

2017-2019 6.7L POWERSTROKE EGR DELETE KIT MANUAL

Installation Guide

Read the complete guide before beginning. Keep removed hardware organized, follow all safety precautions, and verify all connections before operating the vehicle.



Warning

Not legal for sale or use on pollution-controlled motor vehicles anywhere in the United States. Legal ONLY for off-road competition race vehicles and cannot be used on vehicles that are operated on public streets, roads, or highways.

Disclaimer

1. By installing this product onto your vehicle, you are assuming all risk and liability associates with its use.
2. It is your responsibility to make sure your vehicle complies with all federal, state, and local emission laws. Any penalties and fines for removing your vehicle's emission equipment are the sole responsibility of the end user.
3. Due to it's high performance nature, this product may void the vehicle manufacturer's warranty.

is not responsible for misuse of it's products. By installing this of any and all liability associated with it's use.

5. The purchaser and end user releases, indemnifies, discharges, and holds from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installing of this product that is in violation of the terms and conditions on this page, the product

disclaimer, and/or the product installation manual. The Diesel Performance will not

be liable for any direct, indirect, consequential, exemplary, punitive, statutory, or

incidental damages or fines caused by the use or installation of this product.

Caution!

Never work on a hot vehicle as serious injury in the form of burning can result if

the vehicle has been in use. Allow the vehicle to cool prior to installation. Always

wear eye protection when working on or under any vehicle.

Note: The use of penetrating spray can be applied liberally to all exhaust

fasteners to aid in removal.

Kit Contents

QTY

Item

EGR Cooler Pass Through Plate

Intake Manifold Block Off Plate

Exhaust Manifold Block Off Plate

Molded Silicone Coolant Hose

EGT Probe Adapter

Large Stainless Steel Hose Clamp

Small Stainless Steel Hose Clamp

5/16" Brass Hose Coupler

3/8" Brass Hose Coupler

M6 x 20MM SS Bolt

M6 x 30MM SS Bolt

Vacuum Hose Cap

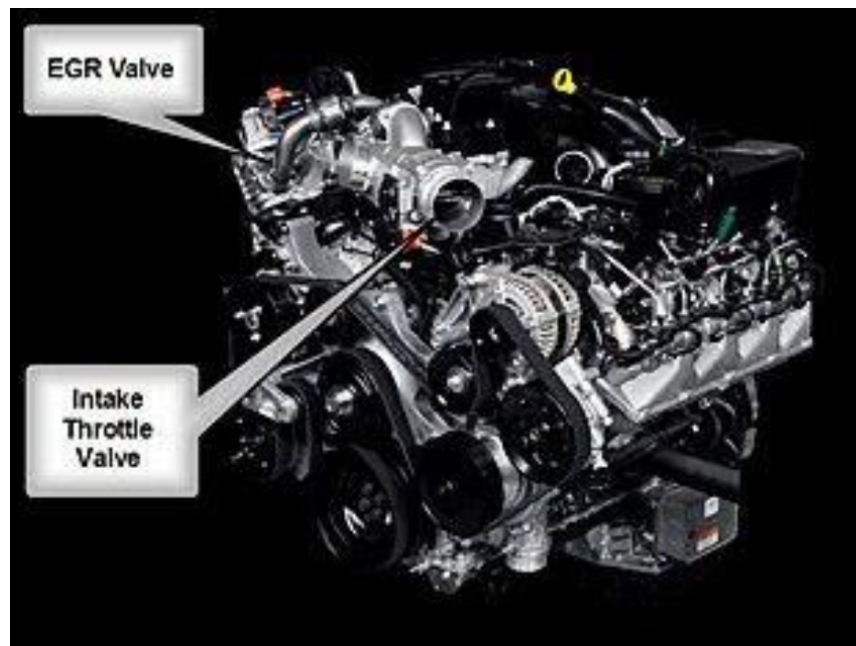
Zip Tie

Unplugging the EGR Cooler

If you are doing emissions off tuning for your truck but are leaving the EGR cooler in place, unplug these connectors to not have warning codes.

6.7L Powerstroke EGR Plugs to be undone





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Step One: On the passenger side of the engine locate the EGR Cooler.



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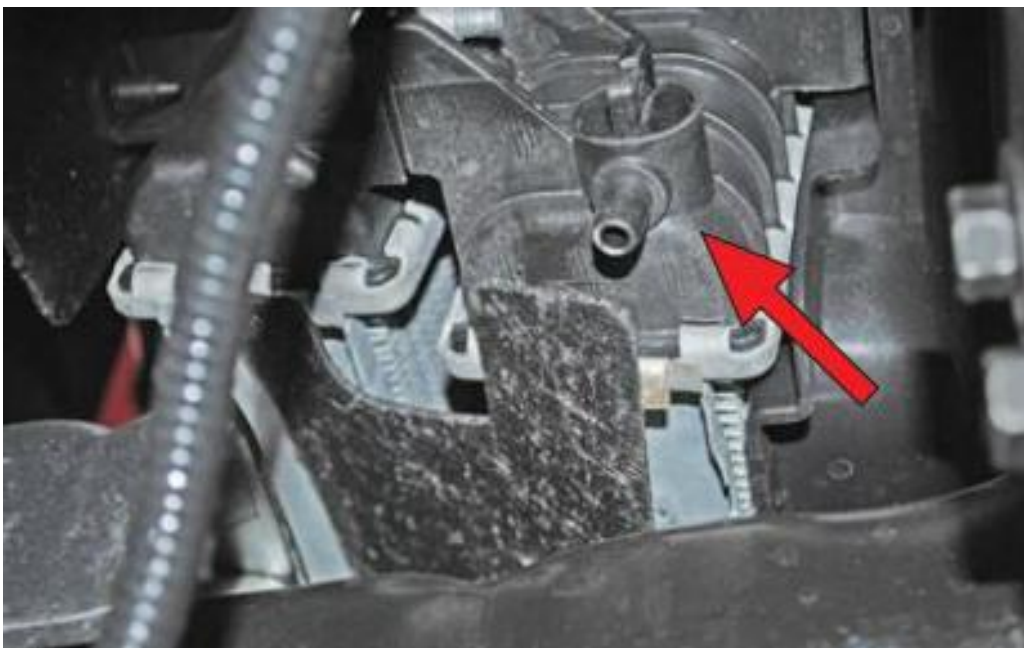
Step Two: Undo the plugs circled on the EGR Cooler.

