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Intake Kit Installation Instructions: '03-'05 Dodge Ram L6-5.9L (td)

Kit Part #	Tools Required	Part List:	
54-10811	10mm socket or wrench	1 Air Filter Replacement P/N (24-91032, 21-90028 Pro Dry S™ or 72-90028 Pro-GUARD 7™)	3 1/4" split lock washer
51-10811 Pro Dry S™	13mm socket or wrench	1 Filter housing	1 Trim seal 47" long
75-10811 Pro-GUARD 7™	9/16 socket or wrench	1 Intake tube	3 1/4" flat washer
Make: Dodge	Ratchet and extension	2 Screws for sensor pad (8-32 x 5/8")	1 Temp sensor gasket
Model: RAM 2500-3500	Small Flat Screwdriver	2 Hex bolts, (3/8-16 thread)	
Engine: Cummins 5.9L-L6 including HO 600 and 610 Engines	Med flat screwdriver	2 Nuts, locking (3/8" - 16)	
Year: 2003-2006		4 Washer, (3/8" - 7/8")	
		3 1/4-20 combination head machine screw	

Step 1



Complete kit components

Step 2



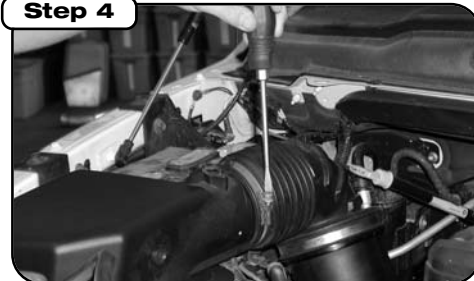
Complete stock intake. Make sure that the engine has sufficiently cooled down prior to starting installation of this kit.

Step 3



Disconnect the factory wiring harness from the intake temperature sensor located on the top of the airbox. Remove the intake temperature sensor from the airbox and set aside.

Step 4



Loosen clamp holding factory tube to factory airbox, do not remove clamp from tube, but remove tube from airbox.

Step 5



Using 10 mm wrench, remove the bolt that secures the factory airbox to the radiator bulkhead.

Step 6



Remove factory airbox

Step 7



Using a 13mm wrench, loosen and remove the upper passenger-side bolt on the radiator shroud and set aside for installation of heat shield. Verify that the engine is cool, then temporarily remove the overflow hose from the radiator filler neck for clearance.

Step 8



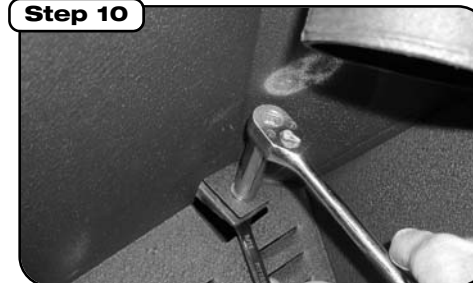
Install aFe intake tube and trim seal on the heat shield, be sure to install in the orientation shown. Install heat shield into engine compartment but do not attach any bolts. The bottom louvered panel must be positioned above the aluminum A/C line.

Step 9



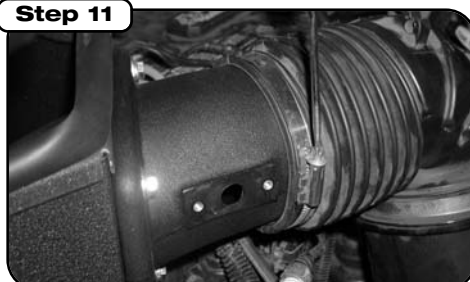
Using the bolt removed from the fan shroud earlier, secure the heat shield to the shroud using the tab extending from the heat shield, do not fully tighten.

Step 10



Using provided bolts, locking nuts and washers on both sides of the bolt, fasten lower tab on heat shield and slotted hole to the existing rubber mounts. Be careful not to over-tighten, it is only necessary that the rubber mounts be slightly compressed. Fully tighten shroud.

Step 11



Re-install the factory intake tube onto the intake tube installed into the heat shield and tighten. It may help to reach into the tube to help guide the boot on.

Step 12



Install intake temperature sensor that was removed from the airbox onto the aFe intake tube using provided hardware and gasket, then tighten. Orientation does not matter on the temperature sensor. Re-connect factory harness to the temperature sensor.

Step 13



Install pre-oiled filter onto intake tube and tighten. Do not use any oil or grease when attaching filter. Reattach radiator overflow hose that was removed in Step 7.

Step 14



Complete intake kit installed. Be sure to re-check connections and re-tighten after a few hours of operation.

Note: Filter Cleaning and Re-oiling: When cleaning your aFe filter, be sure to use only aFe's "Restore Kit" (aFe P/N: 90-50001 blue oil aerosol, or aFe P/N: 90-50501 blue squeeze bottle oil or aFe P/N: 90-50000 gold oil aerosol, or aFe P/N: 90-50500 gold squeeze oil). Filter Replacement: Magnum FLOW PN: 24-91032 (black w/blue media) or Pro-GUARD 7™ PN: 72-90028. Pro Dry S™ P/N 21-90028 (black w/ white media) Pro Dry S™ cleaning: see cleaning instruction sheet 06-00074