



**2007-2009 6.7L Cummins**

# **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

Disconnect Batteries.

## STEP 2

Drain coolant.

## STEP 3

Remove the 4 screws on the plastic cover and remove the plastic cover.



Image 1



Note: The oil dipstick must be removed in order to remove the plastic engine cover.

## STEP 4

Loosen the V-band clamps and remove the crossover pipe. Then unplug and disconnect the intake valve.



Image 2



Image 3

## STEP 5

Remove 4 screws and electrical plug from intake valve (Image 4). Remove any existing gasket material from intake manifold (Image 5).



Image 4



Image 5

## STEP 6

Unplug the throttle valve connector located beneath the intake elbow (Image 6), top view of throttle valve (Image 7).

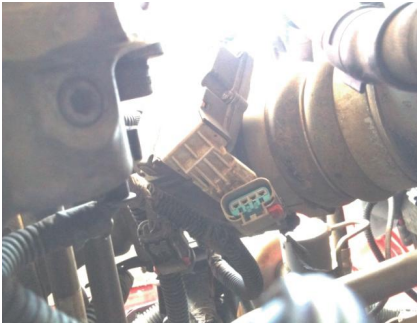


Image 6



Image 7

**If the kit you purchased includes throttle removal, please refer to the installation method below.**

Remove the original throttle, unplug the motor plug, and install the throttle tube in the kit.



Image 8



Image 9

## STEP 7

Install SuncentAuto intake plate with supplied bolts making sure o-rings are fully seated (*Image 10*).

Then remove heat shield from EGR bypass (*Image 11*).



Image 10



Image 11

## STEP 8

Remove 4 bolts to exhaust bypass.



Image 12

## STEP 9

Remove exhaust servo motor and exhaust bypass together.



Image 13

## STEP 10

Remove 4 EGR Cooler mounting bolts and disconnect all hoses.



Image 14



Image 15



## STEP 11

Remove v-band clamp from front of EGR Cooler (*Image 16*).

Pull EGR cooler up and out towards the front of the truck (*Image 17*).



*Image 16*



*Image 17*

## STEP 12

Unbolt EGR cooler mounting bracket by removing the 2 bolts that attach to the block (*Image 18*).

Once bracket is removed, remove the exhaust crossover elbow, then remove the 4 bolts that hold the motor cover (*Image 19*).



*Image 18*



*Image 19*

## STEP 13

Install supplied stainless steel exhaust block off plates (*Image 20*).  
Next install new supplied coolant tube (*Image 21*).



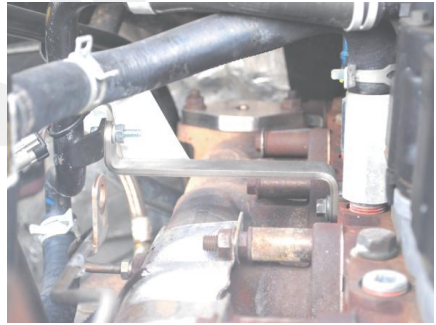
*Image 20*



*Image 21*

## STEP 14

Attach the provided bracket to the mounting hole on the head where the egr cooler bracket was. Use the existing bolt and bolt hole located directly behind the vertical coolant line.



*Image 22*

## STEP 15

Use the provided hardware to attach the dipstick tube and coolant line support bracket to the other end of the provided bracket (*Image 22*).