



Installation Instructions

818113

2019-23 GM 1500 TRUCKS

2.7T ENGINE

147" & 157" Wheelbase

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	36082S	Inlet Pipe	1
2	36065S	Extension Pipe	1
3	8535502-Z	Muffler Assembly	1
4	86566S	Left Front Tailpipe	1
5	86568S	Left Rear Tailpipe	1
6	86567S	Right Tailpipe	1
7	86569S	Side Exit Pipe	2
8	86570S	Rear Exit Pipe	2

ITM #	PART #	DESCRIPTION	QTY.
9	ST461	Tips	2
N/A	PK1058	Hardware Package includes:	1
10	226HA	Left Rear Frame Hanger	1
11	HA566	Backing Plate	2
12	HA168	Rubber Hanger	1
13	MC250BS	2½" Stainless Band Clamp	5
14	MC350BS	3½" Stainless Band Clamp	2
15	HW220	¾-16 x 4" Bolt	1
16	HW303	¾" Flat Washer	1
17	HW309	¾" Lock Washer	1
18	HW103	¾" Nut	1
19	HW502	¾" Hanger Keeper	2
20	HW503	½" Hanger Keeper	4
21	HW505	15" Zip Tie	1

REMOVE STOCK EXHAUST SYSTEM:

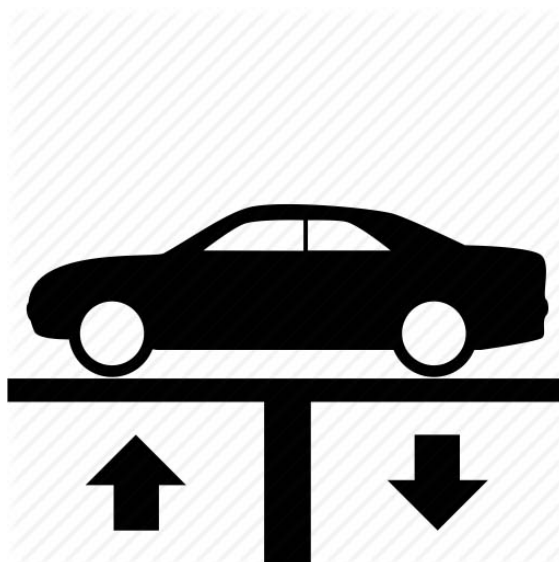
2. Raise vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, support vehicle with jack stands.

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 wires from isolators and remove tailpipe section from vehicle.



4. Support muffler then remove and retain flange fasteners. Disassemble wire hangers from isolators, disconnect inlet pipe and remove exhaust system.



INSTALL FLOWMASTER EXHAUST SYSTEM:

5. Apply anti-seize compound to threaded fasteners for a more secure install.

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

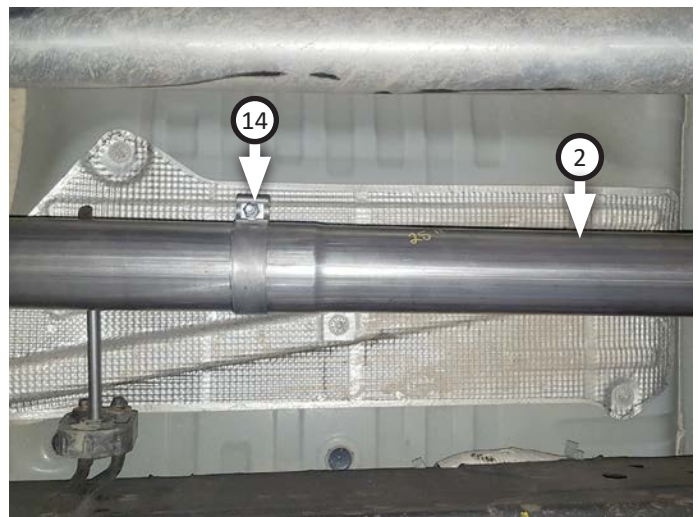


6. Connect **inlet pipe (1)** to factory exhaust inserting wire hanger into isolator then connect flange with (x2) fasteners (removed step 4).

