



advanced FLOW engineering

Instruction Manual P/N: 46-90088

EGR Cooler

Ford Super Duty 2004-2007 V8-6.0L (td)



Qty.	Part Description (46-90088)
1	EGR Cooler
1	EGR Cooler Hose
1	EGR Gasket Kit

- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, visit afepower.com/contact
- Ensure you have all necessary tools before proceeding.
- Ensure that your vehicle is cooled off before proceeding.
- Retain factory parts for future use.

1. Disconnect vehicle batteries before installation.
2. Release the four (4) airbox clips and remove the airbox/filter.
3. Use a 7/16" deep socket to loosen the clamps on both the driver and passenger side intercooler pipes.
4. Disconnect the plastic wiring shroud from the firewall for easier access to the top of the engine (move the shroud out of the way by temporarily attaching it to the windshield wiper arm).
5. Use a flat screwdriver and an 8mm wrench to remove the turbo inlet tube from the turbo.
6. Disconnect the wire harness from the turbo.
7. Use a 13mm and 10mm socket to remove the alternator from the engine.
8. Use a flat screwdriver to remove the fan shroud screws and to release the plastic clips.
9. Remove the fan shroud.
10. Use a 10mm socket and a 10mm wrench to remove the three (3) turbo mounting bolts (one (1) is located under the turbo and not visible).
11. Use a 7/16" deep socket to loosen the v-band clamp connecting the turbo to the exhaust downpipe.
12. Remove the turbo from the engine.
13. Use a 7/16" deep socket to loosen the v-band clamp connecting the EGR cooler to the exhaust up-pipe.
14. Use a 10mm socket to remove the four (4) turbo pedestal mounting bolts.
15. Remove the turbo pedestal from the engine.
16. Use a 15mm socket to remove the two (2) fan shroud bolts from the intake manifold.
17. Use a 10mm socket to loosen the eight (8) intake manifold mounting bolts (do not remove).
18. Remove the intake manifold and EGR cooler.
19. Use a 10mm and 8mm socket to remove the three (3) EGR cooler mounting bolts.
20. Remove the EGR cooler.
21. Install the supplied aFe EGR cooler in the intake manifold using the supplied gasket.
22. Install the provided cooler hose on the EGR cooler coolant inlet tube.
23. Install the intake manifold on the engine using the supplied gaskets.
24. Connect the EGR cooler to the exhaust up-pipe and seal with the supplied gasket.
25. Repeat the steps above in the reverse order to re-assemble the engine components.
26. Reconnect vehicle batteries.
27. Your installation is now complete.