



advanced FLOW engineering

## Instruction Manual P/N: 46-60072

Turbocharger (GT Series)

Ford F250/F350 99-03 V8 – 7.3L (td) Powerstroke



Qty.	Part Description
1	Turbocharger
1	Compressor Outlet O-ring
1	Oil Supply O-ring
1	Oil Return O-ring
7	EBPV to Turbocharger Bolts
1	Oil Injector
1	Silicone Inlet Hose
2	2 ½" - 4 ½" Clamp

**CAUTION:** 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. **aFe recommends professional installation on this product. Thoroughly inspect the aFe turbocharger to make sure there is no damage from shipping (if damage is noted, immediately contact aFe customer service).** If you are missing any of the components, call customer support at 951-493-7100.

1. Disconnect the battery cables from both batteries.
2. Remove the air intake system.
3. Remove the driver's side boost tube.
4. Remove the MAP sensor. Remove the passenger side boost tube.
6. Disconnect the wastegate actuator line from the wastegate and the intake manifold.
7. Remove the wastegate actuator solenoid from the intake manifold.
8. Disconnect the intake heater electrical connector.
9. Loosen the intake couplings below the intake manifold.
10. Disconnect the air temperature sensor wire.
11. Remove the Intake manifold.

**Note: Remove the couplings off the intake manifold for cleaning.**

**Note: The exhaust doesn't need to be removed for the turbocharger to be removed.**

12. Remove the exhaust down pipe v-band clamp.
13. Disconnect the EBPV (exhaust back pressure valve) actuator connector.
14. Loosen the (2) two bolts on top of the factory turbocharger but do not remove.
15. Disconnect the exhaust up-pipes.
16. Remove the (2) two bolts that retain the factory turbocharger.
17. Remove the factory turbocharger.
18. Remove and discard the factory O-rings from the pedestal and clean the pedestal thoroughly.
19. Install supplied O-rings onto the pedestal.



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20. Remove the EBPV from the factory turbocharger.
21. Install the EBPV onto the aFe turbocharger using the (7) seven bolts supplied and tighten.

**Note: Before installing new turbo onto the truck lubricate the turbocharger bearings using the supplied oil injector. Inject the oil into the oil inlet of the turbocharger. Spin the compressor wheel by hand.**

22. Place the aFe turbocharger on the pedestal. Start the hardware which retains the turbocharger but do not tighten.
23. Connect the exhaust up-pipes to the back of the turbocharger (snug the v-band clamp but do not tighten).
24. Tighten the turbocharger bolts.
25. Tighten the V-band clamp for the exhaust up-pipes.
26. Install the exhaust down pipe and tighten.
27. After cleaning the intake manifold couplings, install them back onto the air inlets on the engine (leave loose at this time).
28. Install the intake manifold onto the couplings while aligning to the turbocharger compressor outlet. Once everything is aligned, snug the v-band clamp on the turbocharger compressor outlet.
29. Tighten the intake couplings.
30. Tighten the v-band clamp on the turbocharger compressor outlet.
31. Reconnect the EBPV electrical connector.
32. Reconnect the air temperature sensor connector.
33. Reconnect the intake heater electrical connections.
34. Reconnect the wastegate actuator solenoid and hook up wastegate actuator lines.
35. Reinstall the passenger side boost tube and tighten.
36. Reinstall the MAP sensor and tighten.
37. Reinstall driver's side boost tube and tighten.
38. Reinstall air intake system and tighten.
39. Install the supplied intake hose to the turbo charger using the two (2) supplied hose clamps and connect to the air intake system. Tighten the clamps.
40. Check all connections and check all bolts for tightness.
41. Reconnect the batteries.
42. Your installation is now complete.
43. Please start the vehicle and allow to idle for 10-15 mins. To allow for proper lubrication.