



OUTLAW[®]

S E R I E S

Installation Instructions

817851

2018-22 JEEP WRANGLER JL 2-DOOR WITH 3.6L 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 | 815425-521 | Muffler | 1 |
| 2 | 86506S | Rear Inlet Pipe | 1 |
| 3 | 86499S | Tailpipe | 1 |
| N/A | PK968 | Hardware Package includes: | 1 |
| 4 | MC250BS | 2½" Stainless Band Clamp | 2 |
| 5 | HW502 | ¾" Hanger Keeper | 2 |

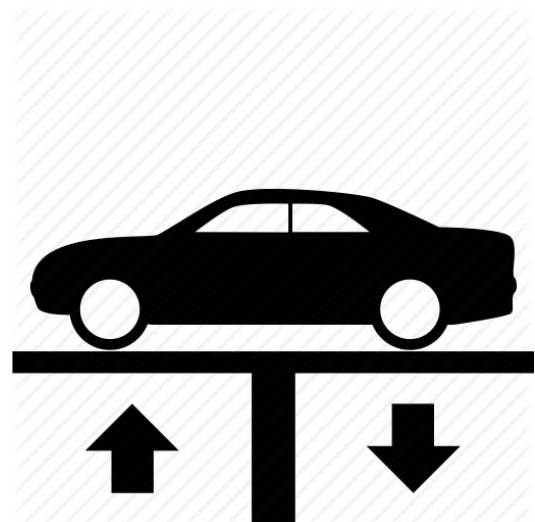
REMOVE STOCK EXHAUST SYSTEM:

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.

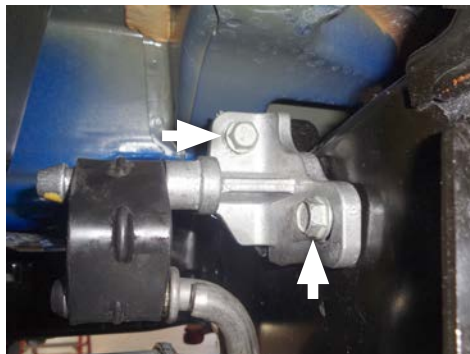
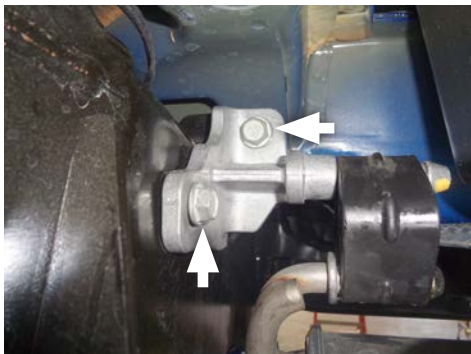
WARNING: Avoid serious burns! Allow your vehicle time to cool completely before touching any factory engine components.

To ease preparation and installation of your new kit:

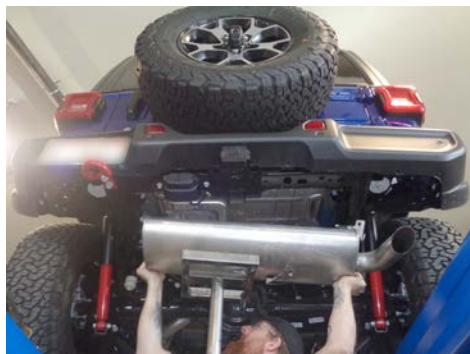
- Apply penetrating lubricant to mounts, bolts and clamps before you remove them.
- Use stands as necessary to support parts as you detach them from your vehicle and again as you install new parts.



3. Remove and retain (x2 ea.) bolts from muffler hanger mounts (passenger and driver sides) for later use.



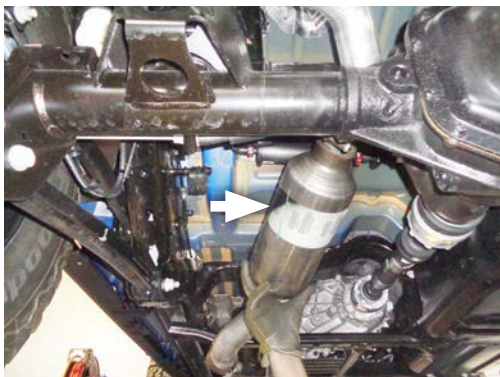
4. Loosen clamp then remove muffler from vehicle. Place it next to **tailpipe (3)** and transfer driver mount over.



