Installation Instructions

817844

2018-27 JEEP WRANGLER JL 3.6L ENGINE

Fits both 2 & 4-door models.

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	15192S	Resonator	1
2	86510S	Catalytic Adapter	1
3	86505S	Front Inlet Pipe	1
4	86506S	Rear Inlet Pipe	1
5	815425-515	Outlaw Muffler	1
N/A	PK964	Hardware Pack includes:	1
6	MC250BS	2½" Stainless Band Clamp	3
7	HW502	7/16" Hanger Keeper	3

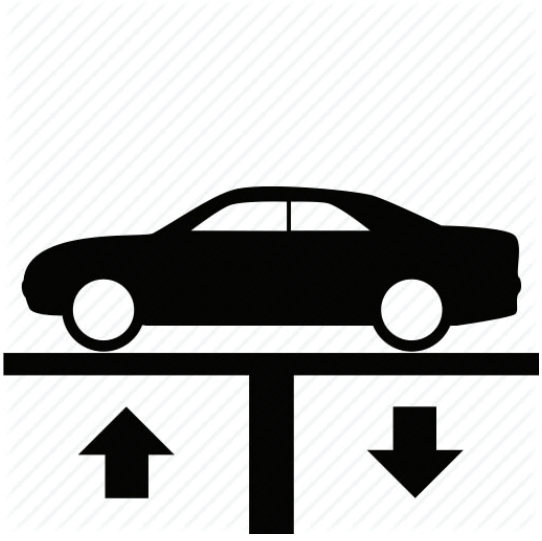
REMOVE STOCK EXHAUST SYSTEM:

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.

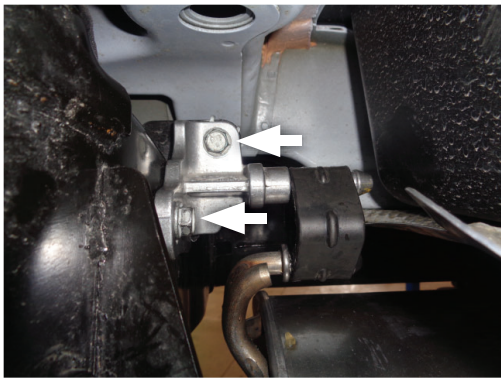
WARNING: Avoid serious burns! Allow your vehicle time to cool completely before touching any factory engine components.

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.

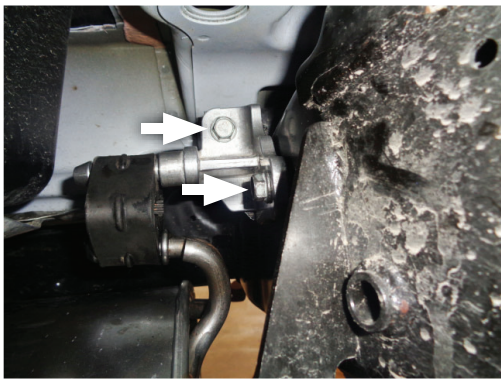


3. Remove bolts (x2) from mount on driver side above muffler.



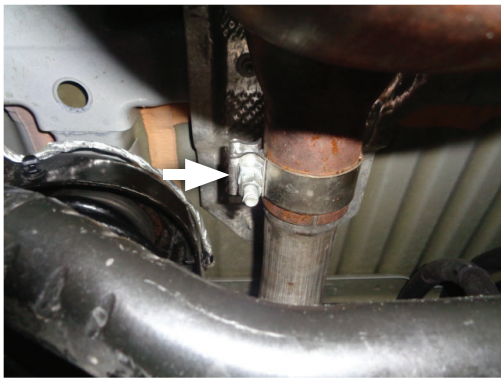


4. Remove bolts (x2) from mount on passenger side above muffler.





5. Loosen clamp at muffler inlet connection above rear axle.





6. Remove muffler from vehicle. Place stock muffler next to Outlaw muffler oriented in the same direction, then transfer mounts (x2) over.







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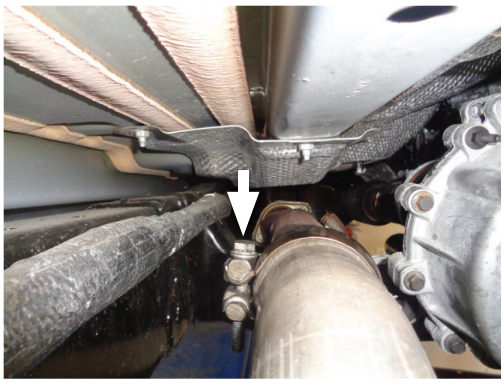
7. Remove stock hanger mount with a pry bar and retain for later use.





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8. Remove bolt on clamp at resonator inlet then remove assembly from vehicle. Retain clamp for later re-use.

