



INSTALLATION INSTRUCTIONS

MAKE: Ford

MODEL: 250/350

YEAR: 1999-2003

ENGINE: V87.3L (td) Power Stroke

Turbocharger (Street Series)

46-60070



Parts Included:

- Turbocharger
- O-Rings
- Bolts

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Tools Needed:

- 13mm socket
- 11mm deep socket
- 10mm socket
- 8mm socket
- 13mm wrench
- 10mm wrench
- 8mm wrench
- 3" Extension
- 6" Extension
- Flat Head Screwdriver
- Pliers
- Needle nose pliers
- Oil cleaner
- Small picks
- Socket driver
- 5/16" Nut driver
- 12" Extension

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).**

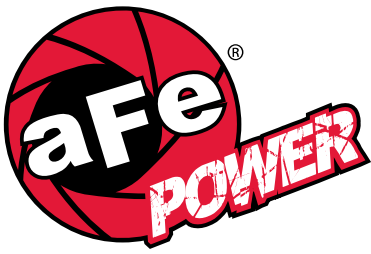
1. Disconnect the battery cables from both batteries.
2. Remove the air intake system.
3. Remove the driver's side boost tube.
4. Remove the MAP sensor.
5. Remove the passenger side boost tube.
6. Disconnect the wastegate actuator line from the wastegate and the intake manifold.
7. Remove the wastegate actuator solenoid from the intake manifold.
8. Disconnect the intake heater electrical connection.
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.

12. Loosen the exhaust down pipe (doesn't need to be removed).
13. Disconnect the EBPV actuator from the turbocharger (if applicable).
14. Loosen the two bolts on top of the turbo charger but do not remove.
15. Disconnect the exhaust up-pipes.
16. Remove the turbocharger.
17. Remove and discard the factory O-rings from the pedestal and clean the pedestal thoroughly.
18. Install supplied O-rings on the pedestal
19. Remove the EBPV (exhaust back pressure valve) off the turbine housing.
20. Install the EBPV (exhaust back pressure valve) onto the aFe turbocharger turbine housing using the supplied bolts.

Note: Before installing new turbo onto the truck lubricate the turbocharger bearings by pouring several ounces of motor oil into the oil inlet of the turbocharger. Spin the compressor wheel by hand.

21. Place the aFe turbocharger on the pedestal. **(don't start the bolts yet).**
22. Connect the exhaust up-pipes to the back of the turbocharger **(snug the V-band clamp down).**
23. Start the turbocharger bolts by hand.
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. Connect the EBPV actuator by installing the factory clip.
28. After cleaning the intake manifold couplings, install them on the air inlet on the engine **(leave loose at this time).**



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29. 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.
 30. Tighten the intake couplings.
 31. Tighten the v-band clamp on the turbocharger compressor outlet.
 32. Reconnect the air temperature sensor wire.
 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. Check all connections and check all bolts for tightness.
 40. Reconnect the batteries.
 41. Your installation is now complete.
 42. Please start the vehicle and allow to idle for 5-10 mins. To allow for proper lubrication.

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Warranty

Turbocharger warranty claims must be filed within 2 years from the invoice date. Please see the current “aFe Limited Lifetime Warranty” policy for details. Please call for inquiries and to be issued a Return Good Authorization (RGA) number from aFe prior to sending in the turbocharger. An inspection will be conducted to assess the repair. Should the turbocharger warrant be declared “void” (see conditions below), the turbocharger will be returned at the owner’s expense. In event of a defect of an aFe turbocharger within the period covered by this limited warranty, arrangements will be made to repair/replace at the discretion of aFe.

This warranty is limited to repair and replacement without charge and shall only apply to defective part. aFe will not replace the complete turbocharger should a single component is found to be defective. Limited warranty offer does not cover additional incurred cost such a logistics, labor charges, car storage fee, car rental fee, economic loss, ect.

The limited warranty offered by aFe is voided under these conditions:

- Product has been installed improperly
- Improper or lack of maintenance
- Wear and tear due to normal usage
- Product has been misused or neglected
- Damage due to accident
- Damage from foreign matter
- Modifications have been made or attempted

Due to no formal means of monitoring product use, each claim will be independent and will vary case by case. The final assessment will be made by aFe.