



## INSTALLATION GUIDE: AWE FORD RANGER EXHAUST

THIS PRODUCT IS INTENDED FOR THE FOLLOWING VEHICLES\*:

YEAR	MAKE	MODEL	SUBMODEL	ENGINE
2019+	Ford	Ranger	SuprCrew / SuperCab	2.3L Turbo

THIS GUIDE IS INTENDED FOR THE FOLLOWING PART NUMBERS:

3015-22072	AWE 1FG Exhaust with Crawler Conversion for Ford Ranger - Dual Chrome Silver Tips
3015-23064	AWE 1FG Exhaust with Crawler Conversion for Ford Ranger - Dual Diamond Black Tips

Welcome to the AWE family, and congratulations on your purchase of the AWE Exhaust system for the Ford Ranger.

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

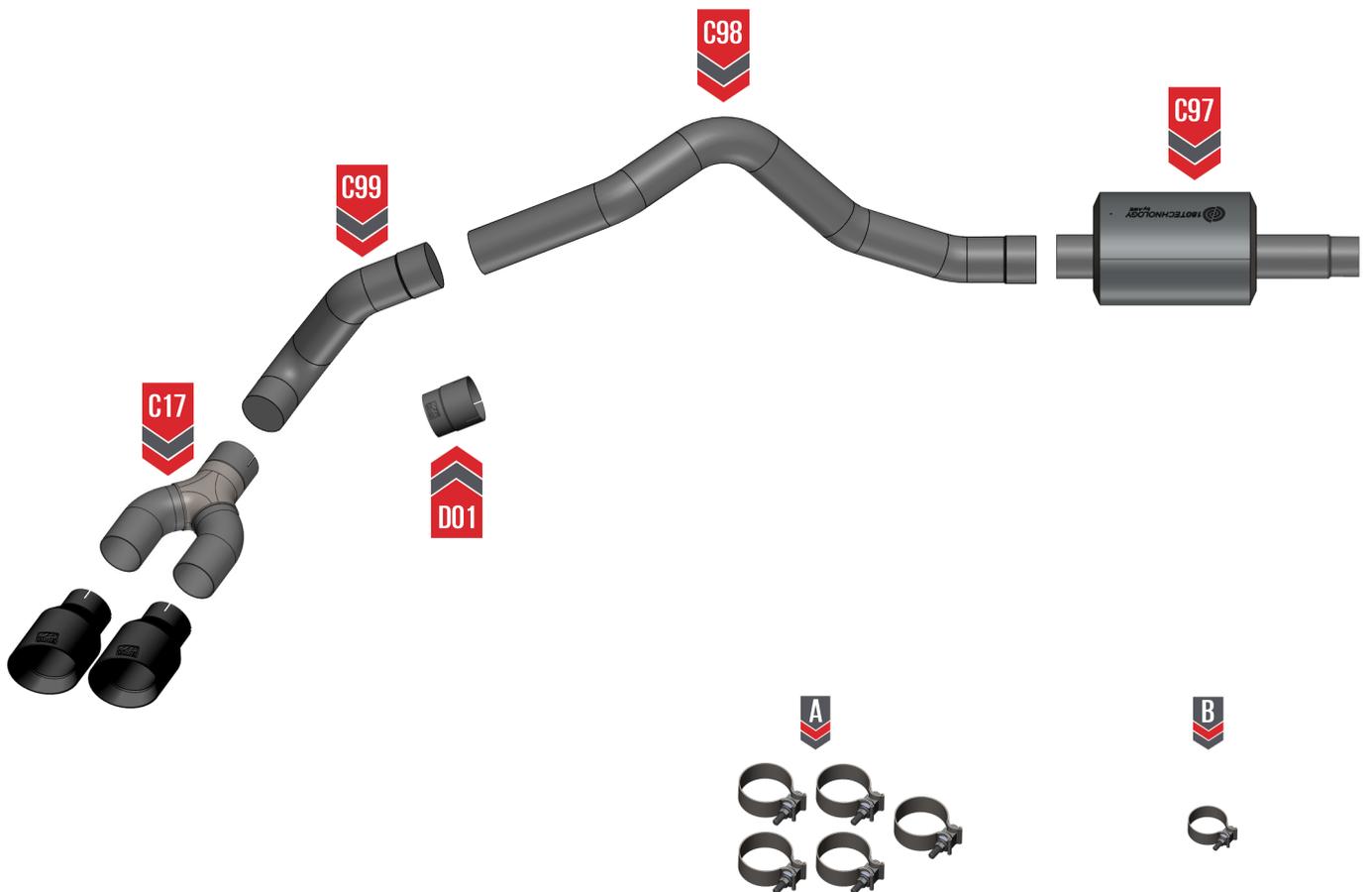
\*For up to the minute fitment information, be sure to visit the AWE website. As always, AWE Performance Specialists are standing by for any questions, [right here](#).

