



INSTALLATION INSTRUCTIONS

MAKE: Ford
MODEL: F-250/F-350
YEAR: 2008-2010
ENGINE: V8-6.4L (td)

EGR Cooler 46-90078 Cooler Horizontal

aFe recommends professional installation on our products



Parts Included:

- EGR Cooler (1)
- M8 Studs (2)
- M8 Nuts (2)
- M8 Bolts (2)
- EGR Clamp (2)
- Gaskets (2)
- Coolant Hose (1)
- Clamps (2)

Tools Needed:

- 8mm Socket
- 10mm Socket
- 13mm Socket
- 15mm Socket
- 7/16" Deep Socket
- 3/8" Driver Ratchet
- 3/8" Driver Extension
- Flathead Screwdriver

CAUTION: Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Engine bays reach high temperatures and may cause serious burns. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation. aFe recommends professional installation on our products.

- 1: Make sure the front wheels are straight and the steering wheel is not locked.
- 2: Disconnect both batteries and remove the driver side battery.
- 3: Drain the engine coolant.
- 4: Remove and retain the 3/8" hose that runs to the degas bottle (coolant overflow tank).
- 5: Remove the upper radiator hose by popping the wire clip out and pulling the hose straight out.
- 6: Remove all of the coolant hoses going to the degas bottle, battery tray vent line, battery tray and degas bottle.
- 7: Loosen the clamp on the driver side intercooler tube and separate the intercooler tube from the rubber boot. It is not necessary to remove the tube.
- 8: Disconnect the electrical connector on top of the vertical cooler.
- 9: Disconnect all the coolant lines running to the vertical EGR cooler. Remove the nuts and bolts securing the coolers together. Release the mounting clamps, and separate the two coolers.
- 10: Hold the intercooler tube back while pulling the vertical EGR cooler up and out.
- 11: Remove the steering shaft bolt, and slide the stem up and out of the steering box shaft.
Note: Do not turn the steering wheel or tires while the steering shaft is disconnected.
- 12: Remove the nut that secures the dipstick tube in place.
- 13: Release the mounting clamps on the lower EGR cooler. It may be easier to access the clamps through the wheel well.
- 14: Remove the coolant line on the EGR Cooler. This hose will be reused for installation. Be careful not to damage the hose.
- 15: 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.
- 16: With the dipstick moved out of the way, remove the EGR cooler by pulling forward and rotating it out of its mount.
- 17: Place the aFe horizontal EGR Cooler into the factory location. Re-install the bolts on the rear flange.
- 18: Reconnect the coolant hose to the horizontal EGR Cooler. Re-secure the clamps that hold the EGR cooler in place and reinstall the nut that secures the dipstick in place.
- 19: Reconnect the steering shaft.
- 20: Holding the intercooler tube out of the way, put the vertical EGR cooler back in place.
- 21: Reinstall the nuts and bolts securing the coolers together. Re-secure the mounting clamps. Reconnect all of the coolant lines to the vertical EGR cooler.
- 22: Reconnect the electrical connector on top of the vertical cooler.
- 23: Reinstall the intercooler tube, and tightly secure the hose clamp in place.
- 24: Reinstall the battery tray, degas bottle, coolant hoses going to the degas bottle and the vent line going to the battery tray.
- 25: Reinstall the upper radiator hose. Make sure to clip the wire clip back into the keeper slot.
- 26: Reinstall the 3/8" hose that runs to the degas bottle.
- 27: Refill the engine coolant.
- 28: Install the driver side battery and reconnect both batteries.
- 29: Your installation is now complete, Enjoy!