



INSTALLATION GUIDE: AWE OFG EXHAUST FOR SUBARU OUTBACK 2.4T

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:

3015-38246 AWE OFG Exhaust for Subaru Outback 2.4T - Dual BashGuards

Welcome to the AWE family, and congratulations on your purchase of the AWE Exhaust for the Subaru Outback BT.

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

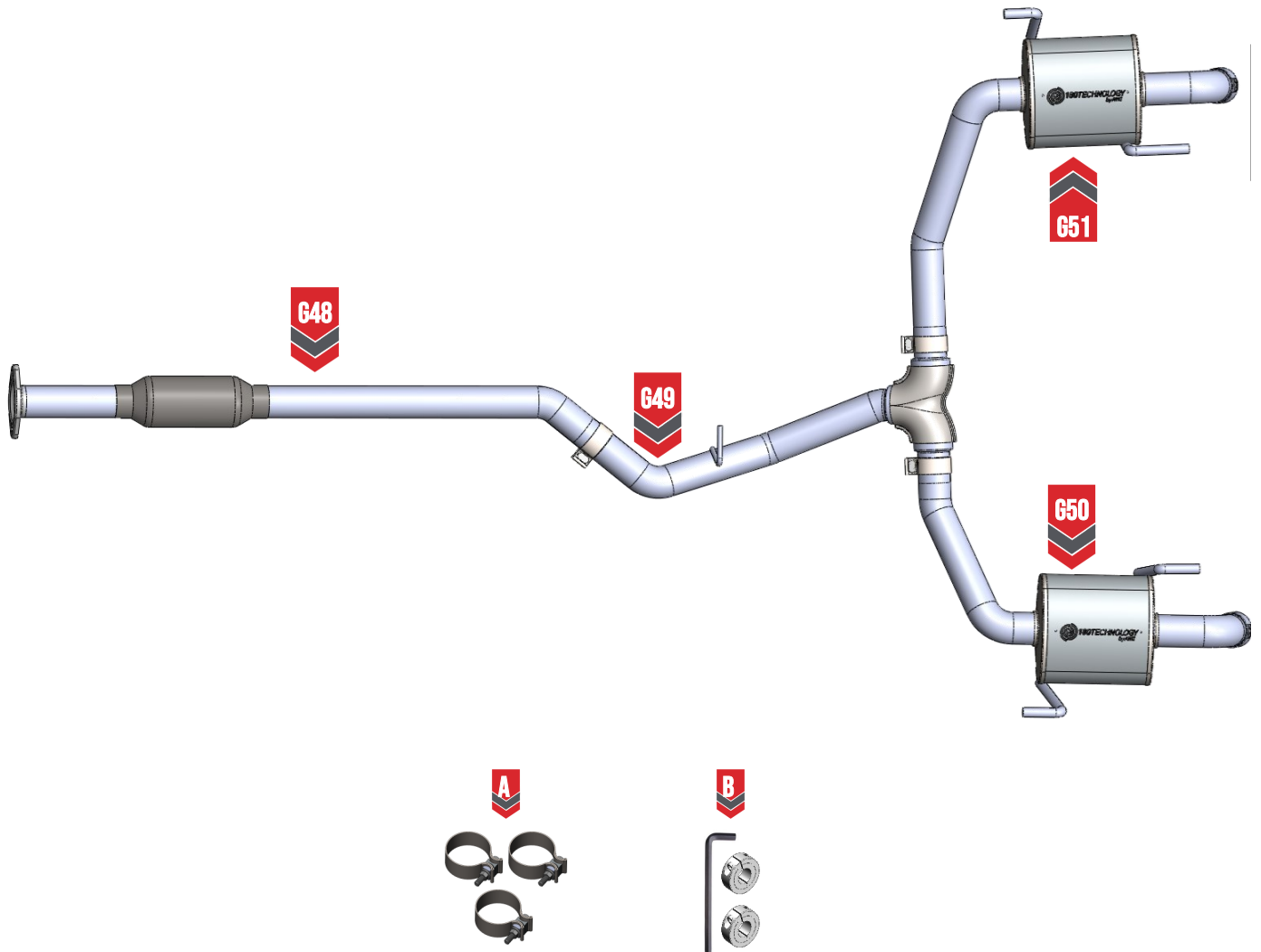
*For up to the minute fitment information, be sure to visit the AWE website. As always, AWE Performance Specialists are standing by for any questions, [right here](#).

