



Installation Instructions

717999

2020-2023 Ford Explorer ST
 2020-2023 Lincoln Aviator
 With 3.0L EcoBoost Engine

Installation requires moderate mechanical skill. If this job is beyond your abilities, seek the services of a qualified technician.

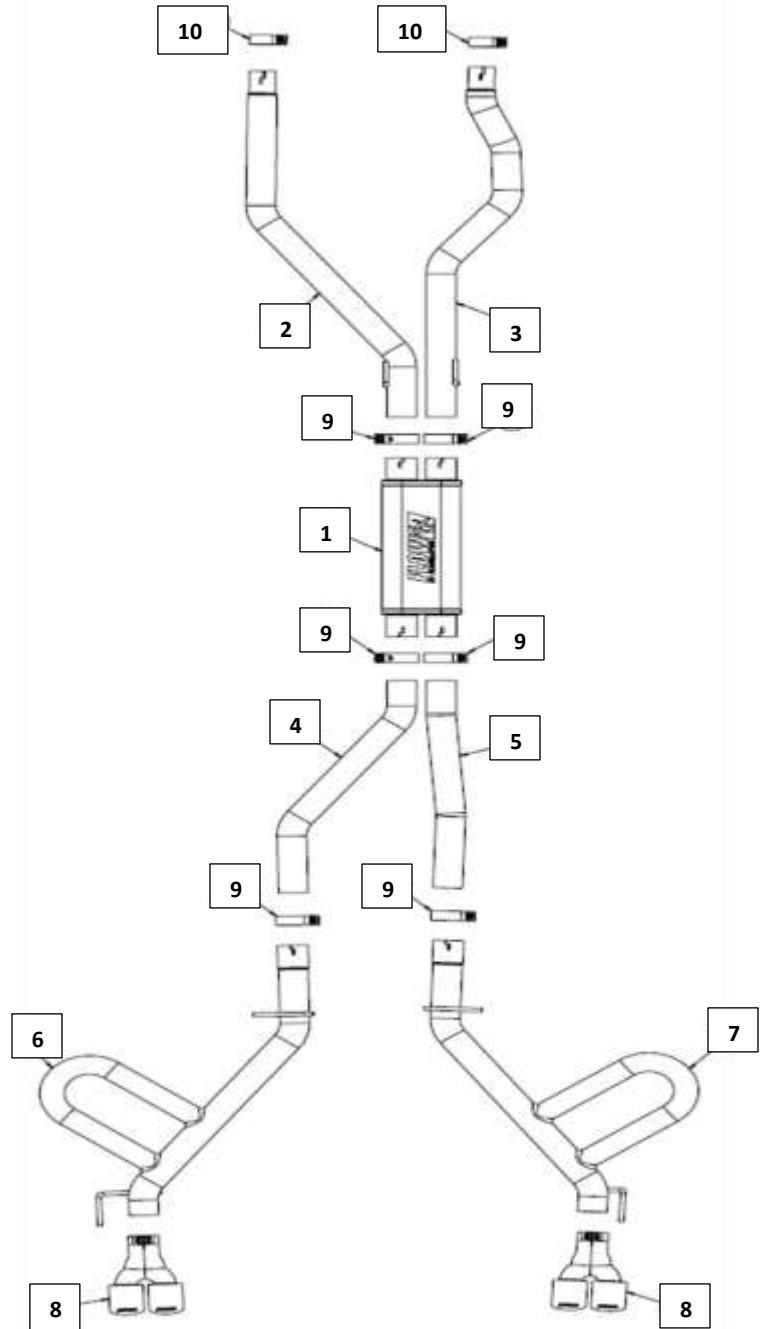
If you do not understand any part of these instructions, please call Flowmaster Technical Support at (866) 464-6553 for assistance.

