

OUTLAW DIESEL EGR COOLER DELETE KIT W/INTAKE ELBOW
2008-2010 6.4L FORD POWERSTROKE



By installing this product onto your vehicle,
you assume all risk and liability associated with its use.
Check all applicable laws before installing or using!

Item # DEGR64IE



Read Before Proceeding

- ✓ Federal, state and local laws may prohibit the removal and/or modification of any part of emissions or safety on any motor vehicles used on a public street or highway.
- ✓ It is your responsibility to make sure your vehicle complies with all federal, state, and local emissions laws. By installing this product, the purchaser and end user understand they may be violating local, state, and/or Federal laws and take full responsibility for any consequences, either direct or indirect, in result of use of this product.
- ✓ All civil and legal penalties for removing your vehicle's emissions equipment are the sole responsibility of the end user.
- ✓ Installing this product may void vehicle manufacturer's warranty.
- ✓ By installing, the purchaser and end user takes full responsibility of for any damages, claims, violations, injuries or expenses resulting in or relating to the installation and/or use of this product.
- ✓ Dale's Billets, LLC is not responsible for any liability of installation or use of this product.

What's in the box	
1	Exhaust Block-Off Plate
1	Exhaust Gasket
2	Coolant Line Plugs
1	Brass Barbed Hose Connector
1	Stand-off Spacer
4	M10-1.25 x 40 Hex Head Bolts (Exhaust Manifold)
2	M10-1.25 x 20 Hex Head Bolts
4	M6-1.25 x 25 Flanged Hex Head Bolts
2	Plastic Hose Routing Clips
1	Intake Elbow



Please ensure you have all pieces before beginning installation.

Instructions

Step 1	Make sure the front wheels are straight, then disconnect the batteries.
Step 2	Drain Coolant.
Step 3	Remove the 3/8" hose that runs to the degas bottle (coolant overflow tank). <i>(Keep this hose as it will be re-used during installation)</i>
Step 4	Remove the upper radiator hose by popping the wire clip out and pulling the hose straight out.
Step 5	Remove the driver side battery and all the coolant hoses going to the degas bottle.
Step 6	Remove the vent line going to the battery tray.
Step 7	Remove the battery tray and degas bottle. This is held on by four bolts. <i>(Afterwards, it should look like the image to the right)</i>
Step 8	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.
Step 9	Disconnect the electrical connector on top of the vertical EGR cooler.
Step 10	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.
Step 11	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.
Step 12	Remove the plastic coolant tube. Be careful to not break the coolant tube as it will be re-used during installation.
Step 13	Remove the upper radiator hose from the thermostat housing. If your radiator hose has a single O-ring it is a good idea to replace it with a new double O-ring version
Step 14	Remove the upper EGR cooler mount. Use a 10mm wrench to remove the three bolts. Use a 13mm wrench to remove the stud. Keep the stud for securing the power steering line during the install.
Step 15	Remove the steering shaft bolt and slide the stem up and out of the steering box shaft. Be careful not to turn the steering wheel or the tires.
Step 16	Remove the nut that secures the dipstick tube in place.

Step 17	Release the mounting clamps on the lower EGR cooler. It may be easier to access the clamps through the wheel well.
Step 18	Remove the coolant line on the EGR Cooler. It may be easier to cut the line since it will not be reused.
Step 19	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.
Step 20	With the dipstick moved out of the way, remove the EGR cooler by pulling forward and rotating it out of its mount.
Step 21	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.
Step 22	Use a 10mm wrench to remove the four bolts on the lower EGR cooler mount.
Step 23	Install the four replacement bolts (M10-1.25 x 40) in the exhaust manifold and torque to factory specifications.
Step 24	Install the exhaust block off using M10-1.125 x 20 bolts and gasket.
Step 25	Remount the dipstick tube with the factory bolt.
Step 26	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.
Step 27	Install the coolant plug included in the Outlaw EGR delete kit. Use the factory bolts that secured the lines in place.
Step 28	Use 13mm wrench to Re-install the stud using the spacer provided in the Outlaw EGR delete kit. Then secure the power steering line to the stud.
Step 29	Re-install the plastic coolant tube. Be careful not to crack or break it.
Step 30	Re-connect the steering shaft and torque to the factory specifications.
Step 31	Re-install the battery box and degas bottle.
Step 32	Re-connect the coolant lines to the degas bottle. Also re-connect the vent line to the battery box.
Step 33	Clean the end of the silicone boot and intercooler tube with glass cleaner. Reconnect the intercooler tube.

Step 34	Re-connect the upper radiator hose and make sure the metal clips are securely in place
Step 35	Disconnect the wire connectors to the EGR valve.
Step 36	Remove four bolts and loosen hose clamp on the intercooler plumbing to remove the EGR valve.
Step 37	Install the intake elbow by sliding the tube into the boot. Using supplied M6-1.25 x 25 bolts secure the flange to the intake manifold.
Step 38	Use the 3/8" hose that was saved from earlier and barbed hose connection from the kit to re-connect 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.
Step 39	Secure the coolant line over the radiator with the plastic hose routing clips.
Step 40	Refill the coolant according to factory specifications.
Step 41	Run engine and check for leaks.