

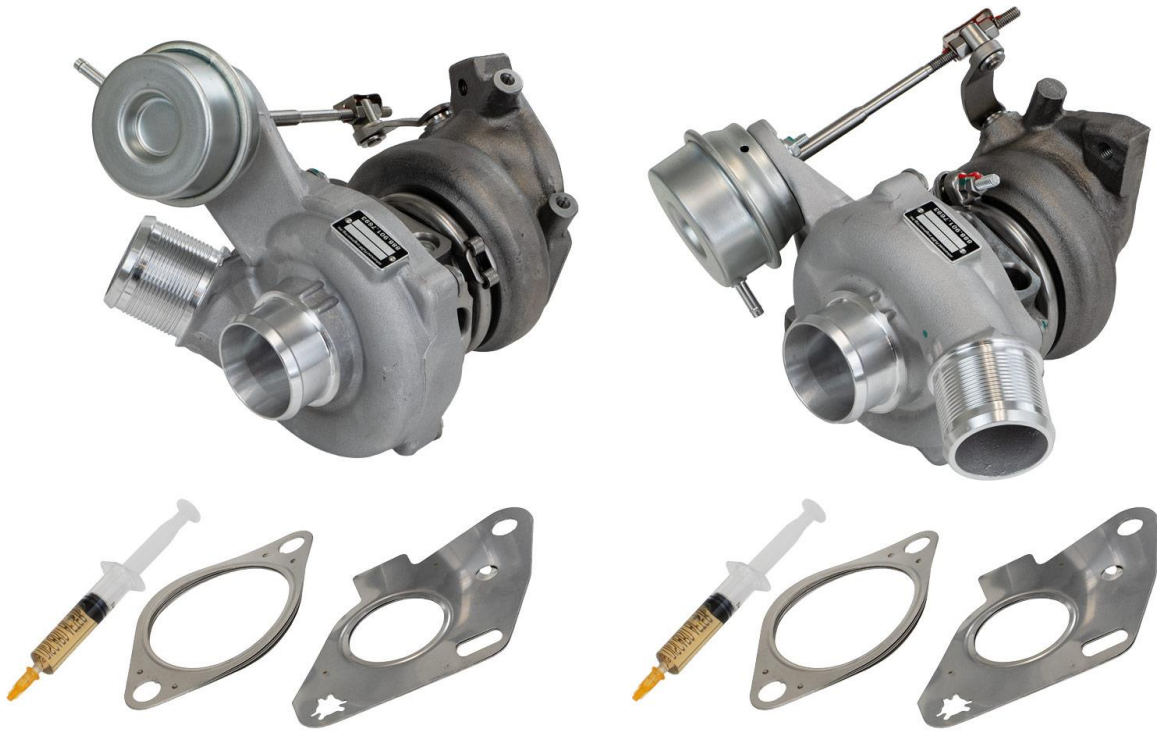


INSTALLATION INSTRUCTIONS

Turbocharger

46-60312

MAKE: Ford
MODEL: F-150
YEAR: 2015-2017
ENGINE: V6-2.7L (tt)



EMISSIONS DISCLAIMER

This product is not currently CARB exempt and is not available for purchase in California or for use on any vehicle registered with the California Department of Motor Vehicles.

<i>Item</i>	<i>Description</i>	<i>Part Number</i>	<i>Quantity</i>
1	Turbocharger, Ford F-150 15-17 2.7L, Rt	05-61369	1
2	Turbocharger, Ford F-150 15-17 2.7L, Lt	05-61370	1

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.



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1. **(Read instructions prior to installation.)**
2. Disconnect the negative battery cable and secure it away from the post.
3. Raise the front end safely and secure it on heavy-duty jack stands.
4. both front wheels and pull out the plastic inner fender splash liners to fully expose the side of the engine block.
5. Locate the red drain petcock on the bottom passenger side of the radiator. Attach a hose and drain the engine coolant into a clean catch pan.
6. Spray penetrating oil onto the exhaust manifold studs, turbo mounting bolts, and downpipe nuts.
7. Loosen the hose clamps and remove the air inlet tubes running from the airbox to both turbo inlets.
8. Loosen and back away the hot-side intercooler piping connected to the turbo compressor outlets.
9. From beneath the truck, remove the two 15mm nuts holding the exhaust downpipe to each turbocharger's exhaust housing. Separate the downpipes from the turbo studs (you do not need to pull the downpipe completely out of the truck).
10. Disconnect the vacuum lines from the wastegate actuators.
11. Unbolt the oil feed and coolant lines connected to the top and sides of the turbos.
12. Unbolt the oil drain manifold located beneath the turbo housing.
13. Support the weight of the turbocharger. Remove the hardware securing the turbo assembly.
14. Wiggle the turbo assembly free from the alignment studs and maneuver it out through the open wheel well.
15. Scrape off any carbon build-up or old gasket material from the exhaust manifold mating surfaces and the exhaust downpipe flanges.
16. Pre-lube the oil inlet with the supplied oil. Spin the compressor wheel several times to coat the bearing with oil.
17. Guide the new turbocharger into position over the exhaust manifold alignment pins. Hand-thread the mounting bolts, then torque them down.
18. Connect the coolant lines and oil feed onto the turbocharger.
19. Reinstall the lower oil drain tube manifold using the supplied gasket.
20. Bolt the exhaust downpipes back onto the turbo outlet studs and torque the nuts securely. Reconnect all intercooler couplers and air intake pipes.
21. Close the radiator petcock and fill the cooling system.
22. Connect the battery. To prevent dry-starting and destroying the new turbo bearings, pull the fuel pump fuse or hold the gas pedal completely down to the floor while turning the ignition key for 10 seconds. This cranks the engine to build oil pressure through the new turbos without starting the truck.
23. Replace the fuel fuse/release the pedal and start the vehicle. Let it idle up to operating temperature. Inspect the wheel wells with a flashlight to verify there are no coolant, oil or exhaust leaks.
24. Reinstall the plastic inner fender liners and mount the front wheels. Lower the vehicle and test drive.
25. Your installation is complete.
26. It is recommended to check for leaks or loose hardware after 50-100 miles.