



OUTLAW[®]

S E R I E S

Installation Instructions

817692

2009*-21 TOYOTA TUNDRA
4.0L, 4.6L, 4.7L, 5.7L ENGINE
 Fits all except Standard Cab/Short Bed
 & Double Cab/Long Bed
 *Built after 08/2008

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.
7	26451S	Rear Exit Pipes R/L	2
8	26452S	Side Exit Pipes R/L	2
9	ST462B	Tips	2
N/A	PK773	Hardware Pack includes:	1
10	MC250BS	2½" Band Clamps	2
11	MC300BS	3" Band Clamps	5
12	477HA	Right Inlet Pipe Clamp Hanger	1
13	478HA	Left Inlet Pipe Clamp Hanger	1
14	479HA	Left Rear Frame Hanger	1
15	HA566	Backing Plate	1
16	HA168	Rubber Hanger	1
17	HW103	¾" Nut	1
18	HW303	¾" Flat Washer	2
19	HW309	¾" Lock Washer	1
20	HW503	½" Hanger Keeper	1

ITM #	PART #	DESCRIPTION	QTY.
1	86216S	Left Inlet Pipe	1
2	86217S	Right Inlet Pipe	1
3	8425154-Z	OTL Muffler	1
4	26449S	Right Tailpipe	1
5	26448S	Left Front Tailpipe	1
6	26450S	Left Rear Tailpipe	1

REMOVE STOCK EXHAUST SYSTEM:

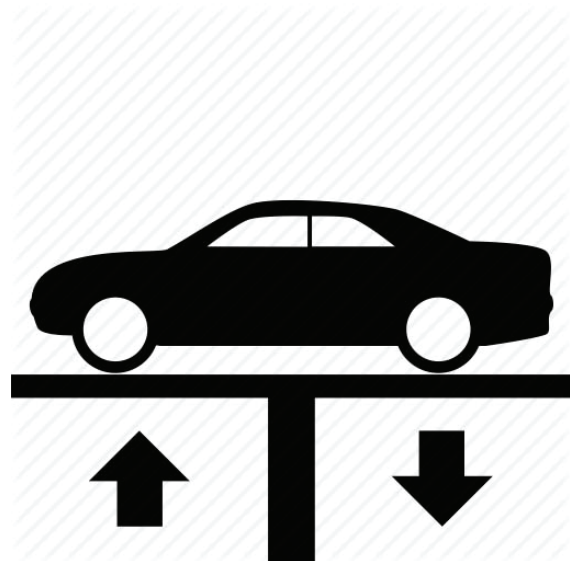
2. Raise vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, support vehicle with jack stands.

WARNING:

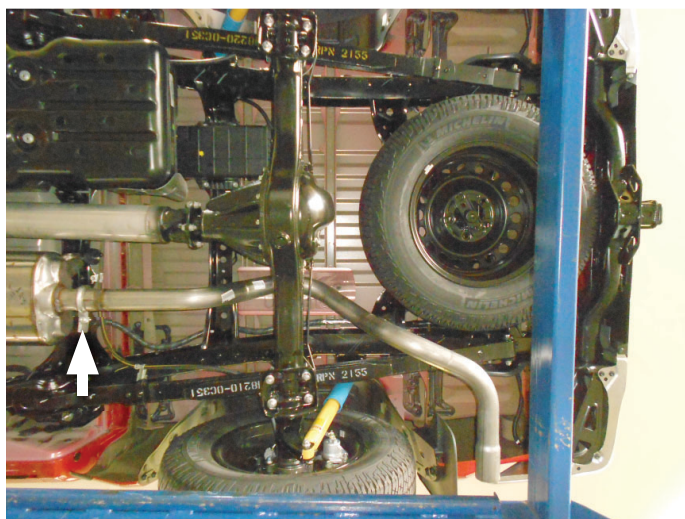
Avoid serious burns! Allow your vehicle time to cool completely before touching any factory engine components.

