

INSTALLATION INSTRUCTIONS



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

**BladeRunner® Charged
 Air Manifold
 46-10011**

	<p>Parts Included:</p> <ul style="list-style-type: none"> Air Manifold Bolt, M8 x 1.25 x 160 Bolt, M8 x 1.25 x 100 Bolt, M6 x 1 x 8 Manifold Gasket Washer, M8 Washer, M6 Plug, 3/8" NPT Plug, 1/8" NPT Allen Key, 6mm Thread Locker, Blue Nylon Cable Tie, Push Mount 	<p>Qty.</p> <ul style="list-style-type: none"> 1 2 2 1 2 4 1 2 2 1 1 2
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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 BladeRunner® Charged Air Manifold to make sure there is no damage from shipping (if damage is noted, immediately contact aFe customer service).**

1. Disconnect both batteries before starting the installation.
2. Loosen the boost tube coupling clamps at the intake manifold air inlet.
3. Remove the bolt holding the dipstick tube.
4. Remove the wiring harness from the back side of the intake manifold.
5. Remove the four (4) bolts that attach the intake manifold to the engine.

Note: Be careful not to drop anything down into the engine after the intake manifold is removed. Place a rag or towel over the air heater to prevent this from happening.

6. Remove the intake manifold.

Note: Use teflon tape on the NPT fittings prior to installation.

7. Install the two (2) supplied 1/8" NPT fittings into the supplied air manifold.
8. Apply the supplied blue thread locker to the two (2) supplied M8 x 1.25 x 100 bolts and the two (2) supplied M8 x 1.25 x 160 bolts.

Note: In the next step, the washers will need to be placed on the inside bottom lip of the air manifold before the M8 x 1.25 x 100 bolts are installed.

9. Place the two (2) supplied M8 washers on the inside lip in the bottom of the air manifold prior to installing the bolts. Next, install the two (2) M8 x 1.25 x 100 bolts through the 3/8" NPT holes on top of the air manifold.
10. Install the two (2) M8 x 1.25 x 160 bolts through the two (2) holes on the edge of the air manifold.

Note: Cleaning the gasket surface may require a scraper or Scotch-Brite™.

11. Remove the two (2) factory gaskets that are located on the top and bottom of the air heater. Clean both mating surfaces.
12. Install the two (2) supplied gaskets to both the top and bottom of the air heater.
13. Install the air manifold by carefully guiding the bolts through the gaskets and air heater. Make sure everything is lined up properly and start the bolts by hand. Use the supplied 6mm Allen key and tighten the bolts in an "X" pattern to factory specs.

Note: Use teflon tape on the NPT fittings prior to installing them.

14. Install the two (2) supplied 3/8" NPT plugs into the top of the air manifold and tighten.
15. Slide the intercooler coupling and clamp over the air inlet on the air manifold and tighten both clamps.
16. Use the two (2) supplied push mount cable ties to secure the air heater wiring loom to the air manifold. There are two threaded holes on the back side of the air manifold that will allow you to insert the head of the cable ties and secure the wiring.
17. Use the supplied M6 x 1 x 8 bolt and the supplied M6 washer to secure the dipstick tube to the air manifold.
18. Reconnect the batteries.
19. Your installation is now complete. Start the vehicle and verify again that all connections are secure and that you have no leaks.