



Installation Instructions

818163

2024-2025 Ford Mustang

2.3/5.0L Engine

Coupe or Convertible

Without Active-Valved Exhaust

OUTLAW
S E R I E S

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.

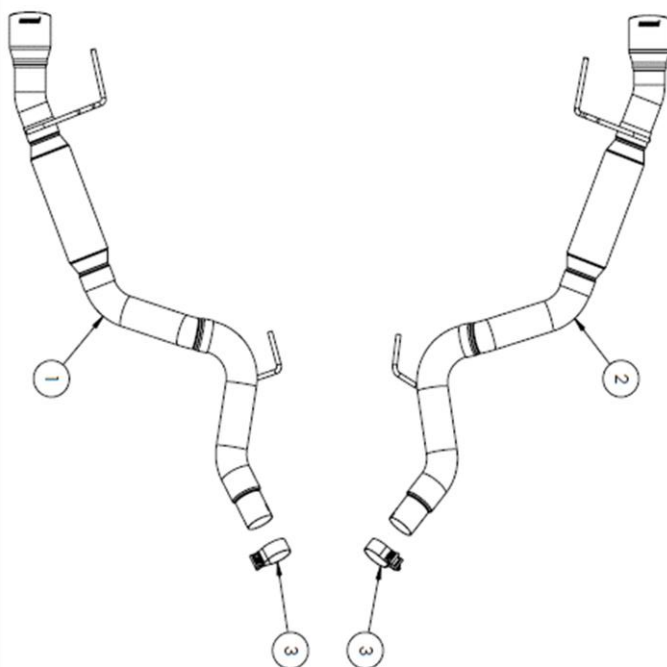
Apply penetrating oil generously to clamps, fasteners, pipes, and hanger rods for ease of disassembly.

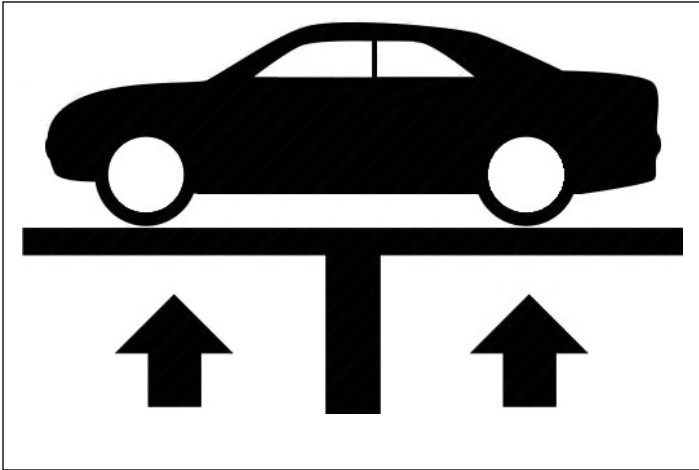
REVIEW THE INSTRUCTIONS & VERIFY THE KIT CONTENTS

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

| ITM# | Part # | Description | Qty. |
|------|------------|--------------------------------------|------|
| 1 | 815430-611 | Right Muffler Assembly Polished Tips | 1 |
| 2 | 815430-610 | Left Muffler Assembly Polished Tips | 1 |
| 3 | MC250BS | 2.5" Stainless Band Clamp | 2 |

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

Engine: 2.3/5.0L 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.

