



Installation Instructions
717909
2019-21 FORD RANGER
2.3L ENGINE
2/4 WD & 126.8" Wheelbase
 EC/CC Cabs
 61" and 72.7" Bed Length

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	26783M	Inlet Pipe	1
2	26785M	Interior Pipe	1
3	71419-Z	FlowFX Muffler	1
4	26786M	Tailpipe	1
5	ST509B	Tip	1
N/A	PK1017	Hardware Package includes:	1
6	MC250BS	2½" Stainless Band Clamp	1
7	MC300BS	3" Stainless Band Clamp	3
8	HW502	⅞" Hanger Keeper	3

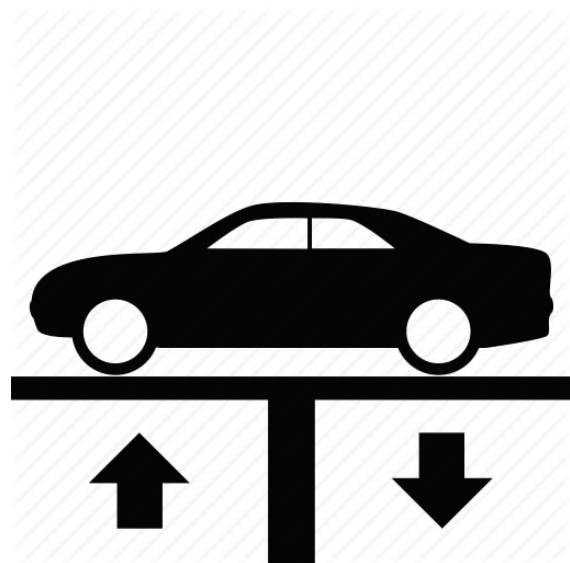
REMOVE STOCK EXHAUST SYSTEM:

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.

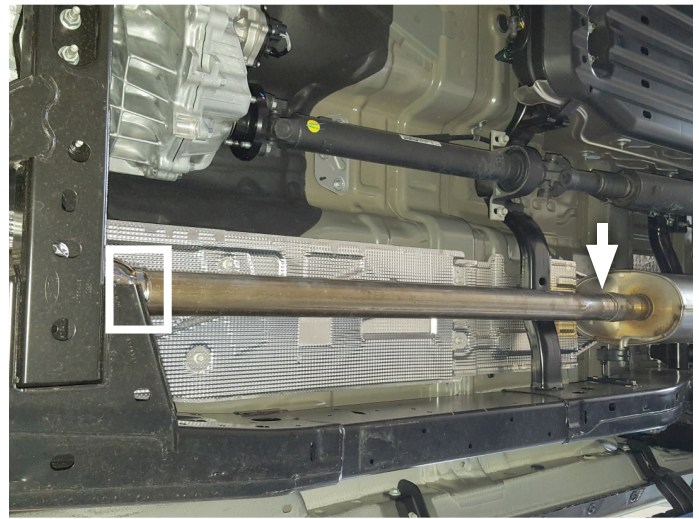
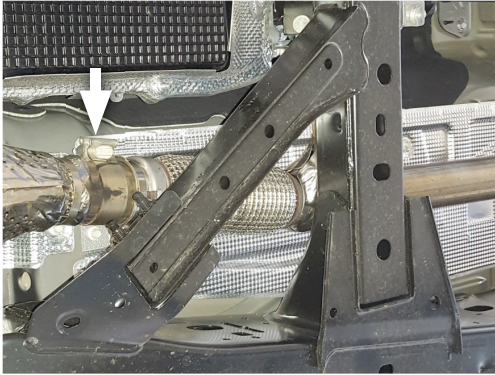
WARNING:
 Avoid serious burns! Allow your vehicle time to cool completely before touching any factory engine components.

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.



- Loosen clamps (x2) at catalytic converter and muffler inlet then remove inlet pipe from vehicle.



- Support muffler and disassemble wire hangers from isolators. Remove tailpipe section from vehicle and set it aside.

NOTE: If it is too difficult disengage any wire hangers out their isolators, you may instead unbolt isolator mounts and transfer them to your new system. Then, during install, re-bolt mounts back onto vehicle.



INSTALL FLOWMASTER EXHAUST SYSTEM

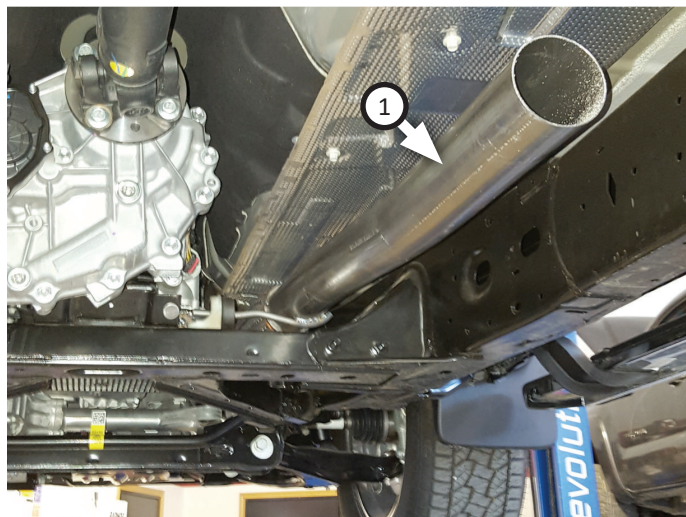
- Remove nuts from stock and Flowmaster clamps, apply anti-seize compound to bolts and re-install nuts.

