FLOWMASTER INC.
THE PERFORMANCE TECHNOLOGY COMPANY

OUTLAW SERIES

Installation Instructions

817800

2018-20 MUSTANG GT
5.0L V8 ENGINE

Fits vehicle with active performance exhaust

OVERVIEW:

1. Take a moment to read and understand these instructions before installing your Flowmaster performance system.

NOTE: Please inventory all parts now before continuing and if necessary, report any missing items to our tech line. This will avoid potentially stranding your vehicle until any missing replacement parts arrive.

ITM #	PART #	DESCRIPTION	QTY.
1	26701S	Scavenger Assembly	1
2	26702S	Left Mid Pipe	1
3	26703S	Right Mid Pipe	1
4	853063-509	Right Muffler Assembly	1
5	853063-510	Left Muffler Assembly	1
N/A	PK930	Hardware Package includes:	1
6	MC250BS	2.5" Band Clamp	2
7	MC300BS	3" Band Clamp	4
8	HW532	½" OD x ½" Spacer	6
9	HW251	¼" x 1¼" Button Head Screw	6
10	HW332	¼" Split Lock Washer, S.S.	6
11	HW124	¼" Hex Nut, S.S.	6

REMOVE STOCK EXHAUST SYSTEM:

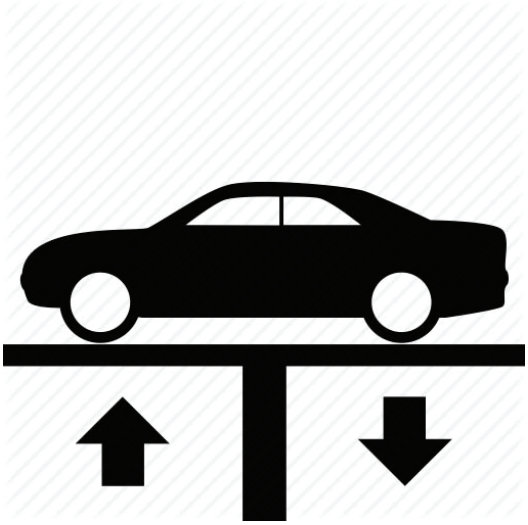
2. Raise vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, support vehicle with jack stands.

WARNING:
Avoid serious burns! Allow your vehicle time to cool completely before touching any factory engine components.

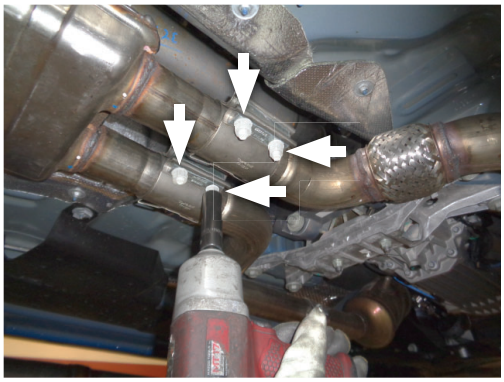
To ease preparation and installation of your new kit:

- Apply penetrating lubricant to mounts, bolts and clamps before you remove them.
- Use stands as necessary to support parts as you detach them from your vehicle and again as you install new parts.

NOTE: See page 6 for special instructions regarding installation on convertible model vehicles.



3. Loosen nuts (x4) on factory band clamp connections at resonator inlet. Slide system towards rear to disengage from clamps.



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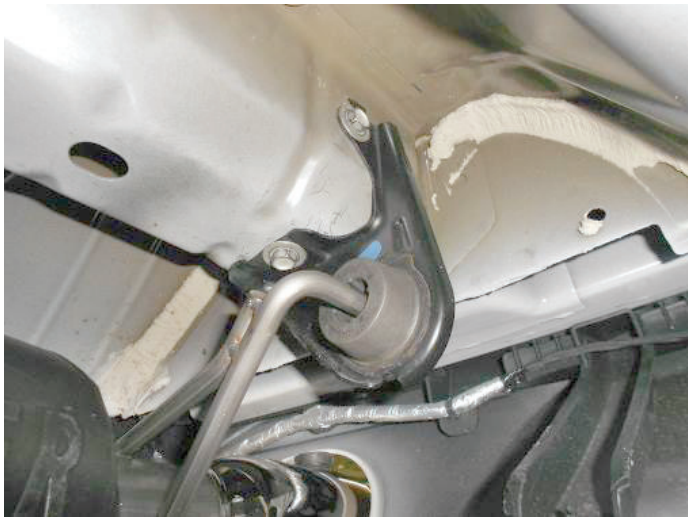
4. Unbolt mounts (just behind rear differential) and unplug valve actuators at rear of factory mufflers. Slide exhaust system forward out and onto floor, but leave front mounts attached. Remove and retain rear mounts and factory mufflers.



