

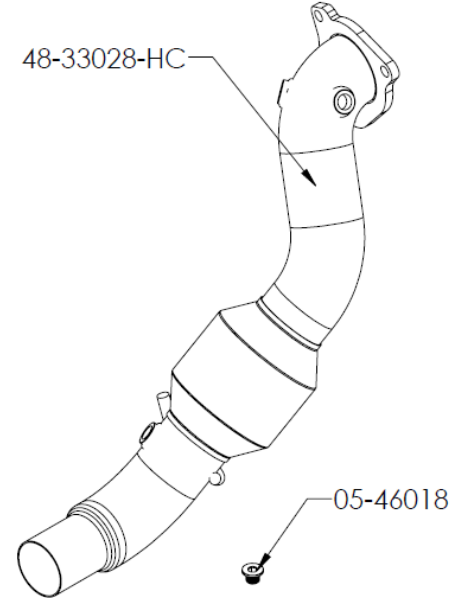
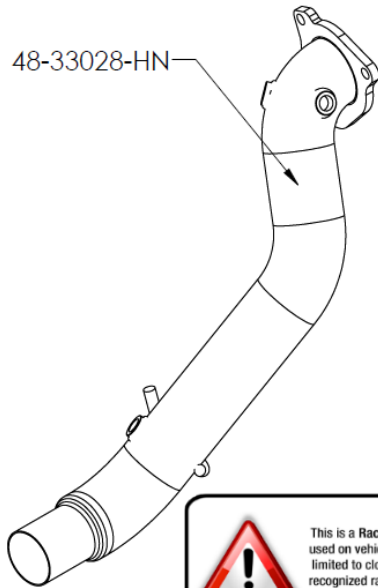


INSTALLATION INSTRUCTIONS

MAKE: FORD
MODEL: RANGER
YEAR: 2019-2020
ENGINE: L4-2.3L (t)

304SS DOWN-PIPE

48-33028-HC (Street)
48-33028-HN (Race)



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.

1. **(Read instructions prior to installation.)** Secure vehicle on jack stands (refer to your manual for specified jack stand positions).
2. Disconnect the battery before starting work on the exhaust system.
3. Using a panel clip remover, remove the coolant line attached to the stock intake hose and disconnect the vent fitting hose.
4. Using a 7mm nut driver, loosen both clamps attaching the stock intake hose to the throttle body and the OE air box.
5. Remove the intake tube and disconnect the air temperature sensor.
6. Using a panel clip remover, remove the two attachments to the OE air box.
7. Using a T30 torx driver, remove the two screws holding down the air scoop then remove the air scoop.
8. Remove the (2) 8mm screws securing the OE air box to the engine bay then remove OE air box.
9. Secure the stock exhaust system with jack/stands.
10. Remove the OE muffler at the clamped joint located at the front of the muffler by loosening the 15mm nut on the band clamp.
11. Remove the hanger from the OE isolation mounts.
12. Remove the OE mid-pipe section located at the next clamp joint by loosening the 12mm bolt on OE hanger and 15mm nut on the band clamp.



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13. Disconnect the (2) O2 sensor plugs on the OE downpipe on located near the turbo outlet and underneath the truck and unclip the wire lead from the factory location. **Note: You will re-route the O2 sensor wire lead to allow it to reach secondary bung on your aFe Downpipe.**
14. Loosen the (2) O2 sensor by using an O2 sensor removal tool. **Note: Mark the O2 sensors so they do not get installed in the incorrect bung.**
15. Loosen the 13mm nut securing the OE downpipe hanger on to the chassis.
16. Remove the (4) 15mm bolts securing the OE skid plate to the chassis.
17. Loosen (1) of the (3) 15mm nuts securing the OE downpipe to the turbo outlet from underneath the truck.
18. Loosen the other (2) 15mm nuts securing the OE downpipe to the turbo outlet from the engine bay.
19. Remove the OE downpipe.
20. Carefully remove the OE downpipe gasket by prying locking tabs forward.
21. Install the OE gasket on the aFe POWER Downpipe.
22. Install the aFe POWER Downpipe by hand tightening the (3) 15mm nuts onto the turbo outlet.
23. Slide the hanger bracket tube through the stud for the OE hanger bracket and hand tighten the 13mm nut.
24. Once you are happy with the fitment tighten down the (3) 15mm nuts on the turbo outlet and the 13mm nut on the OE hanger bracket.
25. Re-install the (2) O2 sensors in their corresponding locations using the O2 sensor tool.
26. Re-connect the (2) O2 plugs and reroute the secondary O2 sensor wire lead to allow to reach secondary O2 bung.
27. Install the OE exhaust on to the aFe POWER Downpipe.
28. Install the OE air box and intake tube.
29. Re-connect the battery.
30. Congratulations, your aFe POWER Downpipe is now installed! It is recommended to re tighten all nuts and bolts after 50-100 miles of use.
31. Remove vehicle form jack/stands
32. It is recommended to re-tighten all clamps and hardware after 50-100 miles.