



# Installation Instructions

## 818161

2024-2025 Ford Mustang GT

5.0L Engine

Coupe or Convertible

Without Active-Valved Exhaust



Installation requires cutting the OEM exhaust and 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.

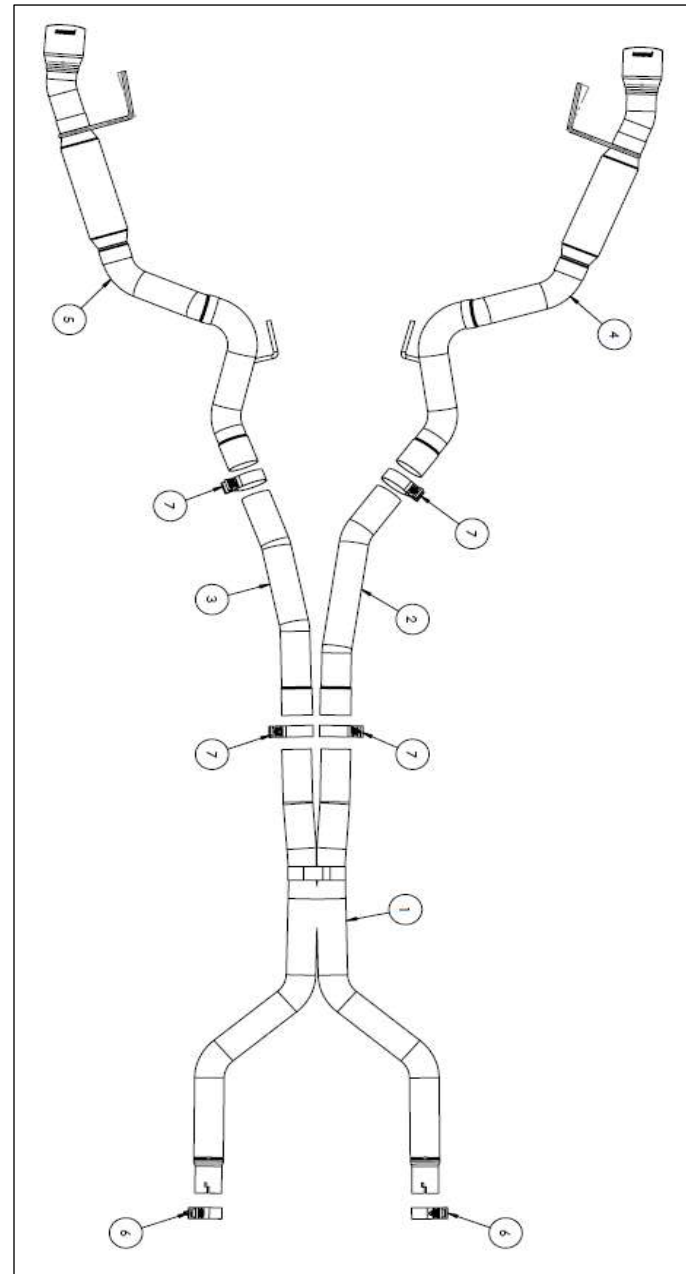
Apply penetrating oil generously to clamps, fasteners, pipes, and hanger rods for ease of disassembly.