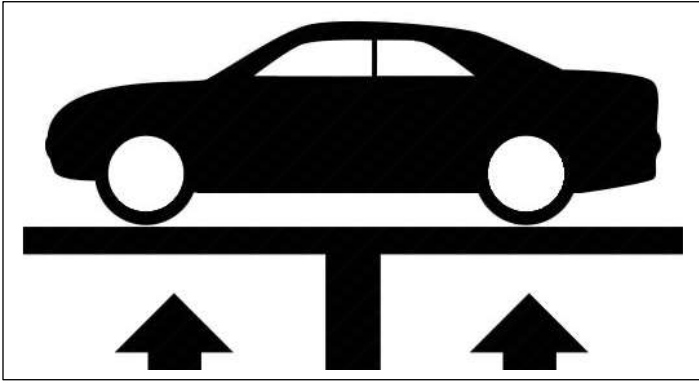
Apply penetrating oil generously to clamps, fasteners, pipes, and hanger rods for ease of disassembly.

REVIEW THE INSTRUCTIONS & VERIFY THE KIT CONTENTS

Take a moment to read and understand these instructions before installing your Flowmaster exhaust kit.

ITM#	Part #	Description	Qty.
1	72469-Z	Muffler	1
2	26920M	Inlet Pipe Left	1
3	26921M	Inlet Pipe Right	1
4	26922M	Left Muffler Outlet Pipe	1
5	26923M	Right Muffler Outlet Pipe	1
6	26924M	Left Tailpipe	1
7	26925M	Right Tailpipe	1
8	ST521B	Black Tip	2
9	MC300BS	3" Band Clamp	6
10	MC250BS	2.5" Band Clamp	2





Vehicle Compatibility

Model Year: 2020-2023

Make: Ford Explorer ST / Lincoln Aviator

Engine: 3.0L EcoBoost

BEFORE STARTING:

Your vehicle must be raised a minimum of 18 inches. A floor hoist is ideal. If no hoist is available, we strongly urge the use of axle stands as a safety measure. **Please read and understand these instructions and disclaimer in their entirety before attempting installation.**

CAUTION! WORK ONLY ON A SOLID, LEVEL SURFACE. USE JACKS /JACK STANDS OF SUFFICIENT CAPACITY TO LIFT AND SUPPORT YOUR VEHICLE. NEVER WORK UNDER A VEHICLE SUPPORTED BY A FLOOR OR BUMPER JACK.

Removing the OEM Exhaust.

NOTE: Cutting the factory tailpipes just after the center resonator will simplify the removal of the factory exhaust **Fig.1**, but is not necessary. Have a second or third person available to help with removing the exhaust, if cutting the pipes is not an option. The muffler and tailpipe assembly is one large piece and can be difficult to handle.

*Apply Penetrating oil to the (x2) 15mm nuts at the mid pipe clamps **(A)**, (x2) 15mm nuts at the muffler clamps **(B)**, center resonator rubber isolators, **(C)** **Fig.1** and each rubber hanger on the tailpipes.