# PARTS LIST (TOURING SYSTEMS)



**INSPECT ALL PARTS PRIOR TO DISASSEMBLY OF VEHICLE; IF DAMAGED OR MISSING, PLEASE CONTACT THE PLACE OF PURCHASE IMMEDIATELY.**

Symbol	Part Number	Description	QTY
	C97	T6 Ranger inlet section	1
	C98	T6 Ranger over axle tube	1
	C99	T6 Ranger tip outlet bend	1
	D01	T6 Ranger crawler tip	1
	C17	Rear outlet merge	1
<b>A</b> >>	390300	3" exhaust clamp	5
<b>B</b> >>	390250	2.5" exhaust clamp	1
	61000488-ETCH (Black) or 61000455-ETCH (Chrome)	77mm inlet 114mm outlet side logo exhaust 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.

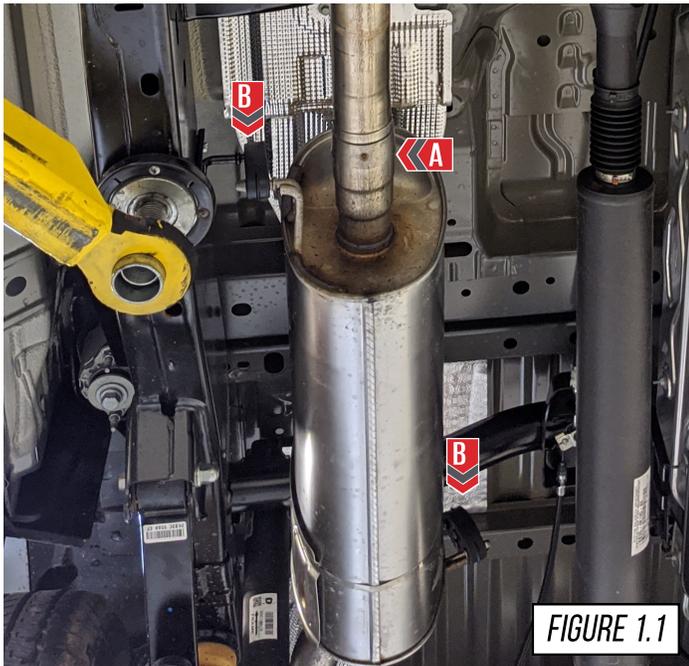
## STEP 1

**A** To begin, locate the clamp located directly in front of the OEM muffler and loosen the bolt.

**B** Remove the muffler section hanger bars from the rubber grommets.

**C** Remove the rear hanger from the hanger bracket or remove the entire bracket

The factory exhaust can now be removed



## STEP 2

Install the 180 Technology® inlet section (**C97**) by sliding the 2.5" exhaust clamp over the smaller diameter end installing that end over the factory exhaust section as shown in **Figure 2.1**. Insert the AWE hanger bar into the OEM hanger bar grommet as shown in **Figure 2.2**.



## STEP 3

It is crucial to install each section and exhaust band clamp correctly to prevent loose joints, exhaust leaks between the tubing connections or rattles.