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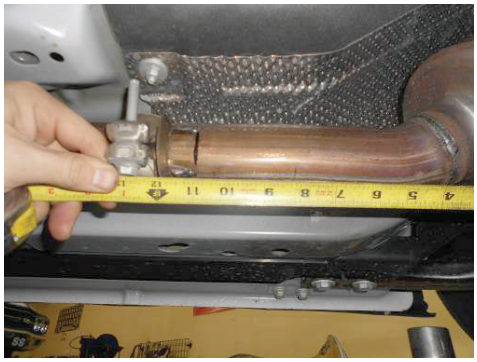
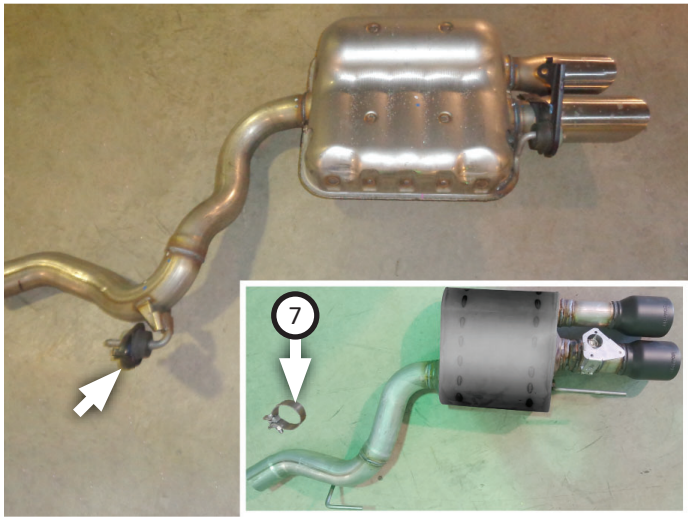
5. Measure 11" rearward from bottom case weld on both catalytic converters and mark trim line. Cut both pipes at marked trim line then deburr them.

NOTE: When trimming components, be cautious with the end of your blade to avoid making excessive cuts.

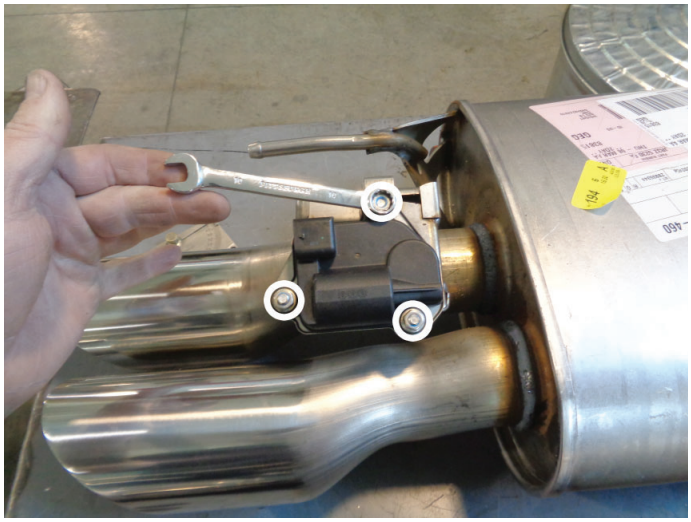


6. Place factory muffler units next to Flowmaster muffler units then transfer front and rear mounts (removed step 4). Place (x2) **clamps (7)** onto inlet of each unit.



NOTE: Before completing this step, carefully index the exact placement and location of wire loom bracket on both left and right valves so that you can re-install them identically in step 10.