PARTS LIST (SUBARU WRX VB 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
	G48	Subaru Outback BT 2.4T Resonated Front tube	1
	G49	Subaru Outback BT 2.4T Axle tube	1
	G50	Subaru Outback BT 2.4T DS HR tube	1
	G51	Subaru Outback BT 2.4T PS HR tube	1
A >>	180250	AWE 2.5" Band clamp, stainless	3
B >>	3910-11012	AWE 1/2" Split Collar Clamp Kit	1





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



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

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

1. To begin you will loosen the OE flange located at **(A)**. Set the OE hardware and donut gasket aside as they will be re-used.
2. Next remove the OE hardware, located at **(B)**. This hardware will not be re-used.
3. Remove the OE hanger bars from the OE rubber hangers, as shown at **(C)** one side at a time. This will allow you to remove each OE muffler section one side at a time.
4. Remove the OE hanger bar from the OE rubber hanger, as shown at **(D)**. This will allow you to fully remove the OE midpipe.

Note: The OE rubber hangers will be reused

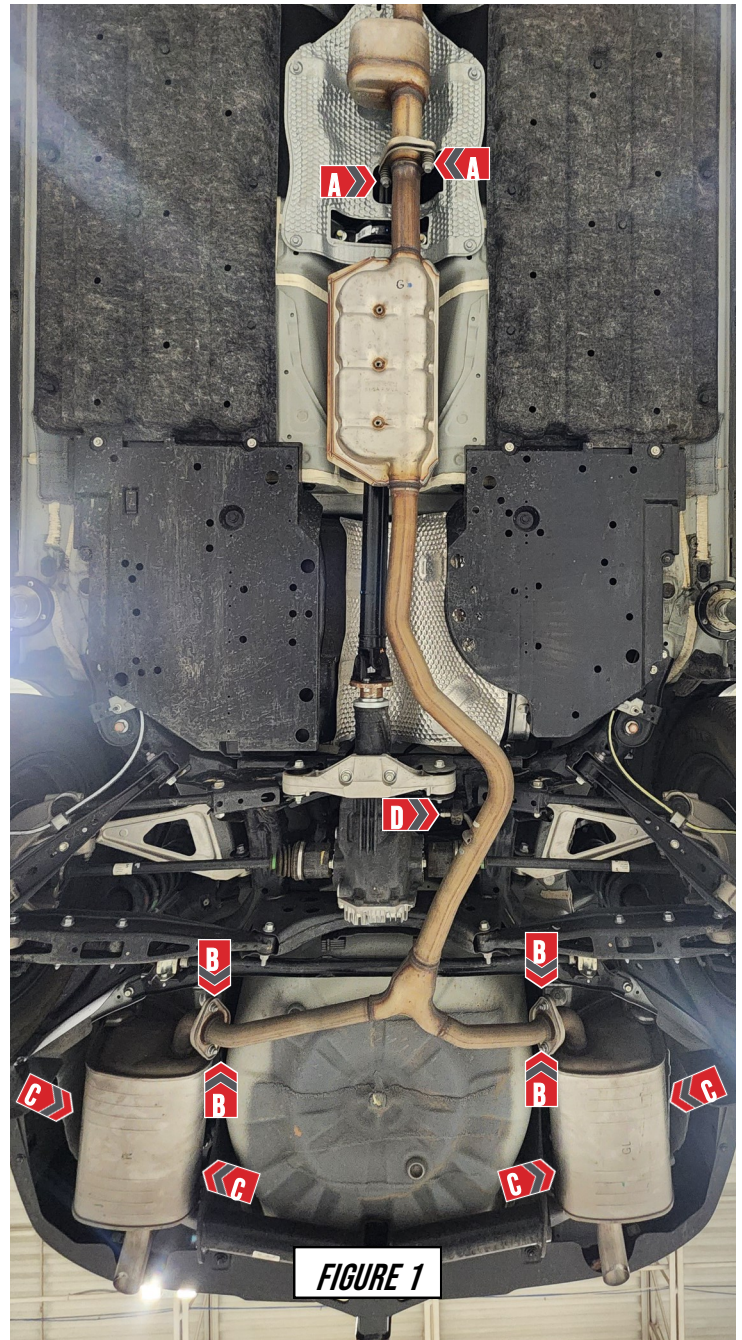


FIGURE 1

STEP 2

Begin by gathering your AWE resonated front pipe (G48), and the oe flange hardware removed in **Step 1**.

