



## INSTALLATION INSTRUCTIONS

MAKE: Dodge  
MODEL: RAM 2500/3500  
YEAR: 1998.5-2002  
ENGINE: L6-5.9L (td) Cummins

**Exhaust Header**  
**304 Stainless Steel**  
48-32020



### Parts Included:

- (P/N: 05-145411) Header

### Hardware Included:

- (P/N: 05-60383) Gasket Set (x1)
- (P/N: 05-46301) T3 Gasket (x1)
- (P/N: 03-50214) Stud: M10 x 1.5 x 50mm (x4)
- (P/N: 03-50343) Steel Spacer (x8)
- (P/N: 03-50346) Screw Hex (x8)
- (P/N: 03-50411) Stud: Self-Lock M10 x 1.5 x 37mm (x2)
- (P/N: 03-50189) Nut, M10 (x4)
- (P/N: 03-50383) Nut, Machined M10 (x2)
- (P/N: 03-50410) Plug, 1/8" NPT (x2)

**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.

**Step 1:** Disconnect both of the battery cables.

**Step 2:** Remove air filter housing and air intake tube from vehicle.

**Step 3:** Remove turbo from the vehicle by disconnecting the exhaust down-pipe, turbo outlet, oil supply line, and the four nuts holding the turbo to the stock exhaust manifold.

**Step 4:** Disconnect the water line bracket from the exhaust manifold and the clamp holding the water lines together.

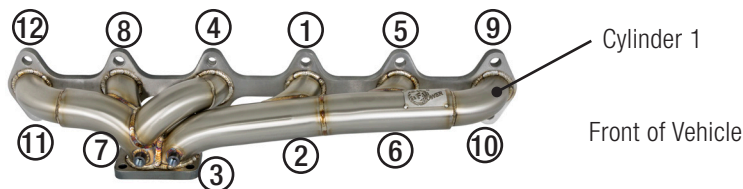
**Step 5:** Remove the stock exhaust manifold by removing the twelve manifold bolts using a 13mm socket.

**Step 6:** Prepare the mating surfaces on the head and turbo for a better seal.

**Step 7:** Install the (x2) supplied M10x1.50x37mm studs into the tapped holes in the turbo flange on the new aFe turbo header.

**Step 8:** Install the (x4) supplied M10x1.50x50mm studs on the top row of the head on cylinders 2, 3, 4, and 5.

**Step 9:** Install the aFe exhaust turbo header using the (x8) bolts and spacers, the (x4) nuts and (x6) gaskets provided in the kit. Tighten the bolts by using the recommended factory torque procedure as shown. Tighten to 32 ft-lbs.



**Step 10:** Install the (x2) supplied 1/8" NPT plugs into the turbo manifold and tighten.

**Step 11:** Mark and cut the water line bracket 3/4" from the bend in the bracket.

**Step 12:** Reinstall the turbo with the (X2) supplied machined flange nuts, (X2) OE nuts, and supplied turbo flange gasket. Tighten using a 15mm wrench and socket.

**Step 13:** Reinstall the exhaust down-pipe, turbo outlet, oil supply line, oil return line, and the electrical connection (if applicable) using the factory hardware.

**Step 14:** Reinstall the air intake tube and air filter housing.

**Step 15:** Reconnect the batteries. Your installation is now complete. Thank you for choosing aFe power.

**Note:** Retighten all connections after approximately 100-200 miles.