**Arrow A** in **Figure 3** shows the expanded pipe and the preinstalled exhaust band clamp being brought up to the corresponding pipe.

**Arrow B** in **Figure 3** shows the overlapping expanded end installed correctly over the corresponding pipe.

**Arrow C** in **Figure 3** shows the band clamp being brought to the edge of the expanded pipe.



### NOTES:

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

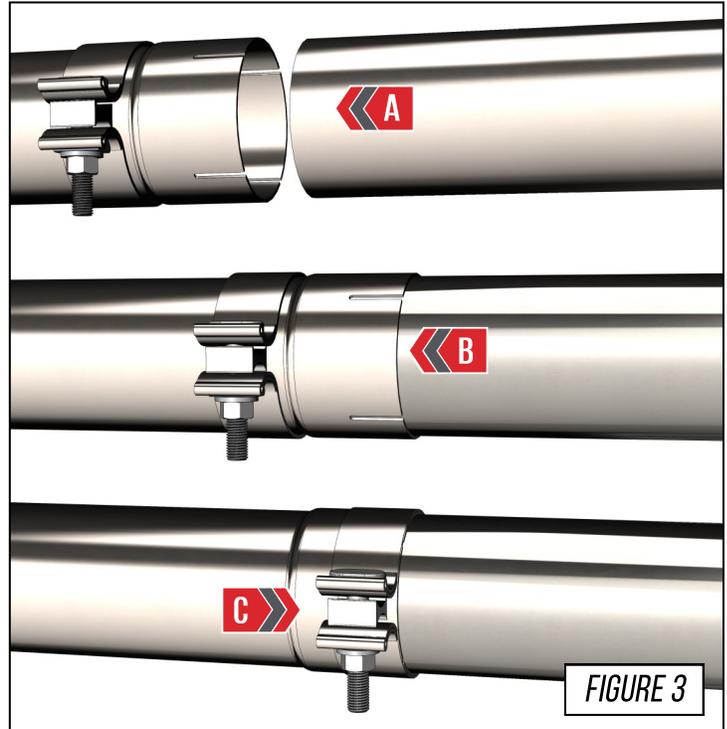
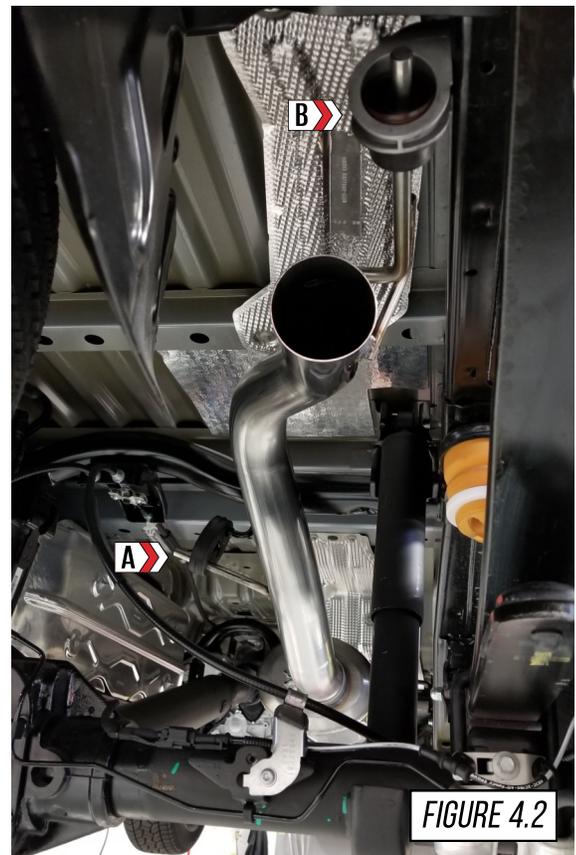
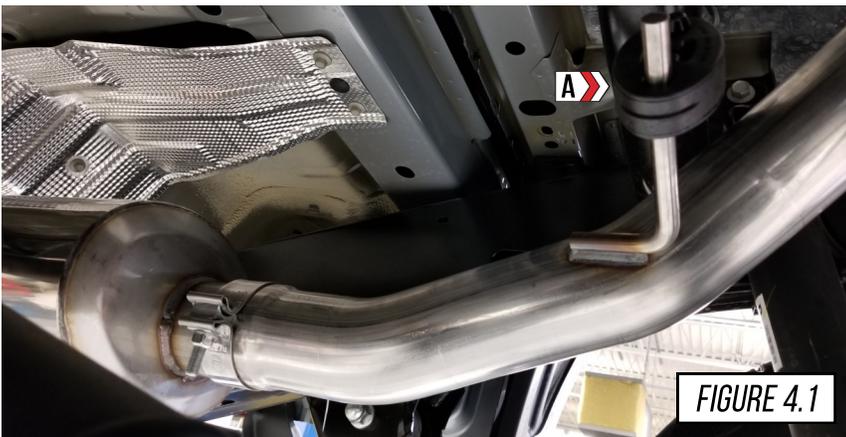