5. Remove factory rear of resonator assembly from rubber isolator then loosen bolt on clamp at inlet clamp.



6. Rotate and remove resonator assembly from vehicle. Remove and retain its clamp for later use.



INSTALL FLOWMASTER EXHAUST SYSTEM:

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

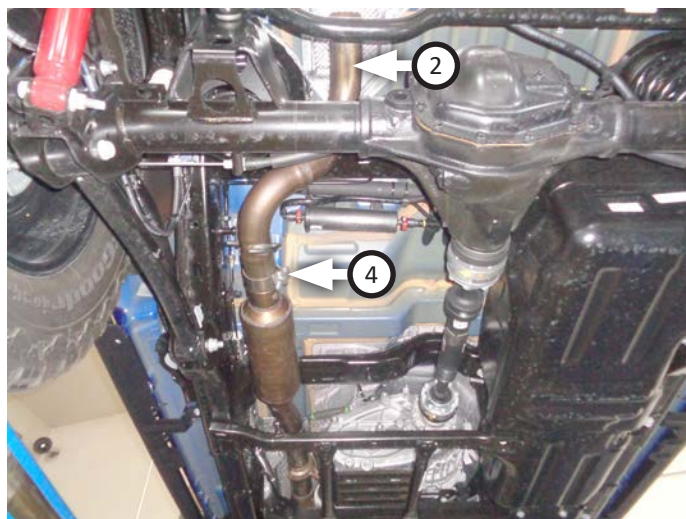
NOTE: The image in this step is intended for illustrative purposes only and may or may not accurately reflect components included in your kit.



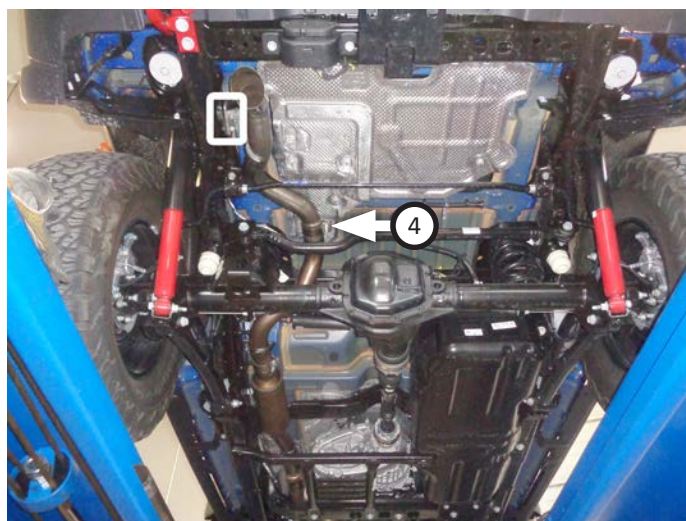
8. Place factory clamp (removed step 11) onto **muffler (1)**, then connect it to factory pipe. Tighten clamp just enough to allow for adjustment.



9. Place **clamp (4)** onto muffler outlet then connect **rear inlet pipe (2)** into it with bend oriented over axle. Tighten clamp just enough to allow for adjustment.



10. Place **clamp (4)** onto slip-fit of tailpipe then connect it to rear inlet pipe. Fasten mount to frame with bolts (x2) (removed step 3). Tighten clamp just enough to allow for adjustment.



11. Adjust exhaust components for fit; maintaining $\frac{1}{2}$ " clearance and compensating for suspension, travel and vibration, then tighten all clamps. Fit (x2) **hanger keepers (5)** onto each sideways hanger.
12. Recommended: Secure slip-fit connections with a 1-inch tack weld then spray high-temp paint over each weld.

Congratulations, the installation of your FLOWMASTER performance exhaust system is now complete!





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Installation Diagram
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