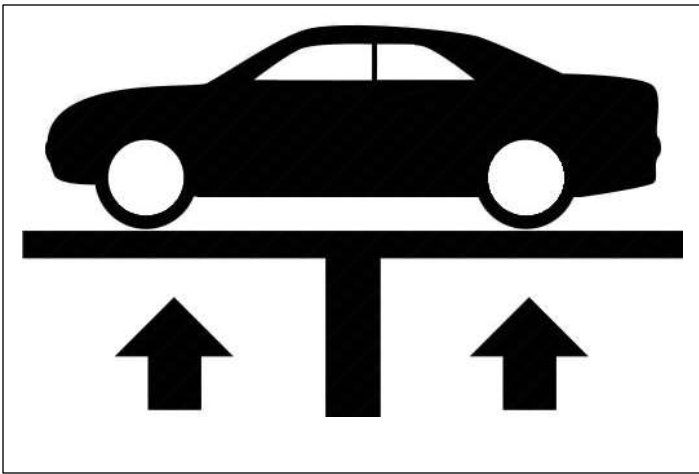
### REVIEW THE INSTRUCTIONS & VERIFY THE KIT CONTENTS

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

ITM#	Part #	Description	Qty.
1	26701S	Scavenger Pipe Assembly	1
2	26948S	Left Mid Pipe	1
3	26949S	Right Mid Pipe	1
4	815430-616	Left Muffler Assembly Black Tips	1
5	815430-617	Right Muffler Assembly Black Tips	1
6	MC250BS	2.5" Stainless Band Clamp	2
7	MC300BS	3.0" Stainless Band Clamp	4

Use the parts drawing and list to identify components and verify your kit's contents. In the unlikely event that any parts are missing, please contact Flowmaster Technical Support for replacements.





## Vehicle Compatibility

Model Year: 2024-2025  
Make: Ford Mustang GT  
Engine: 5.0L V8

- For vehicles originally equipped with Standard “Non-Valved” exhaust.
- Will not fit Active Performance Exhaust rear valance with quad tips.

### BEFORE STARTING:

Raise the vehicle to a minimum of eighteen 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 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 exhaust is necessary. Please read and follow all instructions before attempting to install this exhaust system.

1. Apply penetrating oil to each rubber hanger on the exhaust.
2. Remove the rear cover and mounting bracket as shown in **Fig. 1 & 2.**

**NOTE:** Convertible vehicles will need to remove left and right brace bars from the vehicle.



Figure 1

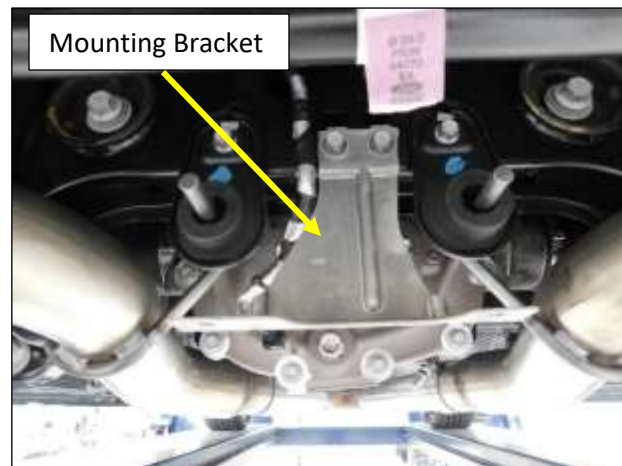
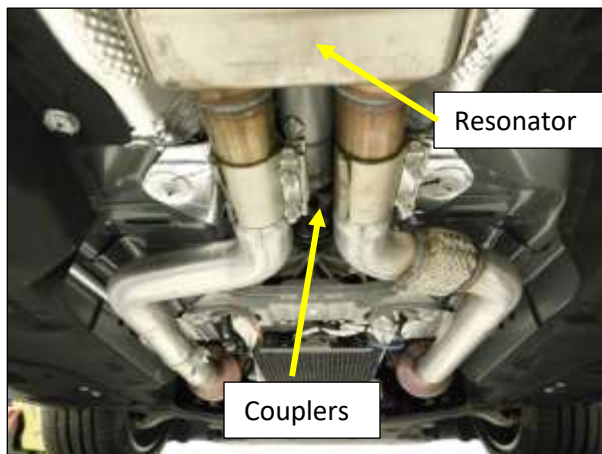


Figure 2

## Removing the OEM Exhaust Continued:

**NOTE:** The factory exhaust is one large, welded assembly from the resonator back to the mufflers. It will require two additional helpers capable of handling the weight of the exhaust to remove the assembly safely as one piece and prevent possible injury to yourself or damage to the vehicle. If additional help is not available, use the alternate procedure to cut the exhaust and remove as 3 pieces, as outlined on the next page.

