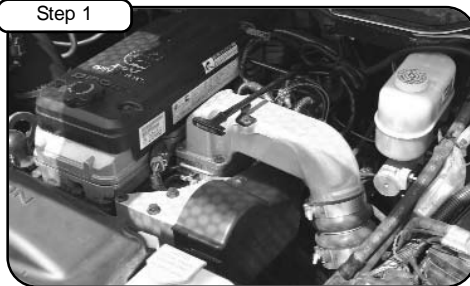




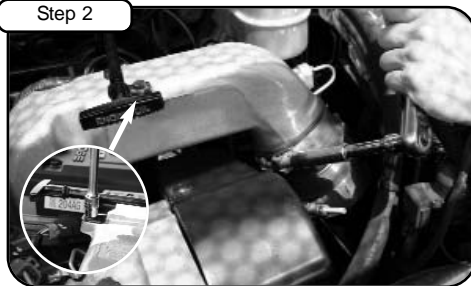
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Charge Air Manifold Installation Instructions: 2003-2007 Dodge Ram Cummins L6-5.9L (td) BladeRunner

Part Number: 46-10011	Tools Required: 11mm socket or wrench 10mm socket or wrench 8mm allen key 6mm allen key 5mm allen key gasket remover (scraper) Torque wrench Ratchet w/ extension	Parts list: 1 Manifold, charge air 2 Screws, socket cap M8 x 1.25 x 160 2 Screws, socket cap M8 x 1.25 x 100 3 Screws, socket cap M6 x 1 x 8 2 Gasket, manifold 4 Washer, flat M8 1 Washer, fender M6 2 Plug, hex 3/8" 2 Plug, hex 1/8"	1 Bracket, pem nut M8 1 Tool 6mm, hexagon rod 1 Threadlocker, Arontite
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Step 1
Stock Intake Manifold.



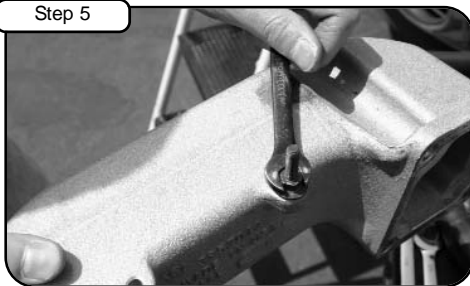
Step 2
With a 11mm socket with ratchet, loosen the OE inter-cooler clamp. With 10mm socket loosen the bolt holding in oil dipstick on OE manifold.



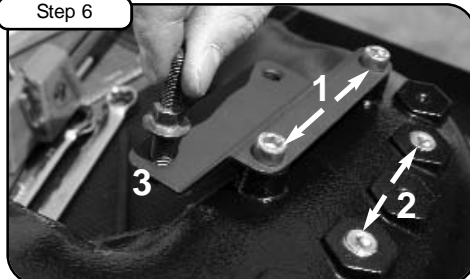
Step 3
With 10mm socket and extension, loosen the 4 bolts holding in OE manifold. (Warning: may require some force) Pull harness away in back of manifold.



Step 4
Carefully remove OE manifold out of vehicle. (Place a clean shop rag over manifold inlet to prevent anything from entering)



Step 5
With a 10mm wrench, remove the OE harness bolt on manifold. Place to the side for later install.



Step 6
1) Install bracket w/ M6 socket cap screws provided. Tighten using 6mm allen key. 2) Install 1/8" hex plug to manifold. (see bottom of install sheet for more info.) 3) Re-install bolt from step 5 to bracket.



Step 7
Install the 2 shorter M8 socket cap screws through aFe manifold, hold washer through bottom of manifold and place screw completely through. Install the 2 longer M8 screws w/ washers to the front of the manifold.



Step 8
Remove both top and bottom OE gaskets away from heater manifold spacer. Replace with New gaskets provided. (may require a scraper or scotch brite)



Step 9
Place threadlocker to all new manifold bolts.



Step 10
Carefully Re-install aFe manifold into vehicle. Guide bolts into heater spacer. Finger tighten bolts.



Step 11
With M8 allen key or allen key socket, tighten the 4 bolts. Do not tighten completely! (Move to step 12)



Step 12
Attach intercooler coupler back to aFe manifold. Tighten clamp w/ 11mm socket. Move back to step 11 and finish. (Do not over tighten!)



Step 13
Install the two 3/8" plugs to top of manifold. (Make sure both bolts are sealed with threadlocker). Tighten using 8mm allen key.



Step 14
Re-install dip stick to aFe manifold using provided M6 socket cap screw and washer provided. Tighten using 5mm allen key. Re-install harness back to aFe manifold.



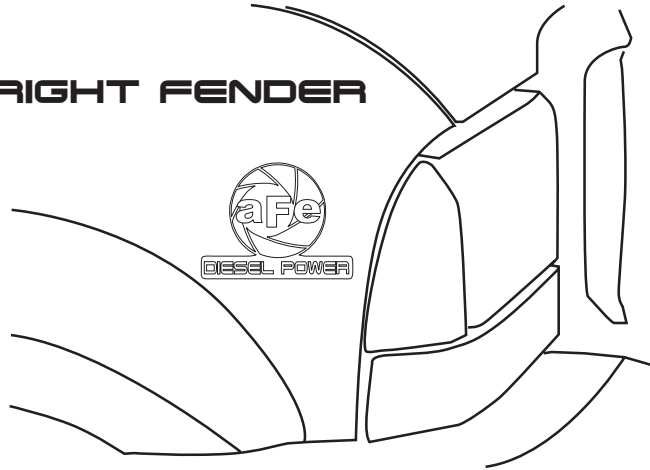
Step 15
Your installation is now complete. Please check all bolts and screws periodically. Re-tighten if necessary. Thank you for choosing aFe!

