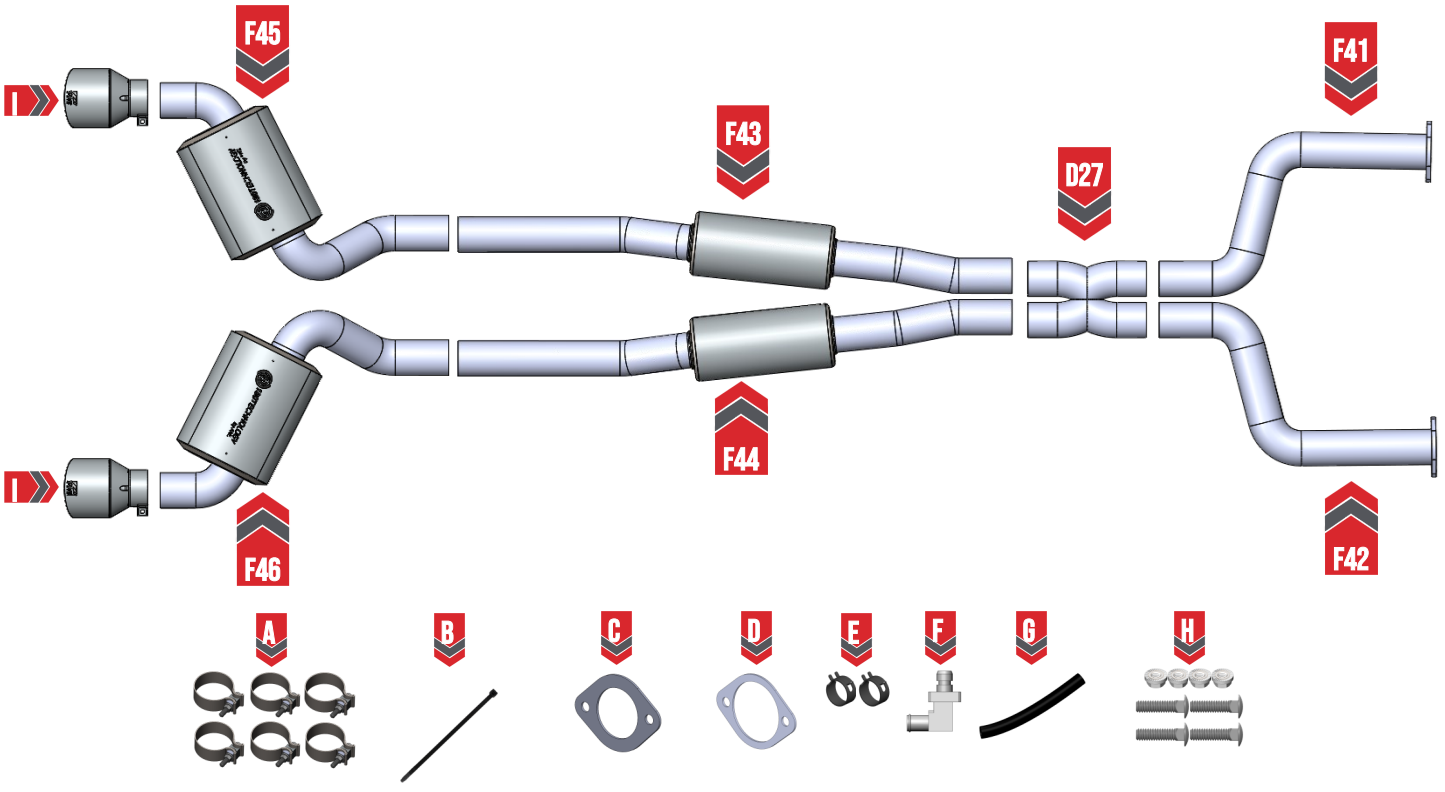
*For up to the minute fitment information, be sure to visit the AWE website. As always, AWE Performance Specialists are standing by for any questions, right here.

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PARTS LIST (TOURING 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
	F41	Nissan 400Z RZ34 Driver Inlet	1
	F42	Nissan 400Z RZ34 Passenger Inlet	1
	F43	Nissan 400Z RZ34 Driver Resonated Section	1
	F44	Nissan 400Z RZ34 Passenger Resonated Section	1
	F45	Nissan 400Z RZ34 Driver Touring Rear	1
	F46	Nissan 400Z RZ34 Passenger Touring Rear	1
	D27	Modular X Pipe	1
A	180300	AWE 3.0" Band Clamp, Stainless	6
B	7130K59	7.5 INCH ZIP TIE (MEDIUM)	1
C	110091	Z Adapter Plate	2
D	910003	Z Gasket	2
E	7329k42_AWE	Spring Clamp	2
F	150013	Z Evap Adapter	1
G	9446K661_AWE	4.5” Piece 0.625” OD Silicone Hose	1
H	3910-41010	**Only takes 1 of these kits per set of 2 or 4 tips** YELLOW Hardware Kit for Integrated Clamp Style Exhaust Tips - Quad	1
I	180006	5.00" OD x 3.00" ID, Slash Cut, Chrome Silver, AWE logo, Integrated Clamp	2
	180007	5.00" OD x 3.00" ID, Slash Cut, Diamond Black, AWE logo, Integrated Clamp	2