Now install your AWE front pipe (G48), as shown in **Figure 2**, with the outlet side pointed towards the driver side.

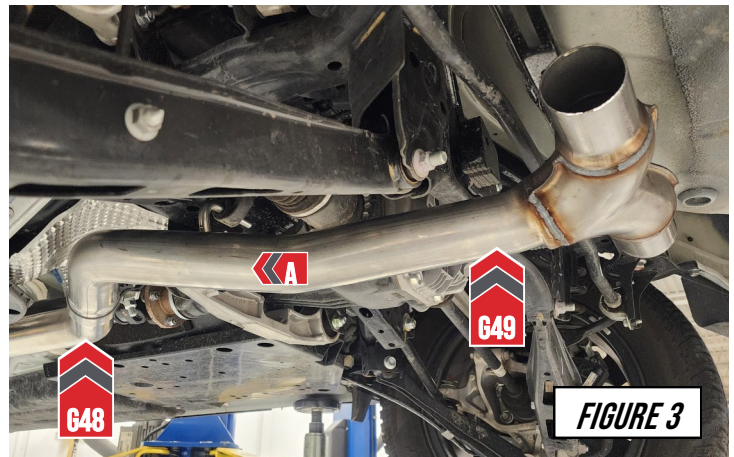
Fully tighten down the flange hardware at this time.



STEP 3

Next install your AWE axle tube (G49), and install it as shown in **Figure 3**.

First slide a provided clamp over the expanded inlet side of your axle tube, then bottom out the expanded slip fit on the outlet side of your resonator tube (G48)



STEP 4

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.

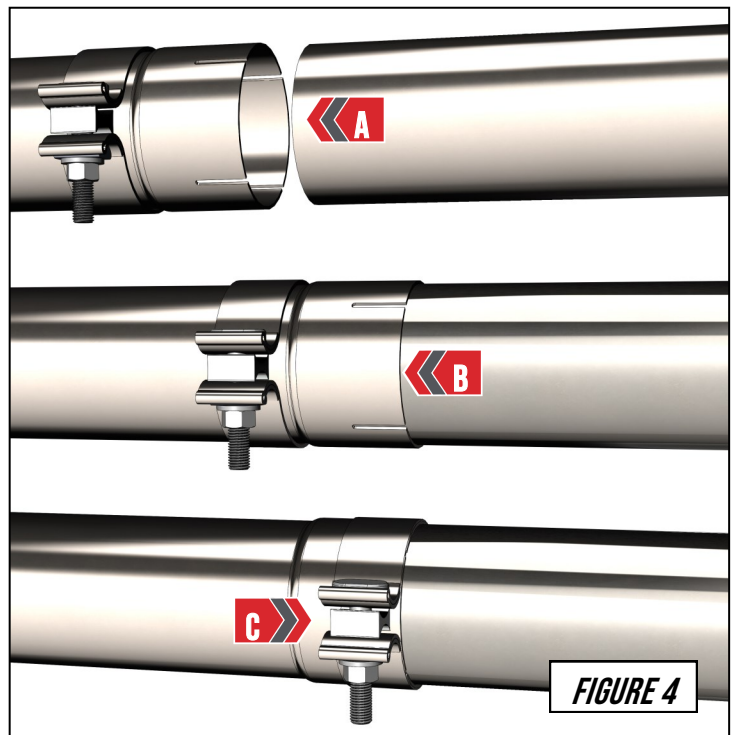
Arrow B shows the overlapping pipe installed correctly over the corresponding pipe.