STEP 1

Disconnect the negative terminal on both batteries.

STEP 2

Drain approximately 12 liters (that's about 3 US gallons or 2.5 imperial gallons) of coolant from both the hot and cold sides of the radiator. Turn the drain 90 degree (or $\pi/2$ radians, if you're so inclined) counterclockwise, then pull outwards and turn a additional 90 degrees counterclockwise.



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STEP 3

Loosen the two clamps on the air intake tube using a 7mm socket and unplug the MAF sensor that is located on the intake tube by releasing the red locking tab. Remove the air intake tube.



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STEP 4

Remove the three hose clamps on the 5/16" coolant hose and remove the tee. Install the supplied 3/8" straight barbed fitting and two small stainless steel hose clamps.



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STEP 5

Disconnect the quick connect coolant line from the metal stand pipe that is between the EGR cooler and the intake manifold.



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STEP 6

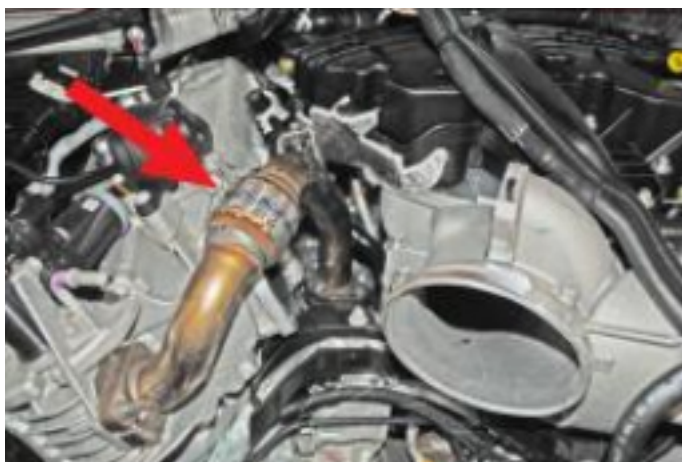
Disconnect the EGR temperature sensor using a 14mm wrench and remove the short EGR pipe using an 8mm socket.



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STEP 7

Remove the longer EGR pipe that is fastened with (5) 6 mm bolts using an 8mm socket.



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STEP 8

Unplug the harnesses on top of the EGR cooler and vacuum hose by first removing the 90 degree fitting. Install the supplied vacuum hose cap and zip tie the harnesses to the PCM harness.



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STEP 9

Unplug the PCM harness from the PCM and secure out of the way.



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STEP 10

Remove the two bolts that secures the wiring harness to the EGR cooler using an 8mm socket.



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STEP 11

Remove the two clips on the heat shield that are located on the passenger side under the EGR cooler.



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Remove the seven bolts that hold the EGR cooler in place using an 8mm socket. Step 12:



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STEP 13

Remove the 10mm nut that retains the EBP hard line to the back of the EGR cooler.

Note that on 2015-2016 trucks, the nut is a 12mm.



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STEP 14

Remove the EGR cooler from the truck.

STEP 15

Install the supplied DIRTY exhaust manifold block off plate and factory gasket using two of the supplied M6x20mm bolts with a 5mm allen wrench. If not installing an aftermarket 1/8" EGT Probe, install the supplied DIRTY EGT Probe Adapter with a 5/8" socket and one of the factory EGT sensors from the DPF system.



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STEP 16

Install the supplied DIRTY EGR cooler pass through plate using three of the M6x30mm bolts with a 5mm allen wrench.

STEP 17

Install the supplied DIRTY intake manifold block off plate using two of the supplied M6x20mm bolts with an allen wrench. Ensure the o-ring is properly seated before installing.



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STEP 18

Reconnect the quick connect coolant hose to the metal standpipe. Reconnect the top line to the brass barbed fitted from step 8 (if you haven't already).



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STEP 19

Reconnect the PCM harness. Make sure the plugs are fully seated.

STEP 20

Reinstall all of the intake components.

STEP 21

Refill coolant following factory specifications. Run the engine and check for leaks.

After the vehicle has reached operating temperature, check coolant level and add as needed.

STEP 22

Install the supplied EGR coolant pass through plate using three of the M6 x 30mm bolts with a 5mm allen wrench.