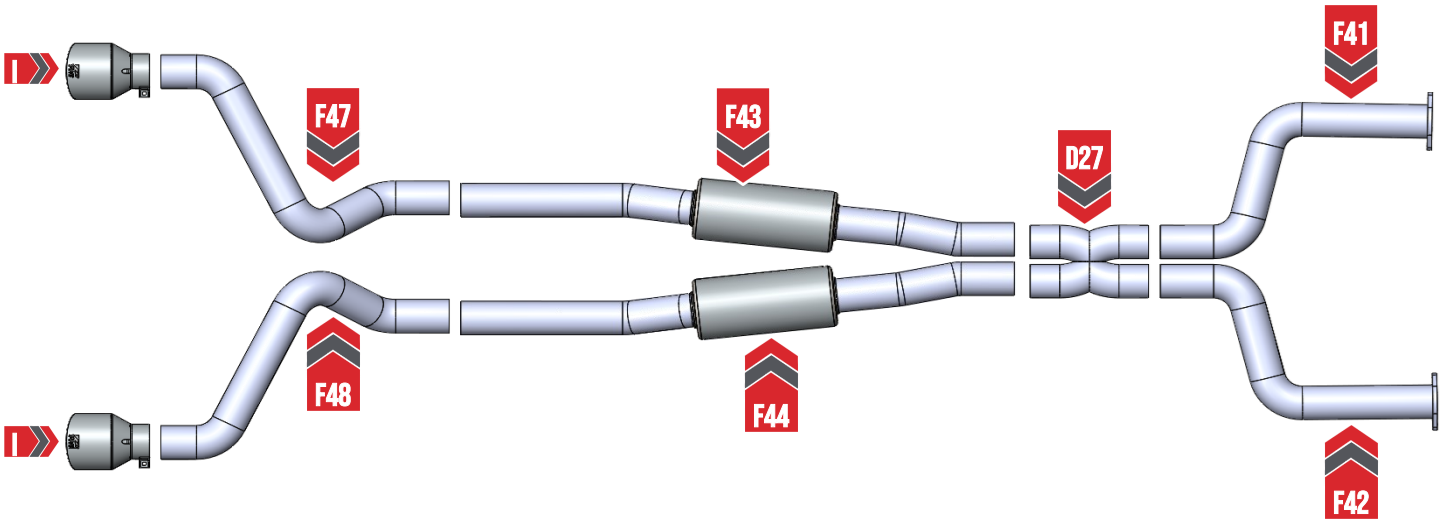


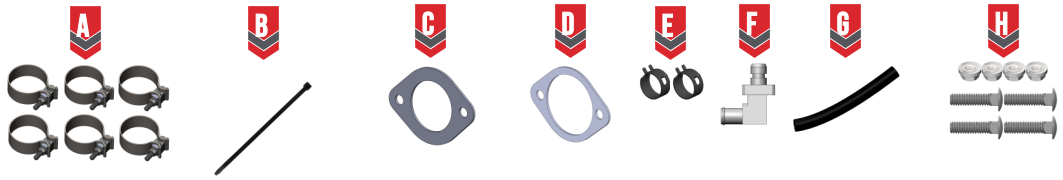
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PARTS LIST (TRACK SYSTEMS)

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

Symbol	Part Number	Description	QTY
	F41	Nissan 400Z RZ34 Driver Inlet	1
	F42	Nissan 400Z RZ34 Passenger Inlet	1
	F43	Nissan 400Z RZ34 Driver Resonated Section	1
	F44	Nissan 400Z RZ34 Passenger Resonated Section	1
	F47	Nissan 400Z RZ34 Driver Track Rear	1
	F48	Nissan 400Z RZ34 Passenger Track Rear	1
	D27	Modular X Pipe	1
A	180300	AWE 3.0" Band Clamp, Stainless	6
B	7130K59	7.5 INCH ZIP TIE (MEDIUM)	1
C	110091	Z Adapter Plate	2
D	910003	Z Gasket	2
E	7329k42_AWE	Spring Clamp	2
F	150013	Z Evap Adapter	1
G	9446K661_AWE	4.5” Piece 0.625” OD Silicone Hose	1
H	3910-41010	**Only takes 1 of these kits per set of 2 or 4 tips** YELLOW Hardware Kit for Integrated Clamp Style Exhaust Tips - Quad	1
I	180006	5.00" OD x 3.00" ID, Slash Cut, Chrome Silver, AWE logo, Integrated Clamp	2
	180007	5.00" OD x 3.00" ID, Slash Cut, Diamond Black, AWE logo, Integrated Clamp	2





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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

Start by removing the OE dual exit exhaust by following the steps, shown in **Figure 1**.

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. Remove the OE hardware on the Y-Pipe flange, shown at (**A**) in **Figure 1**.
2. Unbolt the hangers from the chassis shown at (**B**) in **Figure 1**. With the hangers unbolted remove the rear section of the OE exhaust.
3. Remove the OE hardware on the front flanges, shown at (**C**) in **Figure 1**.
   Note: The OE hardware will be reused.
4. Remove the front section of the exhaust system.

Note: OE hangers will be reused.

