

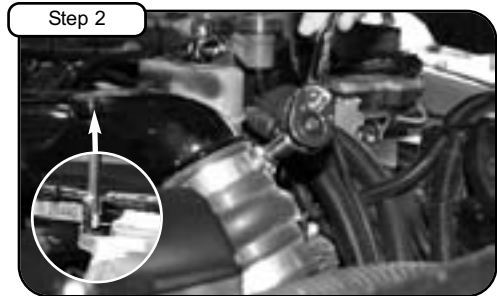


# BladeRunner® Charged Air Manifold Installation Instructions: 1998.5-2002 Dodge Ram Cummins L6-5.9L (td)

|                                 |   |  |   |
|---------------------------------|---|--|---|
| <b>Part Number:</b><br>46-10021 | <b>Tools Required:</b><br>11mm socket or wrench<br>10mm socket or wrench<br>8mm allen key<br>3/16" allen key<br>6mm hexagonal bit (provided)<br>Gasket remover (scraper)<br>Torque wrench<br>Ratchet w/ extension | <b>Parts list:</b><br>1 Manifold, Charged Air<br>2 Screw, socket cap M8 x 1.25 x 160<br>2 Screw, socket cap M8 x 1.25 x 100<br>2 Gasket, manifold<br>4 Washer, flat M8<br>2 Plug, 3/8" NPT<br>2 Plug, 1/8" NPT<br>1 Screw, socket cap M8 x 1.25 x 16 | 1 Tool 6mm, hexagonal bit<br>1 Threadlocker, blue |
|---------------------------------|---|--|---|



**Step 1**  
Stock Intake Manifold.



**Step 2**  
With a 11mm socket with ratchet, loosen the intercooler coupler hose clamp. Remove the engine oil dipstick screw with 10mm socket.



**Step 3**  
Pull back OE hump coupler and set aside.



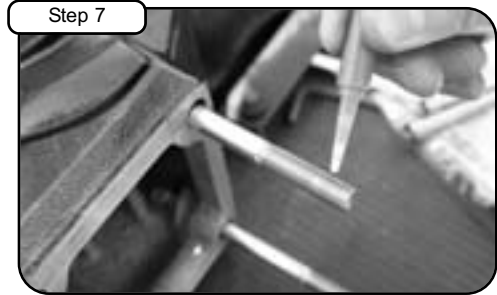
**Step 4**  
With 10mm socket and extension, remove the 4 screws holding the stock manifold.



**Step 5**  
Carefully remove stock manifold out of vehicle. ( Place a clean shop rag over air grid heater to prevent anything from entering )



**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**  
Install 1/8" NPT plugs to aFe manifold using 3/16" allen key. Apply threadlocker to the four mounting screws.



**Step 8**  
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 9**  
Carefully install aFe manifold into vehicle. Guide screws through gaskets and air grid heater.



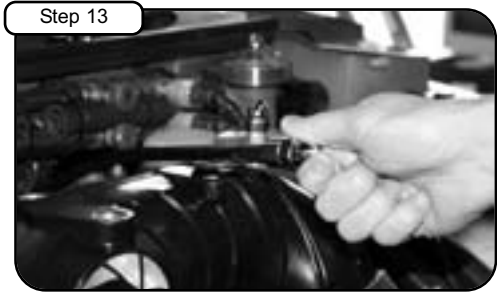
**Step 10**  
Insert aFe manifold into intercooler coupler hose.



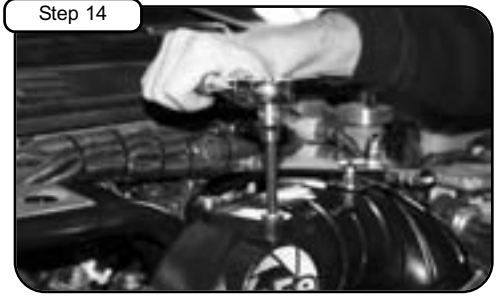
**Step 11**  
With 6mm hexagonal bit provided and 6mm socket, install the 4 mounting screws. Do not tighten completely!



**Step 12**  
Tighten coupler hose clamp with 11mm socket (See notes 2 & 4). Tighten the four mounting screws from Step 11 (See notes 2 & 5).



**Step 13**  
Install the engine oil dipstick using M8 socket cap screw provided. Tighten using 6mm allen key (See notes 1, 2 & 3). Attach the engine wire harness to the aFe manifold.



**Step 14**  
Install the two 3/8" NPT plugs to top of aFe manifold. Tighten using 8mm allen key (See notes 1, 2 & 5).



**Step 15**  
Your installation is now complete. Please check all screws periodically. Re-tighten if necessary. Thank you for choosing aFePower!

**Notes:** 1) Use provided Threadlocker (P/N 03-50162) on all screws. 2) DO NOT over-tighten screws. Please tighten to correct torque spec(s). 3) Apply 7 N-m (62 in. lbs.) torque. 4) Apply 8 N-m (71 in. lbs.) torque. 5) Apply 24 N-m (18 ft. lbs.) torque.

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