FIGURE 3

## STEP 4

Over axle tube **C98** is the next part to be installed. Slide a 3" exhaust clamp over the expanded end and connect it with the AWE inlet section

Insert the two AWE hanger sections shown by the **Arrows A and B** in **Figure 4.1** and **Figure 4.2**



## STEP 5

Next, slide another 3" clamp over the **C99** tip outlet tube and attach that to the previously installed **C98** section.



## STEP 6

The **C17** merge is next and is installed the same way as the previous parts. Slide a 3" exhaust clamp over the expanded inlet end before sliding the part over the **C99** tip outlet tube.



The **C17** tip merge is symmetrical so top vs bottom orientation does not matter

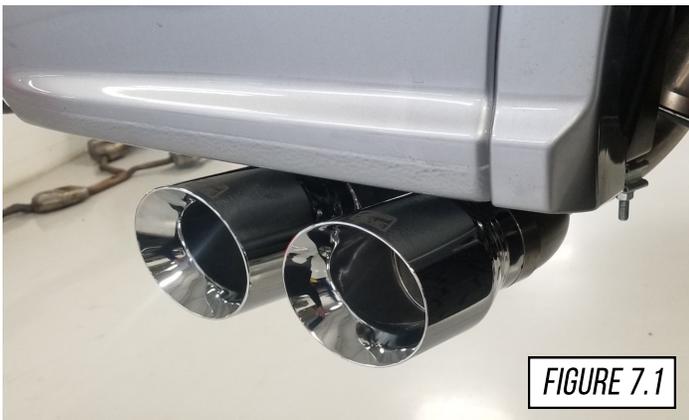


## STEP 7

To install the exhaust tips, use the remaining two 3" exhaust clamps and slide them onto the tip merge before installing the exhaust tips.



Exhaust tips should be installed with the logo pointing up and the slash-cut edge of the tip running parallel with the edge of the bumper. Since the tip merge is symmetrical, one tip will be seated slightly deeper on the tip merge.



## STEP 8

Go through and adjust the joints so the slip fit joints are fully bottomed and there are no gaps. Confirm there is no contact to any braces, heat shielding or the chassis of the vehicle

When the exhaust is in the correct orientation, tighten all exhaust clamps to a **minimum of 60 ft-lbs** and the installation is complete.

