

INSTALLATION INSTRUCTIONS



MAKE: Ford
MODEL: Super Duty
YEAR: 2003 - 2007
ENGINE: V8-6.0L (td)

EGR Track Kit
46-90076

	<p style="text-align: center;">Parts Included:</p> <table border="0"> <tr> <td>Plate, EGR Block-off</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Plate/Tube, Cooler Block-off</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Pipe, 2" Exhaust Up</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Hose, Silicone</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Clamp, Hose #10</td> <td style="text-align: right;">2</td> </tr> <tr> <td>Gasket, Exhaust</td> <td style="text-align: right;">1</td> </tr> <tr> <td>O-ring, EGR Block-off Plate</td> <td style="text-align: right;">1</td> </tr> <tr> <td>O-ring, Cooler Block-off Plate</td> <td style="text-align: right;">1</td> </tr> <tr> <td>O-ring, Coolant Pipe</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Bolt, 5/16-18 x 1.5"</td> <td style="text-align: right;">2</td> </tr> <tr> <td>Bolt, 5/16-18 x 2.5"</td> <td style="text-align: right;">2</td> </tr> <tr> <td>Nut, 5/16-18</td> <td style="text-align: right;">4</td> </tr> </table>	Plate, EGR Block-off	1	Plate/Tube, Cooler Block-off	1	Pipe, 2" Exhaust Up	1	Hose, Silicone	1	Clamp, Hose #10	2	Gasket, Exhaust	1	O-ring, EGR Block-off Plate	1	O-ring, Cooler Block-off Plate	1	O-ring, Coolant Pipe	1	Bolt, 5/16-18 x 1.5"	2	Bolt, 5/16-18 x 2.5"	2	Nut, 5/16-18	4	<p style="text-align: center;">Qty.</p>
Plate, EGR Block-off	1																									
Plate/Tube, Cooler Block-off	1																									
Pipe, 2" Exhaust Up	1																									
Hose, Silicone	1																									
Clamp, Hose #10	2																									
Gasket, Exhaust	1																									
O-ring, EGR Block-off Plate	1																									
O-ring, Cooler Block-off Plate	1																									
O-ring, Coolant Pipe	1																									
Bolt, 5/16-18 x 1.5"	2																									
Bolt, 5/16-18 x 2.5"	2																									
Nut, 5/16-18	4																									

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 supplied parts to make sure there is no damage from shipping (if damage is noted, immediately contact aFe customer service).**

RACE ONLY DISCLAIMER

This is a Race Only product that is to be used solely for competition, it cannot be used on vehicles that are operated on public streets, roads or highways. Its use is limited to closed-course and open-course racing that is formally sanctioned by a recognized racing organization. Any other use, including recreational off-road use, could be in violation of local, state and federal laws. A competition acknowledgement / liability release form must be filled out and submitted.

Note: Gaskets are not supplied with this product. They can be purchased from aFe (P/N: 46-90075) or from your local auto parts supplier.

Note: Use penetrating oil on all exhaust and turbo hardware prior to removal.

1. Disconnect vehicle batteries before installation.
2. Drain the coolant from the vehicle.
3. Remove the upper fan shroud from the top of the radiator.
4. Undo the tabs holding the plastic wiring shroud to the firewall and secure it up towards the windshield (a cable tie can be used).
5. Remove the air box from the vehicle.
6. Remove the turbo inlet tube and PCV Valve.
7. Remove the charge pipe from the turbo.
8. Loosen the serpentine belt tensioner and remove the belt from the alternator.
9. Remove the alternator from the engine.
10. Loosen the v-band clamp and disconnect the exhaust down-pipe from the turbo.
11. Loosen the v-band clamp and disconnect the exhaust up-pipe from the turbo.
12. Remove the oil feed line bolts and disconnect the VGT actuator wire.
13. Remove the turbo from the engine.
14. Remove the turbo pedestal and oil drain tube from the engine.