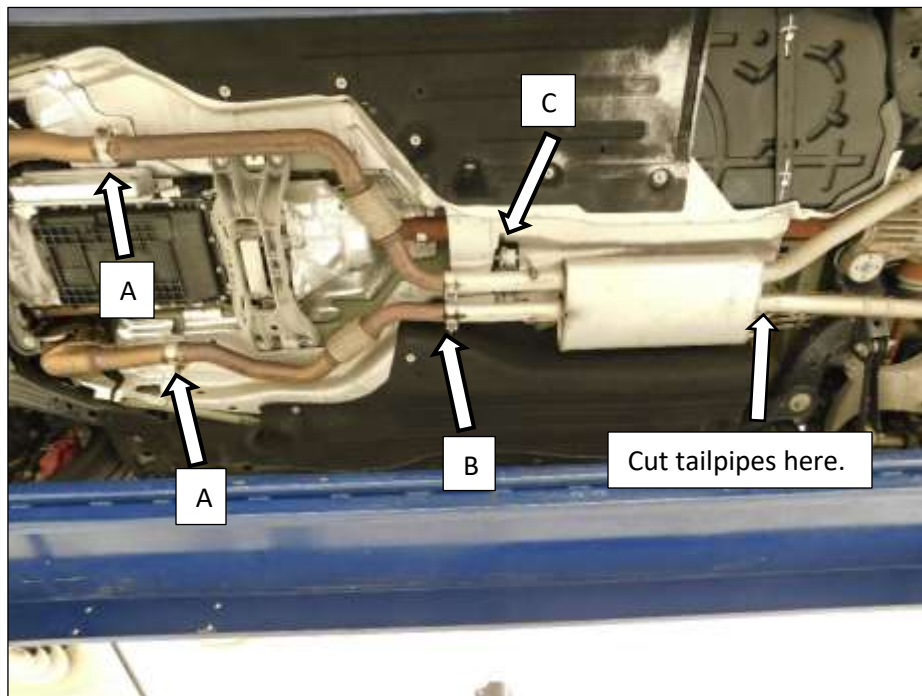


Figure 1

1. Remove the M8 bolt attaching the left and right muffler hanger to the frame rail just above the tips. **Fig.2 (D)**. Do not unhook the hanger assembly from the frame rail.
2. Cut the left and right tailpipe just after the muffler assembly and support the tailpipe. **Fig.3**
3. Apply penetrating oil to the rubber tailpipe isolators and remove the isolators. **Fig.3 (E)**

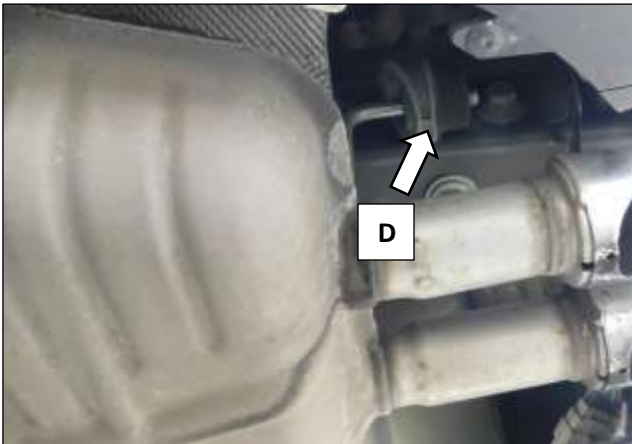


Figure 2

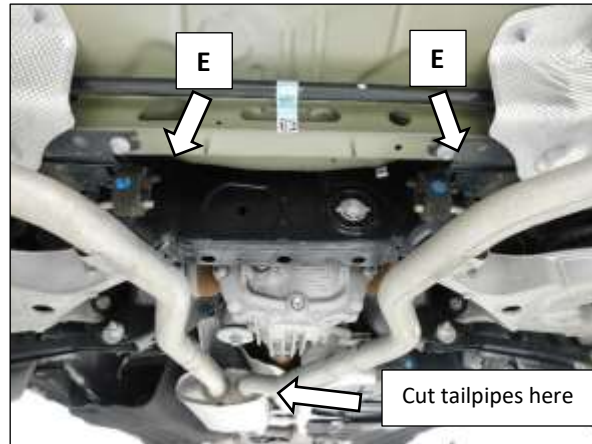


Figure 3

4. Remove the left and right muffler hanger from the frame rail by lifting slightly and rotating the assembly on the hanger rod away from the frame rail. Remove the muffler and tailpipe from under the vehicle.
**** Keep the Left and Right Muffler Isolator assemblies separated - "they are specific left and right".**

