

**2004.5 - 2005 LLY DURAMAX**  
COOLER UPGRADE KIT

**USER MANUAL**

# Warning Regarding Emission 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

- By installing this product onto your vehicle, you assume all risk and liability associated with its use.
- It is your responsibility to make sure your vehicle complies with all federal, state, and local emissions laws. Federal and many state and local laws prohibit the removal, modification or rendering inoperative of any part of the design affecting emissions or safety on motor vehicles used on a public street or highway. Violation may result in a fine of up to \$32,500 per vehicle (or possibly higher depending on changes in the law). All civil penalties and fines for removing your vehicle's emissions equipment are the sole responsibility of the end user.
- Due to its high performance nature, this product may void vehicle manufacturer's warranty.
- GDP Tuning, LLC. is not responsible for misuse of its products. By installing this product, you release GDP Tuning, LLC. of any and all liability associated with its use.
- Depending on where you live, restrictions may apply. Check all applicable laws before installing or using!
- The purchaser and end user releases, indemnifies, discharges and holds harmless GDP Tuning, LLC. from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions on this page, the product disclaimer, and/or the product installation instructions. GDP Tuning, LLC. 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.

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## Caution

Never work on a hot vehicle. Serious injury in the form of burns can result if the vehicle has been in use. Allow vehicle to cool prior to installation. Always wear eye protection when working on or under any vehicle.

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GDP420016



## Step 1

Disconnect both Batteries.

## Step 2

Drain coolant.

## Step 3

Remove intake resonator by loosening hose clamp and support bolt.



## Step 4

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



## Step 5

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



## 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.

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.



## 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.



## Step 10

Pre-assemble the charge tube with the supplied blue block off plates with O-rings.  
Note: Be sure to install the two longer bolts on the front side of the tube.



## Step 11

Install the supplied support bracket to the motor, re-using one of the factory bolts and the supplied M10 x 20 hex head bolt. NOTE: image shows previous bracket design.



## Step 12

Reuse the Factory gasket, with the supplied 20mm and 30mm bolts. All bolts will be installed from the plate.

## Step 13

Replace EGR coolant lines with the supplied GDP coolant line. This will reconnect the coolant.





## Step 14

Re-install intake tube with the front long bolts going through the previously installed support bracket. NOTE: image shows previous bracket design.



## Step 15

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