



Installation Instructions
817825
2018-20 FORD MUSTANG GT
5.0L ENGINE

Coupe & Convertible
This kit does NOT fit vehicles with Factory Active Performance exhaust valves.

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 | 815430-499 | Right Muffler Assembly | 1 |
| 2 | 815430-500 | Left Muffler Assembly | 1 |
| N/A | PK945 | Hardware Package includes: | 1 |
| 3 | MC250BS | 2½" Stainless Band Clamp | 2 |
| 4 | HW532 | .5" OD x .25" ID x .5" Alum Spacer | 6 |
| 5 | HW251 | ¼-20 x 1.25" Hex Cap Screw | 6 |
| 6 | HW332 | ¼" Split Lock Washer | 6 |
| 7 | HW124 | ¼-20 Hex Nut | 6 |

REMOVE STOCK EXHAUST SYSTEM:

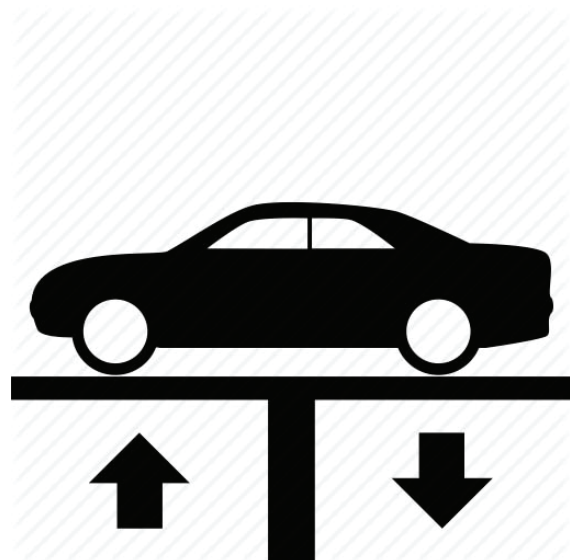
2. Raise vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, support vehicle with jack stands.

WARNING:

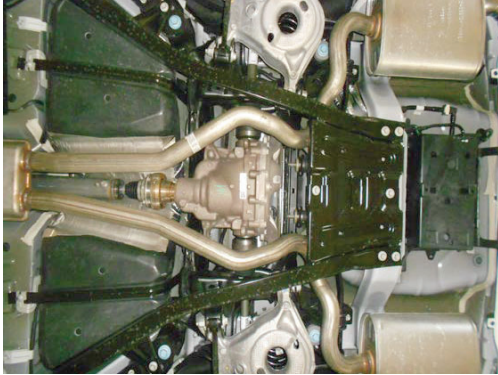
Avoid serious burns! Allow your vehicle time to cool completely before touching any factory engine components.

To ease preparation and installation of your new kit:

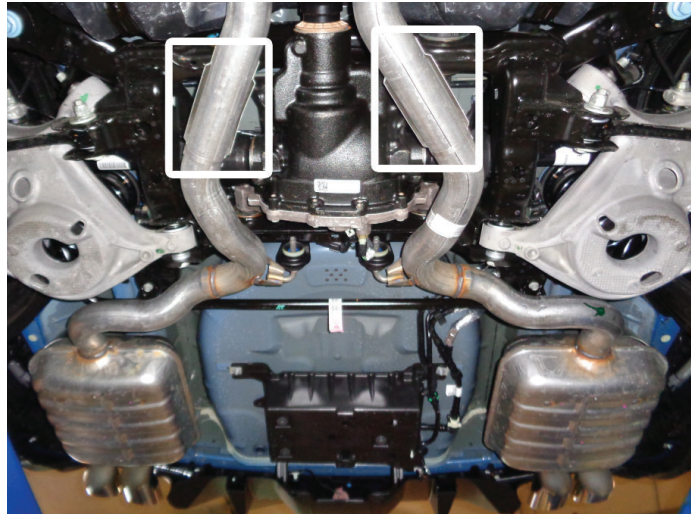
- Apply penetrating lubricant to mounts, bolts and clamps before you remove them.
- Use stands as necessary to support parts as you detach them from your vehicle and again as you install new parts.



