

Ford 6.4 EGR Delete with Intake Tube

Fits: 2008-2010 6.4L Powerstroke

Read instructions thoroughly before proceeding!

*****This kit may void factory warranty - please check with manufacturer.*****

*****This kit is intended for off-road use only.*****

You will need the following tools for this installation:

Flat head screwdriver
Metric socket set
Container for draining coolant
Glass cleaner

Parts List:

Qty.	Description
1	Intake tube
1	O Ring for intake tube
2	25mm flange head cap screws
1	Gasket
1	Steel block off plate
2	Aluminum plugs
2	O Rings for aluminum plugs
1	Standoff spacer
2	1.5" cap screws
2	Serrated-flange hex nuts
1	¼" barbed tube connector

Note: If you do not plan to reuse the bottom EGR cooler bracket that attaches to the exhaust manifold using factory bolts, you will need four (4) M8x1.25-40mm Grade 10.9 bolts (not included with this kit.) Torque to factory specs on installation.

We recommend that a diesel shop or professional aftermarket parts installer, with the necessary equipment, tools and experienced personnel needed for proper installation, perform the installation of this system. However, if you decide to perform the work yourself, we recommend that someone should help you. Ensure that the installer uses all under-car safety precautions, including eye protection.

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Please take time to read and understand the following:

By installing your EGR Delete kit, you indicate that you have read this document and you agree with the terms stated below. It is the responsibility of the purchaser to follow all installation instruction guidelines and safety procedures supplied with your EGR Delete kit.

We assume no responsibility for damages occurring from misuse, abuse, improper installation, improper operation, lack of responsible care, or all previously stated reasons resulting from incompatibility with other manufacturer's products and/or systems.

Before removing the original parts from your vehicle, please compare the parts you have received with the parts list provided on page 1 to assure that you have all the parts necessary for the installation of your new EGR Delete kit.

If installing on a used vehicle, we suggest a penetrating spray lubricant be applied liberally to all exhaust fasteners, and allow a significant period of time for the chemical to lubricate the threads before attempting to disassemble.

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1. Make sure the front wheels are straight.
2. Disconnect both batteries.
3. Drain the coolant using the coolant drain plug located on the bottom of the radiator on the driver side.



4. Remove the 3/8" hose that runs to the degas bottle (coolant overflow tank). Keep this hose as it will be re-used during installation.



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5. Remove the upper radiator hose by popping the wire clip out and pulling the hose straight out.



6. Remove the driver side battery.
7. Remove all of the coolant hoses going to the degas bottle. Also, remove the vent line going to the battery tray.
8. Remove the battery tray and degas bottle. This is held on by four bolts.



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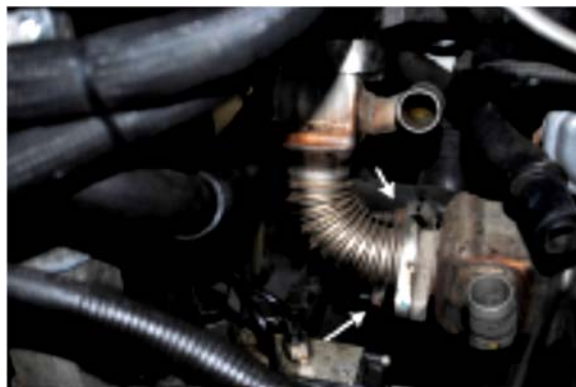
9. Remove band clamp nuts, hose clamps from hoses and unhook EGR cooler temp sensor.
10. Loosen the clamp on driver side intercooler tube and separate the intercooler tube from the rubber boot. It is not necessary to remove the tube.



11. Disconnect the electrical connector on top of the vertical EGR cooler.



12. Disconnect the coolant lines on the vertical EGR cooler. Remove the nuts and bolts securing the coolers together. Release the mounting clamps and separate the two coolers by prying on the flanges.



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13. Hold the intercooler tube back while pulling the vertical EGR cooler up and out. You may have to rotate the cooler to release it from its mount.



14. Remove the plastic coolant tube. Be careful to not break the coolant tube as it will be re-used during installation.



15. Remove upper vertical cooler cast iron bracket. (3) 10mm head bolts and (1) 13mm head stud. Save the stud. This will be reused to secure the power steering hose. Note at the time if the hose is black where it attaches to the thermostat housing it should be replaced with the newer white hose that utilizes two O-rings to seal as opposed to one.