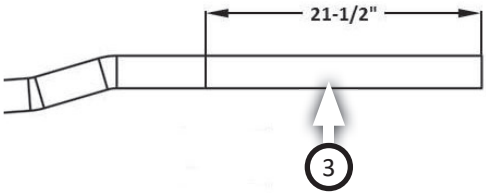




INSTALL FLOWMASTER EXHAUST SYSTEM:

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

FOR TWO-DOOR VEHICLES ONLY, cut 21½" from rear of **front inlet pipe (3)**.





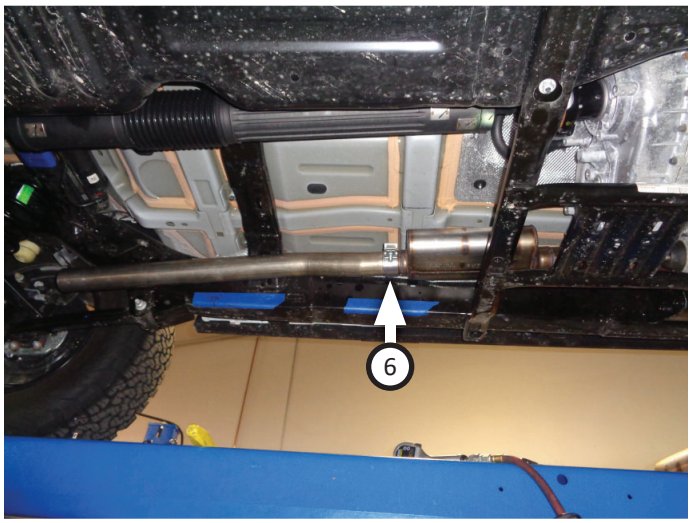
NOTE: If you would like the resonator delete option, complete this step using **catalytic converter (2)** in place of resonator.

10. Place clamp on **resonator (1)** then connect it to cat converter. Snug clamp enough to allow adjustment.



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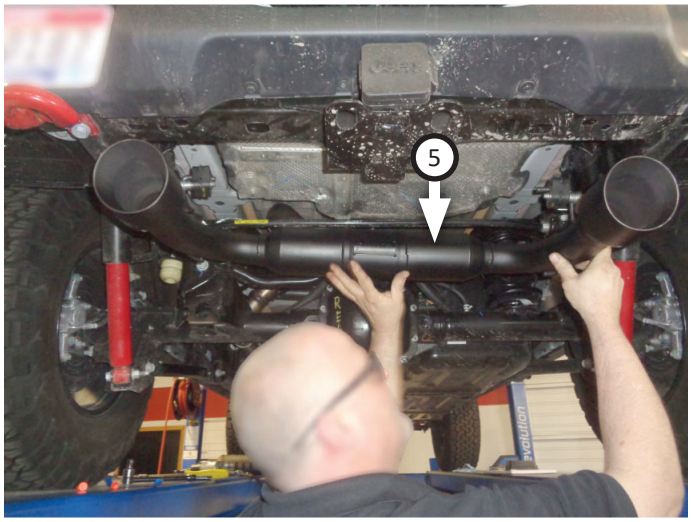
11. Place **clamp (6)** onto front inlet pipe then connect it to resonator. Make sure front inlet pipe bend is oriented upwards for maximum clearance. Tighten clamp just enough to allow for adjustment.



12. Place **clamp (6)** onto **rear inlet pipe (4)**, then connect it to front inlet pipe. Insert wire hanger into isolator then tighten clamp just enough to allow for adjustment.



13. Place **clamp (6)** onto **muffler (5)** then connect it to rear inlet pipe. Support muffler, then ensure all connections are completely seated.

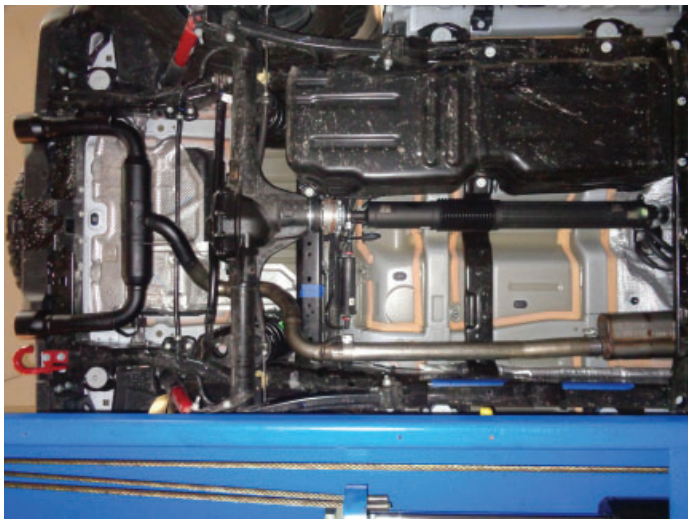


14. Place factory (driver and passenger side) hanger mounts into position, then reinstall and tighten factory bolts.





15. 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.
16. Adjust exhaust components for fit; maintaining ½" clearance and compensating for suspension, travel and vibration then tighten all clamps. Finally, fit (x3) **hanger keepers (7)** onto each sideways hanger.
17. 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

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OUTLAW
SERIES

Installation Diagram

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