

advanced FLOW engineering

Instruction Manual P/N: 46-11112

Make: **Dodge** Model: **RAM 2500/3500** Year: **98-02** Engine: **L6-5.9L (td)**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100 or e-mail at tech@afepower.com.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A	1	Manifold	05-60170
B	1	Gasket	05-60003
C	2	Screw: M8x1.25x160	03-50155
D	2	Screw: M8x1.25x80	03-50374
E	1	Tool, 6mm x 6" Hex Bit	03-50161
F	2	Plug: 3/8"NPT	03-50158
G	2	Plug: 1/8"NPT	03-50029
H	1	Washer, Fender: M6	03-50160
I	1	Screw: M6x1x8mm	03-50317
J	1	Threadlocker	03-50162
K	3	Clamp, Spring: 3.75"Dia	05-60024
L	1	Coupling, Elbow	05-60422
M	1	I/C Tube	05-60426B
N	1	Coupling, Reducer	05-60421
O	1	Spring loaded T-Bolt Clamp	05-60013
P	4	Washer, Flat 5/16 AN	03-50228

Installation will require the following tools:

5/16 Allen Wrench, 7/16 Socket/Wrench, 5mm Allen Wrench, 6mm Allen Wrench and 6mm Socket/Wrench

Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.





Figure A

Refer to Figure A for steps 1-3

Step 1: Remove dipstick from the intake manifold.

Step 2: Loosen the hump hose clamps.

Step 3: Loosen four bolts on intake manifold and remove intake manifold from vehicle.

