



**2013-2024 6.7L Cummins Cab & Chassis**


# **EGR Delete Kit**

## **Installation Manual**

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## **Warning Regarding Emissions Laws**

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



## **Disclaimer**

### **(1) Assumption of Responsibility**

By installing this product on your vehicle, you assume all risks and legal liabilities associated with the use of this product.

### **(2) Regulatory Compliance Obligations**

- You are responsible for ensuring that your vehicle fully complies with federal, state and local emission regulations. (Federal and certain local laws prohibit the removal, modification or disabling of any component that affects vehicle emissions or safety design.)
- Fine penalties or fines resulting from the removal of vehicle emission equipment shall be borne by the end user.
- Use on public roads or highways is prohibited. Violators may face fines.
- All civil penalties or fines resulting from the removal of vehicle emission equipment shall be borne by the end user.

### **(3) Impact of Factory Warranty**

Due to the high performance characteristics of this product, the factory warranty provided by the vehicle manufacturer may be affected and invalidated.

### **(4) Product Misuse Disclaimer**

SuncentAuto assumes no liability for improper use or installation of the product. By installing this product, you are deemed to have released SuncentAuto from any and all legal liability related to its use.

## **(5) Regional Legal Restrictions**

The installation or use of this product may be restricted according to local regulations. Please check all applicable laws before operation.

## **(6) Legal Liability Exemption**

The purchaser and end user agree to release SuncentAuto from any claims, damages, lawsuits, injuries or expenses caused by the following actions, including but not limited to:

- Breaking the terms of this statement, product disclaimer or installation instructions;
- Direct, indirect, incidental, punitive, statutory or special damages or penalties arising from the installation or use of this product.



## **Installation Precautions**

### **(1) Never Work on a Hot Vehicle**

If the vehicle is in use, severe burns may occur. Allow the vehicle to cool before installation. Always wear goggles when working on or under any vehicle.

### **(2) Remove Rust/Lubricate Fully Before Disassembly**

Older vehicles have more rust on the bolts. Before disassembly, spray rust remover (WD-40) and wait for 10 minutes. Remove rust/lubricate fully before disassembly to prevent damage to the screws. (We have received many cases of damage, so we would like to remind you of this.)

### **(3) Add Coolant After Installation**

After the product is installed, please remember to add enough coolant to ensure that the water level scale of the auxiliary water tank is at the standard water level when the thermostat is open (large cycle).

## STEP 1

Remove the intake housing bolt.

Disconnect the Mass Air Flow (MAF) ③ sensor.

Disconnect the TBAP ② sensor.

Loosen clamp ④ and disconnect the intake air tube ⑤ from the air cleaner body ①.

Lift and remove the air cleaner body ①.

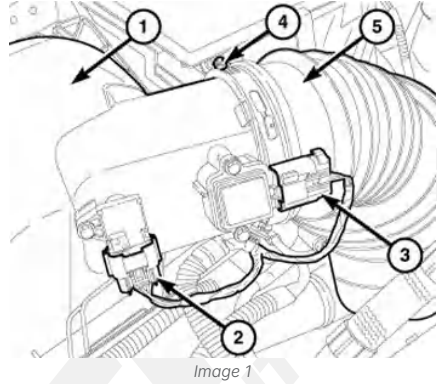


Image 1

## STEP 2

Disconnect the breather hose ③.

Loosen the clamp ① and remove the outlet ② tube from turbocharger.

Remove the four bolts and the engine cover.

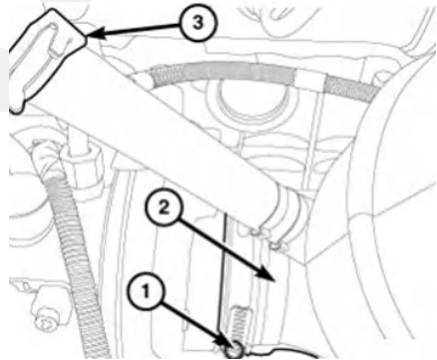


Image 2

## STEP 3

Disconnect the coolant bottle hose (4).

Remove the banjo bolt (2) securing coolant hoses.

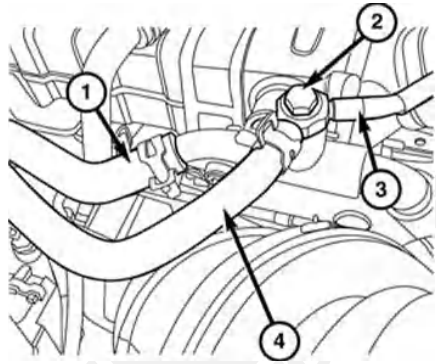


Image 3

## STEP 4

Remove bolts (2) and the EGR detach the EGR crossover tube (3) from the EGR cooler (1).