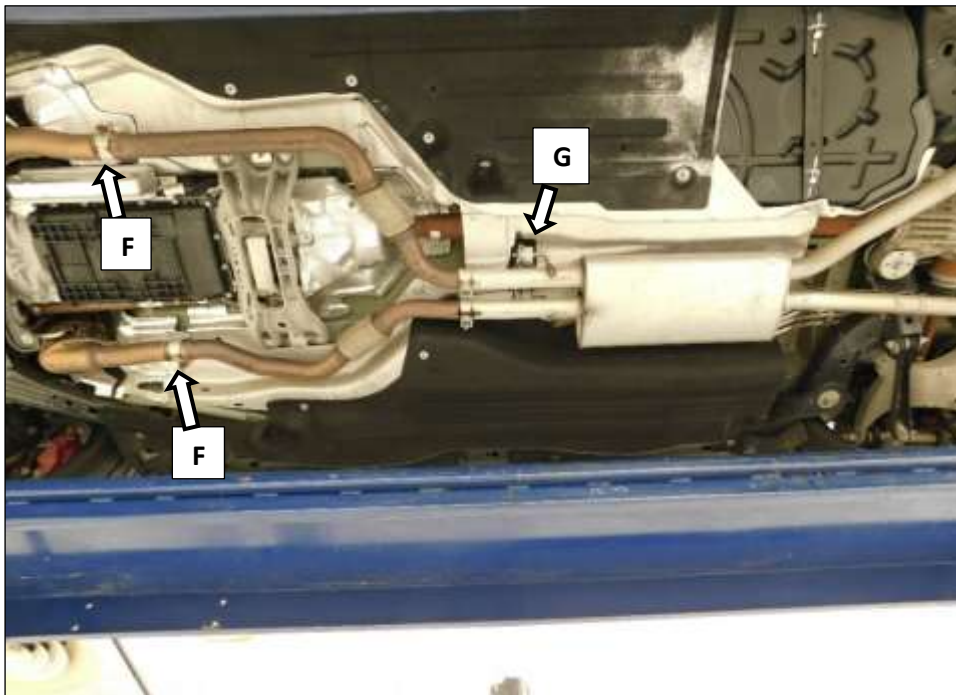


Figure 4

5. Loosen the 15mm nut on the band clamps at the mid pipes (**F**), and apply penetrating oil liberally to the slip joint.
6. Remove the center resonator and mid pipe assembly by sliding the assembly rearward, until the hanger rods are clear of the isolators (**G**) and the mid pipes are clear of the catalytic converter pipes. **Fig.4**

INSTALL YOUR FLOWMASTER EXHAUST SYSTEM



Before installing clamps in the following steps, remove their nuts, apply anti-seize compound to the bolt threads, and re-install the nuts.

1. Install a supplied 2.5" band clamp **(10)** on to the reduced and notched end of the left and right muffler inlet pipes **(2)(3)**. Position the clamp with the bolt on the outside of the pipe and the nut facing towards the ground. **Fig.5**

IMPORTANT: Be sure the clamp is fully installed on to the pipe and completely covering the narrow notch in the pipe to prevent exhaust leaks. The larger square notch at the opening of the pipe will remain uncovered and allow the alignment pin to index the pipe to the catalytic converter.

2. Install the Left Inlet pipe **(2)** and Right Inlet pipe **(3)** on to the pipe from the catalytic converter, while also aligning the hanger rods with the isolator assembly at the center of the car. Align the square notch with the alignment pin on the catalytic converter pipe and insert the pipe fully, until the pin is bottomed in the square notch. Tighten the clamps to allow for adjustment. **Fig.5**

