



INSTALLATION INSTRUCTIONS

MAKE: Dodge
MODEL: RAM 2500/3500
YEAR: 2003-2007
ENGINE: L6-5.9L (td) Cummins

Exhaust Header
304 Stainless Steel
48-32017



Parts Included:

- (P/N: 05-145191) Header

Hardware Included:

- (P/N: 05-60383) Gasket Set (x1)
- (P/N: 05-60035) Bracket (x1)
- (P/N: 05-60034) Channel Bracket (x1)
- (P/N: 03-50214) Stud: M10 x 1.5 x 50mm (x3)
- (P/N: 03-50343) Steel Spacer (x9)
- (P/N: 03-50346) Screw Hex (x9)
- (P/N: 03-50411) Stud, Self-Lock: M10 x 1.5 x 37mm (x2)
- (P/N: 03-50383) Nut, M10 (x7)
- (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 the heat shield from the stock exhaust manifold (this will not be reused)

Step 4: Disconnect the exhaust down-pipe, turbo outlet, oil supply line, oil return line, electrical connection (if applicable).

Step 5: Disconnect the water line bracket nearest the firewall, under the exhaust manifold, using a 15mm socket. Cut the bracket 2" from the water line.

***NOTE:** The stock manifold and turbo will come out together.

Step 6: Remove the stock exhaust manifold and the turbo by removing the twelve manifold bolts using a 13mm socket.

Step 7: Remove the turbo from the stock manifold by removing the (x4) nuts.

Step 8: Install the two supplied M10 x 1.50 x 37 studs into the tapped holes in the turbo flange on the aFe exhaust manifold.

Step 9: Prepare the mating surfaces on the head and turbo for a better seal.

Step 10: Install the three supplied M10 x 1.50 x 50mm studs on the bottom row of cylinders 3, 4, and 5.

Step 11: Install the stock turbo and the factory gasket on the aFe exhaust manifold using the supplied 10mm x 1.50 nuts.



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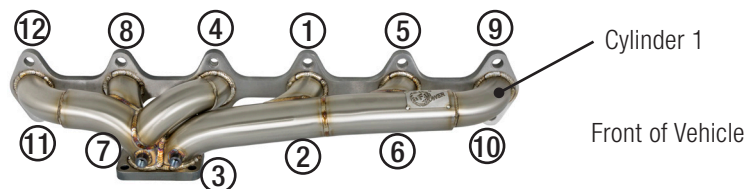
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Step 12: Install the aFe exhaust manifold using the nine bolts and spacers, and the three nuts provided in the kit.

***aFe recommends replacement of old gaskets that are not supplied.** Apply anti-seize to the bolts before installing. Tighten the bolts using the recommended factory torque procedure as shown. Tighten to 32ft./lbs.



Step 13: Install the supplied waterline bracket to the factory water line using the supplied M8 x 1.25 x 25 bolt and the factory hardware.

Step 14: Install the supplied 1/8 NPT plugs into the exhaust manifold.

Step 15: Reinstall the exhaust down-pipe, turbo outlet, oil supply line, oil return line, and the electrical connection (if applicable) using the factory hardware.

Step 16: Reinstall the air intake tube and air filter housing.

Step 17: Reconnect the batteries. Your installation is now complete. Thank you for choosing aFe power.

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