



# INSTALLATION INSTRUCTIONS

MAKE: Dodge Diesel Trucks

MODEL: 2500/3500

YEAR: 2009-2011

ENGINE: L6-6.7L (td)

**EGR Cooler Delete**

**46-90072**



## Parts Included:

		Qty
• Plate, Small cooler	05-60134	1
• Plate, Large cooler	05-60135	1
• Plug, Threaded	03-50249	1
• Bracket	05-60141	1
• Plug, Coolant line	05-60138	1
• O-Ring: 1"OD x .139"W	05-60119	1
• Spacer, 4.23" x .75"OD	05-60140	1
• Screw, M10 x 1.5 x 140	03-50252	1
• Screw, Hex Socket	03-50225	3
• Screw, Hex Head	03-50114	1
• Washer, Flat M8	03-50159	6
• Nut, Hex Nylon Lock: M8	03-50224	3
• Washer, Flat: M6	03-50070	2
• Nut, Hex Nylon Lock: M6	03-50185	1

## Tools Needed:

- 15mm Socket
- 13mm Socket
- 10mm Socket
- 8mm Socket
- 1-1/8" Wrench
- 8mm Wrench
- 6mm Wrench
- 3/8" Allen
- Ratchet
- Socket Extension
- Pliers
- 6mm Allen

**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.**

1. Disconnect batteries before installation.
2. If necessary remove air intake system for more working room.
3. Remove the engine cover by removing four mounting screws and oil dipstick.
4. Remove the heat shield covering the EGR throttle valve by removing three nuts with a 10mm socket and two M8 bolts.
5. With a 10mm socket, remove the EGR throttle valve by removing the remaining four bolts that were hidden behind the heat shield removed in step 4.
6. Remove the EGR servo motor by removing three bolts from the top of the servo and four bolts from the servo housing and disconnect the wiring harness.
7. Remove the EGR throttle manifold neck by removing the two nuts with a 15mm socket and loosening the hose clamp securing it to the EGR cooler housing.
8. Disconnect the coolant lines located above the EGR cooler from where they are attached and disconnect the pressure clamps to free the lines. (Some coolant may drain out of lines)
9. Remove transmission oil dipstick mount, the crank case vent mount and pressure line mount attached to the EGR cooler.
10. Remove all mounting hardware holding the cooler manifold and cooler mount in place and remove it from the vehicle.
11. Install your new aFe front and rear block off plates using the OEM nuts previously removed. (Replace gaskets if needed)
12. Remove the 1-1/8" coolant fitting and replace it with the 1/2" threaded plug supplied. (Use teflon tape on threads)
13. Install the plug with the o-ring into the metal coolant passage. (Lube o-ring before installing)
14. Remove the top exhaust manifold stud on the number 4 cylinder.
15. Place bracket into position to rest up against the plug installed in the previous step.
16. After passing the long M10 screw through the bracket and sliding the spacer over the screw, install the screw into the spot where top exhaust manifold stud was removed in step 14.
17. Continue attaching the transmission oil dip stick, the coolant line brackets, the crank case vent bracket and the pressure line bracket to the new bracket installed in step 15 with the hardware supplied and tighten.
18. Double check that all connections are secure.
19. Reinstall the air intake system, oil dipstick and reconnect the batteries.
20. Your installation is now complete. After the EGR delete is completed and the programmer is installed, go for a short drive and verify that all connections are secure and that you have no leaks.