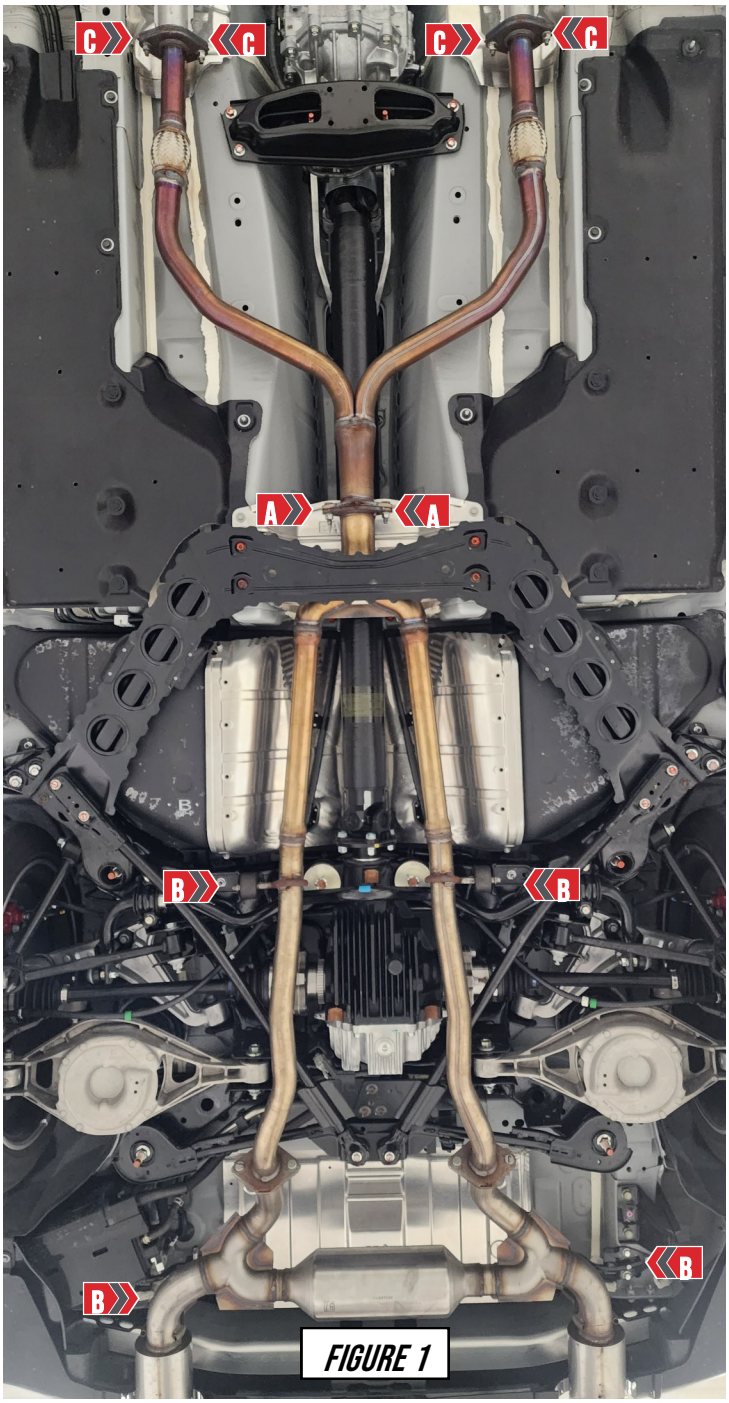


FIGURE 1

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STEP 2

Disconnect the OE sensor (**A**) from the EVAP valve canister (**B**), as shown in **Figure 2**.

Next disconnect the OE sensor (**A**) from the OE plug (**C**).

Note: The OE sensor will be reused.

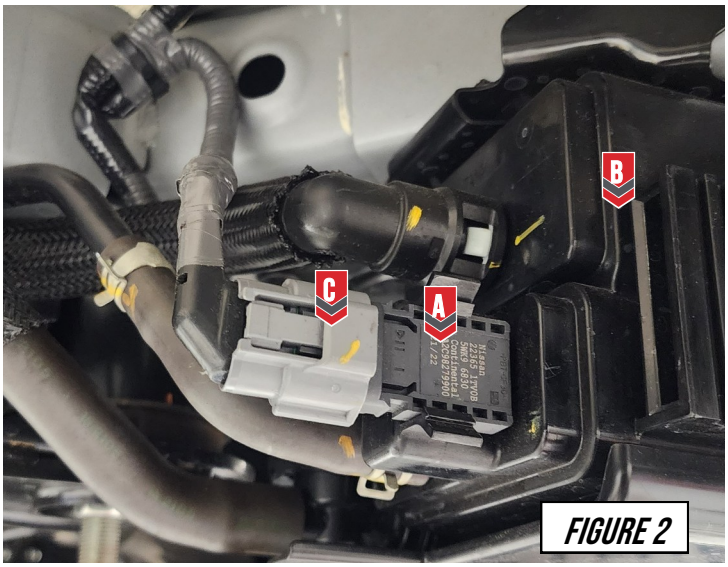


FIGURE 2

STEP 3

Remove the OE O-ring (**A**) from the OE sensor that was removed in **Step 2**.

Next install the O-ring onto the side of your AWE evap canister adapter with the channel in it (**B)**, as shown in **Figure 3**.



FIGURE 3

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STEP 4

Gather the provided hose and spring clamps connect your AWE evap adapter and the OE sensor, as shown in **Figure 4**.

Note: You may have to rotate the evap adapter or the OE sensor for ease of installation.