3. Support the center resonator with a jack stand.
4. Loosen the 15mm nuts on the couplers at the resonator inlet pipes (**Fig. 3**).
5. Remove the tailpipe hanger mounting bolts, but do not remove the hangers (**Fig. 4**).
6. Remove the (x2) bolts from the muffler hanger mounts directly over the mufflers and support the mufflers.
7. Remove the muffler hangers from the frame rail by lifting the muffler to unhook the hanger catch and rotate the hanger away from the frame (continue to support the muffler).



**Figure 3**



**Figure 4**

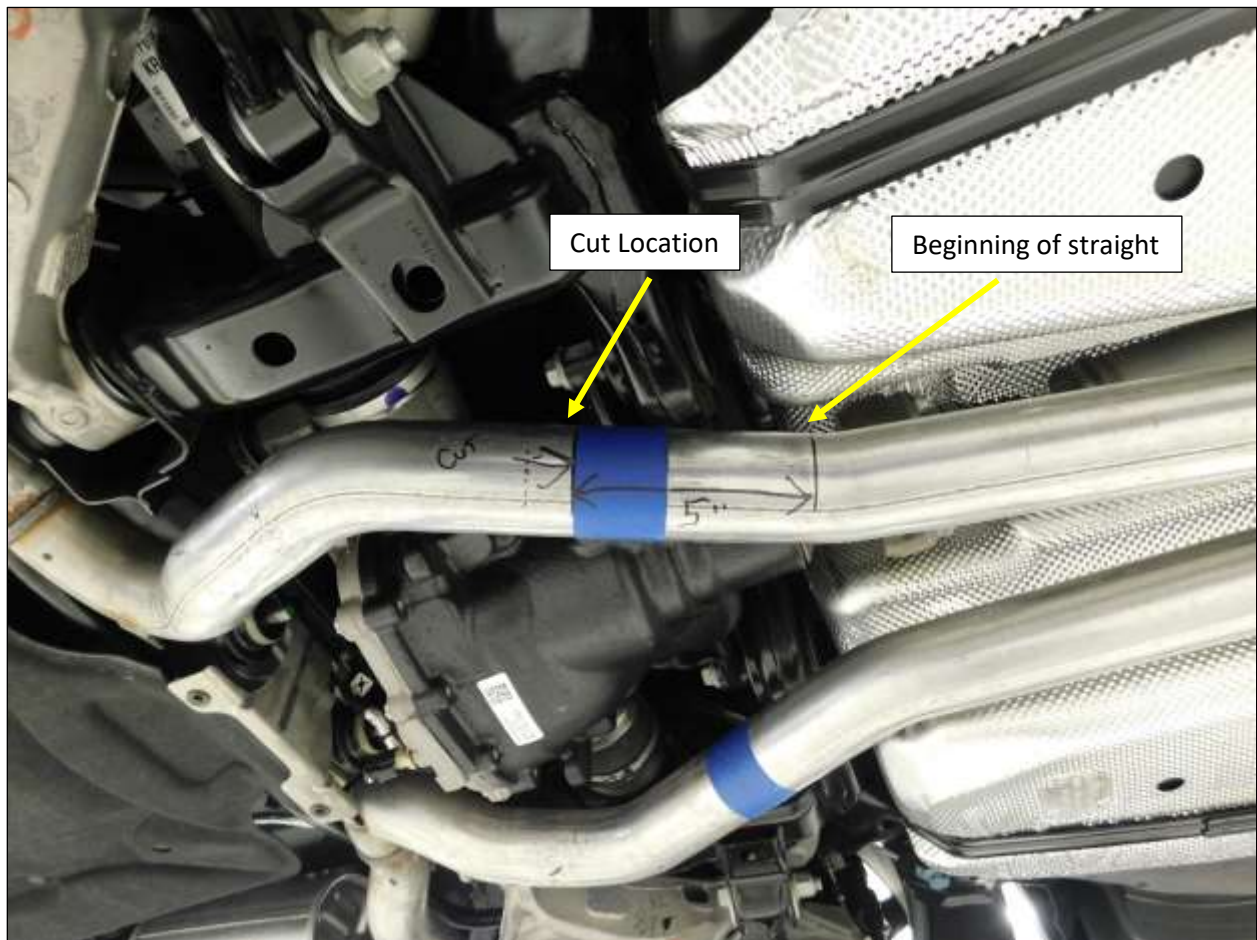
8. Lift the tailpipes at the hanger assemblies and unhook the catch on the hanger. Remove the hanger assemblies.
9. Have one person on each of the mufflers and one on the resonator to support its weight. Lift the assembly off the jack stands, slide it rearward a few inches to disengage the couplers, and remove it from the vehicle.