7. Remove nuts (x3) securing exhaust valve actuator to exhaust valve. Retain nuts and wire loom bracket for later use.



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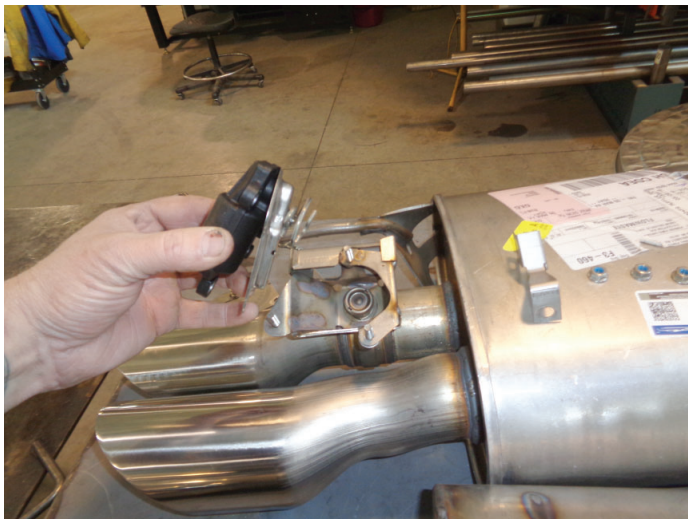
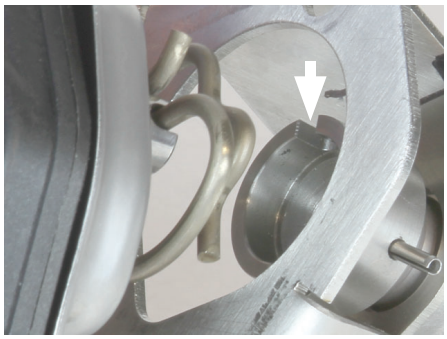
8. Lift actuator (with heatshield and spring attached) from factory valve assembly.



INSTALL FLOWMASTER EXHAUST SYSTEM

NOTE: Complete step on both actuators. Your valves come as part of muffler assemblies.

9. Install actuator onto valve by lining spring arm to valve shaft notch then lower it into place. Rotate actuator assembly holes to line up with mount holes.



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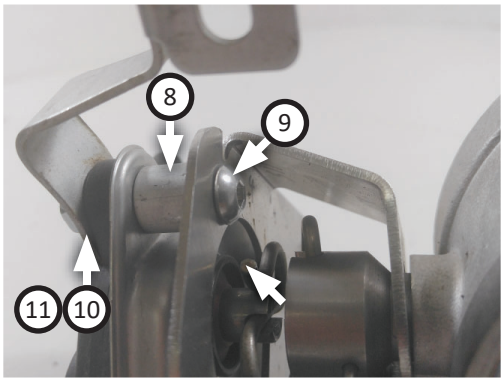
10. Place each wire loom bracket onto left and right actuator (as indexed from step 7) then fasten assemblies exactly as shown (x3 ea.) **screws (9)**, **aluminum spacers (8)**, **split lock washers (10)** and **hex nuts (11)**.



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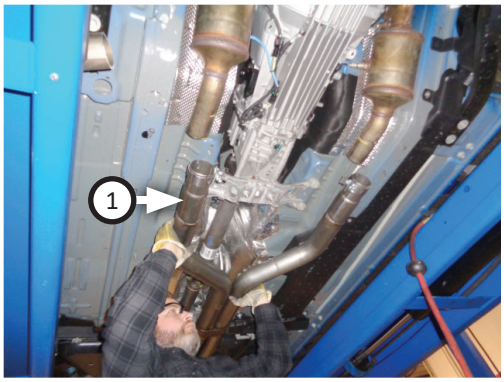
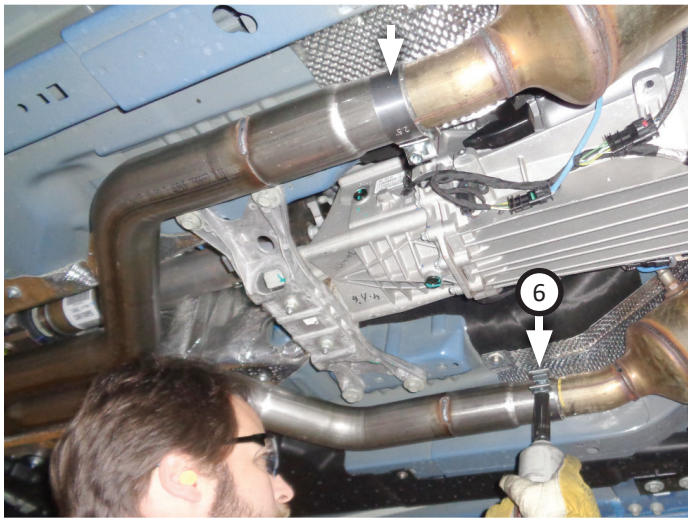
11. Remove nuts from stock and Flowmaster clamps, apply anti-seize compound to bolts and re-install nuts.