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16. Remove vertical cooler lower bracket.
17. Remove dipstick tube hold down nut.
18. Remove the steering shaft bolt and slide the stem up and out of the steering box shaft.
Note: Be sure to not turn the steering wheel or tires.



19. Release the mounting clamps on the lower EGR cooler. It may be easier to access the clamps through the wheel well.



20. Remove the coolant line on the EGR Cooler. It may be easier to cut the line. Note: The line will not be re-used.

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21. Remove the bolts on the rear flange of the EGR cooler. It is easier to access the bottom bolt from underneath the truck and the top bolt from above.
22. Rotate cooler to free dipstick tube and push dipstick tube to driver's side of steering shaft to get out of way temporarily.
23. With the dipstick moved out of the way, remove the EGR cooler by pulling forward and rotating it out of its mount.
24. Remove the bolt securing the coolant line to the timing cover. This line is attached to the lower EGR cooler mount and will be removed as one piece.



25. If you have purchased the four (4) M8x1.25-40mm bolts to reinstall the bottom EGR cooler bracket, use a 10mm wrench to remove the four bolts on the lower EGR cooler mount. Otherwise, skip this step.
26. Install the exhaust block-off using the 5/16-18 bolts and gasket.

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27. Remount the dipstick tube with the factory bolt.

28. Remove the coolant tube that was connected from the vertical EGR cooler to the engine. Replace it with the coolant plug supplied in the kit to block off the hole.



29. Install the coolant plug included in the kit. Use the factory bolts that secured the lines in place.

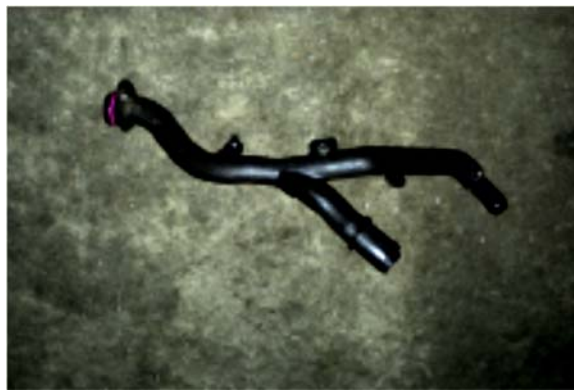


30. Use a 13mm wrench to re-install the stud using the standoff spacer, then secure the power steering line to the stud.

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31. Reinstall the plastic coolant tube (use caution not to crack or break it.)



32. Reconnect the steering shaft and torque to factory specifications.

33. Reinstall the battery box and degas bottle.

34. Reconnect the coolant lines to the degas bottle and reconnect the vent line to the battery box.

35. Clean the end of the silicone boot and intercooler tube with glass cleaner.

36. Reconnect the intercooler tube.

37. Reconnect the upper radiator hose and make sure the metal clips are securely in place.

38. Disconnect the wire connectors to the EGR valve.

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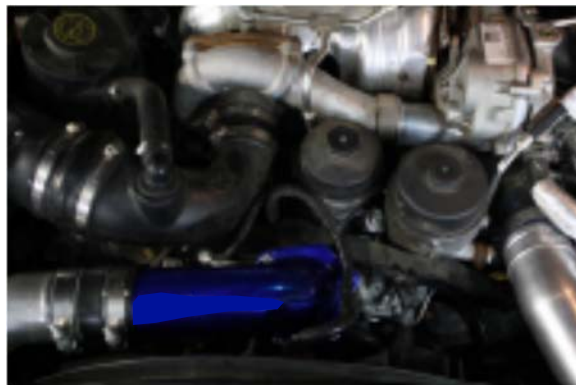


39. Remove four bolts and loosen hose clamp on the intercooler plumbing to remove the EGR valve.



40. Install the intake elbow by sliding the tube into the boot.

41. Using supplied M6-1.00 x 25 bolts secure the flange to the intake manifold.



42. Use the 3/8" hose that was saved from step four and the barbed hose connection from the kit to reconnect the coolant line running over the radiator to the degas bottle. The line will have to be cut to appropriate length. Reuse factory hose clamps on the connections.

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43. Refill the coolant according to factory specifications.

44. Run engine and check for leaks.