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

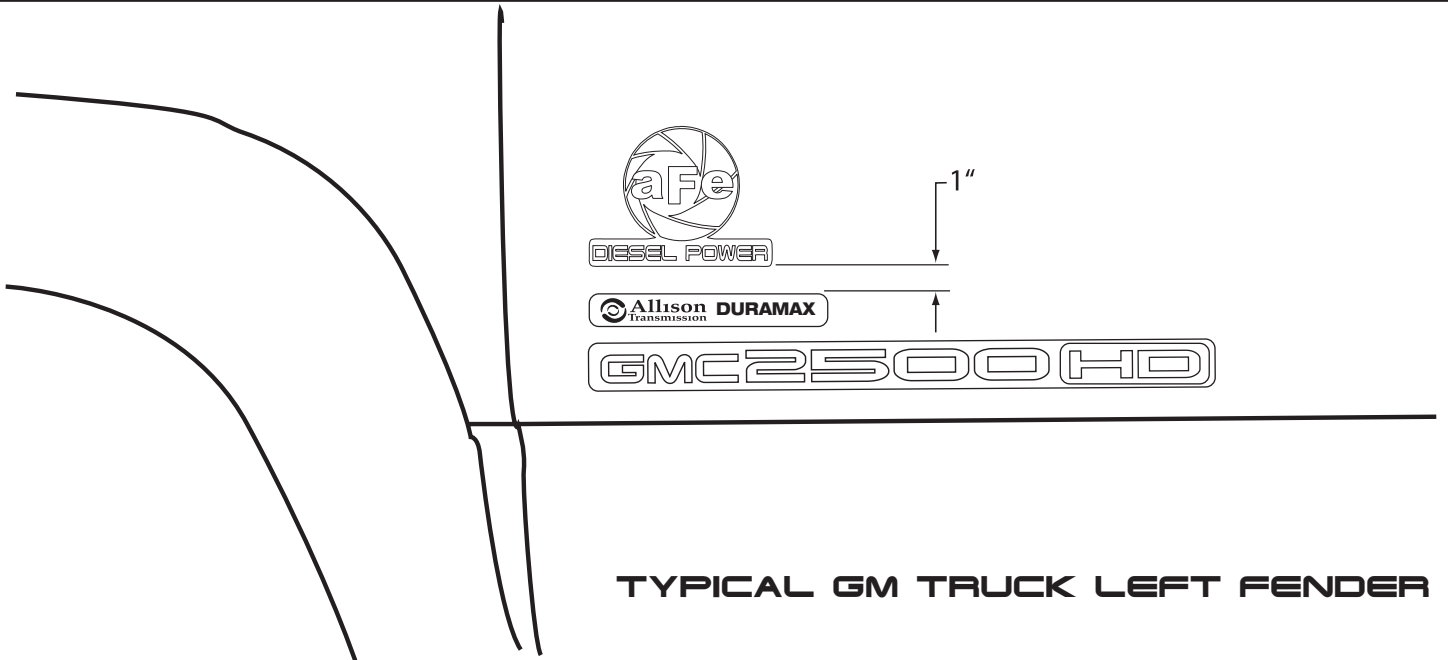
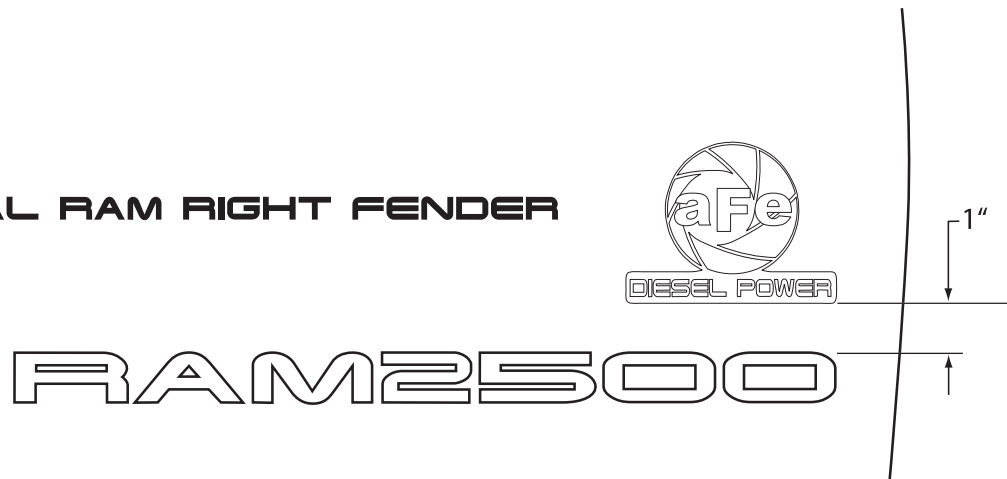
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Your system includes one "Diesel Power" logos designed to compliment your truck.
Use the diagrams below for positioning of the logo for a clean factory look.

TYPICAL FORD RIGHT FENDER



TYPICAL RAM RIGHT FENDER



TYPICAL GM TRUCK LEFT FENDER