



OUTLAW

S E R I E S

Installation Instructions

818112

2020-24 GM 2500 HEAVY DUTY

6.6L ENGINE

Only fits Crew Cab with 6.5' Bed

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	36081S	Inlet Pipe	1
2	8435155-Z	Muffler Assembly	1
3	26794S	Left Front Tailpipe	1
4	26795S	Right Tailpipe	1
5	26796S	Left Rear Tailpipe	1
6	26797S	Rear Exit Dual	2
7	26798S	Side Exit Dual	2
8	ST462	Tips	2

ITM #	PART #	DESCRIPTION	QTY.
N/A	PK1027	Hardware Package includes:	1
9	226HA	Left Frame Hanger	1
10	MC300BS	3" Stainless Band Clamp	5
11	MC350BS	3½" Stainless Band Clamp	1
12	HA168	Red Rubber Hanger	1
13	HA566	Backing Plate	1
14	HW211	¾-16 x 2" Bolt	2
15	HW220	¾-16 x 4" Bolt	1
16	HW303	¾" Flat Washer	3
17	HW309	¾" Lock Washer	3
18	HW103	¾-16 Nut	3
19	HW502	¾" Hanger Keeper	2
20	HW503	½" Hanger Keeper	5
21	HW504	8½" Zip Tie	1

REMOVE STOCK EXHAUST SYSTEM:

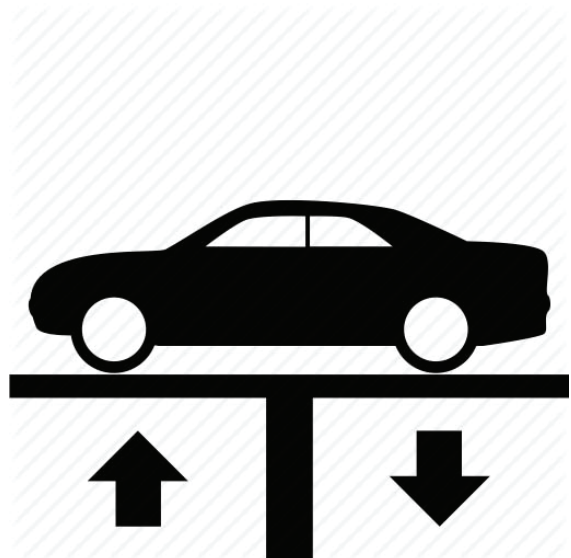
2. Raise vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, support vehicle with jack stands.

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:

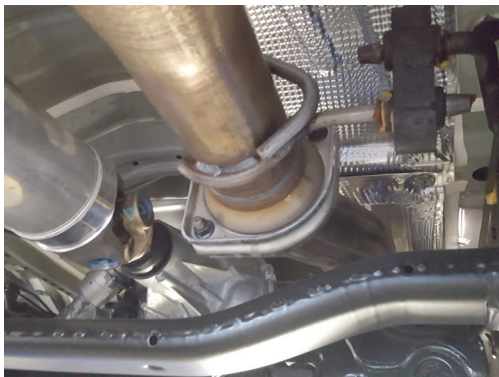
- Apply penetrating lubricant to mounts, bolts and clamps before you remove them.
- Use stands as necessary to support parts as you detach them from your vehicle and again as you install new parts.



3. Cut tailpipe at muffler exit. Disassemble hanger wire from isolator and remove tailpipe section from vehicle.



4. Remove nuts (x2) at factory flanged connection behind catalytic converter, separate hangers from isolators on exhaust then remove muffler section. Remove studs (x2) from catalytic converter flange.



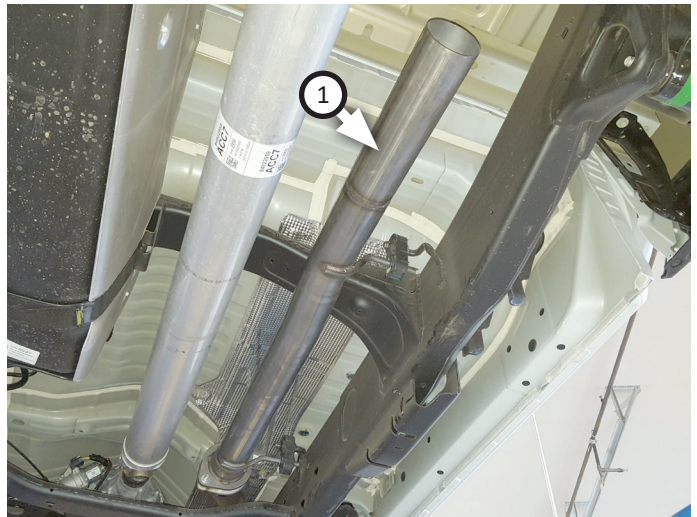
INSTALL FLOWMASTER EXHAUST SYSTEM:

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

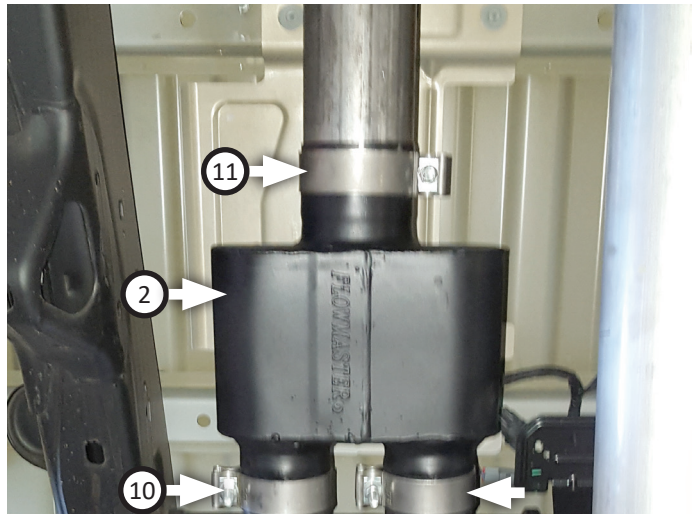
NOTE: The image in this step is intended for illustrative purposes only and may or may not accurately reflect components included in your kit.



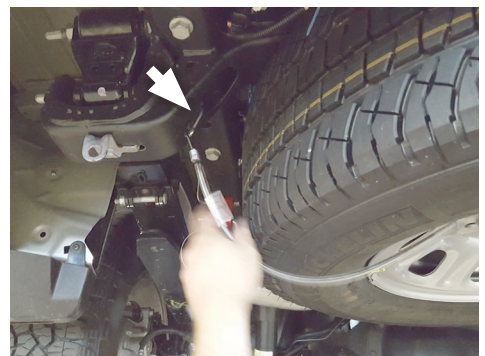
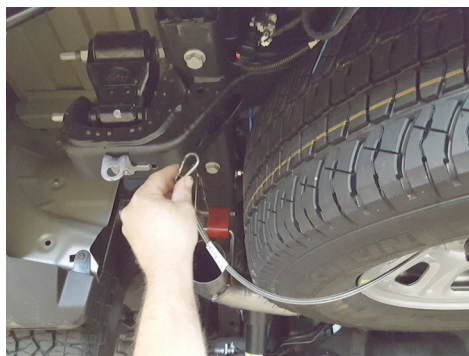
6. Place **inlet pipe (1)** flange against catalytic converter flange and insert hangers into factory isolators. Connect flanges using (x2 ea.) **bolts (14)**, **flat washers (16)**, **lock washers (17)** and **nuts (18)**.



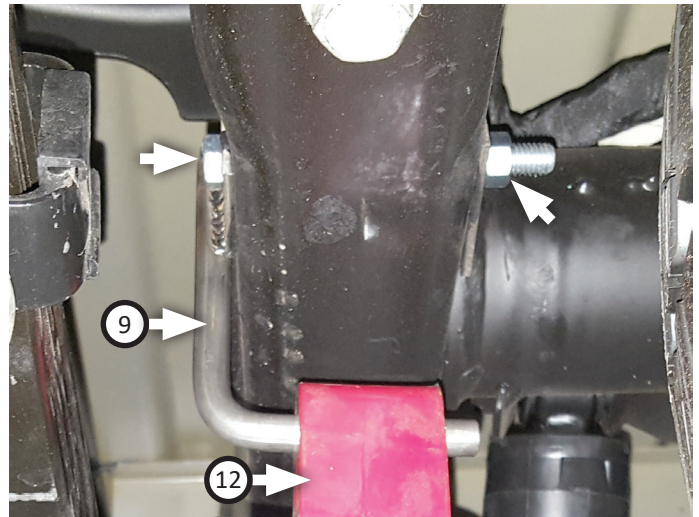
7. Place **clamp (11)** onto **muffler (2)** then connect it to inlet pipe. Tighten clamp just enough to allow for adjustment then place (x2) **clamps (10)** onto muffler outlets.



