



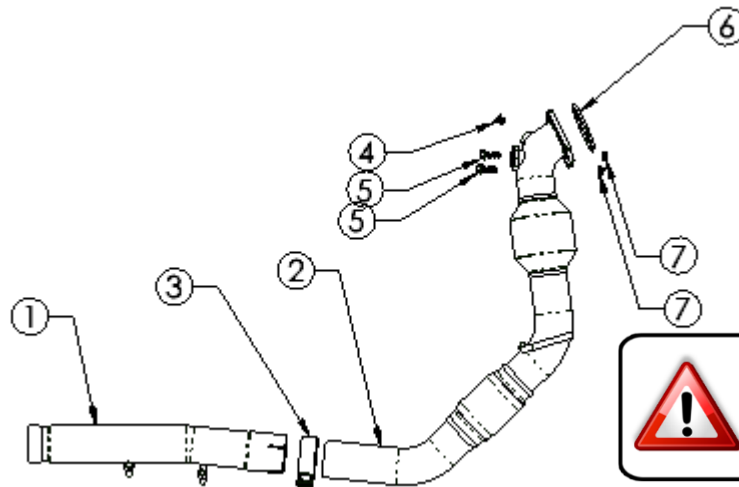
INSTALLATION INSTRUCTIONS

MAKE: Jeep
MODEL: Wrangler JL
YEAR: 2018-2021
ENGINE: I4-2.0L(t)

Twisted Steel Down Pipe

48-38028-YC (w/Cats)

48-38028-YN (Pipes Only)



RACE ONLY DISCLAIMER

This is a Race Only product that is to be used solely for competition, it cannot be used on vehicles that are operated on public streets, roads or highways. Its use is limited to closed-course and open-course racing that is formally sanctioned by a recognized racing organization. Any other use, including recreational off-road use, could be in violation of local, state and federal laws. A competition acknowledgement / liability release form must be filled out and submitted.

Item	Description	Part Number	Quantity
1	Rear Down-Pipe	05-145740	1
2	Front Down-Pipe w/Cat (-YC)	03-145739	1
2	Front Down-Pipe Only (-YN)	03-145738	1
3	Clamp, Band: 3"	05-41055	1
4	Plug; M18x1.5	05-46018	1
5	Bolt, Flange: 3/8-16 x 1-1/4"	03-50427	2
6	Gasket, Jeep Turbo Outlet	05-43245	1
7	Nut, Flange: 3/8-16	05-40103	2

aFe POWER recommends professional installation on this product. Thoroughly inspect the aFe POWER exhaust system to make sure there is no damage from shipping (if damage is noted, immediately contact aFe POWER customer service). Allow time for your vehicle to cool down prior to installation. When working on your vehicle proceed with caution. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation.

Install band clamps to proper torque specifications of 40-45 ft-lb.





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1. **(Read instructions prior to installation.)** It is recommended to not fully tighten the exhaust until it has been fully installed. Leave loose for adjustability.
2. Secure vehicle on jack stands (refer to your manual for specified jack stand positions).
3. Disconnect the battery.
4. Remove the engine cover.
5. Unbolt coolant reservoir and set aside. **DO NOT REMOVE HOSES.**
6. Remove the driver side front wheel and fender flare, and fender liner.
NOTE: INNER FENDER LINER AND FENDER FLARE ARE REMOVED AS A UNIT.
NOTE: DO NOT DRILL RIVETS ON OUTSIDE OF FENDER FLARE.
7. Remove cross members.
8. Unplug all the O2 sensor from the wire harness.
9. Remove the O2 sensor from the down pipe.
10. Remove the down pipe heat shield.
11. Remove the EGR pipe from the OE down pipe and the engine.
12. Remove the factory ball clamp connecting the OE Down pipe to OE exhaust and set aside.
13. Remove the bolts and nuts securing the down pipe to the engine.
14. Remove the (x4) bolts securing the driveshaft to transfer case and lower driveshaft out of the way.
15. Remove the OE down pipe.
16. Install the O2 Sensors into the aFe front down pipe assembly
17. Install the aFe front down pipe assembly using the stock bolts and nuts supplied (x1) gasket.
18. Install the rear down pipe assembly onto the front down pipe assembly using the (x1) supplied 3" band clamp, but do not tighten.
19. Install the Rear down pipe Assembly onto the OE exhaust using the OE ball clamp loosely tighten the ball clamp.
20. Reinstall the EGR to the aFe down pipe using the supplied bolts and nuts but do not tighten.
21. Ensure that all the components of the aFe down pipe system are aligned.
22. Start from the front of the aFe down pipe system and evenly tighten all clamps and fasteners.
23. Reinstall the heat shield
24. Plug the O2 Sensors into the wire harness.
25. Install the cross member.
26. Install the front wheel and fender flare,
27. Reinstall cross member.
28. Reinstall driveshaft.
29. Reinstall Coolant reservoir.
30. Reinstall the engine cover.
31. Reconnect the battery.
32. Ensure that all the components of the aFe POWER exhaust system are aligned and are at a safe clearance from all wires, hoses, brake lines, body parts, and tires.
33. Start the vehicle and check for any leaks. If any leaks are found, determine cause and repair as necessary.
34. Remove vehicle from jack stands.
35. It is recommended to re-tighten all clamps and hardware after 50-100 miles.