



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

Part Number:
46-10051

Make:
Dodge

Model:
Ram 2500/3500

Year:
1994-1998

Engine:
L6-5.9L (td) 12-Valve

Tools Required:

- 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

Parts list:

1 Manifold, Charged Air	4 Washers, flat M8
2 Screws, socket cap M8 x 1.25 x 160	2 Plugs, 3/8" NPT
2 Screws, socket cap M8 x 1.25 x 100	2 Plugs, 1/8" NPT
1 Screw, socket cap M8 x 1.25 x 16	1 Tool 6mm, hexagonal bit
1 Screw, hex flange head M8 x 1.25 x 25	1 Threadlocker, blue
2 Gaskets, manifold	



Complete Kit w/ Parts

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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)



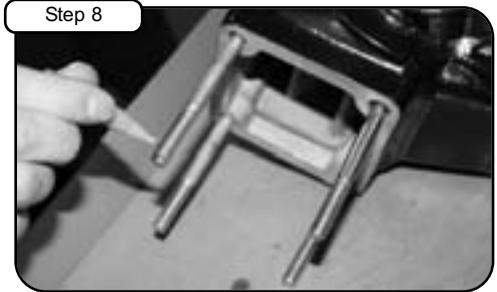
Step 5
Apply threadlocker to 1/8" NPT plugs. Install to aFe manifold using 3/16" allen key.



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.)



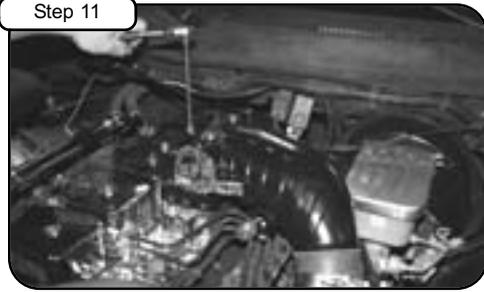
Step 8
Apply threadlocker to the four mounting screws.



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



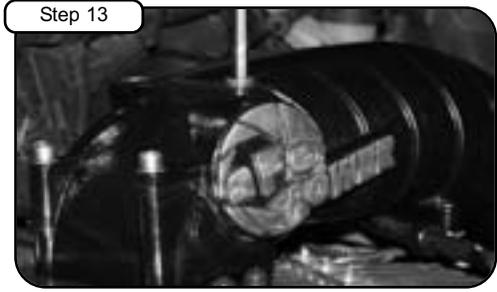
Step 10
Insert aFe manifold into intercooler coupler hose.



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..



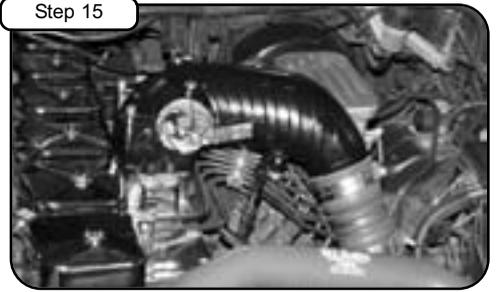
Step 12
Torque coupler hose clamp with 7/16" deep socket to 71 in. lbs.. Torque the four mounting screws from Step 11 to 18 ft. lbs..



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!

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. California vehicle code sections 27156 and 38391 prohibit the advertising, offering for sale, or installation of any device, which modifies a vehicle's emission control system unless exempted. Unless otherwise noted, aFePower have not received an exemption from these code sections and are not legal for sale or use in California on vehicles originally equipped with pollution-control devices. It is illegal, except for racing vehicles, which may never be driven upon a highway, to remove or otherwise render inoperative any emission control device on regulated motor vehicles. Check the aFe website to ensure proper application.