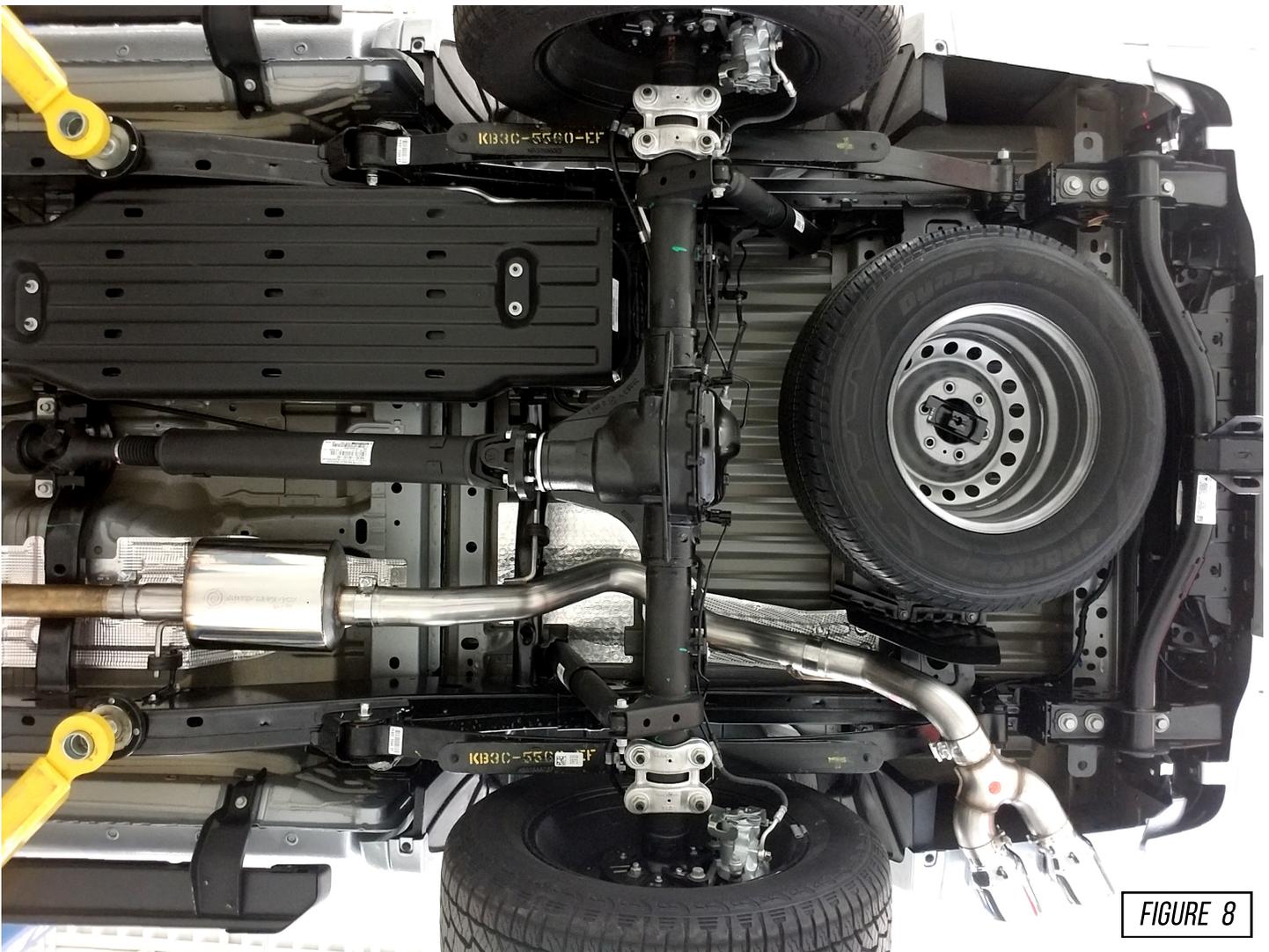


FIGURE 8

## ENJOY!



# CRAWLER TIP INSTALLATION

## STEP 9

For the crawler tip installation, start by loosening the clamp at **Arrow A** in **Figure 9** in order to remove **C98** and **C99** together.



## STEP 10

Install The crawler tip (**D01**) using the clamp removed in step 8. The expanded end of **D01** will slip over the **C97** over-axle tube.

Use anti-seize on the bolt threads and tighten to a **minimum** of 60 ft-lbs.



## 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.
Wrong 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.
My clamp broke	Visit <a href="http://clampcorner.com/">http://clampcorner.com/</a> to get a replacement. Use the parts page of these instructions to confirm the part numbers or sizes for your replacement clamps

## 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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Horsham, PA 19044  
215-658-1670  
[CONTACT FORM](#)

## WARRANTY

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