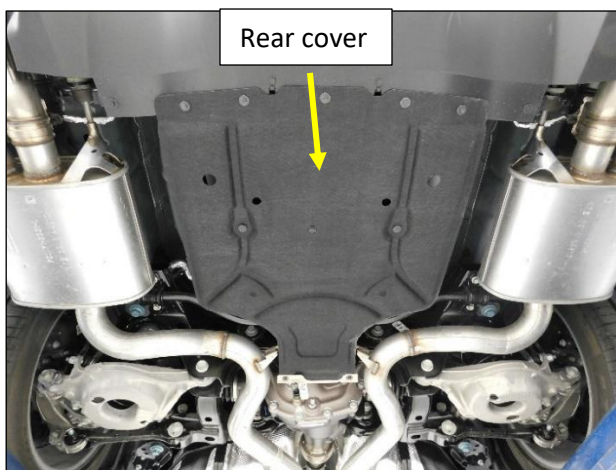


Figure 1

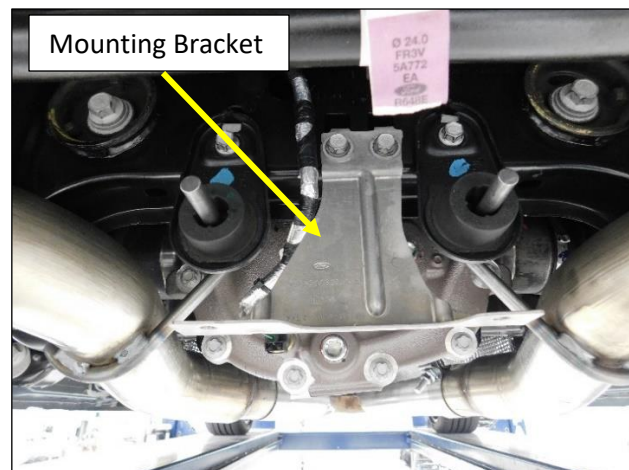


Figure 2

Removing the OEM Exhaust Continued:

3. Support the center resonator with a jack stand.
4. Mark the exhaust pipe between the center resonator and the muffler, as shown in **Fig.3**
 - Measure 5" from the beginning of the straight section of tube after the bend towards the muffler.
 - 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. 3**.

