



FORCE II®

Installation Instructions
817575
2011-21 JEEP GRAND CHEROKEE
3.6L & 5.7L ENGINE
DUAL EXHAUST

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	15167S	Right Resonator	1
2	15168S	Left Resonator	1
3	86700S	Scavenger Assembly	1
4	852559-292	Left Muffler	1
5	852559-293	Right Muffler	1

ITM #	PART #	DESCRIPTION	QTY.
N/A	PK662	Hardware Package includes:	1
6	453HA	Front Frame Hanger	2
7	MC250BS	2½" Stainless Band Clamp	4
8	HW213	M10-1.5 x 60 Bolt	4
9	HW506	¾" x 1½" Steel Spacer	4
10	HA168	Rubber Hanger	2
11	HW503	½" Hanger Keeper	4
12	HW303	¾" Flat Washer	4

REMOVE STOCK EXHAUST SYSTEM:

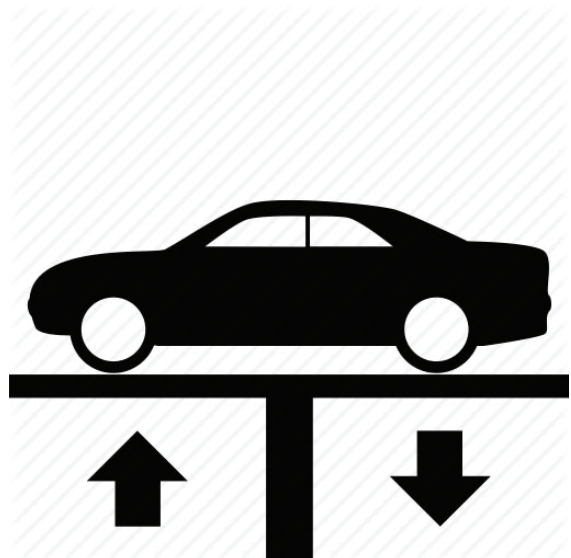
2. Raise vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, support vehicle with jack stands.

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.



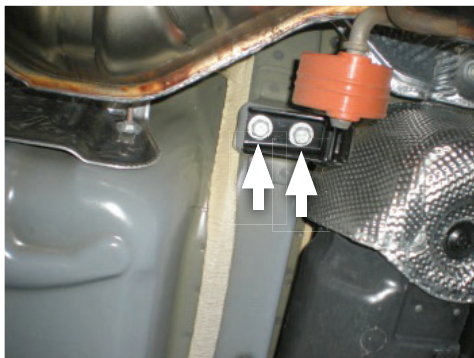
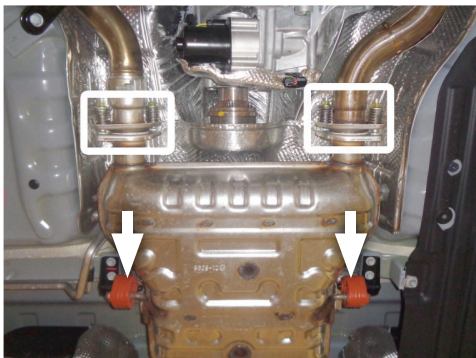
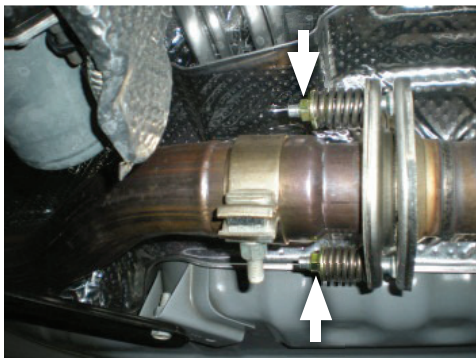
3. Support system with stands then remove (x2) nuts from driver side tailpipe flange. Disconnect its hanger from isolator to remove it. Finally, disconnect remaining (x3) hangers from isolators and remove tailpipe section.

NOTE: Reference driver side tailpipe when you disconnect passenger side hangers from isolators.



4. Remove fasteners and disconnect exhaust at front flange connections (x2). Retain (x4 ea.) springs and nuts. Disconnect wire hangers from isolators then remove exhaust from vehicle and set it aside.

