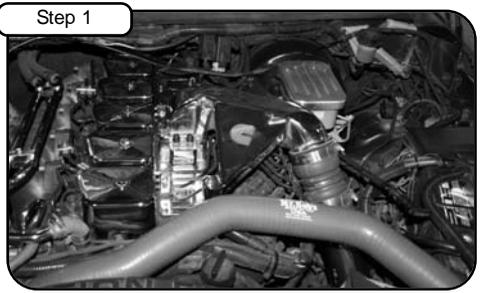




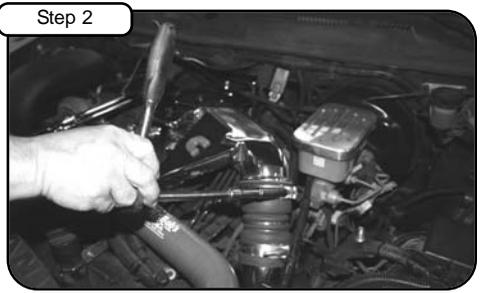
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# BladeRunner™ Charged Air Manifold Installation Instructions: 1994-1998 Dodge Ram Cummins L6-5.9L (td) 12-Valve

<b>Part Number:</b> 46-10051	<b>Tools Required:</b> 7/16" deep socket 10mm socket 6mm socket 5/16" allen key 3/16" allen key 6mm hexagonal bit (provided) Gasket remover (scraper) Torque wrench Ratchet w/ extension	<b>Parts list:</b> 1 Manifold, Charged Air 2 Screws, socket cap M8 x 1.25 x 160 2 Screws, socket cap M8 x 1.25 x 100 1 Screw, socket cap M8 x 1.25 x 16 1 Screw, hex flange head M8 x 1.25 x 25 2 Gaskets, manifold	4 Washers, flat M8 2 Plugs, 3/8" NPT 2 Plugs, 1/8" NPT 1 Tool 6mm, hexagonal bit 1 Threadlocker, blue
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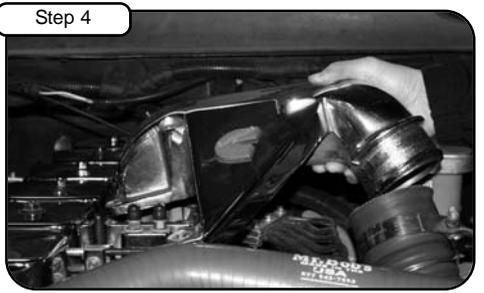
Step 1  
Stock Intake Manifold.



Step 2  
Use 7/16" deep socket with ratchet to loosen the intercooler coupler hose clamp. Remove the screw holding engine oil dipstick.



Step 3  
With 10mm socket and extension, remove the 5 screws holding the stock manifold.



Step 4  
Carefully remove stock manifold out of vehicle. ( Place a clean shop rag over air grid heater to prevent anything from entering )



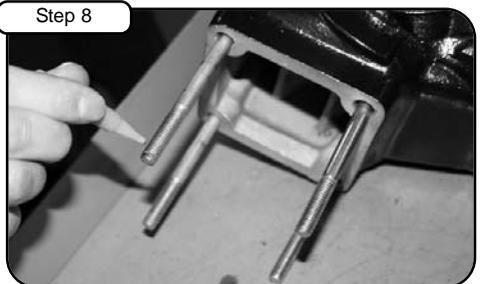
Step 5  
Apply threadlocker to 1/8" NPT plugs. Install to aFe manifold using 3/16" allen key.



Step 6  
Insert the 2 shorter M8 socket cap screws through aFe manifold. Hold washer against inside mounting flange of aFe manifold and feed screw completely through. Insert the two longer M8 screws w/ washers through the outside mounting bosses.



Step 7  
Remove both top and bottom stock gaskets away from air grid heater. Replace with new gaskets provided. (May require a scraper or scotch brite to clean sealing surfaces.)



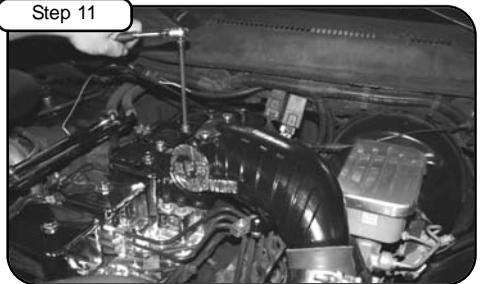
Step 8  
Apply threadlocker to the four mounting screws.



Step 9  
Carefully install aFe manifold into vehicle. Guide screws through gaskets and air grid heater.



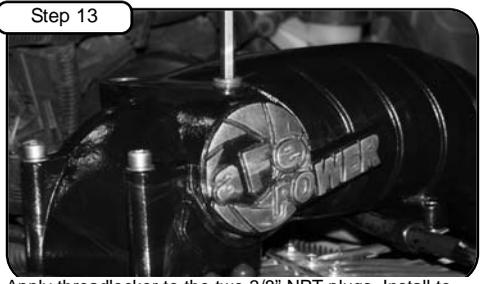
Step 10  
Insert aFe manifold into intercooler coupler hose.



Step 11  
With 6mm hexagonal bit provided and 6mm socket, install the four mounting bolts. Do not tighten completely! Use hex flange head screw provided and install on intake plate. Torque screw to 18 ft. lbs..



Step 12  
Torque coupler hose clamp with 7/16" deep socket to 71 in. lbs.. Torque the four mounting screws from Step 11 to 18 ft. lbs..



Step 13  
Apply threadlocker to the two 3/8" NPT plugs. Install to top of aFe manifold. Tighten using 5/16" allen key. Torque to 18 ft. lbs..



Step 14  
Re-install the engine oil dipstick with socket cap screw provided.



Step 15  
Your installation is now complete. Please check all screws periodically. Re-tighten if necessary. Thank you for choosing aFe! Place the included CARB EO sticker on or near the Charge Air Manifold on a smooth, clean surface. EO identification label is required to pass the Smog Check Inspection. 06-80306  
Last Updated 5-2009

Notes: 1) Use provided Threadlocker (P/N 03-50162) on all screws. 2) DO NOT over-tighten bolts. Please tighten to correct torque spec(s). advanced FLOW engineering™ is not responsible for improper install.