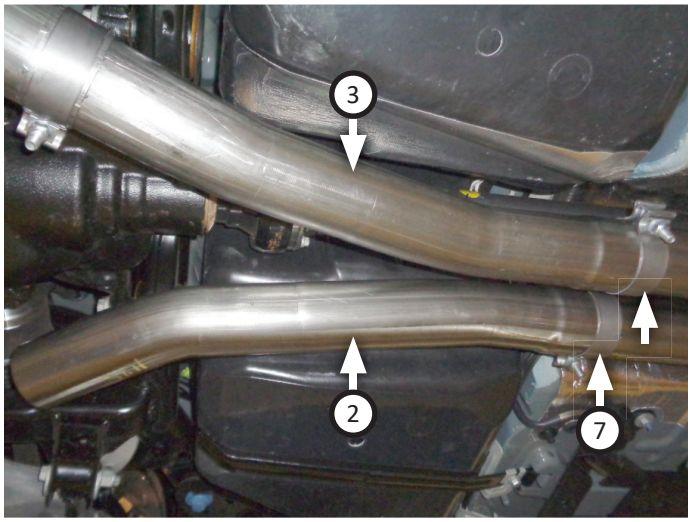
    NOTE: The image in this step is intended for illustrative purposes only and may or may not accurately reflect components included in your kit.

12. Place (x2) **clamps (6)** onto **Scavenger assembly (1)** inlets then connect it (FM logo facing floor) to factory head pipes and slide it in approximately three inches. Tighten clamps just enough to allow for adjustment.

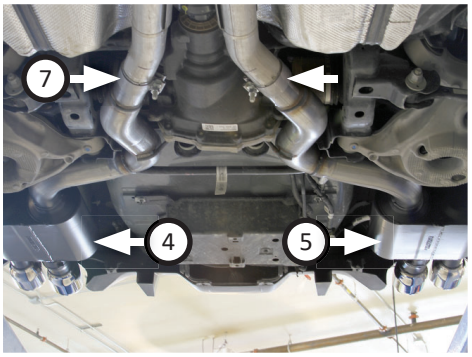




13. Place (x2) **clamps (7)** onto **left (2)** and **right (3) mid pipes** and connect them to scavenger outlets. Tighten clamps just enough to allow for adjustment.



14. Place (x2) **clamps (7)** onto **right (4)** and **left (5) muffler assembly** inlets. Connect right muffler assembly to right mid pipe then reinstall front and rear mounts. Repeat step with left muffler assembly on driver side of vehicle.

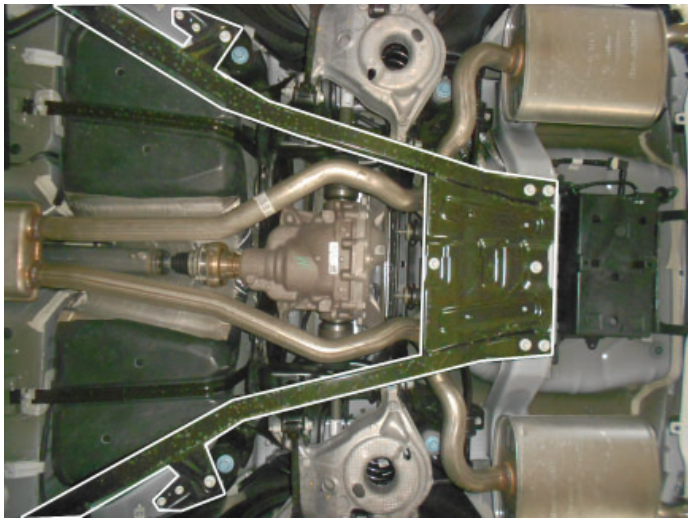


15. Adjust exhaust components for fit; maintaining ½" clearance and compensating for suspension, travel and vibration then tighten all clamps.
16. Connect exhaust valve actuators on right and left muffler assemblies to factory wiring (unplugged step 4) in vehicle.
17. Recommended: Secure slip-fit connections with a 1-inch tack weld then spray high-temp paint over each weld to prevent rust and premature corrosion.

