

GM LMM EGR Delete Kit

Fits: 2007.5-2010 Duramax

Read instructions thoroughly before proceeding!

*****This kit may void factory warranty - please check with manufacturer.*****

*****This kit is intended for off-road use only.*****

Parts List:

Qty.	Description
2	Billet Intake Block Off Plate with O-ring
1	Exhaust Block Off Plate
1	Intake Support Bracket
1	Support Bracket Washer
2	Hose Clamps
2	M8 Flange Nuts
2	M8 x 20 Cap Head Bolts
2	M8 x 30 Cap Head Bolts
2	M8 x 25 Hex Head Bolts
2	M10 x 20 Hex Head Bolts
1	"U" Shaped Coolant Tube

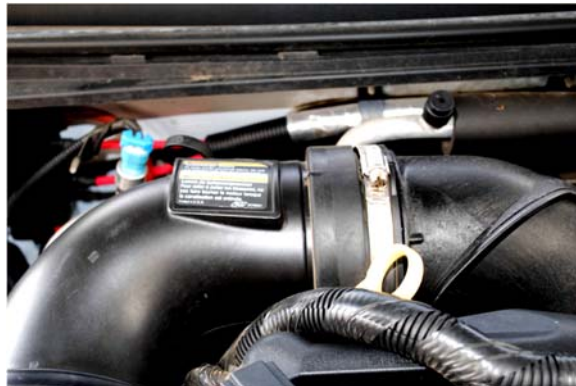
We recommend that a diesel shop or professional aftermarket parts installer, with the necessary equipment, tools and experienced personnel needed for proper installation, perform the installation of this system. However, if you decide to perform the work yourself, we recommend that someone should help you. Ensure that the installer uses all under-car safety precautions, including eye protection.

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1. Disconnect Batteries
2. Drain engine coolant by removing the passenger side inner wheel well and disconnecting the lower radiator line by removing the metal clip. (Note: The line does not need to be pulled all the way off, just enough to allow coolant to flow out.) Once coolant flow has slowed down and the overflow bottle is empty, reconnect the lower radiator line.



3. Loosen the hose clamps on the intake and disconnect the MAF sensor connector.
4. Remove the intake tube that is routed from the filter to the plastic turbo mouthpiece.



5. Remove the air box and filter, by gently prying out the three rubber grommets.

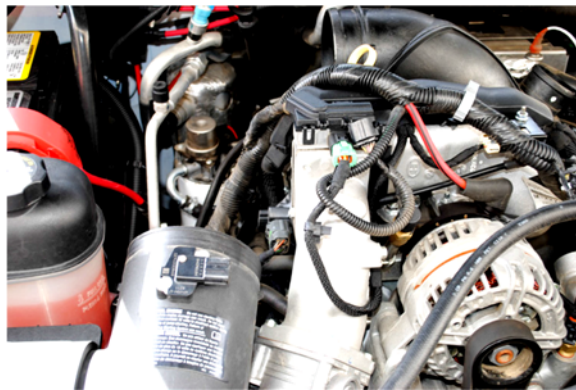


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6. Remove the resonator box on top of the engine by loosening the hose clamp at the base of the resonator box and remove the long bolt on the front of the resonator box.



7. Make sure that the main batteries are disconnected.
8. Disconnect the charge-back wire on the alternator and remove the plastic clip that holds the wiring harness to the plastic wireway.

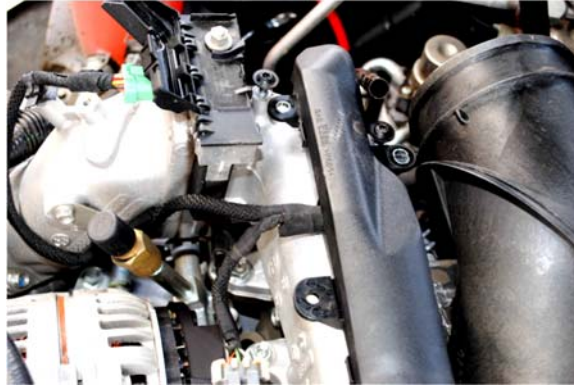


9. Open the plastic housing on top of the intake heater grid and disconnect the power wire.



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10. Remove the two bolts and one nut that secure the plastic wireway in place.



11. Disconnect the wire connector on the front of the intake heater grid and remove the bolt that secures the connector wires to the side of the intake.



12. Remove the plastic clip that is also holding part of the wire in place.

13. Remove the metal retaining clip on the plastic intercooler piping and disconnect the plastic piece from the cast aluminum piece.



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14. Remove the retaining bolts that secure the intake to the front of the bracket.