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

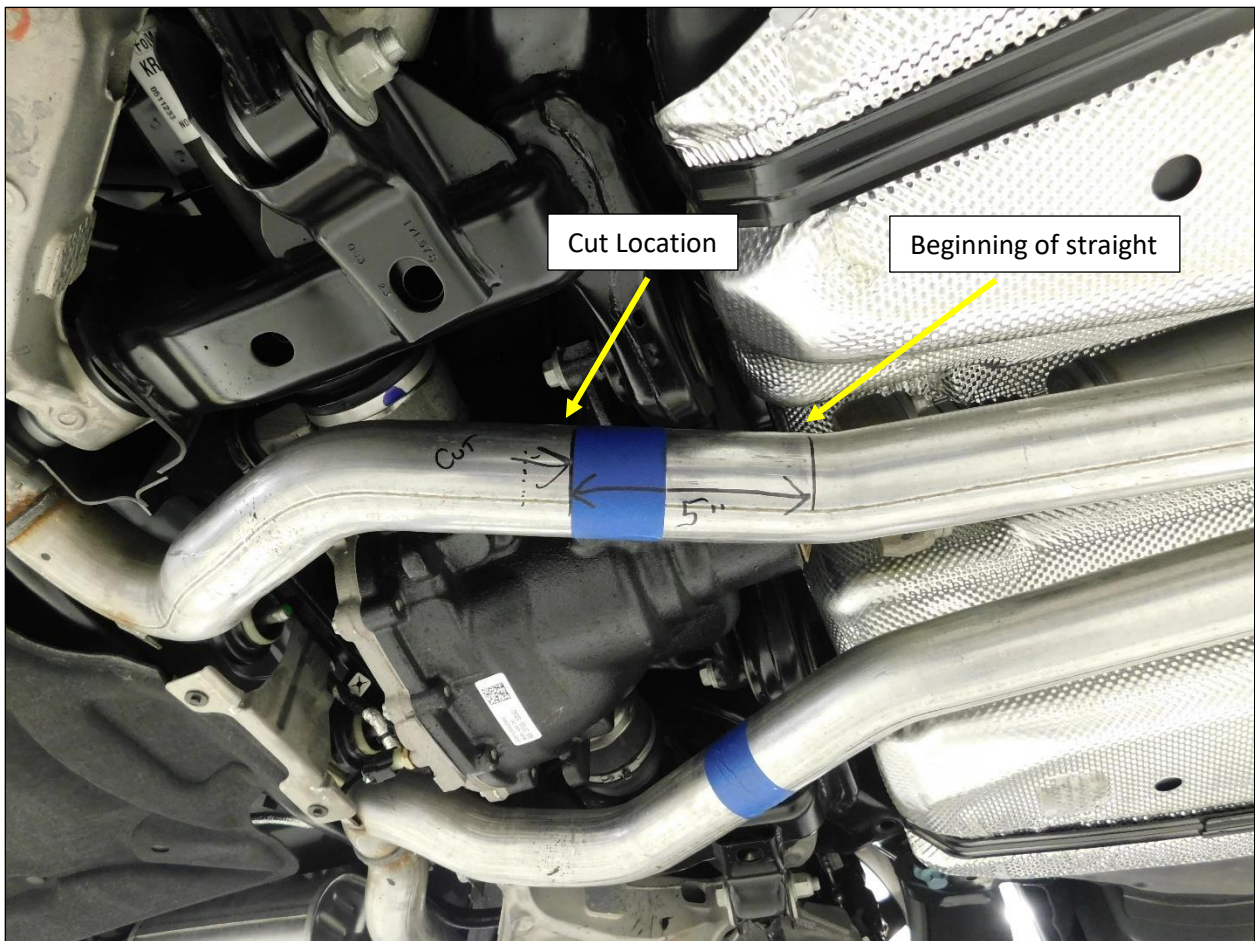


Figure 3

Removing the OEM Exhaust Continued:

5. Remove the tail pipe 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 (Fig. 5).
7. Support the muffler assembly and remove the hanger mounts from the vehicle by lifting the tabs out of the slots in the frame. Lower the muffler assembly from the vehicle.