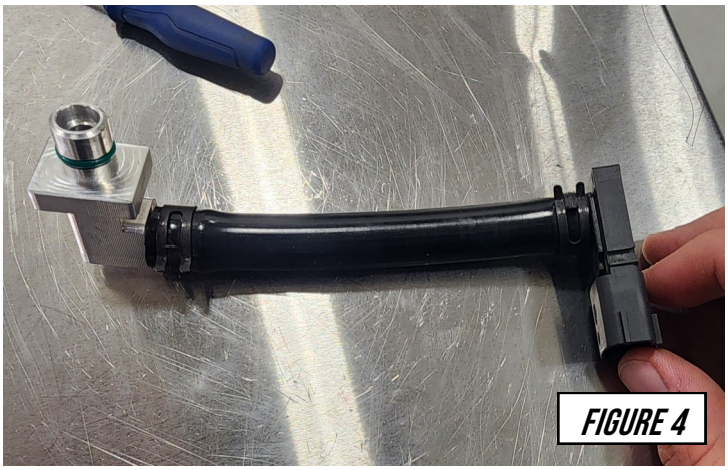


FIGURE 4

STEP 5

Install your AWE evap adapter assembly, as shown in **Figure 5**.

Fully press the evap adapter into the evap canister, as shown at (**A**).

Plug the OE sensor back into the cable, as sown at (**B**).

Lastly use your provided cable tie to secure the entire assembly out of the way, as shown at (**C**).



FIGURE 5

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STEP 6

Install your provided AWE adapter plate onto the outlet side flange of the OE passenger side downpipe, as shown in **Figure 6-1**.

Next, install your provided AWE gasket onto the outlet side flange of the OE passenger side downpipe, as shown in **Figure 6-2**.

Repeat these steps for the driver side of the vehicle.

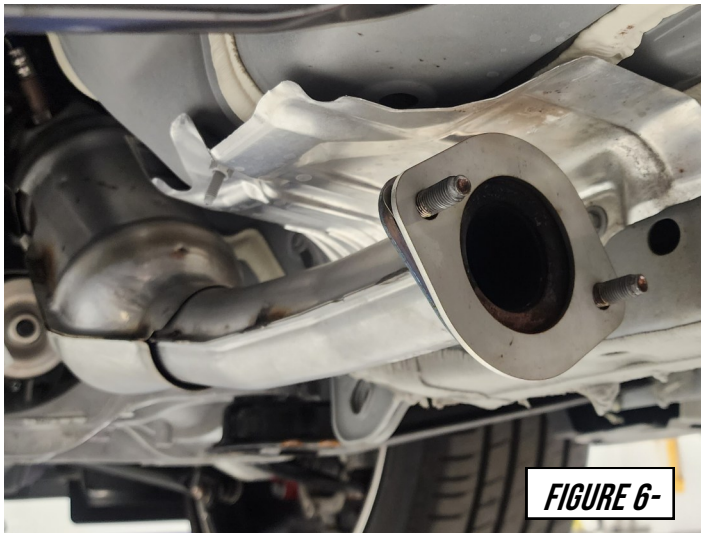


FIGURE 6-

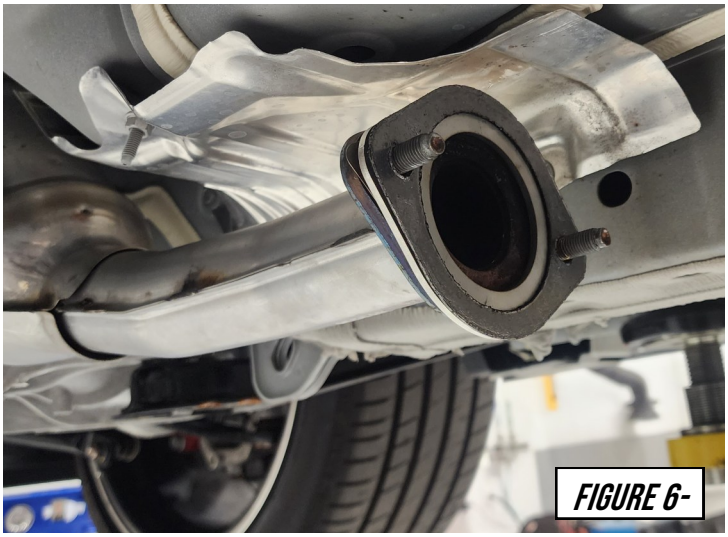


FIGURE 6-

STEP 7

Install your AWE Driver side inlet section (**F41**), as shown in **Figure 7**.

Using the OE hardware secure your AWE inlet to the OE downpipe flange.

