

INDUSTRIAL INJECTION — DIESEL PERFORMANCE —

LBZ/LMM COMPOUND TURBO KIT INSTRUCTIONS

1. Disconnect all battery cables.
Remove stock Intake and Air filter assembly.
2. Drain Coolant, Remove Water overflow bottle and passenger side battery and battery tray.
3. Remove passenger side inner fender.



4. Remove Stock down pipe and passenger side EGR up pipe.

5. Remove EGR assembly.

EGR Assembly



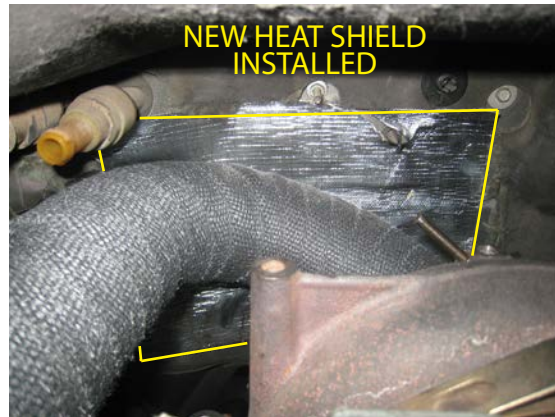
6. Remove Fuel filter assembly and hoses
LMM models only.
7. Remove breather tube.



8. Remove the starter of the truck, and with **37/64** drill bit drill a hole in the top of the oil pan and use a **3/8-18** pipe tap and tap the hole. Install the supplied 45 degree 3/8 fitting (use **Teflon tape on threads**), reinstall starter. Hook up supplied oil drain hose using the 90 degree fitting and connect it to the 45 degree fitting just installed.



9. Cut out a 10" X 12" square of insulation on the firewall behind the stock turbo. Install a piece of high temp heat shield supplied in its place.



10. Install new supplied up pipe and gaskets using factory bolts.



11. Install turbo support bracket on passenger side of motor using supplied bolts. Remove stock bolts connecting grounds bolt bracket and connect grounds. (**Note:** 2 upper bolts **LBZ**, 2 lower bolts **LMM**) (**Note:** move all hoses and, wires, Air conditioning tubes out of the way.)



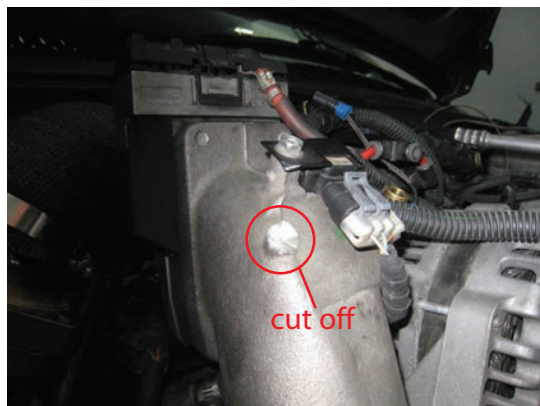
12. Install new turbo on support bracket using supplied gaskets and bolts. Connect the oil drain hose (note: loosen exhaust and compressor housings clamps so you can line up the pipes properly.)



13. Install New wrapped turbo pipe using stock V-band clamp and supplied bolts and exhaust gaskets. Adjust and align the exhaust housing and turbo pipe and tighten the 4 exhaust bolts. And then tighten stock V-band clamp tight.



14. Install the custom intake compressor Adapter flange on the stock turbo using the factory V-band clamp and the supplied O-ring.



15. Before installation of the stock intake assembly cut off the casting stub to make room for the intake charge pipe.

16. Install the stock intake assembly and supplied EGR block off plates, and connect all connectors and wires. Remove plastic cover over the wiring harness and wrap wiring harness with black electrical tape and move wires away from hot pipe.



17. Install black Rubber 90 degree hose(Cut hose to size) and clamps and intake charge pipe and rotate compressor housing fit and tighten all clamps (Note: make sure there is an O-ring in the Intake charge pipe).



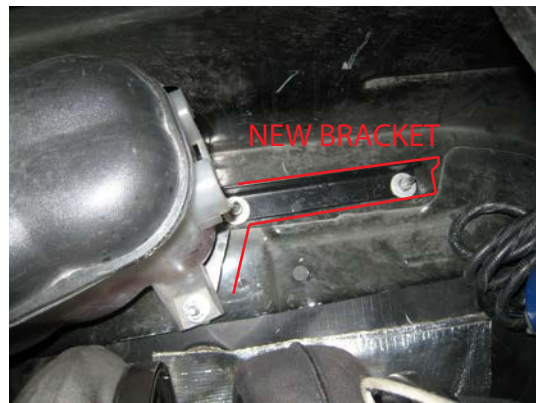
18. Once the turbo exhaust and compressor housing is adjusted to fit properly, tighten both the exhaust and compressor clamps on the turbo. Install the airfilter sensor in the supplied pipe and install the airfilter using the supplied clamps.



