



Thank you for purchasing a Sinister Manufacturing Company EGR delete kit.

Precision manufactured using the highest grade 304 stainless steel and 6061 billet aluminum; this EGR kit is designed to endure years of heavy use. Installing a Sinister EGR kit with on your vehicle will eliminate exhaust from entering the intake and lowering exhaust gas temperatures. This kit will also prevent coolant from leaking into the intake. The result is a slight gain in horsepower and longer engine life. These installation instructions have been written to help you in the installation of your Sinister EGR kit. Please read it completely before installing your kit.

*This Kit has been designed for:
2004.5-2005 Chevy 6.6L Duramax LLY*

This kit may void factory warranty please check with manufacturer.

This kit is intended for off-road use only.

Sinister Manufacturing Company recommends that a diesel shop or professional after market parts installer, who has all the necessary equipment, tools and experienced personnel needed for proper installation, should perform the installation of this system. However, if you decide to perform the installation, we recommend someone should help you. Ensure the installer uses all under car safety precautions including eye protection.

Please take time to read and understand the following...

By installing your Sinister EGR kit, you indicate that you have read this document and you agree with the terms stated below. It is the responsibility of the purchaser to follow all installation instruction guidelines and safety procedures supplied with your Sinister EGR kit.

Sinister Manufacturing Company assumes no responsibility for damages occurring from misuse, abuse, improper installation, improper operation, lack of responsible care, or all previously stated reasons resulting from incompatibility with other manufacturer's products and/or systems.

Included with your Sinister EGR kit is a warranty card. Please read it carefully before you begin any work on your vehicle. If you should have any questions regarding our warranty policy, installation, or any other matter pertaining to your new Sinister EGR kit, please give us a call at the number provided on the warranty card.

Please call us at 877-692-4110 Mon-Fri 8am-5pm
if you need any additional assistance.

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2025 Opportunity Drive Ste 7, Roseville, CA 95678

Sinister Mfg. Company Diesel EGR bill of materials



PACKING LIST:

QTY. DESCRIPTION

- 3 M8 x 30mm bolts (long)
- 5 M8 x 20mm bolts (short)
- 2 Worm drive hose Clamp
- 1 3/4" x 17" silicone hose
- 1 304 SS intake support bracket
- 1 M8 Nut
- 2 Billet EGR block-off plates with o-rings
- 1 Billet Stainless exhaust block-off

Caution!!! Never work on a hot exhaust system. Serious injury in the form of burns can result if the vehicle has been in use and the exhaust system is hot, allow vehicle to cool for at least 1 hour. Always wear eye protection when working under any vehicle.

Note: It is our recommendation that you use a hoist or hydraulic lift to facilitate the installation of your new Sinister EGR Delete Kit (for exhaust removal).

Note: Before removing the original parts from your vehicle, please compare the parts you have received with the bill of materials provided on this page to assure that you have all the parts necessary for the installation of your new Sinister EGR kit.

Note: With a used vehicle, we suggest a penetrating spray lubricant to be applied liberally to all exhaust fasteners and allowing a significant period of time for the chemical to lubricate the threads before attempting to disassemble.

Original EGR System Removal

Step 1: Disconnect Batteries

Step 2: Drain coolant

Step 3: Remove intake resonator by loosening hose clamp and support bolt. Figure 1.0

Step 4: loosen hose clamps from intake tube and remove. Figure 2.0



Figure 1.0



Figure 2.0

Step 4: Remove zip ties and pull wiring away from intake manifold. Figure 3.0

Step 5: Remove the 4 bolts holding the intake to EGR and the 2 bolts to the intake crossover. Loosen hose clamp on boost tube and remove intake manifold. Figure 4.0



Figure 3.0



Figure 4.0

Step 5: Remove PCV hose on passenger side of truck. Figure 5.0

Step 6: Remove the 4 bolts and nuts on exhaust side of the EGR cooler.

Step 7: Remove the 4 bolts and nuts that hold the EGR to the motor and disconnect the hoses on the front and back of cooler and pull the entire EGR assembly up and out. Figure 6.0



Figure 5.0



Figure 6.0

Step 8: Pre-assemble the intake tube with the 2 blue anodized plates using 3 short bolts and 1 long one. Figure 7.0

Step 9: Re-install intake tube with supplied stainless steel support bracket and nut to the long screw on intake tube block-off plate and make sure to reuse factory bolt to mount stainless steel bracket to the engine. Figure 8.0

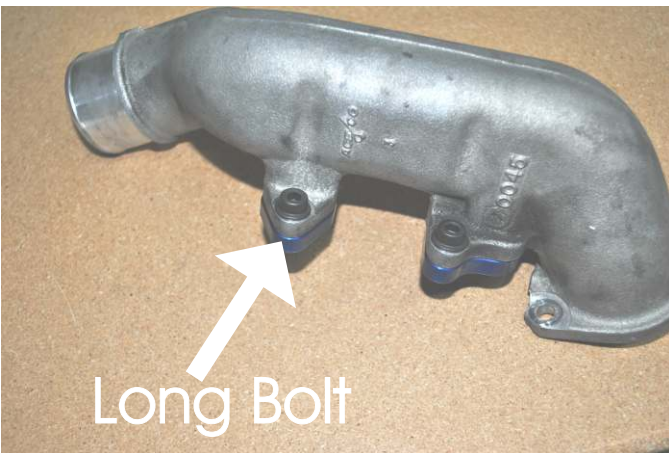


Figure 7.0



Figure 8.0

Step 10: Install polished stainless exhaust block-off plate using two 20mm and two 30mm bolts
Figure

Step 11: Install supplied hose from the firewall to the front of the motor in place of the factory EGR cooler. Figure 10.0



Figure 9.0



Figure 10.0

Step 12: Reinstall intake, boost tube, intake resonator, pcv hose, wires etc. in reverse order from steps 1-4