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

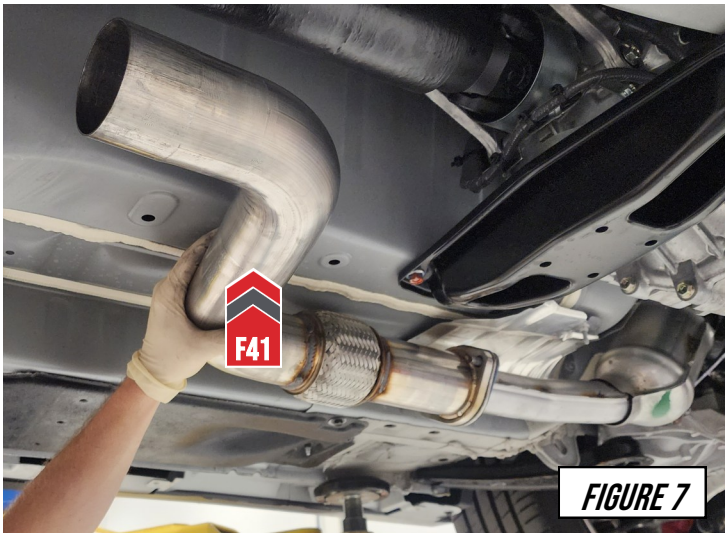


FIGURE 7

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STEP 8

Install your AWE Passenger side inlet section (**F42**), as shown in **Figure 8**.

Using the OE hardware secure your AWE inlet to the OE downpipe flange.

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



FIGURE 8

STEP 9

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

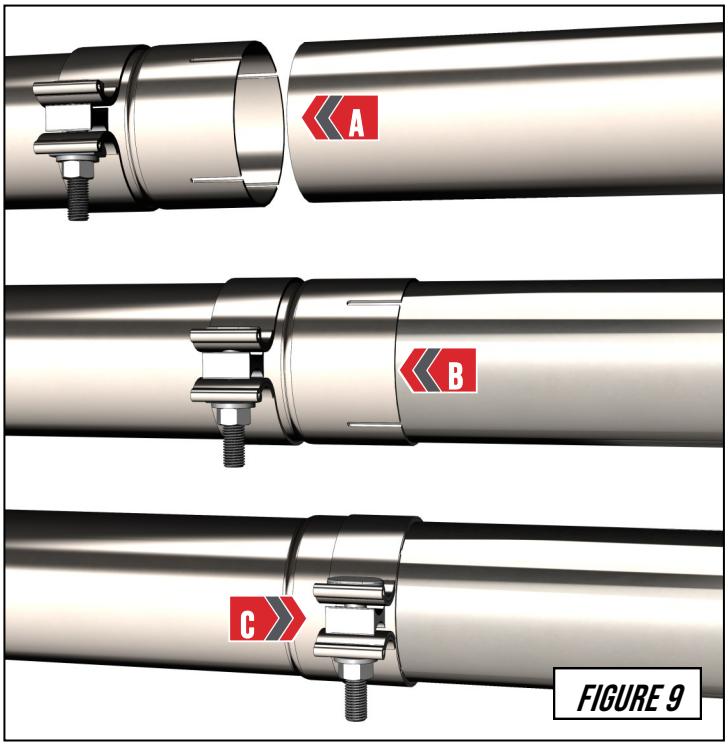


FIGURE 9

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STEP 10

Install your AWE X-pipe (**D27**), as shown in **Figure 10**.

Slide a provided clamp over the outlet side of each inlet section (**F41**/**F42**), then bottom out the X-pipe on the inlet sections.

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

Note: When installing the X-pipe you want it to sit parallel to the ground.

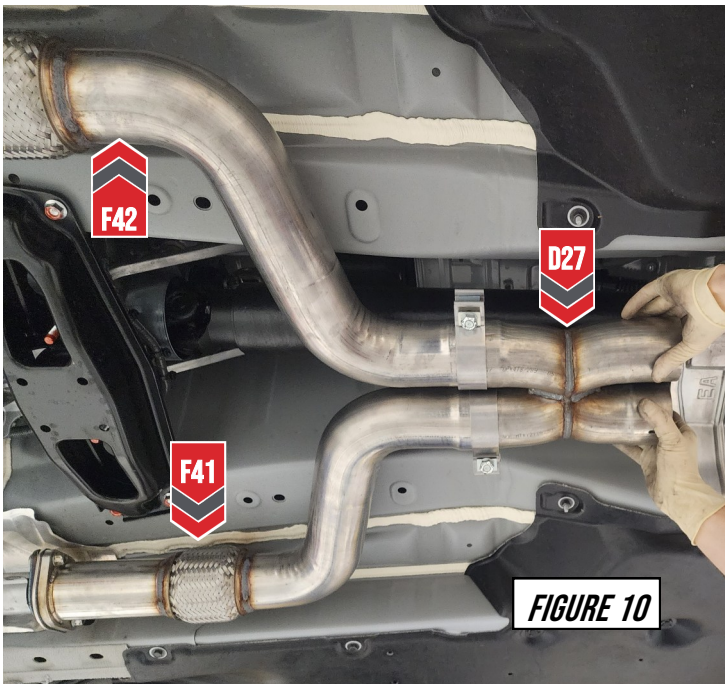


FIGURE 10

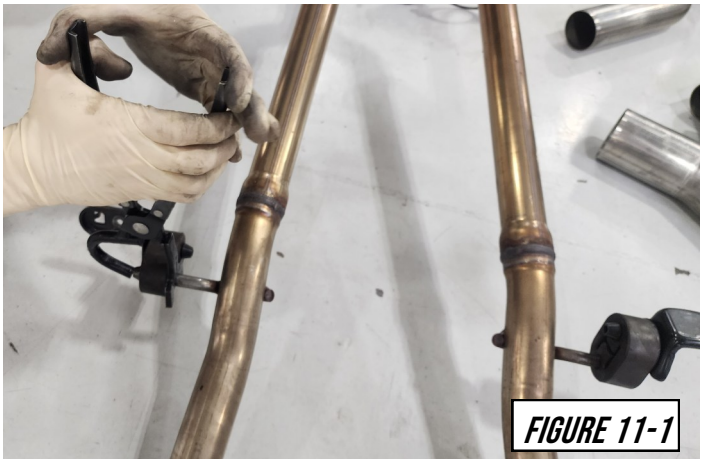
STEP 11

Remove the driver side OE hanger from the mid section of the OE exhaust as shown in **Figure 11-1.**

Next slide a provided clamp over the inlet side of your AWE Driver resonated section (**F43**), then bottom out the slip fit on the driver side leg of the X-pipe (**D27**), as shown in **Figure 11-2**.