5. Remove and retain (x4) bolts that attach first set of factory hanger mounts behind front flange connections.



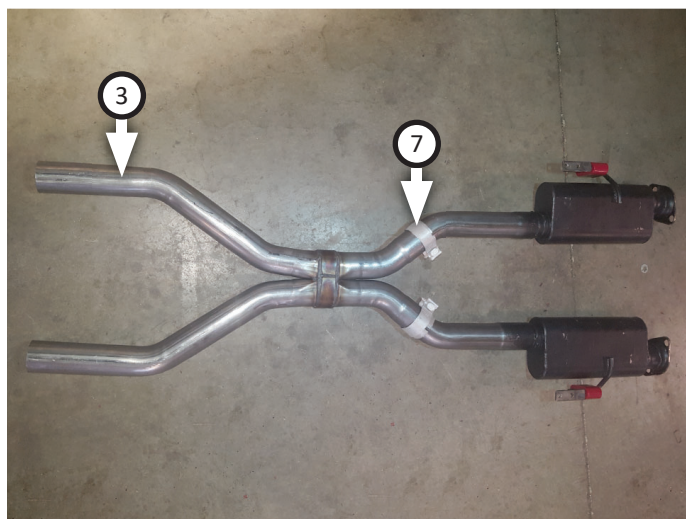
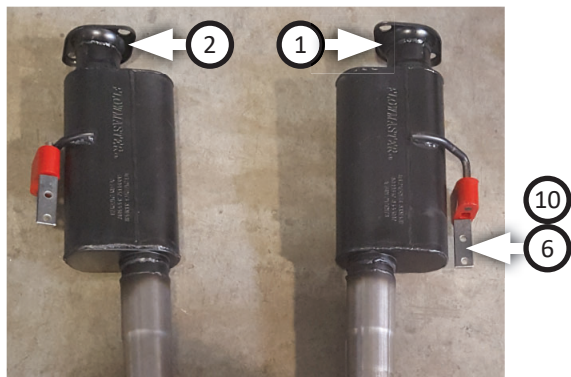
INSTALL FLOWMASTER EXHAUST SYSTEM:

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

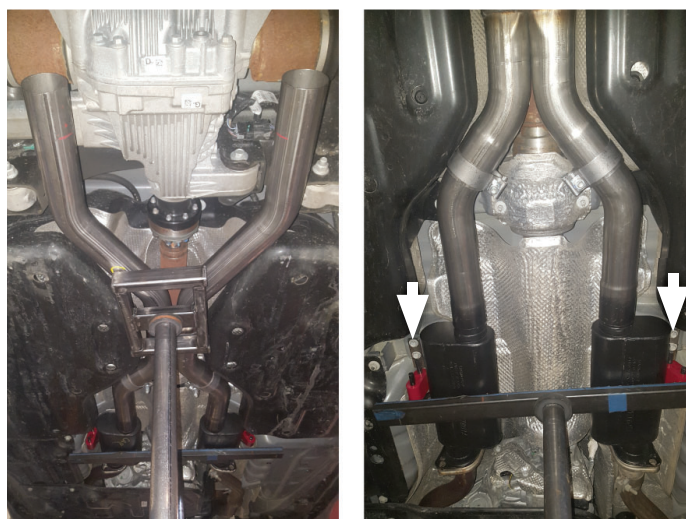
NOTE: The image in this step is intended for illustrative purposes only and may or may not accurately reflect components included in your kit.