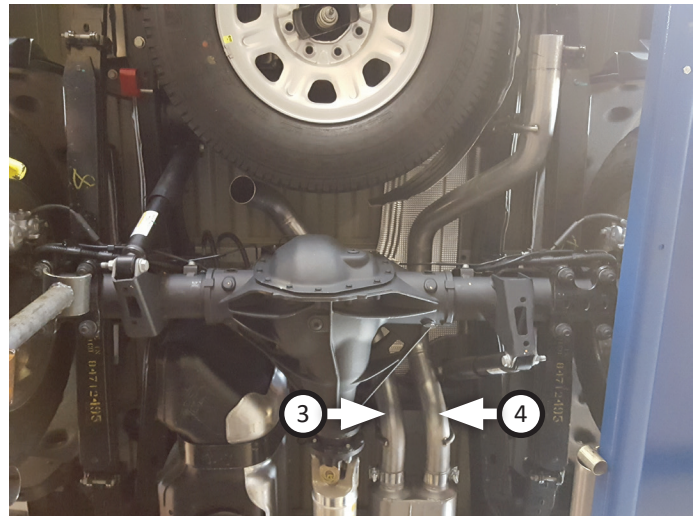
8. Some vehicles may come equipped with a spare tire clip wire. If so, remove it from its clip in point and move it inboard on vehicle frame as shown.



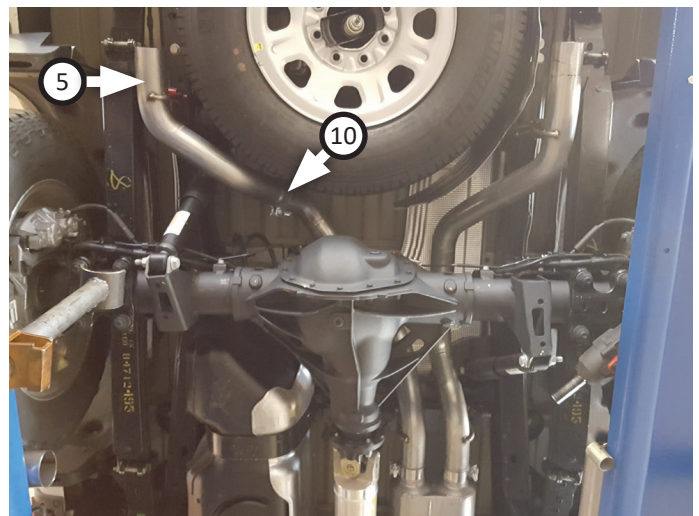
9. Fasten **left frame hanger (9)** to vehicle using **bolt (15)**, **backing plate (13)**, **flat washer (16)**, **lock washer (17)** and **nut (18)** as shown. Then hang **rubber hanger (12)** on frame hanger end.



10. Route **left front (3)** and **right tailpipes (4)** over axle then connect them to muffler. Insert their wire hangers into isolators then tighten clamps just enough to allow for adjustment.



11. Place **clamp (10)** onto **left rear tailpipe (5)** then connect it to left front tailpipe. Insert wire hanger into rubber hanger then tighten clamp just enough to allow for later adjustment.



NOTE: This kit includes both side and rear exit pipes. A side exit is preferable for towing purposes, to avoid blowing fumes in or on vehicles you may be towing (eg: RV trailer, boat, etc). Otherwise, use **rear exit pipes (6)** in place of side exit pipes.

12. Place (x2 ea.) **clamps (10)** onto **side exit pipes (7)** then connect them to tailpipes and tighten clamps just enough to allow for later adjustment.



13. Place (x2) **tips (8)** onto exit pipes and tighten inlets. Rotate exit pipes and tips to desired distance from body or bumper, so angle cut on tips are properly positioned.
14. Adjust exhaust components for fit; maintaining ½" clearance and compensating for suspension, travel and vibration. Secure vent hose and brake lines away from heat with **zip ties (21)** then tighten all clamps.
15. Secure exhaust system by fitting (x7) ¾" **(19)** and ½" **(20) hanger keepers** onto each wire hanger that runs perpendicular to your vehicles axle.
16. 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!





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Installation Diagram
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