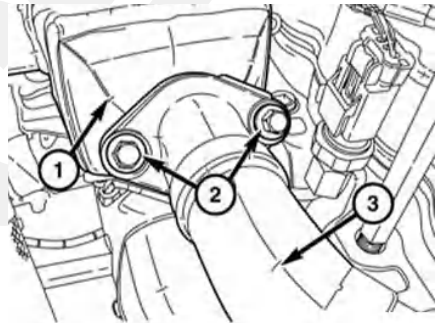


Image 4

## STEP 5

Disconnect the breather hose (1), remove the bolt (3), and the breather tube (2).

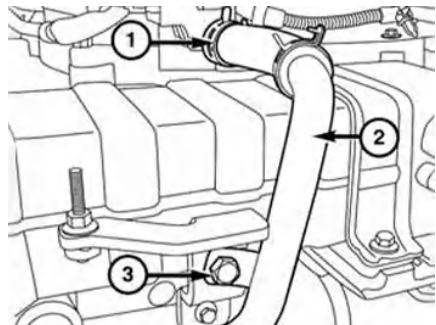


Image 5

## STEP 6

Remove the bolt ②, and the front coolant outlet tube ① from connection.

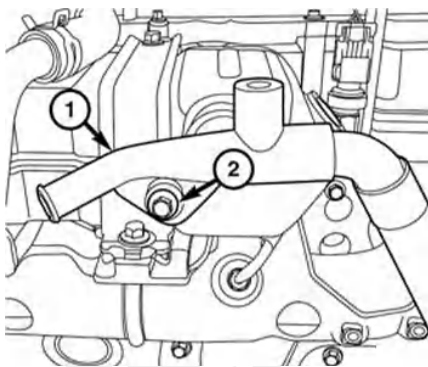


Image 6

## STEP 7

At the outlet of the EGR cooler, plug it with the cover provided with the kit. (as shown in Image 8, Image 9)



Image 7



Image 8

## STEP 8

Remove the bolt ①, and the rear coolant inlet tube ② from connection.

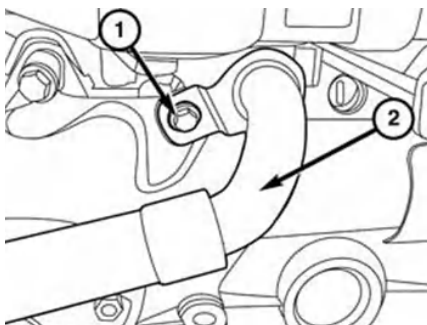


Image 9

## STEP 9

Remove the EGR cooler mount bolts ①.

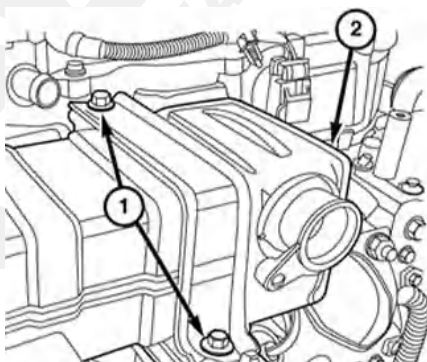


Image 10

## STEP 10

Remove nuts ③ and the EGR cooler.

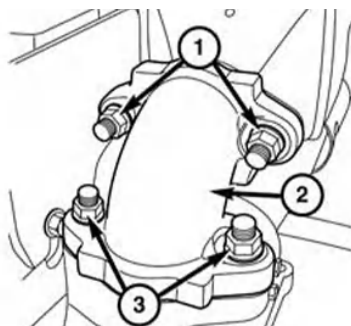


Image 11

## STEP 11

Install the exhaust baffle on the exhaust manifold as shown in the figure. (Image 12)



Image 12

## STEP 12

Remove the bolt ② and the rear EGR cooler inlet tube ①.

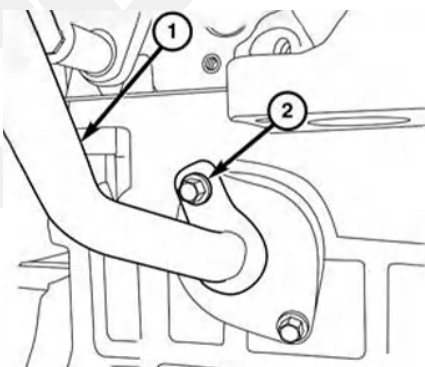


Image 13



## STEP 13

Use the plug included in the kit to plug the water inlet of the EGR cooler. If necessary, apply a thin layer of sealant to prevent coolant leakage.



Image 14

## STEP 14

Remove the original EGR valve and install the included air inlet baffle onto the intake pipe.

(Image 15)



Image 15

## STEP 15

Add coolant and start the vehicle to check for leakage.