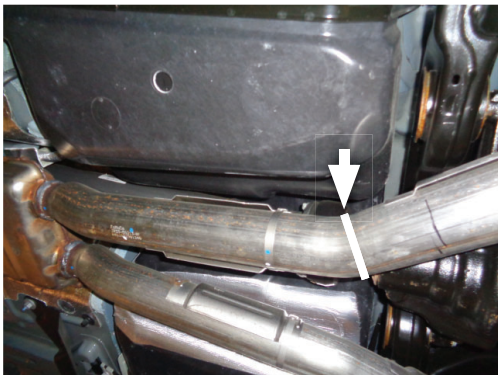
3. On convertible model vehicles, remove body braces starting at front passenger side brace. Loosen front bolt and work your way rearward, lower brace from vehicle then repeat step on driver side of vehicle.



4. Remove (x2) heat shields by cutting through strap at rear, then lifting and lowering shield a few times to break weld.



5. Make mark just past second bend of each pipe, where bend ends and straight area begins. At rear of each muffler, unplug wire to factory exhaust actuator then tuck connection out of the way.



6. Mark both pipes 5" back from straight portion in previous step. Verify measurements then cut pipes at each mark. Unbolt hangers then remove muffler assembly and deburr pipes.



INSTALL FLOWMASTER EXHAUST SYSTEM:

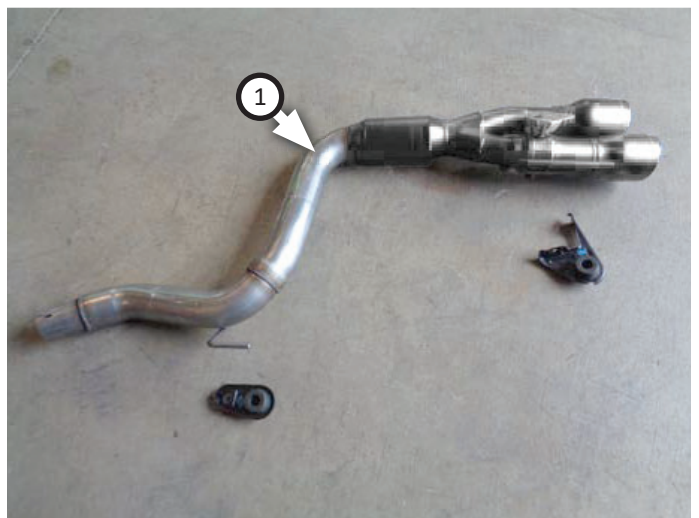
7. Remove nuts from stock and Flowmaster clamps, apply anti-seize compound to bolts and re-install nuts.

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

8. Every slip fit connection in this kit must seat 3" deep except for muffler connections which must seat 2" deep. Find all slip fit components in your kit and mark them accordingly so your Flowmaster exhaust system fits properly onto your vehicle.



9. Transfer hangers from factory muffler assembly to **left (2) and right (1) muffler assemblies**. Place **clamp (3)** onto muffler inlets.



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 13.

10. Remove (x3) nuts securing valve actuators to each factory muffler. Retain nuts and wire loom bracket for later use.



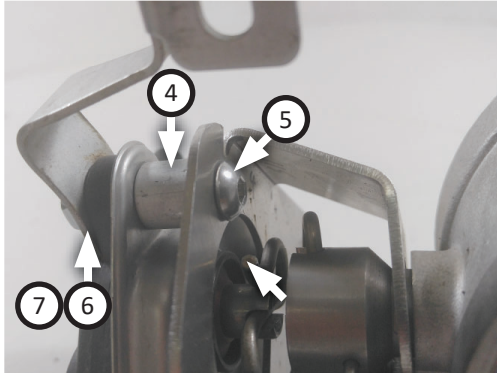
11. Lift actuator with heatshield and spring attached from factory valve assembly.



12. Install actuator onto new valve by lining spring arm to notch in valve shaft, then lower it into place. The holes in actuator assembly should line up with holes in mount, rotate if required. Complete this step on both valves.



13. Place each wire loom bracket onto left and right actuator (as indexed from step 10) then fasten assemblies exactly as shown (x3 ea.) **screws (5), spacers (4), split lock washers (6) and hex nuts (7).**



14. Place left and right mufflers onto factory pipes then remount hangers and tighten securely. Tighten clamps just enough to allow for later adjustment.



15. Re-install body braces and reconnect plug on exhaust valve at rear of each muffler.
16. Adjust exhaust components for fit; maintaining 1/2" clearance and compensating for suspension, travel and vibration then tighten all clamps.
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.

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





OUTLAW

S E R I E S

Installation Diagram 817825 2018-20 FORD MUSTANG GT 5.0L ENGINE

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