

 **K.B.D Diesel Performance** PRODUCTS

2003-2004 6.0L



OR



2004-2010 6.0L

Includes:

1. EGR Cooler

Note:

Round 6.0l Powerstroke from 2003-2004

Rectangular 6.0l Powerstroke from 2004-2010

CAUTION: Never work on a hot vehicle. The hot exhaust system or hot engine can cause serious injury in the form of burns. If the vehicle has been in use or the engine was running and the exhaust system or engine is hot, allow the engine to cool for a minimum of one hour prior to starting the job. Always wear eye protection when working on or under the vehicle. Before removing any of the original parts from your vehicle, please compare the parts you have received with the picture and parts list of the kit you ordered. This assures that you have all the parts necessary for the installation. Prior to disassembly, we suggest applying penetrating fluid, such as PB-Blaster™ or JB-80™ to all exhaust fasteners. Before working on the vehicle, be sure it is parked on a level surface and is chocked to prevent the vehicle from rolling. Please also be sure the keys are removed from the vehicle for your safety.

1: Disconnect the batteries.

2: Drain the coolant.

3: Remove clips for the plastic wire way located above the turbo. Fold to the windshield of the truck.

4: Remove upper fan shroud by prying away from radiator through slots.

5: Loosen hose clamps and remove intake tube.

6: Unscrew bolts and remove turbo inlet tube and PCV Valve.

7: Loosen clamps and remove the intercooler tube.

8: Remove the alternator by removing bolts and disconnecting the wires.

9: Disconnect down pipe by removing the v-band clamp from back of the turbo.



10: Remove the 2 bolts holding the catalytic converter to the downpipe.

11: Remove the turbo charger by removing the two oil feed line bolts, VGT actuator wire, up-pipe, v-band clamp, and the three turbo mounting bolts. The turbo will then roll toward the passenger side of the truck and off the pedestal.

12: Remove the turbo mounting pedestal and the oil drain tube from the HPOP cover.

13: Loosen, but do not remove, the intake manifold bolts on the driver's side. Then completely remove the intake manifold bolts from the passenger side and note their location. Remove the two bolts that go through the inner fan stator, located under the shroud.

Note: If the intake manifold gaskets are deteriorated or if you would like to be on the safe side, now is a good time to remove the intake manifold completely and replace the intake manifold gaskets.

14: Remove the bolt that is used to secure the heater tube to the manifold, located below the alternator. Bend this tab upward.

15: Remove the three EGR cooler mounting bolts.

16: Push down on the EGR cooler and pull up on the intake manifold to free the EGR cooler from the manifold.

17: Use a small pry bar to hold the manifold up and move the EGR cooler toward the back of the engine. Continuing to hold the manifold, lift and remove the cooler through the front of the engine. Be sure that all of the gaskets and O-rings are removed with the EGR cooler.

18: We recommend replacing the blue silicon hose with a new silicon hose. Finger tighten the EGR cooler mounting bolts. Then install the v-clamp and tighten to factory specifications. **Be careful not to over torque the bolts.**

19: Replace the intake manifold bolts and torque to 120 inlbs.

20: Re-install the turbo, and all of the intake and exhaust tubes. Then re-install the alternator, shroud, wires, and etc. in reverse order.

21: Re-connect the batteries and refill with new coolant, using the manufacturers recommended coolant.

22: Start the engine and check for leaks. If no leaks are present, run the engine until the coolant circulates. Top off the coolant as needed.

Congratulations on your installation!



Check out our other Powerstroke parts!



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