To ease preparation and installation of your new kit:

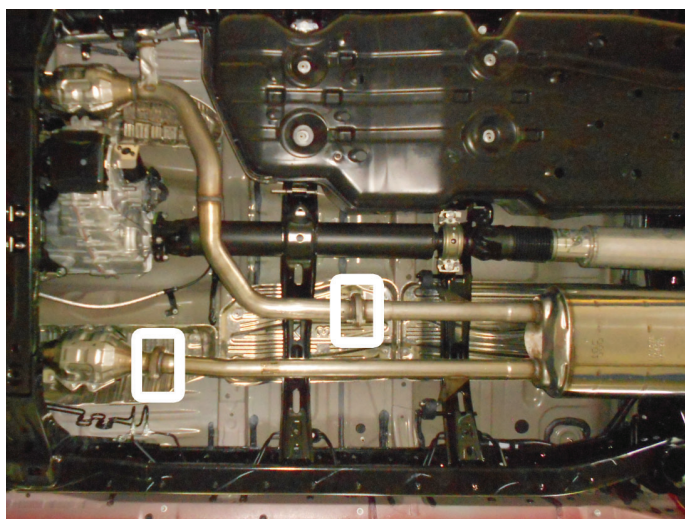
- Apply penetrating lubricant to mounts, bolts and clamps before you remove them.
- Use stands as necessary to support parts as you detach them from your vehicle and again as you install new parts.



3. Unbolt tailpipe connection at muffler exit. Disassemble wire hangers from isolators then remove tailpipe section from vehicle.



4. Remove bolts (x4) from front flange connections. Disassemble wire hangers from isolators then remove muffler assembly from vehicle. Retain bolts for later use.



INSTALL FLOWMASTER EXHAUST SYSTEM

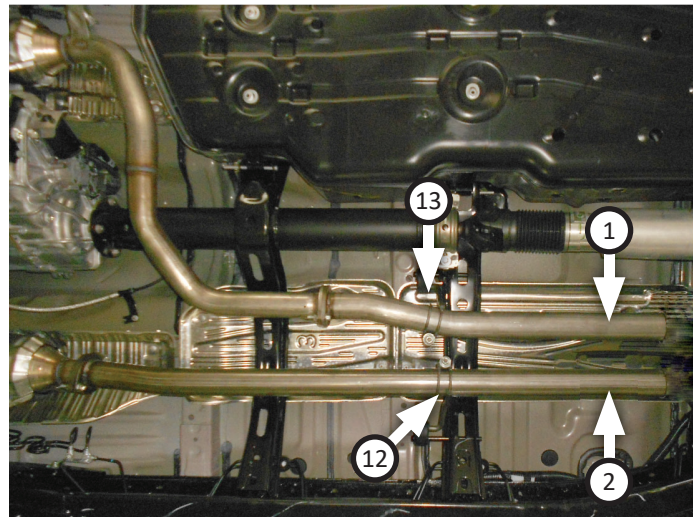
5. Remove nuts from stock and Flowmaster clamps, apply anti-seize compound to bolts and re-install nuts.

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

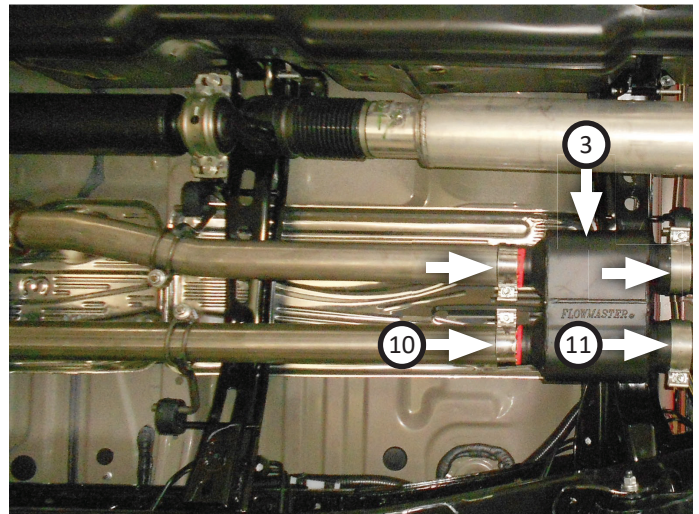
6. Every slip fit connection in this kit must seat 3" deep except for muffler connections which must seat 2" deep. Mark all slip fit components in your kit and mark them accordingly so your Flowmaster exhaust system fits properly onto your vehicle.