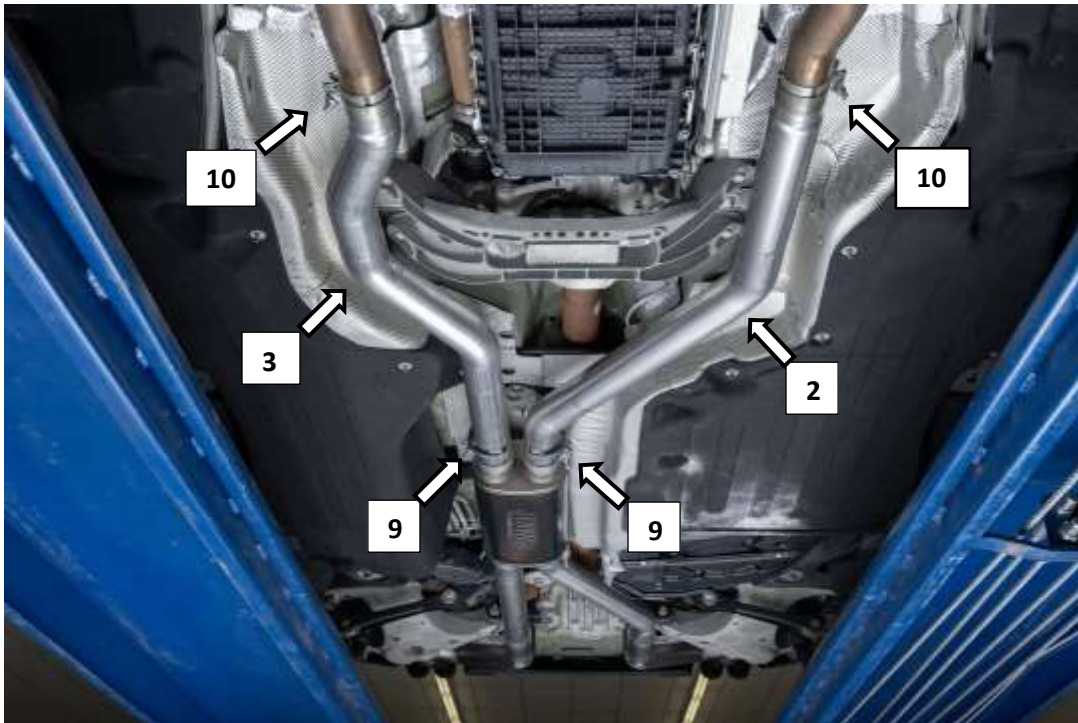


Figure 5

3. Install a supplied 3 inch band clamp **(9)** on to the outlet end of the left and right muffler inlet pipes **(2)(3)**. Position the clamp with the bolt on the outside of the pipe and the nut facing towards the ground.

4. Install the muffler (1) with the logo reading front to back on to the muffler inlet pipes (2)(3), slip the 3 inch band clamps (9) from the muffler inlet pipes on to the muffler inlets. Align the muffler even with the heat shield left side edge and level. Tighten the band clamps and support the muffler. **Fig.6**
5. Install a 3 inch band clamp (9) over each muffler outlet with the bolts to the outside and the nuts facing down. **Fig.6**

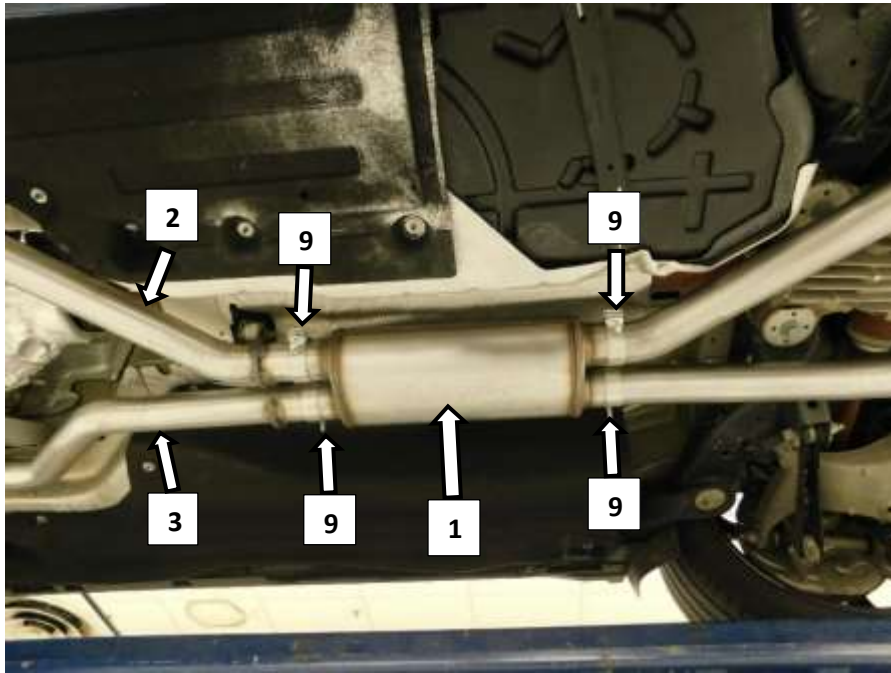


Figure 6

6. Install the Left and Right Muffler outlet pipes (4) (5) with the short Straight ends of the pipes into the muffler. Align the pipes approximately 3 Inches below the axle. Tighten the clamps (9) to allow for adjustment. **Fig.7**