## Removing the OEM Exhaust Continued:

### \* Alternate procedure for removing the factory exhaust

- Between the resonator and the differential, measure 5" from the beginning of the straight section of tube after the bend towards the muffler (**Fig. 5**).
- Make a witness mark at 5".
- Wrap a piece of masking tape around the pipe at the witness mark to make a straight edge to follow while cutting the tube.
- Double check your measurements and the location for accuracy.
- Use a reciprocating saw or cut off wheel and cut the exhaust at the edge of the tape, as shown in **Fig. 5**.
- Remove the mufflers and resonator as individual parts.

**NOTE:** Use caution when cutting the exhaust and protect the chassis and suspension parts from the saw blade and possible damage to the car.



**Figure 5**

## 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. Making the cuts to the front pipes after the catalytic converters (**Fig. 6 & 7**).
  - Measure 11" from the weld on the bottom of the driver's and passengers' side catalytic converter rearward.
  - Make a witness mark at 11".
  - Wrap a piece of masking tape around the pipe at the witness mark to make a straight edge to follow while cutting the tube.
  - Double check your measurements and the location for accuracy.
  - Use a reciprocating saw or cut off wheel and cut the exhaust at the edge of the tape (**Fig. 6 & 7**).
  - Remove the restricted sections of exhaust pipe.
  - Deburr the pipe from the catalytic converter inside and out.

**NOTE:** Use caution when cutting the exhaust and protect the chassis and suspension parts from the saw blade and possible damage to the car.