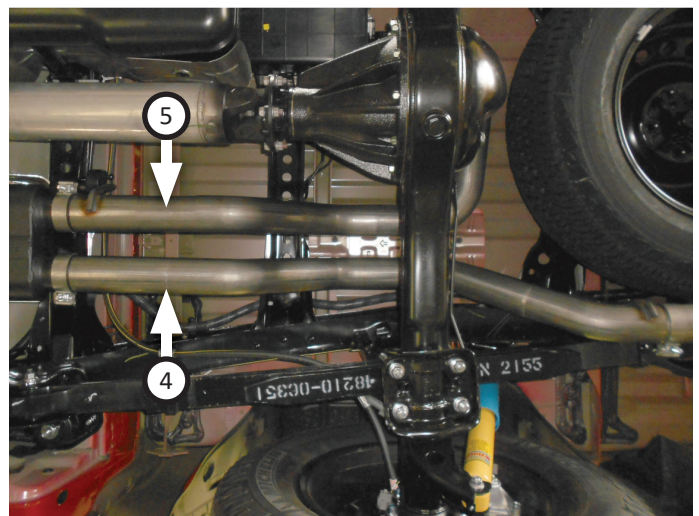
7. Connect **left and right inlet pipes (1, 2)** to flanges using bolts (x4) (removed step 4). Place **left and right inlet pipe clamp hanger (12, 13)** onto inlet pipes then insert them into isolators.



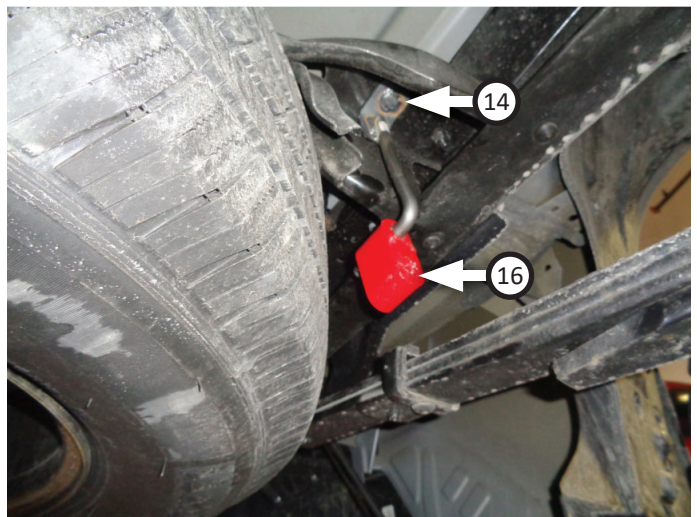
8. Place **clamps (x2) (10)** onto **muffler (3)** inlets then connect it to inlet pipes. Tighten clamps just enough to allow for adjustment. Then place **clamps (x2) (11)** onto muffler outlets.



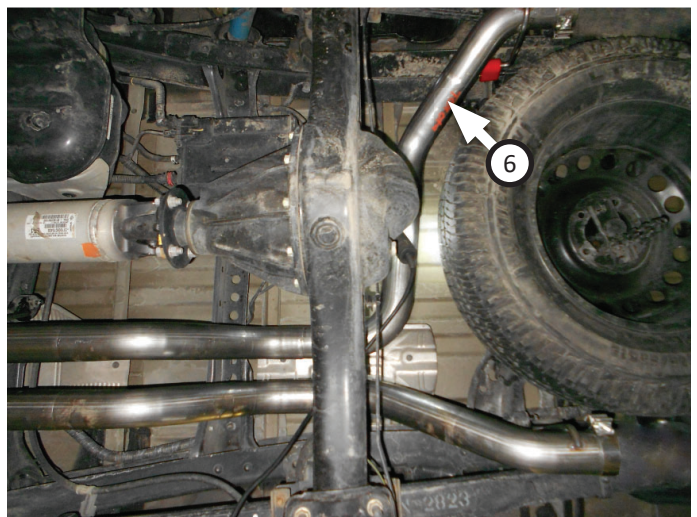
9. Connect **right and left front tailpipes (4, 5)** to muffler outlets. Tighten clamps just enough to allow for adjustment.