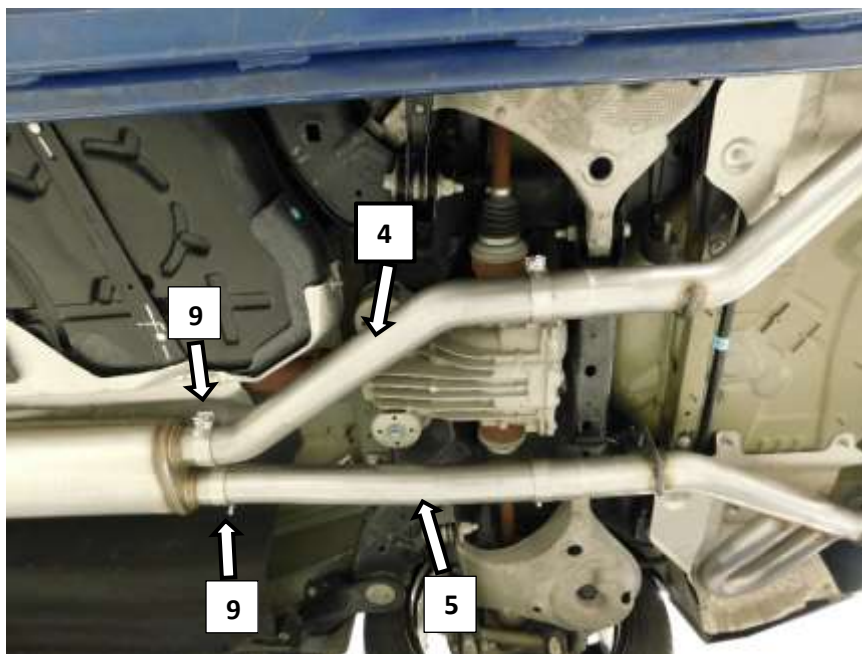


Figure 7

7. Install a 3 inch band clamp (9) on to each left and right tailpipe assembly (6) (7) expanded end with the bolt to the outside and the nut facing down. **Fig 8 & 9**
8. Install the left tailpipe expanded end on to the left muffler outlet pipe. **Fig.9**
9. Install the rubber tailpipe isolator on to the tailpipe hanger rod and the vehicle at the same time. **Fig.9**
10. Install the left muffler hanger assembly on to the tailpipe hanger rod with the rubber facing the rear of the car and the metal hook on the muffler hanger body facing the frame rail. **Fig.10**
11. Rotate the tailpipe into position and hook the muffler hanger on to the frame rail and install the 8mm bolt. **Fig.10**
12. Repeat steps 8-11 for the right tailpipe assembly, tighten the clamps to allow for adjustment.