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

Slide the OE hanger onto the hanger bar on the resonated section, and fully reinstall the OE hanger to the chassis using the OE hardware at this time.


FIGURE 11-1

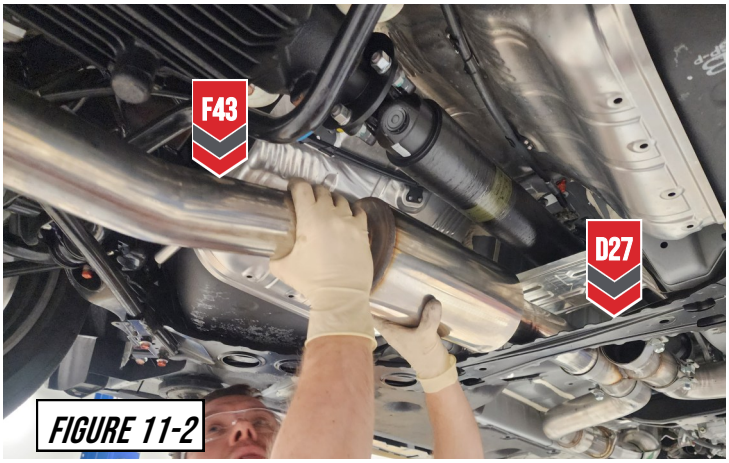


FIGURE 11-2

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STEP 12

Remove the passenger side OE hanger from the mid section of the OE exhaust as shown in **Figure 12-1.**

Next slide a provided clamp over the inlet side of your AWE Passenger resonated section (**F44**), then bottom out the slip fit on the driver side leg of the X-pipe (**D27**), as shown in **Figure 12-2**.

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

Slide the OE hanger onto the hanger bar on the resonated section, and fully reinstall the OE hanger to the chassis using the OE hardware at this time.

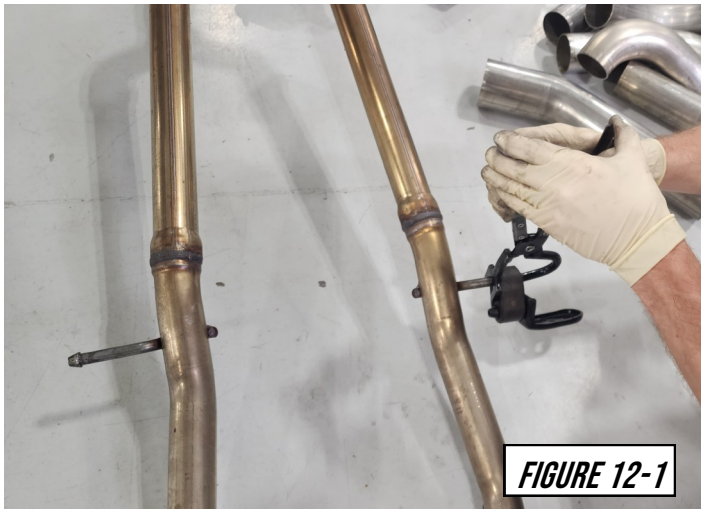


FIGURE 12-1

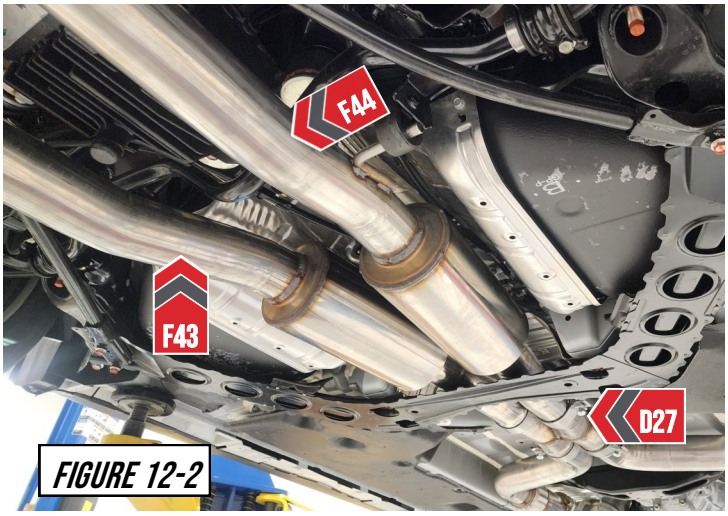


FIGURE 12-2

STEP 13

With both of your resonated sections installed you want to ensure you have proper clearance of the resonator cans from each other (**A**), and the resonator cans from the chassis brace (**B**). Proper clearance can be seen in **Figure 13**.



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STEP 14

Remove the driver side hanger from the OE exhaust, as shown in **Figure 14-1**.