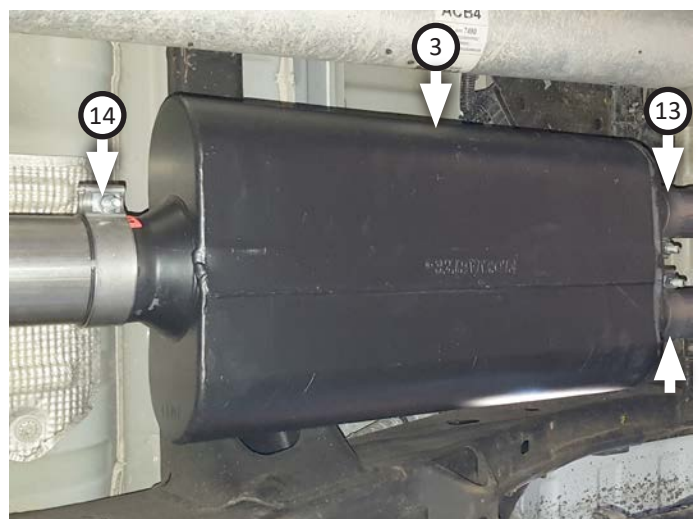


NOTE: If your vehicle has a 147" wheelbase, trim 10" from rear of extension pipe before completing this step.

7. Place **clamp (14)** onto **extension pipe (2)** then connect it to inlet pipe. Tighten clamp just enough to allow for adjustment.



8. Place **clamp (14)** onto **muffler (3)** then connect it to extension pipe. Tighten clamp just enough to allow for adjustment then place (x2) **clamps (13)** onto muffler outlets.



9. Place **frame hanger (10)** into driver side rear frame. Fasten it in place with (x2) **backing plates (11)**, **bolt (15)**, **nut (18)**, **flat washer (16)** and **lock washer (17)**. Place **rubber hanger (12)** onto frame hanger.

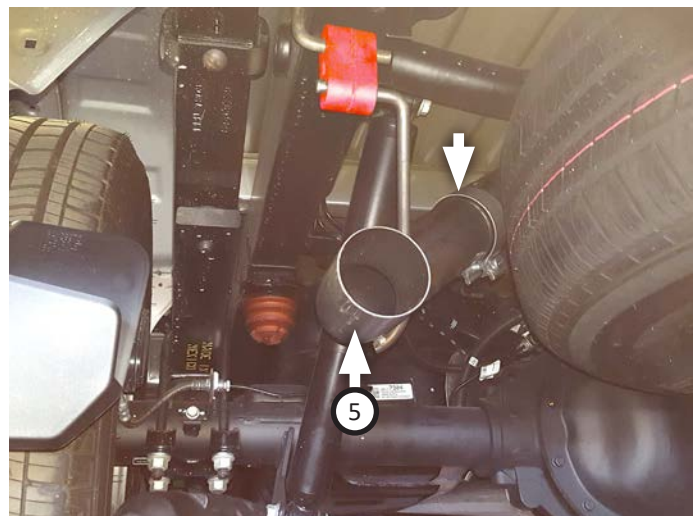
NOTE: Reference diagram as necessary to assemble fasteners properly.



10. Route **left front (4)** and **right tailpipes (6)** 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 (13)** onto **left rear tailpipe (5)** then connect it to left overaxle pipe. Insert wire hanger into rubber hanger then tighten clamp just enough to allow for later adjustment.

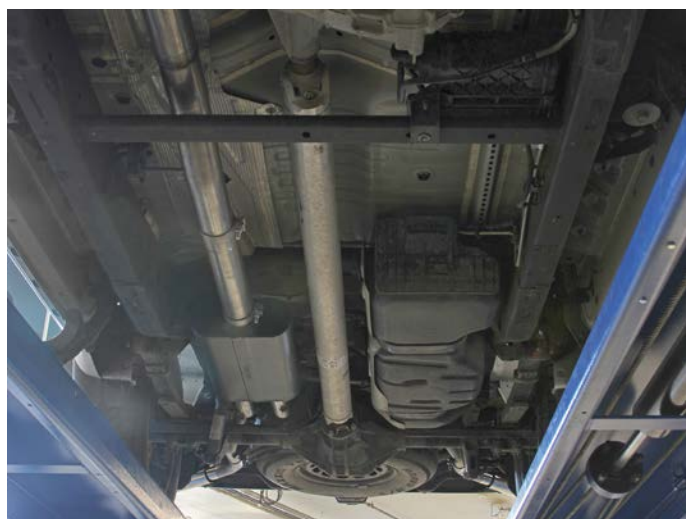


NOTE: This kit includes both side and rear exit pipes. If you prefer a rear exit exhaust, use **rear exit pipes (8)** in place of side exit pipes during step 12.

12. Place (x2 ea.) **clamps (13)** onto **side exit pipes (7)** then connect them to tailpipes and tighten clamps just enough to allow for later adjustment.
13. Place **tips (9)** 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 $\frac{1}{2}$ " clearance and compensating for suspension, travel and vibration. Secure vent hose and brake lines away from heat with **zip tie (21)** then tighten all clamps. Finally, fit (x6) **hanger keepers (19, 20)** onto each sideways hanger.
15. 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!





Installation Diagram
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