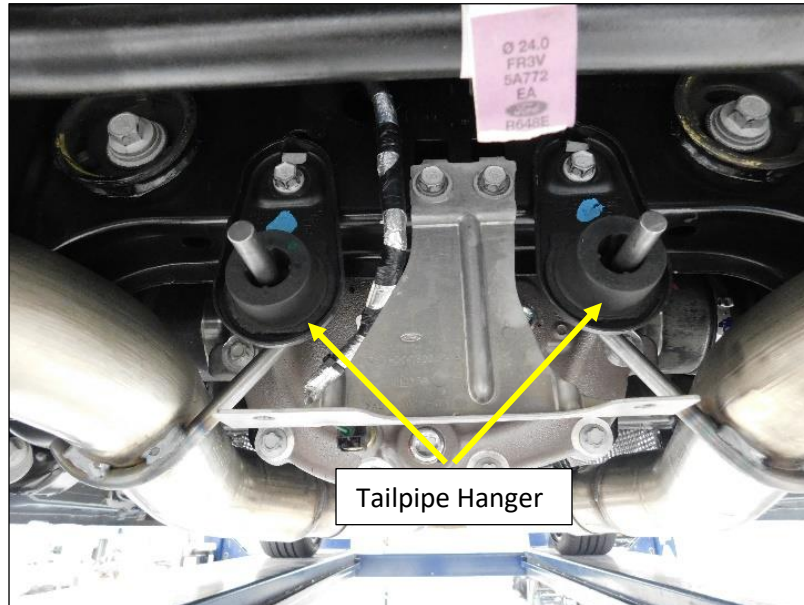


Figure 4

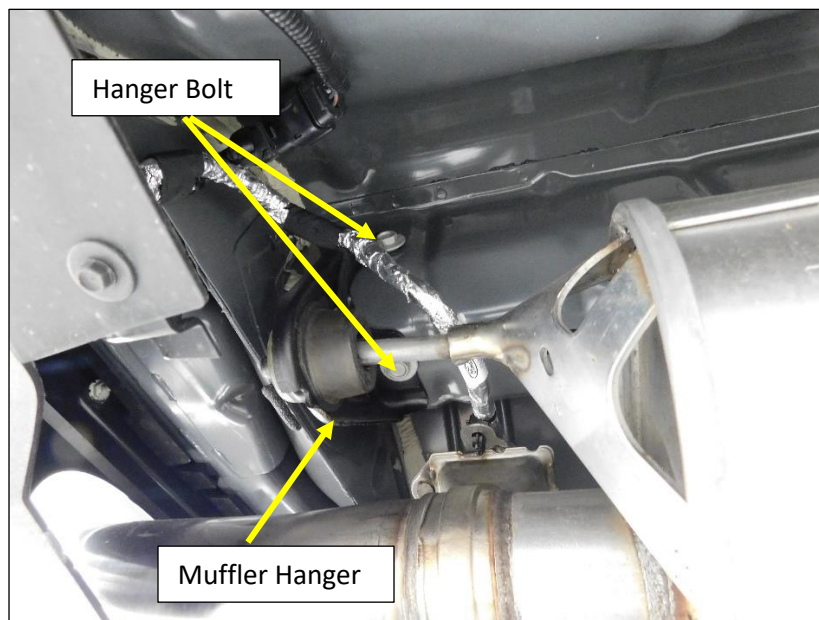


Figure 5

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. Deburr the inside and outside of the cut ends of the OEM exhaust.
2. Install the supplied band clamp (3) on to the inlet of the Flowmaster Axle-Back muffler assembly with the bolt to the inside and nut facing down (**Fig. 8**).

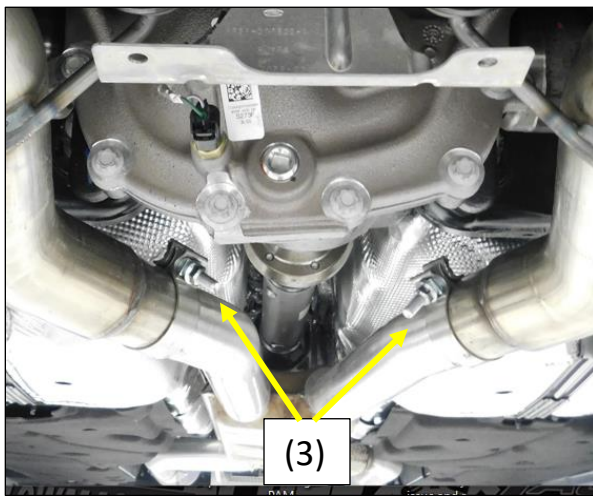


Figure 8

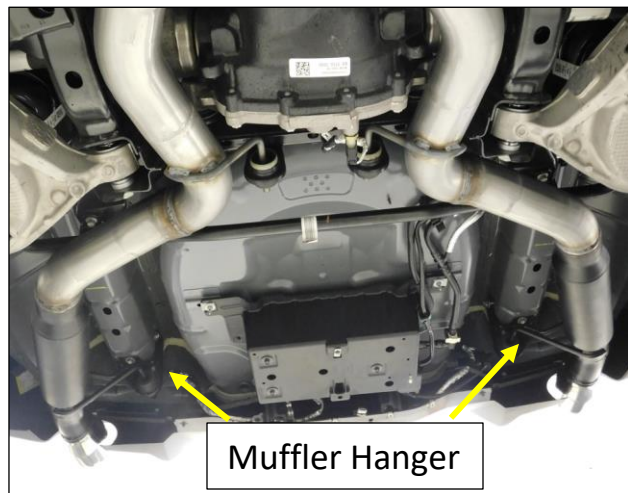


Figure 9

3. Apply spray lubricant on to the OEM exhaust pipe.
4. Place the right-side muffler assembly into the vehicle, make sure the muffler hanger rod is inside the rear valance.
5. Slip the muffler assembly over the OEM exhaust pipe approximately 3 inches and support the muffler (**Fig. 8**).
6. Install the OEM muffler hanger assembly onto the Flowmaster muffler hanger rod, rotate into position and clip the tab into the frame rail. Install the (x2) mounting bolts (**Fig. 9**).