15. Remove the small tube that is attached to the cast intake, next to the intake heater grid.



16. Remove the four nuts and two bolts that hold the main section of the cast intake in place. It may be easier to remove the intake from the truck if you remove the two studs with an inverted torx socket. (Note: two bolts are located on the back side of the main section of the cast intake.)



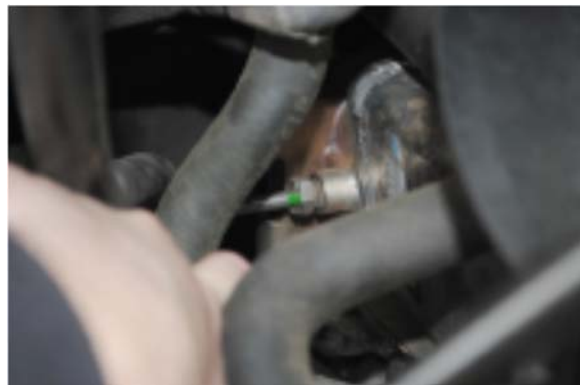
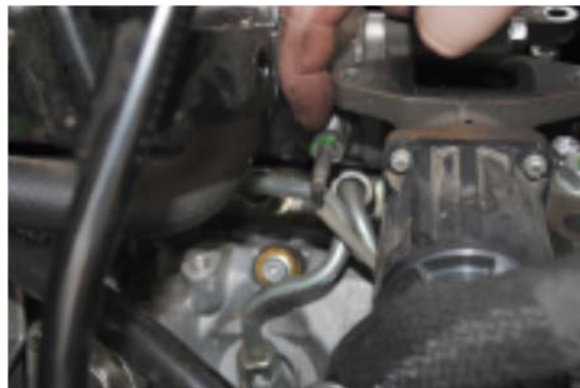
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17. Remove the PCV tube from the driver and passenger side valve covers as well as the plastic turbo mouthpiece.



18. Remove the plastic turbo mouthpiece by loosening the hose clamp that secures the mouthpiece to the turbo.

19. Remove the two temperature sensors from the EGR cooler on the passenger side.



20. Disconnect all of the coolant lines that are running to the EGR cooler.
21. Remove the EGR cooler that is secured by six bolts. Four at the back of the cooler (two bolts are facing forward and two are facing downward) and two rear facing bolts at the front of the cooler. Save the exhaust gasket for installation.

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22. Once the cooler is out, disconnect the temperature sensors at the electrical connectors and remove them from the vehicle.
23. Remove the EGR valve that is held in place with two bolts, keep one of these bolts as it will be used during installation.



24. Remove the coolant lines that previously ran to the EGR cooler.
25. Install the new exhaust block off plate using the factory gasket and the supplied hardware. Two M8 x 25 hex head bolts will bolt in from the back and one M10 x 20 hex head bolt will hold the bracket in place.



26. Using the supplied hose clamps install the supplied hose from the port on the firewall back to the port near the thermostat housing. Both of these ports previously had coolant lines that ran to the EGR cooler.

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27. Install the support bracket where the EGR valve was using the supplied hardware. The support bracket washer goes underneath the bracket on the M10 x 20 hex head bolt. The other support bracket bolt is one of the bolts that was removed in step 23.



28. Install the blue billet intake block off plates with o-rings onto the cast intake using the remaining supplied cap head bolts. Be sure that the longer bolts are on the side towards the front of the vehicle.



29. Re-install the plastic mouthpiece and the PCV tube.

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30. Re-install the cast intake piece into the factory location, the two longer bolts that are now towards the front of the vehicle, should line up with and fit through the two remaining holes in the support bracket. Use the supplied flange nuts to secure the intake to the bracket.



31. Re-install the plastic intercooler piping.

32. Re-connect the heater grid wire and mount the wire support bracket back in place.



33. Mount the wiring harness that is in the plastic liner back to the top of the cast intake piece. Be sure to mount the small metal bracket back onto the stud.



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34. Step 35: Re-connect the small tube coming from the sensor back to the port on the cast intake next to the heater grid.
35. Step 36: Re-connect the power wire that runs to the top of the heater grid under the plastic housing.



36. Re-connect the charge-back wire to the top of the alternator and use plastic clip to hold wiring harness to the plastic wireway.



37. Install the intake resonator box on top of the plastic turbo mouthpiece and secure it with the hose clamp on the bottom and the long bolt at the front of the resonator box.



38. Re-install the air intake and plug in the mass air flow sensor.

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39. After everything is tight, fill the vehicle with coolant through the overflow bottle.

40. Re-connect batteries.

41. Start the engine and let it run for a few minutes. Check for any leaks and if needed top off the coolant.

Note: Check coolant after driving, add coolant as necessary.