Slide a provided clamp over the inlet of your AWE driver side rear section (**F45**/**F47**), and bottom the slip fit out on the outlet side of the AWE driver resonated section (**F43**), as shown in **Figure 14-2**.

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

Slide the OE hanger onto the rear section hanger bar, and use the OE hardware to reinstall the hanger to the chassis, as shown at (**A**) in **Figure 14-2**.

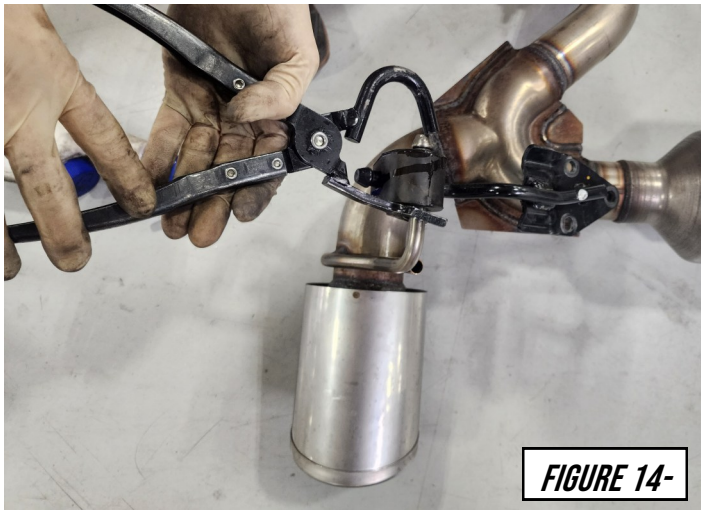


FIGURE 14-

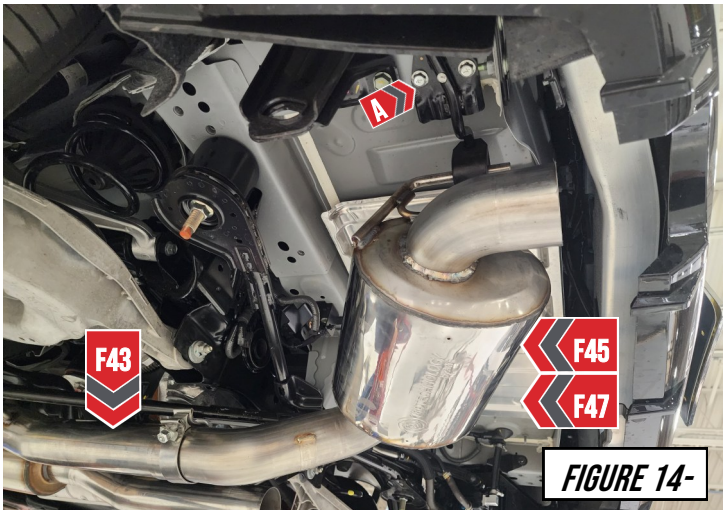


FIGURE 14-

STEP 15

Remove the passenger side hanger from the OE exhaust, as shown in **Figure 15-1**.

Slide a provided clamp over the inlet of your AWE passenger side rear section (**F46**/**F48**), and bottom the slip fit out on the outlet side of the AWE driver resonated section (**F44**), as shown in **Figure 15-2**.

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

Slide the OE hanger onto the rear section hanger bar, and use the OE hardware to reinstall the hanger to the chassis, as shown at (**A**) in **Figure 15-2**.

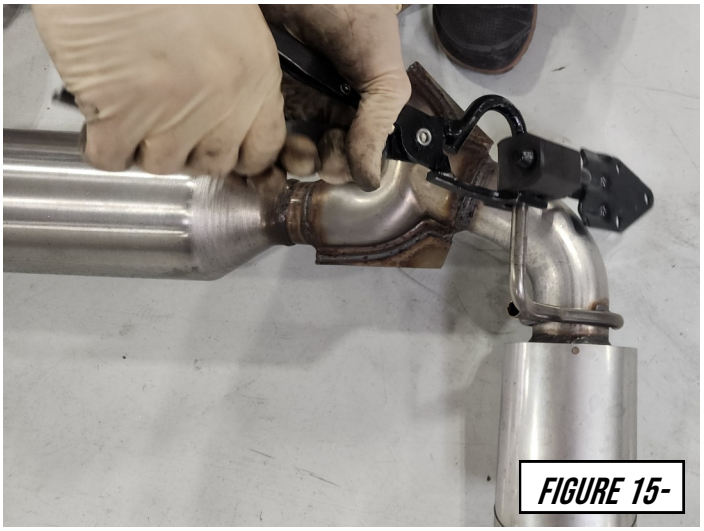


FIGURE 15-

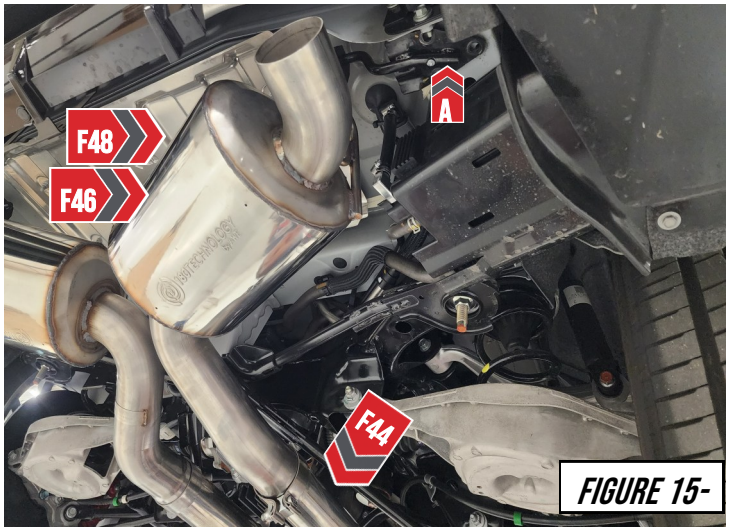


FIGURE 15-

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STEP 16

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.