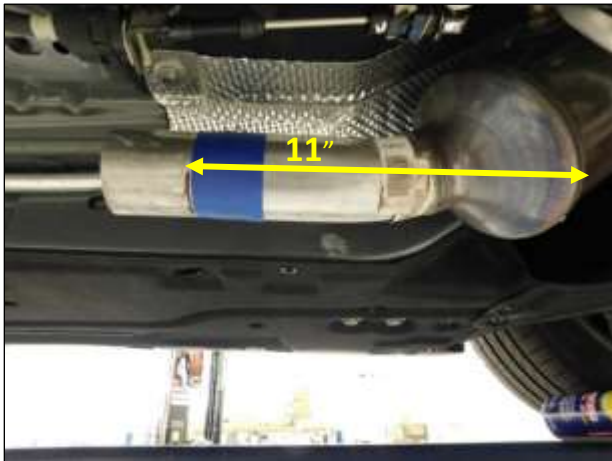


Figure 6

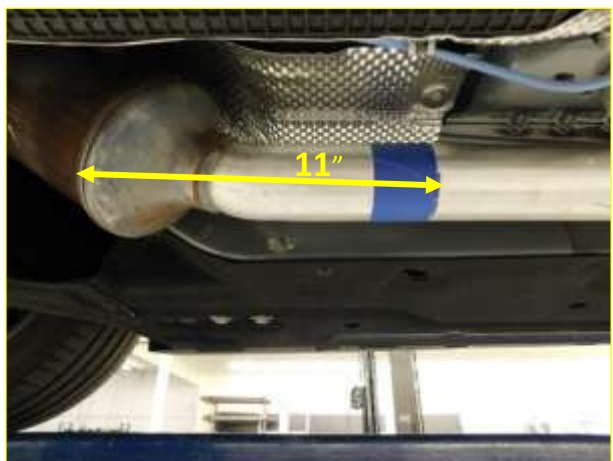


Figure 7

## Installation Continued:

2. Mark the tube 2.5" from the cut end and make a witness mark.
3. Spray the pipe from the catalytic converter with spray Lube.
4. Install a 2.5" band clamp **(6)** on to the inlet of the Scavenger Pipe **(1)** with the bolt to the outside and the nut facing down.
5. Install the Scavenger pipe on to the catalytic converters with the Flowmaster Logo on the merge facing the ground.

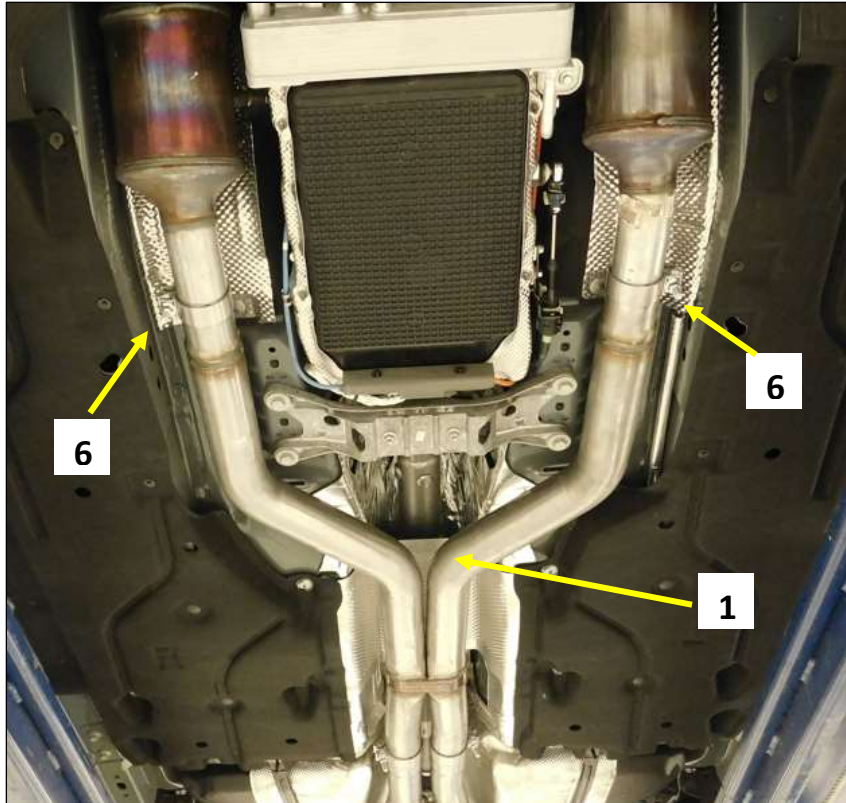


Figure 8

6. Slide the scavenger pipe **(1)** onto the catalytic converter pipes up to the witness mark. Center the scavenger pipe in the tunnel at the outlet end between the fuel tanks.
7. Support the scavenger pipe level and parallel with the bottom of the car and tighten the band clamps **(6)** to allow for adjustment but hold the part in place. Continue to support the Scavenger pipe until the system is completely installed (**Fig. 8**).

## Installation Continued:

8. Install a 3" band clamp (7) on to the expanded inlet end of the Left Mid Pipe (2) and the Right Mid Pipe (3) with the bolt to the outside and the nut facing down (Fig. 9).