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



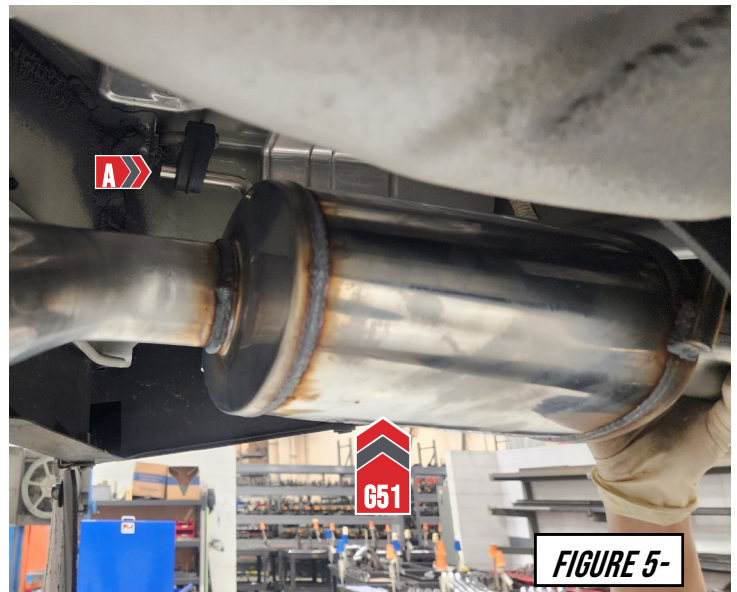
STEP 5

Now install your AWE passenger side HR tube (G51).

Do this by first sliding a clamp over the expanded slip fit, and then bottom out the slip fit on the passenger side outlet of your AWE axle tube, as shown in **Figure 5-1**.

Next rotate your AWE passenger side HR tube up to allow you to install the hanger bar into the OE hanger, as shown at (A) in **Figure 5-2**.

Lastly install the hanger bar into the rearmost hanger, as shown at (B) in **Figure 5-3**.



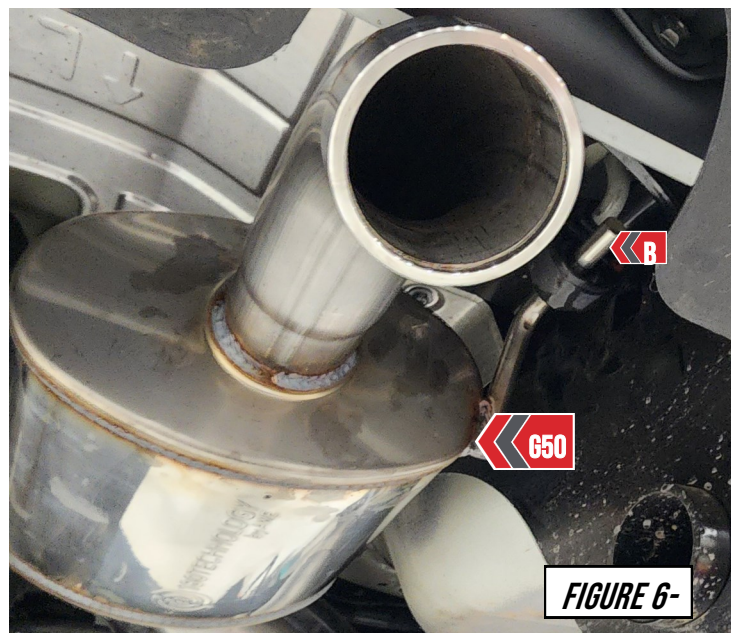
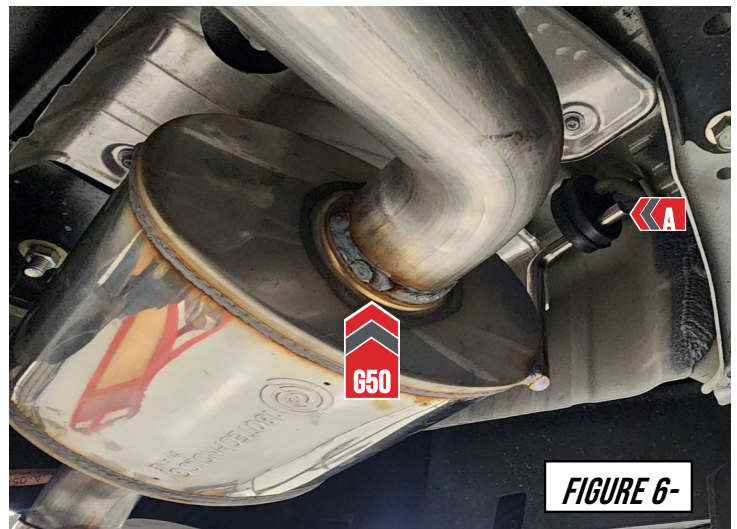
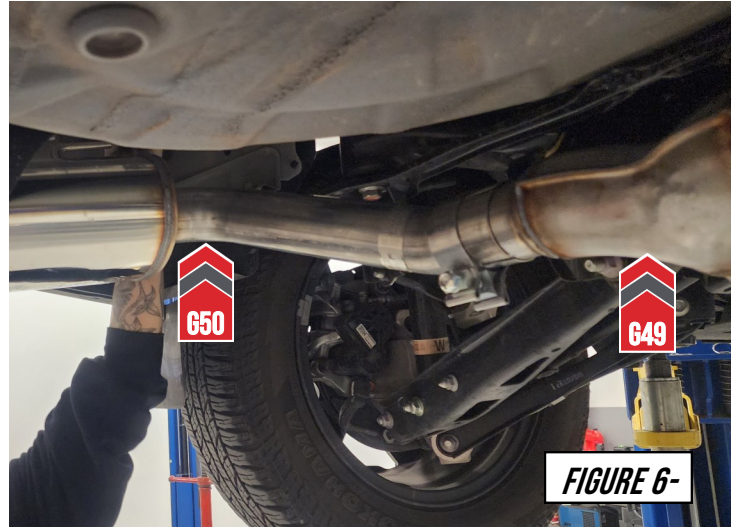
STEP 5