REMOVAL

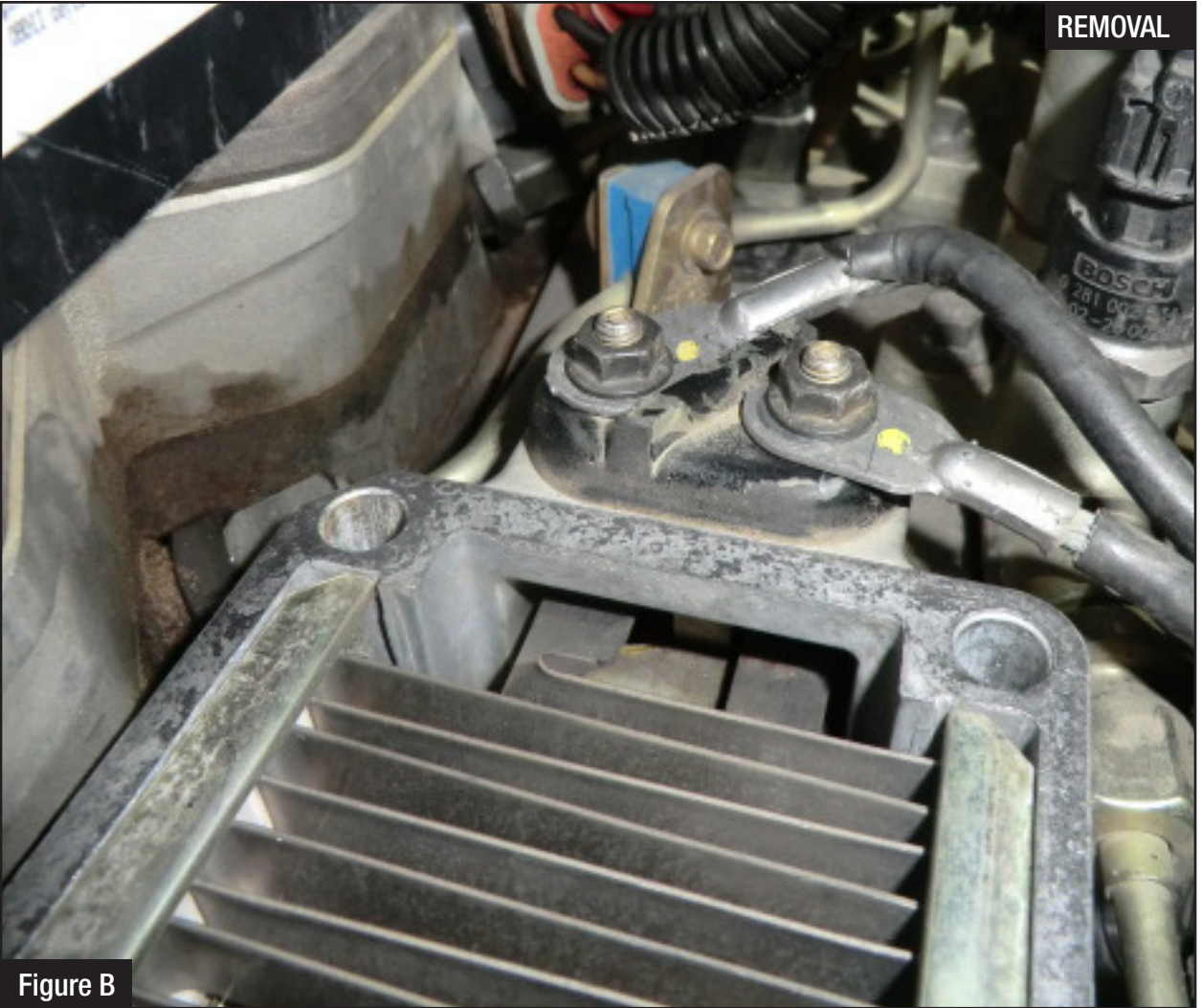


Figure B

Refer to Figure B for steps 4-5

Step 4: Remove the (2) 10mm nuts from the intake heater.

Step 5: Remove the intake heater.

**Figure C****Refer to Figure C for steps 6-7**

Step 6: Follow the (2) battery cables from the intake heater to the (2) relays under the battery on the driver side. Remove the wires from the relays.

Step 7: Remove the wires from the vehicle.



Figure D

Refer to Figure D for step 8-9

Step 8: Remove the clamps on the hose at the intercooler.

Step 9: Remove the boost tube from the vehicle.



Figure E

Refer to Figure E for step 10

Step 10: Install the aFe boost tube in the vehicle. Insert the hose at the intercooler and leave loose at this time.



Figure F

Refer to Figure F for step 11-14

Step 11: Clean and prepare the aFe intake manifold mating surfaces.

Step 12: Install all 1/8" plugs in intake manifold.

Step 13: Install the aFe 3-1/2" hose and supplied clamps.

Step 14: Install the supplied M8x1.25x80mm bolts and washers. The bolts go in the manifold through the top. Install the washer through the bottom and slide the bolt through the washer.



Figure G

Refer to Figure G for steps 15-17

Step 15: Install the aFe intake manifold. Place the intake manifold gasket on the intake. Start the (2) bolts installed in step 15. Then install the M8x1.25x160mm bolts. Tighten the intake manifold, torque to 18ft. lbs. Tighten the clamps at both the intercooler and the intake manifold, torque to 18ft. lbs.

Step 16: Install the 2-3/8" NPT plugs to the top of the aFe intake manifold, torque to 18ft. lbs. Attach the dipstick tube using the M6x1x8mm and M6 fender washer.

Step 17: Your installation is now complete. Please check all bolts and screws periodically, retighten if necessary.

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F3 Torque Converter



P/N: 43-12011

Intercooler



P/N: 46-20062

Intercooler



P/N: 46-20064-B

Turbocharger



P/N: 46-60060

aFe Power Backpack



P/N: 40-33203

aFe Power Hat



P/N: 40-10114 (S/M)
P/N: 40-10115 (L/XL)

aFe Power Ladies Hat



P/N: 40-10112

aFe Power Diesel T-Shirt

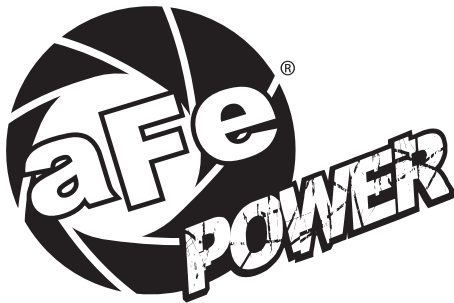


P/N: 40-30222-G (L)
P/N: 40-30223-G (XL)
P/N: 40-30223-G (2XL)
P/N: 40-30223-G (3XL)

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video; please go to aFepower.com.

Warranty

aFe warrants their intake systems to be free of defects from workmanship and materials for a period of two (2) years, provided the intake system was: A) installed in an aFe recommended application according to aFe installation instructions; and B) the air filter has been properly cleaned utilizing an aFe cleaning solution and oil (not applicable on Pro DRY S filters). Damage from abuse, improper cleaning, improper oil and improper installation or from open flame is not covered by this limited warranty. In the event of a defect of an aFe product within the period covered by this limited warranty, the purchaser can return the product to the dealer where it was purchased or send the product to aFe at the address listed on the back after obtaining a Return Good Authorization (RGA) number from aFe. The original register receipt will be required as proof of purchase. Purchaser will be entitled to a refund of the entire purchase price or a replacement of the product at aFe's discretion. Purchaser shall be responsible for the cost of shipping the defective product to aFe. An RGA number can be obtained by calling aFe customer service. Products shipped without an RGA number will be refused. A refund or replacement of the product shall be the sole remedy available under this limited warranty and aFe shall not be responsible for consequential or incidental damages. (Some states do not allow this exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply). This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.



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