**NOTE:** The left mid pipe has a 33° 2<sup>nd</sup> bend and the Right Mid Pipe will have a 14° 2<sup>nd</sup> bend (opposite the expanded end).

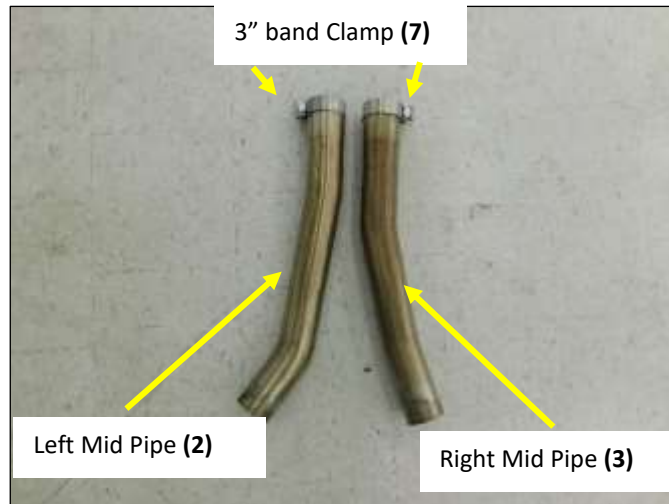


Figure 9

9. Install the Left Mid Pipe (2) on to the outlet of the Scavenger pipe (1). Align level with the ground and tighten the clamp to allow for adjustment (Fig. 10).
10. Install the Right Mid Pipe (3) on to the outlet of the Scavenger pipe (1). Align level with the ground and tighten the clamp (7) to allow for adjustment (Fig. 10).

