Installation Instructions

718116

2021-27 FORD F-150
2.7T, 3.5T & 5.0L ENGINE

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	26850M	Inlet Pipe	1
2	26277M	Extension Pipe	1
3	72198-Z	Muffler	1
4	86467M	Exit Pipe Assembly	1

ITM #	PART #	DESCRIPTION	QTY.
N/A	PK1065	Hardware Package includes:	1
5	526HA	Side Frame Hanger	1
6	527HA	Front Clamp Hanger	1
7	MC300BS	3" Stainless Band Clamp	2
8	MC250BS	2½" Stainless Band Clamp	2
9	SF059	Flange	1
10	HA168	Red Rubber Hanger	1
11	HA572	Universal Bracket	1
12	HW225	5/16-18 x ¾" Bolt	2

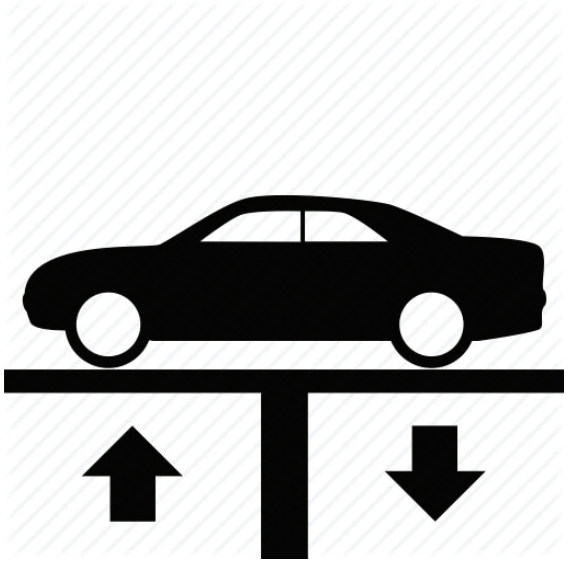
REMOVE STOCK EXHAUST SYSTEM:

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 and disassemble wire hangers from isolators. Remove and retain (x2 ea.) flange nuts and bolts, disconnect inlet pipe and remove exhaust system.



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.

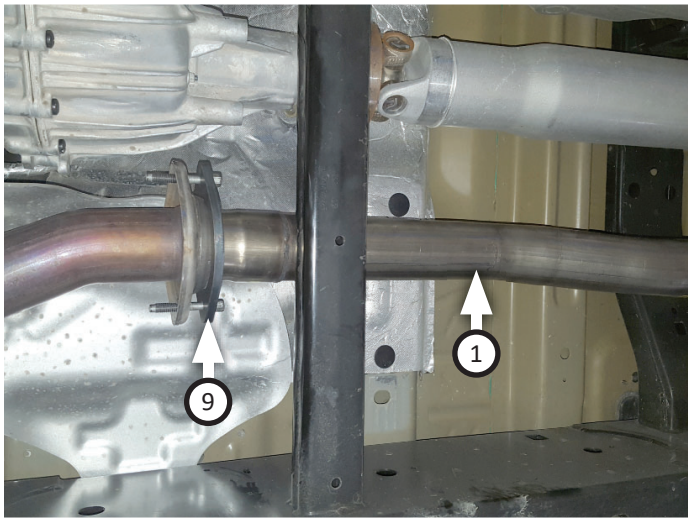
6. Every slip fit connection in this kit must seat 3" deep except for muffler connections which must seat 2" deep. Find all slip fit components in your kit and mark them accordingly so your Flowmaster exhaust system fits properly onto your vehicle.



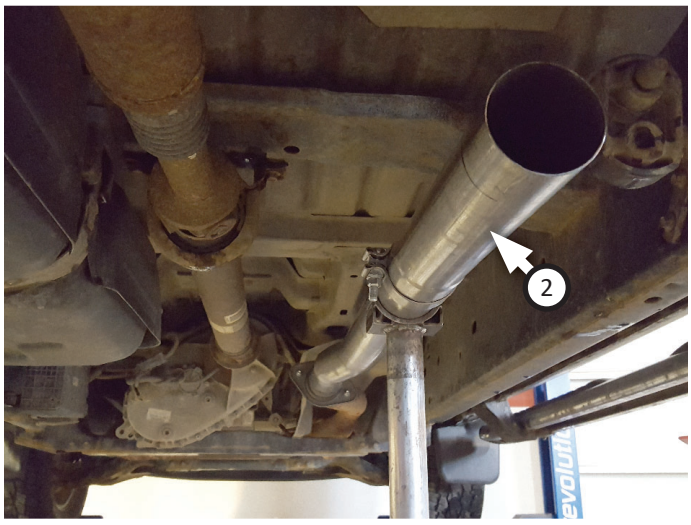
7. If your vehicle falls within the specifications listed below, apply the corresponding modifications or assembly combinations to this kit to ensure it will install properly.

WHEEL BASE	BODY STYLE	BED LENGTH	INLET ASSY:	MODIFICATION
141"	Regular Cab	8'	Inlet Pipe only	Trim 4" from inlet pipe
145"	SuperCrew	5'5	Inlet Pipe only	None
145"	SuperCab	6'5	Inlet Pipe only	None
157"	SuperCrew	6'5	Inlet+Extension	Trim 6" from extension pipe
163"	SuperCab	8'	Inlet+Extension	None

8. Place **flange (9)** on **inlet pipe (1)** then connect assembly to head pipe. Fasten flanges with (x2 ea.) nuts and bolts (removed step 4) just enough to hold parts. Orient inlet pipe straight with its bend facing down for proper fit.