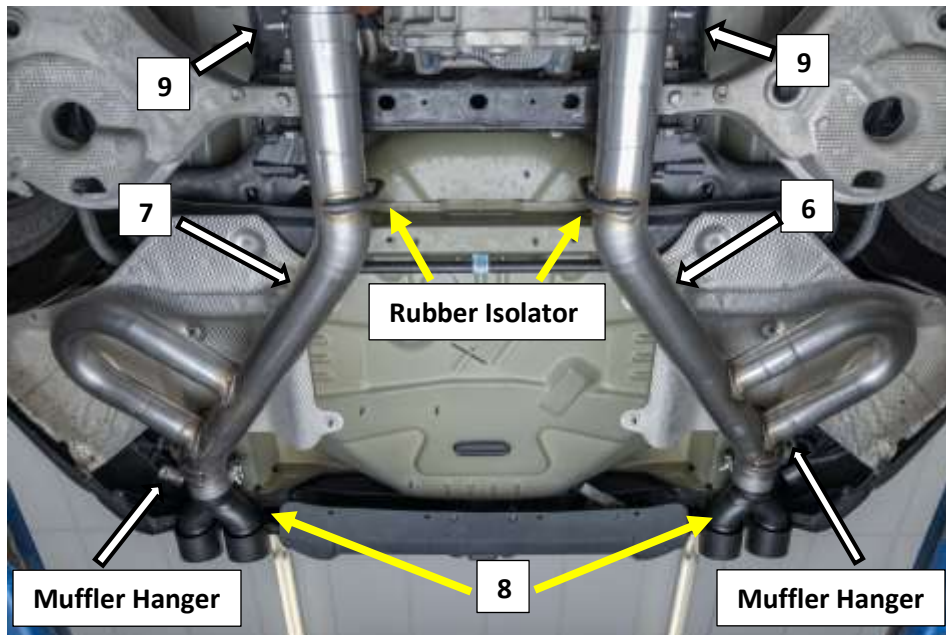


Figure 8

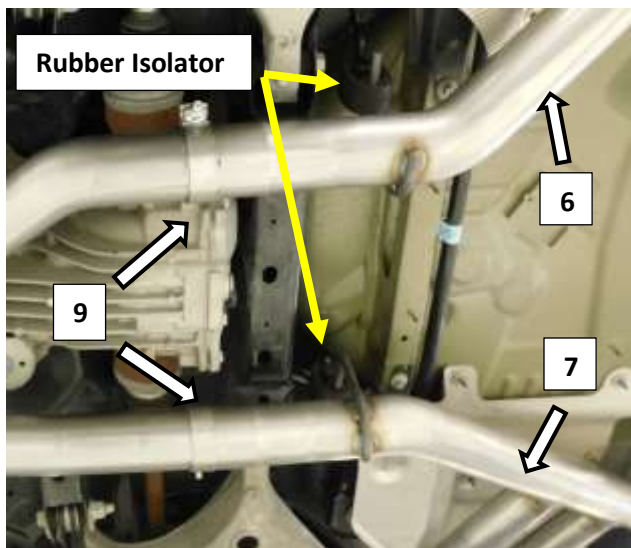


Figure 9

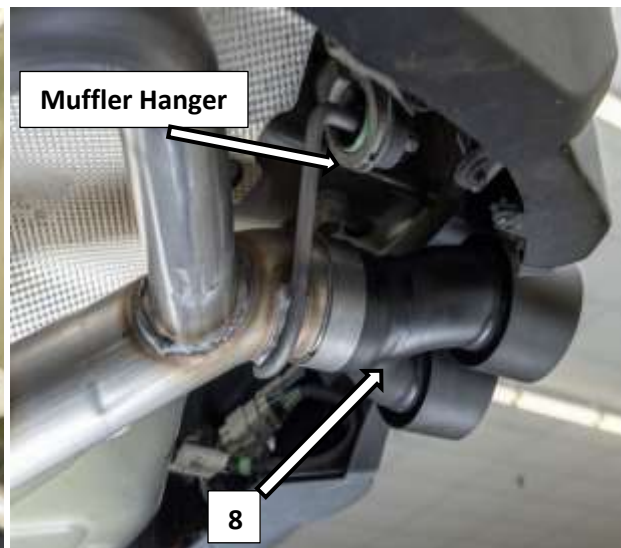


Figure 10

13. Install the supplied Black Tips (8) on to the ends of the tailpipes. **Fig. 8 & 10**

14. Adjust the system for best component clearance and overall fitment. Start at the front of the system and work towards the rear of the vehicle, tightening the clamps and hardware as you go.

NOTE: Inspect the welds circled below on the outlet pies of the catalytic converters for cracks or signs of exhaust leaks. This is a reported problem with the 3.0L Eco boost engine and should be addressed with your local Ford dealer.



Installation complete



Enjoy your Flowmaster Exhaust!