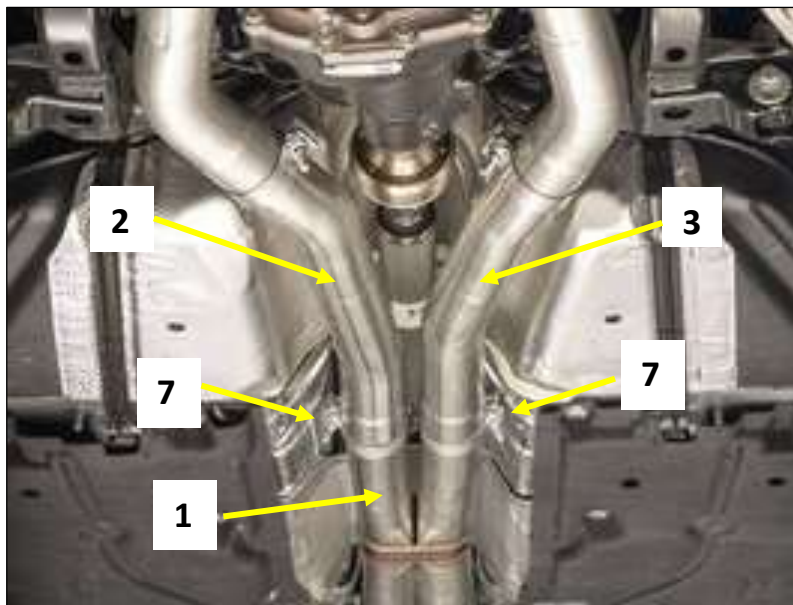
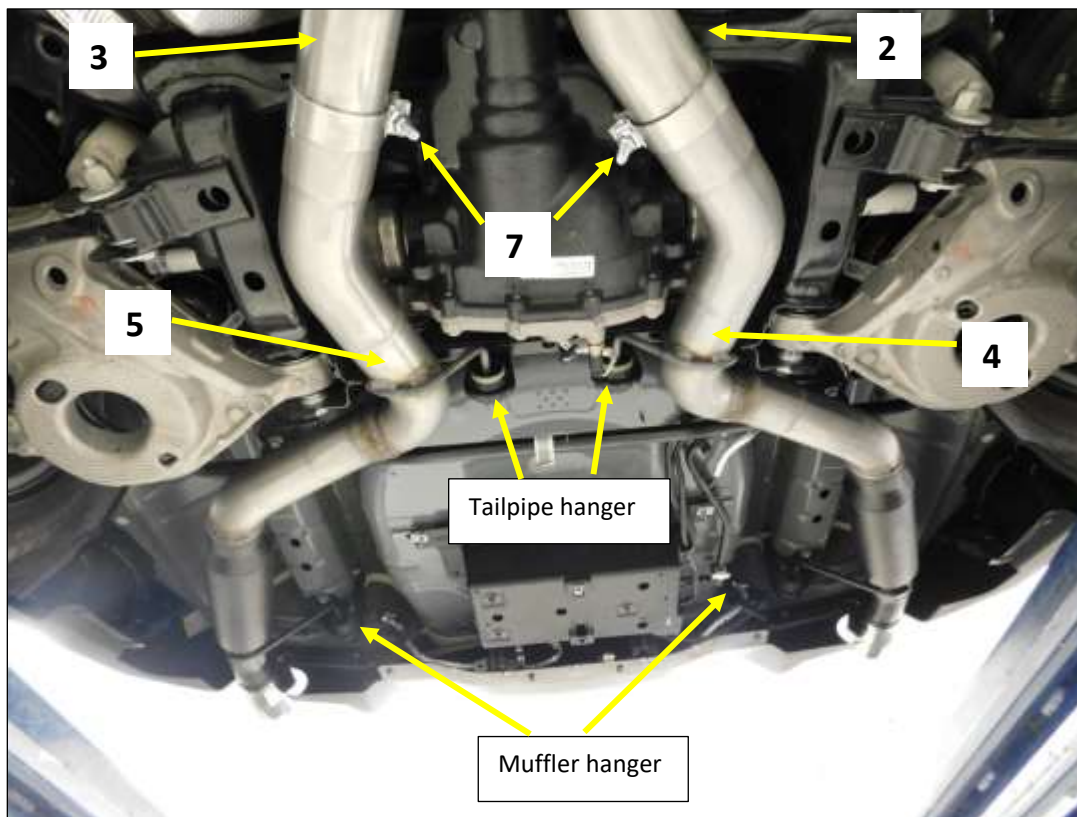


Figure 10

## Installation Continued:

11. Install a 3" band clamp (7) onto the expanded end of the left and right muffler assembly with the bolt to the inside and the nut facing down (Fig. 11).
12. Install the right muffler assembly (5) on to the outlet of the Right Mid pipe (3).
13. Install the OEM muffler hanger on to the Flowmaster muffler hanger rod. Rotate the hanger assembly up and clip the catch into the frame. Install the (x2) bolts (Fig. 11).
14. Install the tailpipe hangers on to the Flowmaster tailpipe hanger rod. Hook the catch into the subframe. Install the bolt (Fig. 11).
15. Tighten the 3" band clamp (7) to allow for adjustment.
16. Repeat steps 12 to 15 for left side muffler assembly.



**Figure 11**

17. Adjust the stick out of the tips to approximately  $\frac{1}{2}$ " past the edge of the cutout in the rear valance. This adjustment is best made at the slip joint between the Scavenger pipe and the Mid Pipes - (1/2 and 1/3) (Fig. 10).
18. Make the necessary adjustments to the system for best clearance and tip alignment. Tip alignment adjustments side to side and up and down in the cut out, are best made at the slip joint between the muffler assemblies and the Mid pipes - (3/5 and 2/4) (Fig. 11).
19. Tighten all clamps starting at the front and working towards the rear.
20. Install the rear cover bracket.
21. Install the rear cover.
22. Install the convertible braces, if removed. Additional adjustments may be required for these braces.



**Enjoy Your Flowmaster Exhaust!**