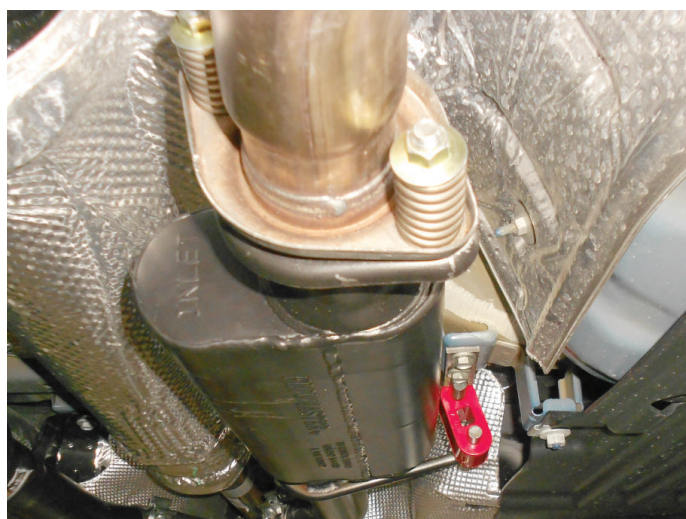
7. Connect (x2 ea.) **front frame hangers (6)** to resonators with **rubber hangers (10)**. Place **clamp (7)** onto **right (1)** and **left (2)** resonator, then connect them to **scavenger (3)**. Tighten clamps just enough to hold parts.



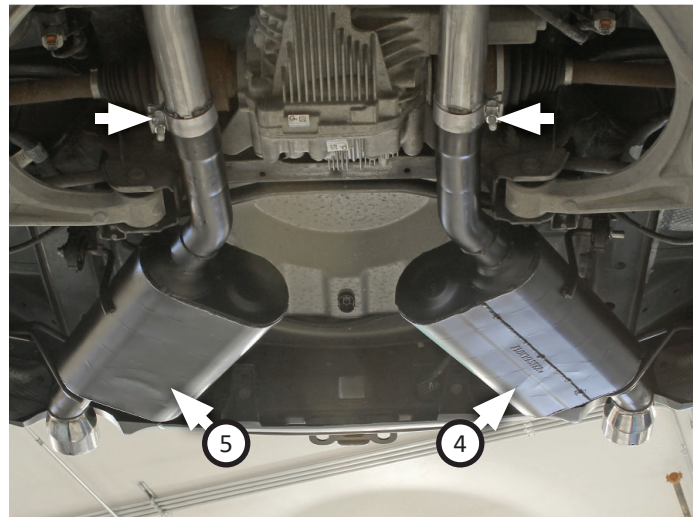
8. Place scavenger assembly into position to connect to factory exhaust. Set flanges together and secure mounts to vehicle frame with (x4) bolts (removed step 4).



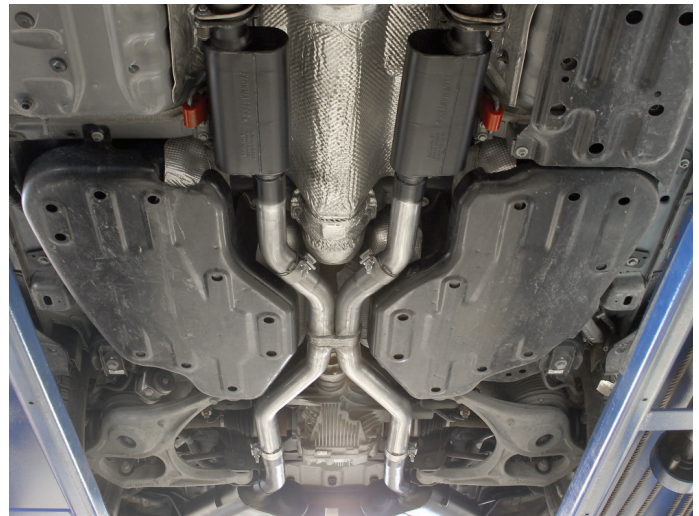
9. Secure resonator flange with (x2 ea.) **bolts (8)**, **spacers (9)**, **washers (12)**, nuts and springs (removed step 3) as shown. Repeat this step on remaining resonator flange.



10. Place **clamp (7)** onto **left muffler (4)** then connect it to scavenger, inserting wire hanger into isolator. Tighten clamp just enough to allow for adjustment. Repeat this on passenger side with **right muffler (5)**.



11. Adjust exhaust components for fit; maintaining $\frac{1}{2}$ " clearance and compensating for suspension, travel and vibration, then tighten all clamps. Finally, fit (x4) **hanger keepers (11)** onto each sideways hanger.
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!





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Installation Diagram
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