9. If applicable, place **clamp (7)** onto **extension (2)** then connect it to inlet pipe. Tighten clamp just enough to allow for adjustment.

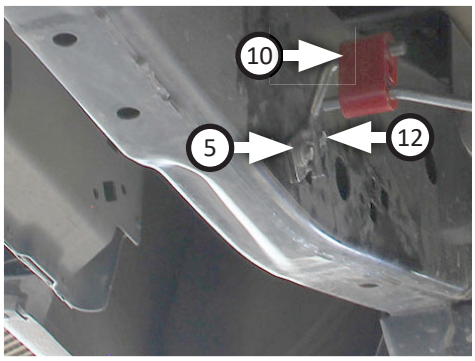


NOTE: Complete this step if you have a V8 model vehicle, otherwise, move on to next step.

10. Remove factory frame hanger, retain bolts and transfer u-nuts over to forward position. Install **side frame hanger (5)** to vehicle with (x2) **bolts (12)**. Hang **rubber hanger (10)** on side frame hanger end.

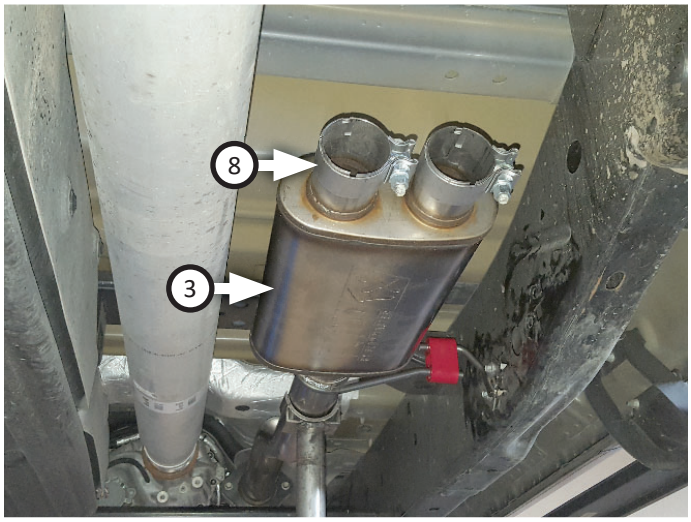






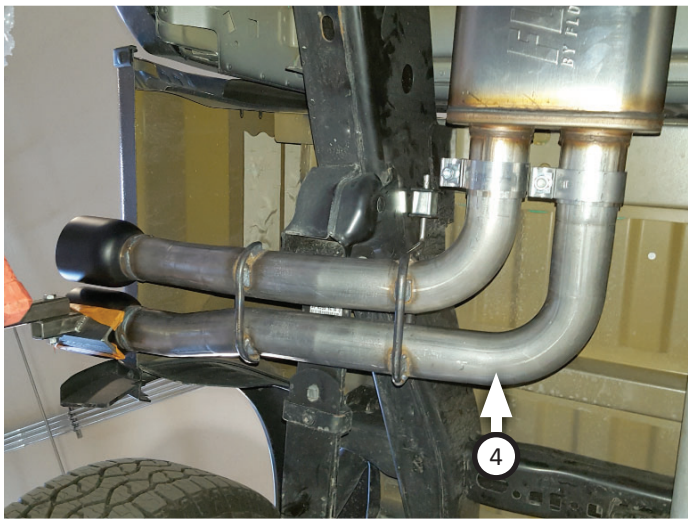
---

11. Place **clamp (7)** onto **muffler (3)** then connect it to inlet/ extension pipe. Tighten clamp just enough to allow for adjustment then place (x2) **clamps (8)** onto muffler outlets.



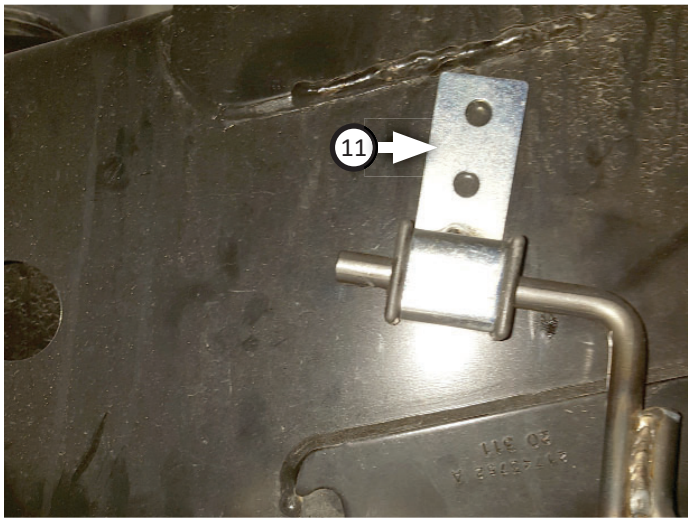
---

12. Connect **exit pipe assembly (4)** to muffler. Adjust system until tips are positioned properly then hold them in place with a stand. Tighten clamps just enough to hold parts in place.



13. Verify system is properly positioned, then insert **bracket (11)** onto exit pipe assembly. Set bracket against vehicle frame and mark holes. Remove bracket, drill holes then fasten bracket in place with bolts (removed step 10).





14. Adjust exhaust components for fit; maintaining ½" clearance and compensating for suspension, travel and vibration, then tighten all clamps.
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!



FLOWMASTER® INC.
THE PERFORMANCE TECHNOLOGY COMPANY

718116

2021-27 FORD F-150
2.7T, 3.5T & 5.0L ENGINE