ADDITIONAL INSTRUCTIONS FOR CONVERTIBLE MODEL VEHICLES:

REMOVAL: Body braces will need to be removed in order to exchange factory exhaust system for Flowmaster exhaust system. Starting with passenger side brace, loosen front bolt then remaining bolts (x8) working towards rear of vehicle. Repeat this step on driver side of vehicle (x6 bolts).

INSTALL: After completing Flowmaster exhaust system, install re-install body braces starting with driver side of vehicle (x6 bolts) then completing passenger side of vehicle.



Congratulations, the installation of your FLOWMASTER performance exhaust system is now complete!

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Installation Diagram

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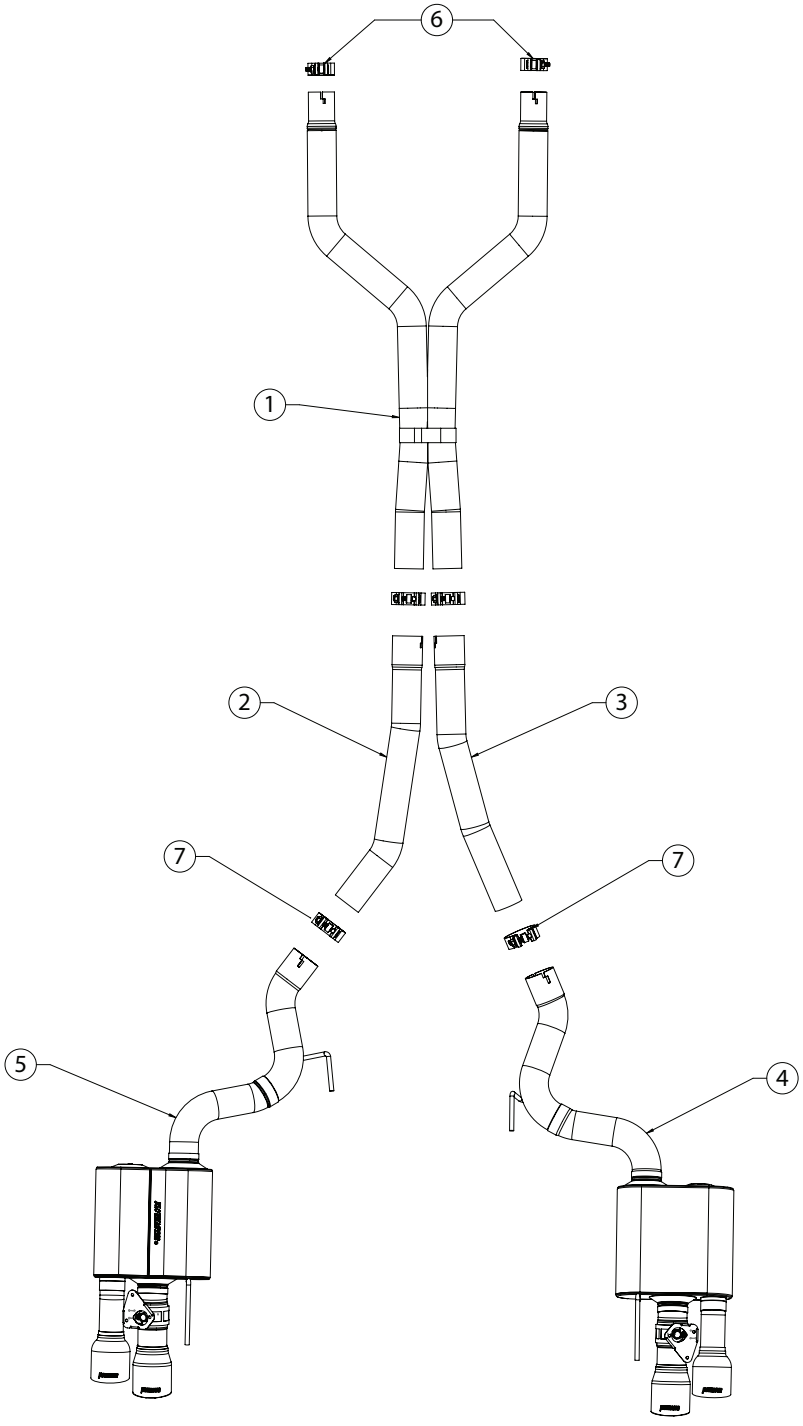
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