



INSTALLATION INSTRUCTIONS

MAKE: Dodge
 MODEL: Diesel Trucks
 YEAR: 1998.5-2002
 ENGINE: L6-5.9L (td)

Turbocharger & Exhaust Manifold 46-60060-MB



Parts Included:

- Turbocharger (1)
- Gasket, Exhaust Elbow (1)
- Gasket, Oil Return (1)
- Gasket, Oil Feed (1)
- Exhaust Elbow bolts (5)
- Gasket Set, Exhaust (1)
- Gasket, Exhaust Manifold to Turbo (1)
- Manifold, Exhaust (1)
- Bracket, Water Line (1)
- Bracket, Channel (1)
- Bolt, SHCS: M8x1.25x16 (1)
- Nut, Flange: M10x1.5 (2)
- Stud: M10x1.5x50 (2)
- Stud: M10x1.5x37 (4)
- Plug, 1/8" NPT (2)
- Nut, Flange: M10x1.5 (Machined) (4)

Tools Needed:

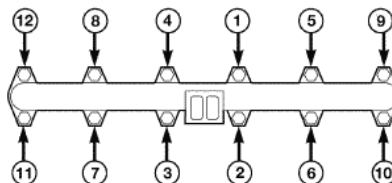
- 10mm Wrench
- 8mm Wrench
- 5/16" Nut driver
- 3/16" Hex Key
- Ratchet
- Extension
- Flat Head Screwdriver
- Gasket Scraper
- Pliers
- Torque Wrench
- 11/16" Socket
- 7/16" Socket
- 15mm Deep Socket
- 13mm Deep Socket
- 11mm Deep Socket
- 10mm Deep Socket
- 15mm Socket
- 13mm Socket
- 10mm Socket
- 8mm Socket
- 13/16" Wrench
- 3/4" Wrench
- 11/16" Wrench
- 5/8" Wrench
- 7/16" Wrench
- 15mm Wrench
- 13mm Wrench

CAUTION: Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Exhaust systems reach high temperatures and may cause serious burns. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation. aFe recommends professional installation on our products.

1. Disconnect the batteries before starting the installation.
2. Remove Air Filter Housing and Air Intake Tube from the vehicle.
3. Disconnect the intercooler pipe, exhaust downpipe, oil supply & oil drain line from the turbocharger.
4. Remove the four nuts connecting the turbocharger to the manifold and remove the turbocharger.
5. Remove the oil flow restrictor from the top of the O.E. turbocharger and retain for step 19
6. Loosen the bolts and turbine elbow from the O.E. turbocharger.
7. Install two (2) of the M10x1.5x37mm studs onto the turbocharger
8. Disconnect the water line bracket from the Exhaust Manifold and the clamp holding the water lines together.
9. Remove the Stock Exhaust Manifold by undoing the (12) bolts using a 13mm socket or wrench.
10. Prepare the Mating surfaces on the cylinder head for a better seal.
11. Install two (2) of the M10x1.5x37mm studs onto the turbine flange on the new aFe manifold.
12. Install the two (2) M10x1.5x50mm Studs to the top two center bolt holes (cylinder 3,4) on the cylinder head.



13. Install the aFe exhaust manifold using the ten (10) factory bolts and spacers, (2) M10x1.5 Flange Nuts, and (6) Exhaust manifold gaskets. Apply Anti-Seize to the bolts before Installing. Tighten to 32 ft./lbs. Tighten the bolts by using the recommend factory Torque Sequence.





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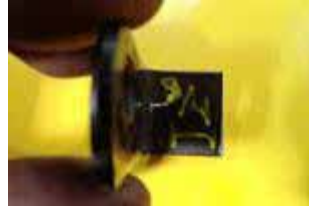
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- 14.** Mark and cut the water line mounting bracket 3/4" from the bend in the bracket. Install the new aFe bracket by capturing the water line bracket. Tighten the bolt on bracket. Use the stock bolt on the manifold side. Install stock waterline clamp in the stock location



- 15.** If equipped, install E.G.T. probe(s) into the ports on the manifold. If not using the ports, install the supplied 1/8" NPT plugs
- 16.** Install the aFe turbocharger using the supplied gasket and the four (4) machined flange nuts.
- 17.** Connect the oil drain line to the bottom of the turbocharger using the supplied gasket and tighten the bolts.
- 18.** Lubricate the turbocharger bearings using the supplied oil injector. Spin the compressor wheel by hand to properly lubricate.
- 19.** Install the oil flow restrictor (from Step 5) on the aFe turbocharger.
- 20.** Connect the oil feed line to turbocharger.
- 21.** Connect the exhaust downpipe and intercooler pipe to the aFe turbocharger.
- 22.** Reinstall the Air Intake tube and Air Filter Housing.
- 23.** Connect the batteries.
- 24.** Double check that all connections are secure.
- 25.** Your installation is now complete. Start the vehicle and verify again that all connections are secure and that you have no leaks. Let idle for 5-10 mins. to allow the aFe turbocharger to properly lubricate before driving.