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

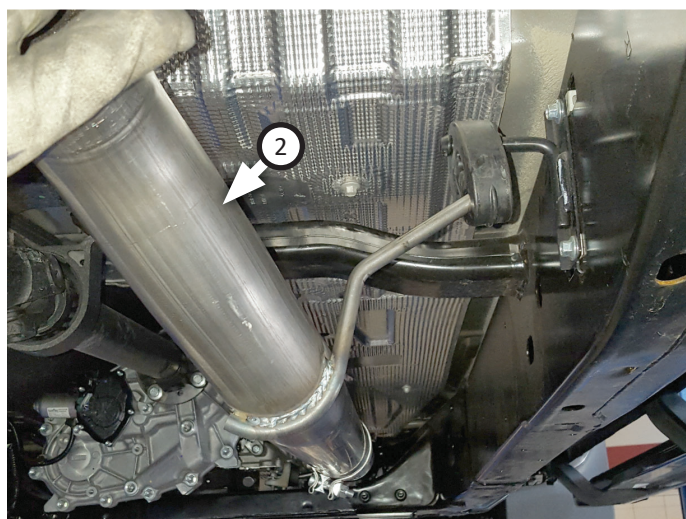
- Every slip fit connection in this kit must seat 3" deep except for muffler connections which must seat 2" deep. Find all slip fit components in your kit and mark them accordingly so your Flowmaster exhaust system fits properly onto your vehicle.



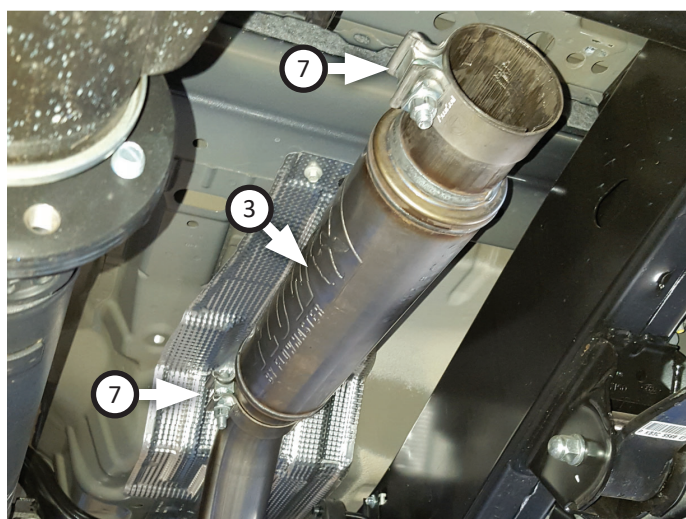
7. Place **clamp (6)** onto **inlet pipe (1)** then connect it to catalytic converter. Insert wire hanger into isolator and tighten clamp enough to allow for adjustment.



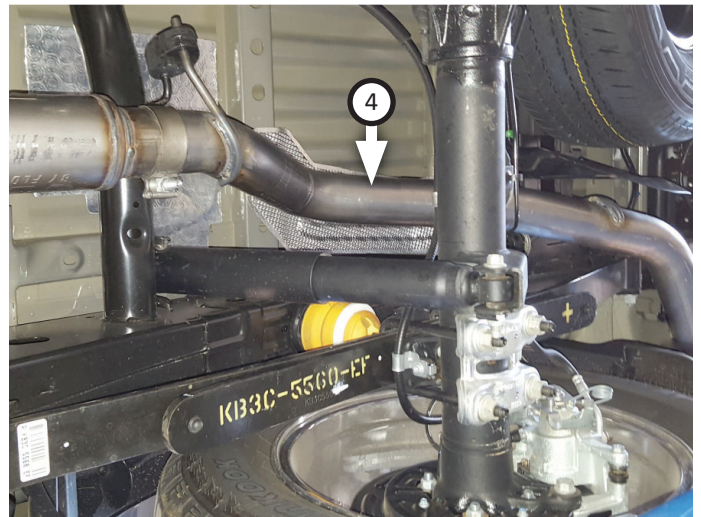
8. Place **clamp (7)** onto **intermediate pipe (2)** then connect it to inlet pipe with bend oriented upwards. Insert wire hanger into isolator and tighten clamp enough to allow for adjustment.



9. Place **clamp (7)** onto **muffler (3)** then connect it to intermediate pipe. Tighten clamp just enough to allow for adjustment then place **clamp (7)** onto muffler outlet.



- Route **tailpipe (4)** over axle and connect it to muffler. Insert wire hangers into isolators and tighten clamp just enough to allow for adjustment.



- Place **tip (5)** onto tailpipe and tighten inlet. Rotate tailpipe and tip to desired distance from body or bumper, so angle cut on tip is properly positioned.
- Adjust exhaust components for fit; maintaining $\frac{1}{2}$ " clearance and compensating for suspension, travel and vibration then tighten all clamps. Finally, fit (x3) **hanger keepers (8)** onto each sideways hanger.
- 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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