Now install your AWE driver side HR tube (G50).

Do this by first sliding a clamp over the expanded slip fit, and then bottom out the slip fit on the driver side outlet of your AWE axle tube, as shown in **Figure 6-1**.

Next rotate your AWE driver side HR tube up to allow you to install the hanger bar into the OE hanger, as shown at (A) in **Figure 6-2**.

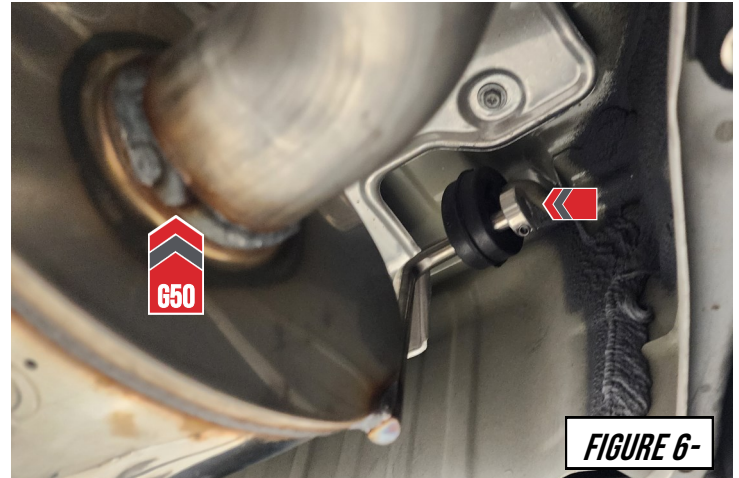
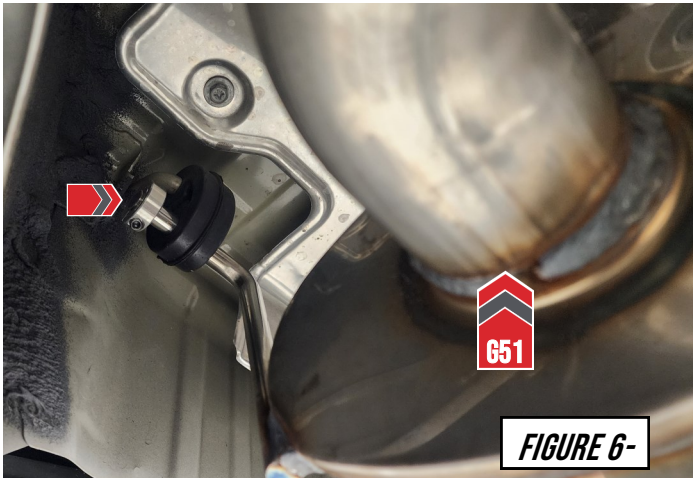
Lastly install the hanger bar into the rearmost hanger, as shown at (B) in **Figure 6-3**.



STEP 6

Lastly install your AWE lock collars, as shown in **Figure 6-1**, and **Figure 6-2**.


Install the lock collars flush on the end of the hanger bars close to the wheel wells as shown. This will allow for proper positioning as your system gets hot and expands.




STEP

Make your final adjustments to the bashguards 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!



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. If your exhaust system sits too low, check and ensure that your inlet section (E96) is oriented correctly, and you may need to rotate your resonator section (E97).
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](#).