



Installation Instructions
717805
2010-23 TOYOTA 4RUNNER
4.0L 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	86612M	Inlet Pipe Assembly	1
2	71416-Z	FFX Muffler	1
3	86613M	Overaxle Assembly	1
4	86614M	Exit Pipe Assembly	1
N/A	PK1012	Hardware Pack includes:	1
5	MC250BS	2½" Stainless Band Clamp	3

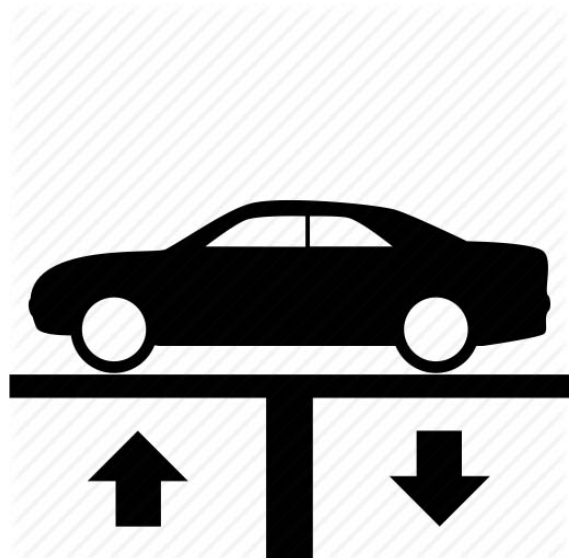
REMOVE STOCK EXHAUST SYSTEM:

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.



3. Unbolt tailpipe connection behind muffler, then remove factory tailpipe hanger from rubber mount on vehicle and set tailpipe aside.



4. Remove (x2) factory spring loaded bolts at inlet pipe flange connection and set aside. Retain bolts and springs for later use.



5. Separate (x4) hangers on muffler and front pipe assembly from rubber mounts on vehicle; then remove assembly from vehicle.



INSTALL FLOWMASTER EXHAUST SYSTEM

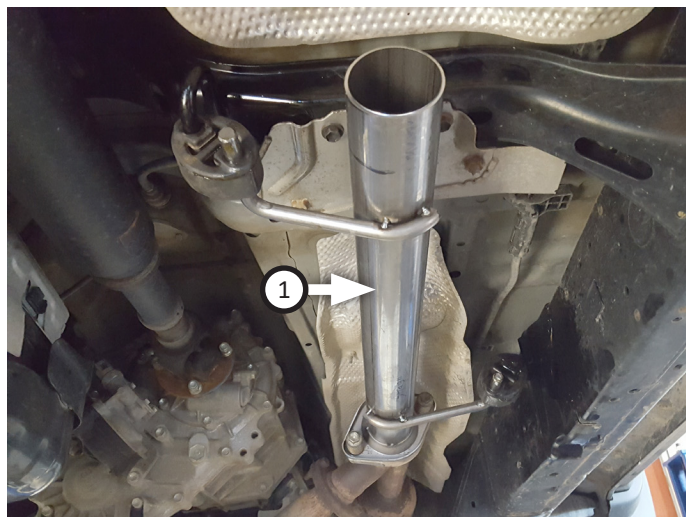
6. Remove nuts from stock and Flowmaster clamps, apply anti-seize compound to bolts and re-install nuts.

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

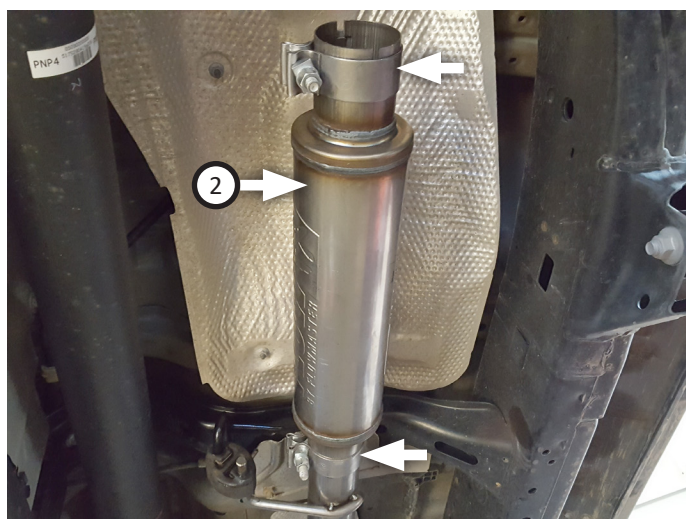
7. Every slip fit connection in this kit must seat 3" deep except for muffler connections which must seat 2" deep. Find all slip fit components in your kit and mark them accordingly so your Flowmaster exhaust system fits properly onto your vehicle.



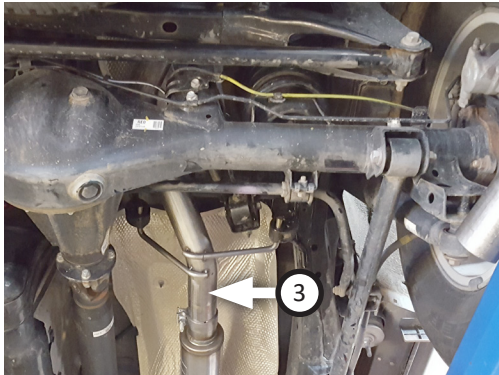
8. Connect **inlet pipe assembly (1)** to flanges using (x2 ea.) bolts and springs (removed step 4), then insert wire hangers into mounts.



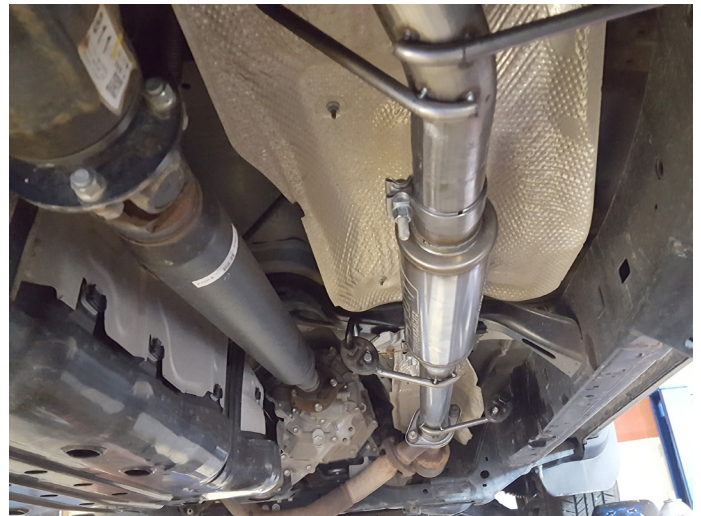
9. Place (x2) **clamps (5)** onto **FFX muffler (2)** then connect it to inlet pipe. Tighten front clamp just enough to allow for adjustment.



10. Route **overaxle assembly (3)** over axle and connect it to muffler then insert wire hangers in mounts. Place **clamp (5)** onto **exit pipe assembly (4)** and connect it to overaxle pipe. Tighten clamps enough for adjustment.



11. Adjust exhaust components for fit; maintaining $\frac{1}{2}$ " clearance and compensating for suspension, travel and vibration. Finally, tighten all clamps.
12. 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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