10. Locate large hole in square cavity on left rear frame rail. Install **backing plate (15)** on top side of frame and **left rear hanger (14)** below, using **flat washers (x2) (18)**, **lock washer (19)** and **nut (17)** to fasten it. Finally, slide **rubber hanger (16)** onto hanger rod.

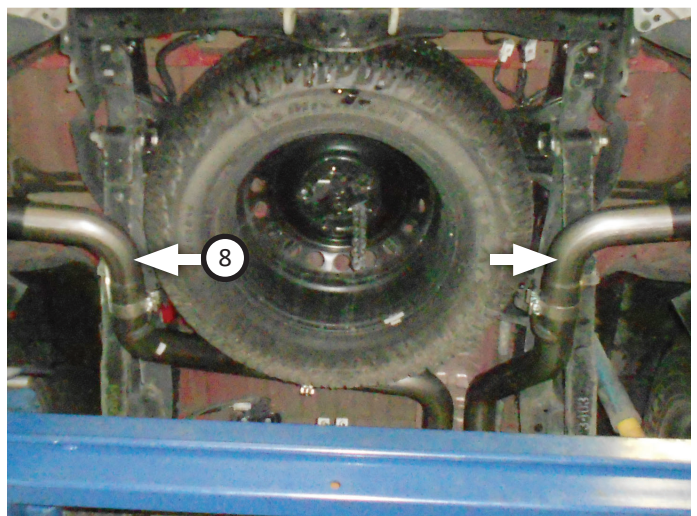


11. Place **clamp (11)** onto left front tailpipe then connect **left rear tailpipe (6)** to it, routing it over axle. Insert wire hangers into isolators then tighten all clamps enough to allow for adjustment.

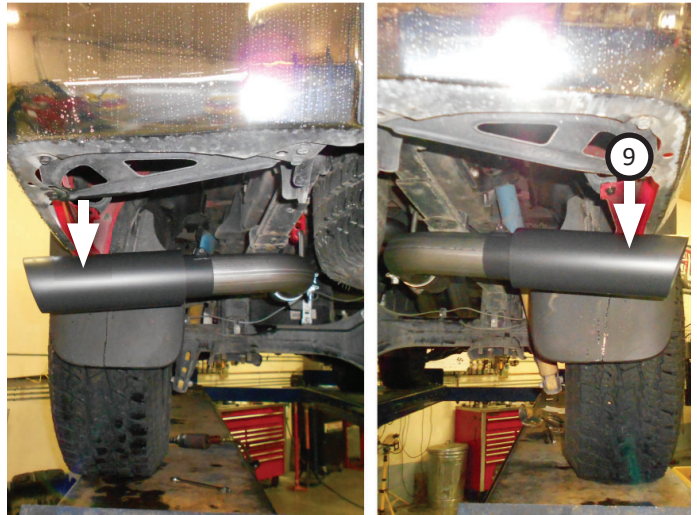


NOTE: This kit includes both side and rear exit pipes. A side exit is preferable for towing purposes, to avoid blowing fumes in or on vehicles you may be towing (eg: RV trailer, boat, etc). Otherwise, complete this step using **rear exit pipes (7)** in place of side exit pipes.

12. Place (**x2 ea.**) **clamps (11)** onto **side exit pipes (8)** then connect them to tailpipes. Tighten clamps enough to allow for adjustment.



13. Install **stainless tips (x2) (9)** onto exit pipes then tighten inlets. Rotate exit pipes and tips to desired distance from body or bumper, so angle cut on tips are in desired position.



14. Adjust exhaust components to provide a satisfactory fit. Maintain a minimum of ½" clearance around all components of exhaust system, keeping in mind suspension, travel and vibration. After making any required adjustments, securely tighten the clamps.
15. Slide **hanger keeper (HW503)** onto sideways hanger to prevent system from slipping out isolator mounts.
16. We recommend applying a one inch tack weld to all slip-fit connections for a more secure installation. You may also apply high temperature paint over welded areas 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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