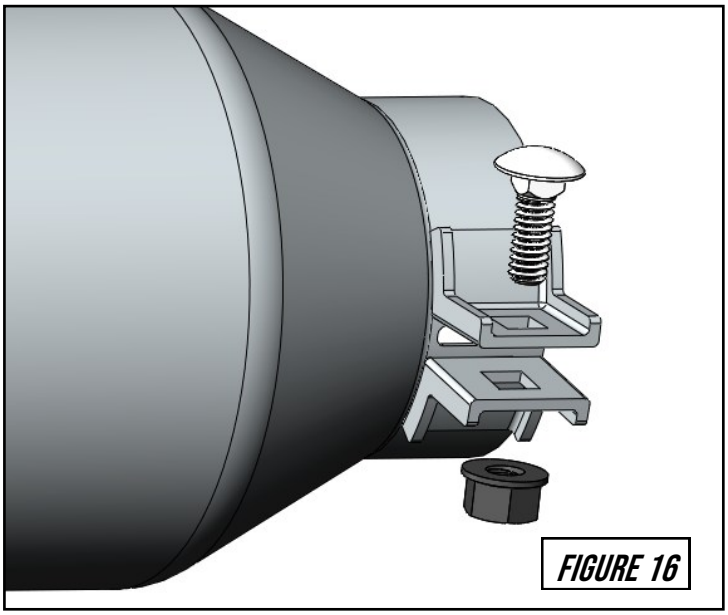


FIGURE 16

STEP 17

Gather and install your 2 AWE tips using the provided hardware, as shown in **Figure 17-1**, and **Figure 17-2**.

Do not fully tighten your tips at this time.

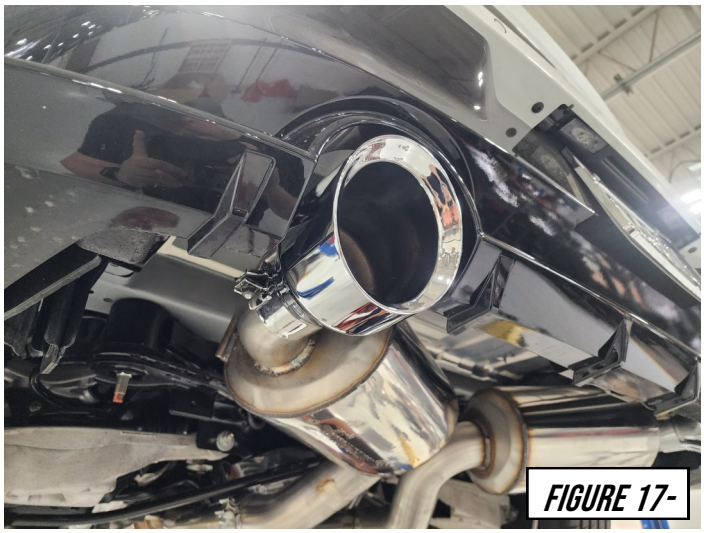


FIGURE 17-

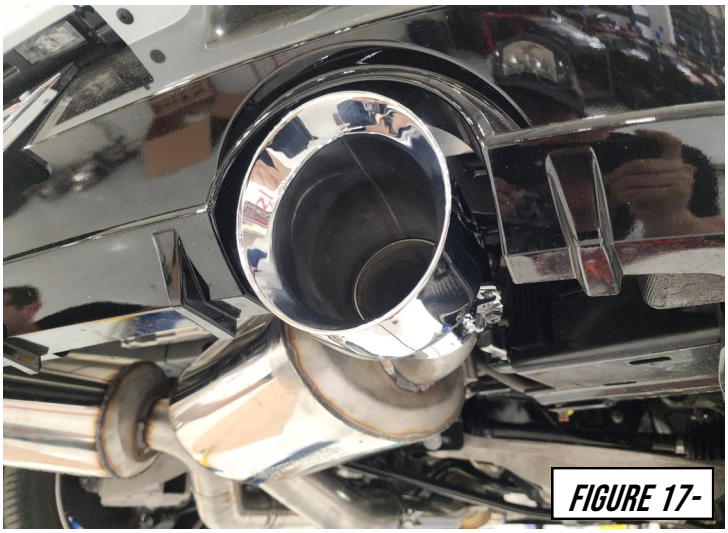


FIGURE 17-

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STEP 18

Make your final adjustments to the tips to ensure they are in a position you like. Once the desired positioning 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 to cool before work continues.

Check the tips for correct alignment, adjust as needed.

Don’t forget to see the next page for any troubleshooting needs!



FIGURE 18

ENJOY!

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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. 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**.

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