19. Install 4" down pipe with supplied clamp adjust downpipe while tighten so pipe don't rub on the frame or firewall. (**Note:** might need to loosen the 10mm nut holding the clamp and push the air conditioning unit towards the motor out of the way of the downpipe and retighten).

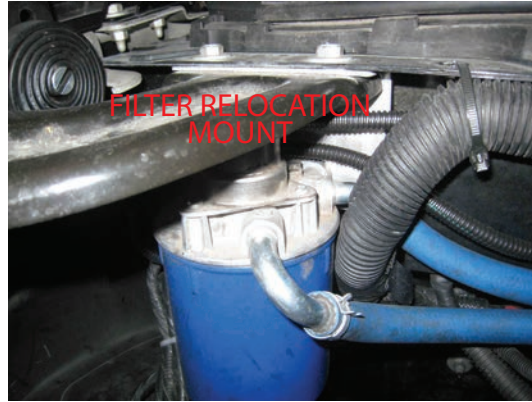


20. Install the steel braided oil feed hose from the stock turbo to the new turbo using the supplied fittings and hose.

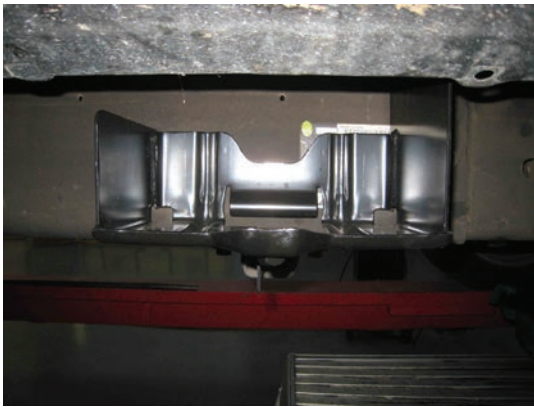


21. Install factory water overfill bottle using the supplied bracket and factory bolts and nuts. Connect the 3/4" water hose using the supplied hose, clamps, and fittings. Use the factory 1/2" hose and connect it to the water bottle. You must extend the water bottle sensor connector using the 40" black and green wire and connectors supplied. Use the factory u shape water hose and clamps to hook up the water from the firewall to the water fitting above the stock turbo.

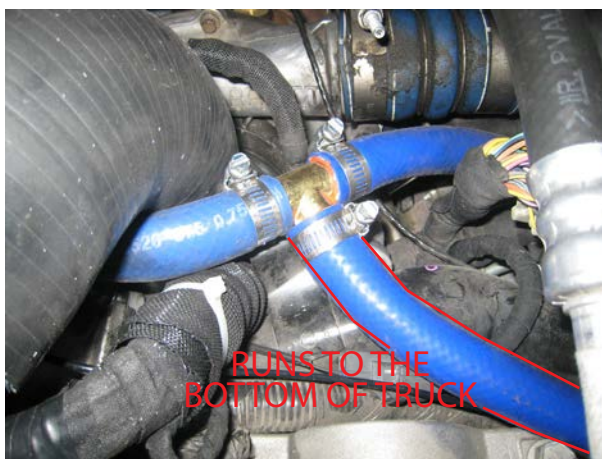
22. Install the fuel filter LMM only using the new supplied bracket using the factory bolts and remove the bolts on the fire wall on the support bracket on the passenger side and slide the bracket in between the bracket and firewall, and reinstall factory bolts and tighten. Install and run two new 27" fuel line and connect with 4 factory clamps. (Note: make sure fuel line is away from hot pipes) You must cut and lengthen all 4 wires 25" using the supplied wire (We recommend soldering all wire connections. (Note: Black/red wire is for the fuel heater, blue/black wire is for water separator sensor).



23. Install the new battery relocation bracket on the passenger frame mark and drill holes and install battery using the supplied bolts. Cut off the factory battery terminals and with the new supplied battery cables and terminals connect the battery and run the cables along the frame away from the down pipe.



24. Install the engine breather tube cut off both sides if the breather tube 1" from the bolt hole and connect 3/4" hose using clamps and fitting and use factory bolts and install back on engine.



25. We recommend you drain the oil and put new oil in the truck after you drilled and tapped the oil pan. Install remaining heat shield on the inner fender were the turbo will be. (**Note:** if turbo is rubbing fender wall use a heat gun to heat up plastic and push away from turbo housing. Put heat shield on fender.)