15. Remove the two (2) bolts holding the up-pipe to the passenger side exhaust manifold.
 16. Loosen but do not remove the two (2) bolts holding the up-pipe to the driver side exhaust manifold.
 17. Unbolt and remove the y-pipe from the up-pipe.
 18. Unbolt the up-pipe from the EGR cooler and remove it.
 19. Loosen but do not remove the eight (8) mounting bolts from the driver side of the intake manifold.
 20. Remove the eight (8) mounting bolts from the passenger side of the intake manifold.
 21. Remove the two (2) bolts that go through the inner fan stator located under the shroud.
 22. Remove the bolt attaching the oil heater line and carefully bend the tab upwards.
 23. Remove the three (3) bolts securing the EGR cooler to the intake manifold (the two (2) longer bolts will be reused).
- Note: Carefully pushing down on the EGR cooler while pulling up on the intake manifold will assist in removing the cooler.**
24. Remove the EGR cooler from the vehicle.
 25. Install the supplied silicone coolant hose on the supplied Cooler Block-off Plate/Tube using the supplied #10 clamps (do not tighten).
 26. Install the supplied Coolant Pipe O-ring onto the coolant pipe nipple & Cooler Block-off Plate O-ring onto the block-off plate.
 27. Install the Cooler Block-off Plate/Tube into the intake manifold using the two (2) longer stock bolts (ensure to lubricate O-rings).
- Note: It is important at this time to check all gaskets and replace them if needed.**
28. Reinstall the eight (8) bolts removed in Step 20.
 29. Slip the silicone hose over the oil cooler nipple and tighten the hose clamps.
 30. Tighten all bolts from the passenger and driver sides of the intake manifold to factory specifications.
 31. Reinstall the two (2) bolts removed in Step 21.
 32. Carefully bend the tab back into place on the oil heater line and reinstall the bolt connecting it to the intake manifold.
 33. Remove the EGR valve from the intake manifold and install the supplied EGR Block-off Plate & O-ring using the stock bolts.
 34. Install the supplied 2" Exhaust up-pipe and Exhaust Gasket using the supplied 5/16" Nuts & Bolts.
 35. Repeat steps 1-17 in reverse order to reinstall all exhaust, turbo, and intake components in place.
 36. Ensure to refill the coolant system using factory specifications.
 37. Your installation is now complete.

Acknowledgement of Competition Use
and
Release and Assumption of Risk and Liability

THIS IS A "RACE ONLY" PRODUCT USED SOLELY FOR COMPETITION. Its use is limited to closed-course and open-course racing that is formally sanctioned by a recognized racing organization. Any other use, including recreational off-road use, could be in violation of local, state and federal laws. Please read, understand and accept all the terms of this Acknowledgement before purchasing and installing this product.

1. By installing this product on to your vehicle, you assume all risk and liability associated with its use.
2. It is your responsibility to make sure your vehicle complies with all local, state and federal emissions laws. These laws prohibit the removal, modification or rendering inoperative any part that affects emissions or the safety of a motor vehicle that is used on a public street, road or highway. All civil penalties and fines for removing your vehicle's emissions equipment are the sole responsibility of the end user.
3. Use of this product may void vehicle manufacturer's warranty.
4. advanced FLOW engineering, inc. (aFe Power) is not responsible for misuse of its products. By installing this product, you release aFe Power of any and all liability associated with its use.
5. Depending on where you live, restrictions may apply. Check all applicable laws before installing or using this product.
6. The purchaser/end user releases, indemnifies, discharges and holds harmless aFe Power from any and all claims, damages, causes of action, injuries or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions of this document, on the product packaging and/or the instruction sheets. aFe Power will not be liable for any direct, indirect, consequential, exemplary, punitive or incidental damages or fines resulting from the use or installation of this product.

In witness thereof, I executed this Acknowledgement of Competition Use and Release and Assumption of Risk and Liability form having fully read and understood and willingly agreeing to acknowledge all of its terms.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Signature: _____ Date: ____/____/____

Part Number(s) Purchased: _____

Vehicle Information:

Year: _____ Make: _____ Model: _____ Engine: _____

VIN: _____

advanced FLOW engineering
951.493.7100 aFepower.com