



2004.5-2005 GM 6.6L Duramax LLY

EGR Delete Kit

with Intake Tube - Installation Manual

 [suncentauto_official](#)

 [Suncentauto.com](#)

 [Suncentauto](#)

 support@suncentauto.com



www.suncentauto.com



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 intake resonator by loosening hose clamp and support bolt.



Image 1

STEP 4

Disconnect the mass air flow sensor. Remove the intake tube by loosening the hose clamps on the intake tube.



Image 2

STEP 5

Remove zip ties and pull wiring away from intake charge tube.



Image 3

STEP 6

Remove the intake tube from the vehicle. The intake tube is held in place by one hose clamp and six bolts. Two bolts secure the flange at one end and the four remaining bolts secure the intake tube to the EGR Valve.



Image 4



Note: Stuff a clean rag in the rubber boot to keep debris out of the intake system.

STEP 7

Remove the PCV hose on passenger side of truck.



Image 5

STEP 8

Remove the four bolts and nuts near the firewall that secure the EGR cooler in place.

STEP 9

Remove the 4 bolts and nuts that hold the EGR valve to the motor. Disconnect all coolant lines running to the EGR cooler. The entire EGR assembly can now be pulled up and out. Be sure to save the exhaust gasket for installation of the block off plate.

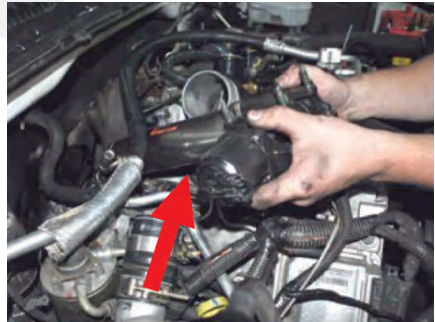


Image 6

If you purchased a kit with a high-flow intake line, please ignore the following (Step 10, Step 11) installation steps.

STEP 10

Install the two intake baffles with o-rings as shown in the figure.



Image 7



Note: Use longer hexagon socket bolts on the side close to the front of the vehicle. (Image7)

STEP 11

Install the supplied support bracket to the motor, re-using one of the factory bolts and the supplied M10 × 20 hex head bolt.



Image 8

STEP 12

Reusing the Factory gasket, install the exhaust block-off with the supplied 20mm and 30mm bolts. All bolts will be installed from the backside of the block-off plate.



Image 9

STEP 13

Replace the EGR cold coolant line with the provided coolant line. This will reconnect the coolant from the firewall to the thermostat.



Image 10

STEP 14

Re-install intake tube with the front long bolts going through the previously installed support bracket.



Image 11

STEP 15

The high-flow air intake pipe in the kit is used to replace the original air intake pipe, as shown in the figure.

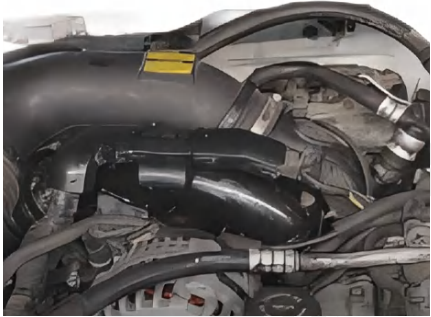


Image 12

STEP 16

Reverse earlier steps to re-install the pcv hose, electrical wires, intake and intake resonator.

STEP 17

Refill Coolant to factory specifications. Run Engine and check for leaks. Top off the coolant as needed.