Installation Continued:

7. Install the tailpipe hanger assembly on to the Flowmaster hanger rod. Align the bolt hole and frame clip. Install and tighten the mounting bolt (**Fig. 10**).

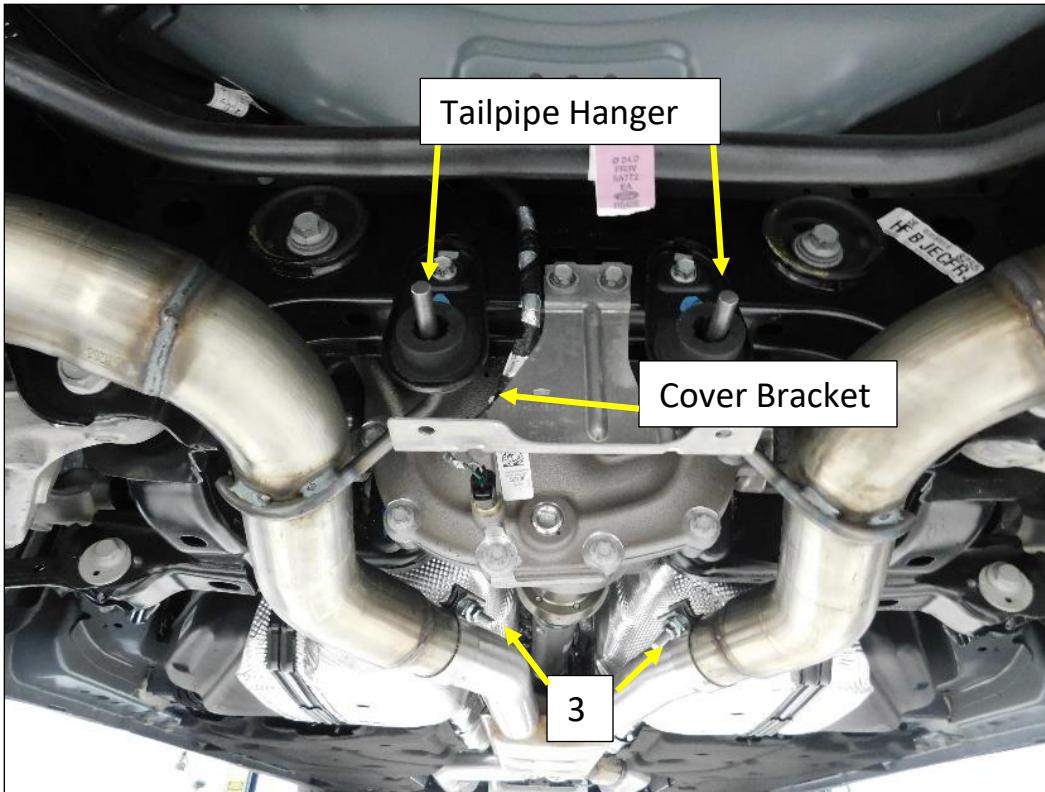


Figure 10

8. Repeat steps 4 through 7 for the left side muffler assembly.
9. Install the rear cover mounting bracket and bolts (**Fig. 10**).
10. Tighten the 2.5" band clamp (3) to allow for adjustment (**Fig. 10**).
11. Adjust the muffler assemblies to allow the tips to stick out past the rear valance approximately 1/2" and the tips to be centered and square in the rear valance.
12. Check all clearances and tighten the band clamp (3) fully.
13. Install the rear cover.
14. Install the convertible braces, if removed.



Enjoy Your Flowmaster Exhaust!