

advanced FLOW engineering

Cold Air Intake System

Instruction Manual P/N: 54-12402 / 51-12402

Make: Dodge **Model:** Ram 1500

Year: 2009-2010 **Engine:** V8-5.7L HEMI

Make: RAM **Model:** 1500

Year: 2011-2018 **Engine:** V8-5.7L HEMI

Make: RAM **Model:** 1500 Classic

Year: 2019-2023 **Engine:** V8-5.7L HEMI



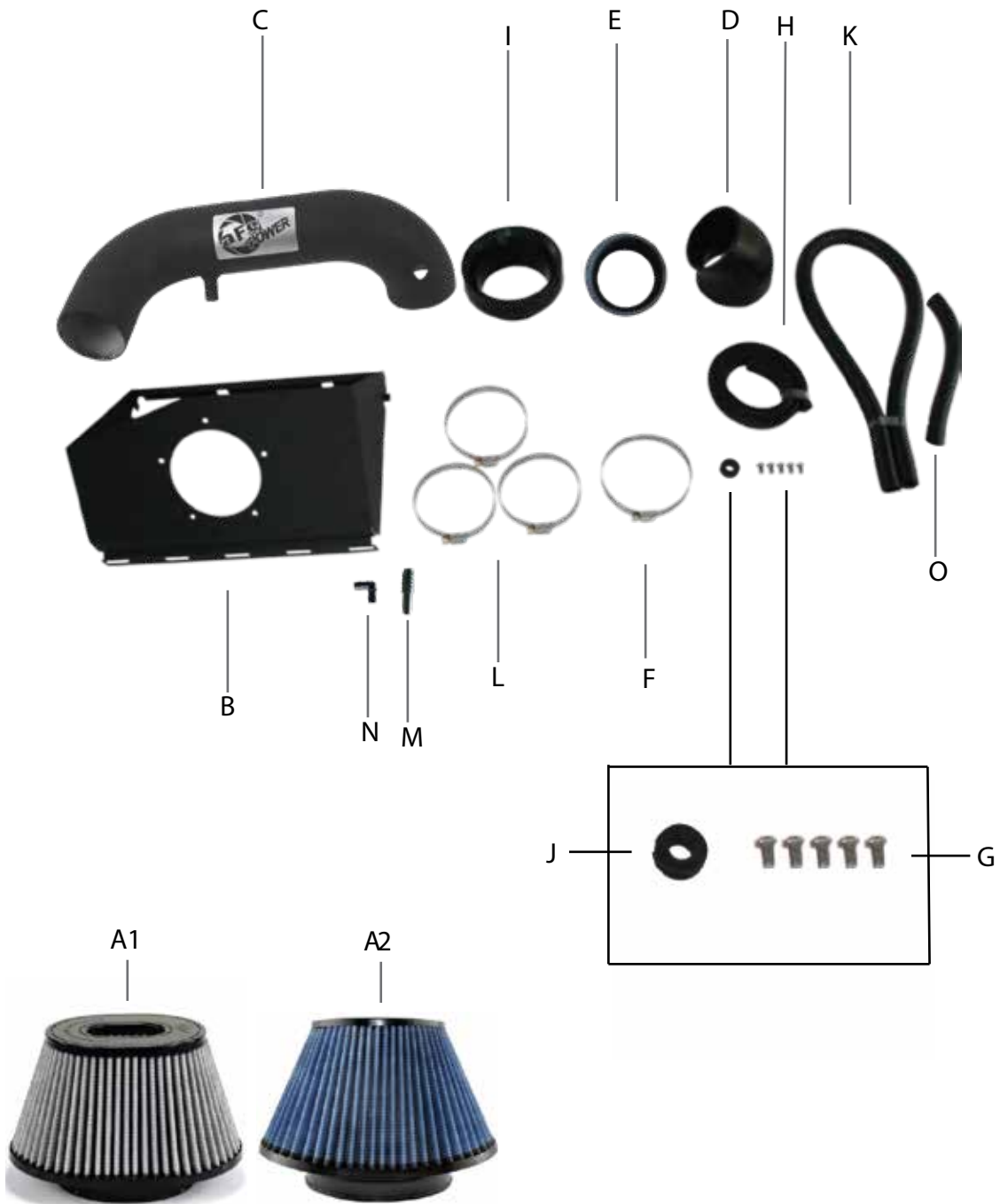
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A	1	Pro Dry S Air Filter	21-91040 (Gray Media)
A2	1	Pro 5R Air Filter	24-91040 (Blue Media)
B	1	Heat Shield	05-01046
C	1	Tube	05-12402B1
D	1	Coupling, Elbow Silicone	05-01353
E	1	Coupling, 3.5 x 2	05-01280
F	1	Clamp, #64	03-50006
G	5	Screw. Button Head	03-50113
H	1	Seal Trim, (29.25")	05-00072
I	1	Adaptor	05-00611
J	1	Grommet	03-50050
K	1	Hose (21")	05-00069
L	3	Clamp #56	05-50009
M	1	Fitting 3/4 x 5/8	03-50147
N	1	Elbow, 5/8	03-50165
O	1	Hose (4.5")	05-00069

Installation will require the following tools:

Flat head screw driver, Phillips screw driver, 8mm socket, 10mm socket, Ratchet & 5/16 nut driver.

Warranty Information available at: <https://afepower.com/contact#warranty>





Refer to Figure A

Step 1: Remove the 4 clips holding the top portion of the air box together. ①



FigureB

Refer to Figure B

Step 2: Disconnect the Temperature Sensor harness from factory intake. ②



Refer to Figure C

Step 3: Loosen the clamp holding the intake tube to the vehicle. ③

Step 4: Disconnect the crank case line from the air box. ④

Unclip temperature sensor fastener wire for extra slack. ⑤

Step 5: Pull the top of the intake system out of the vehicle with the intake tube.

Step 6: Pull the engine cover off by lifting it straight up. ⑥

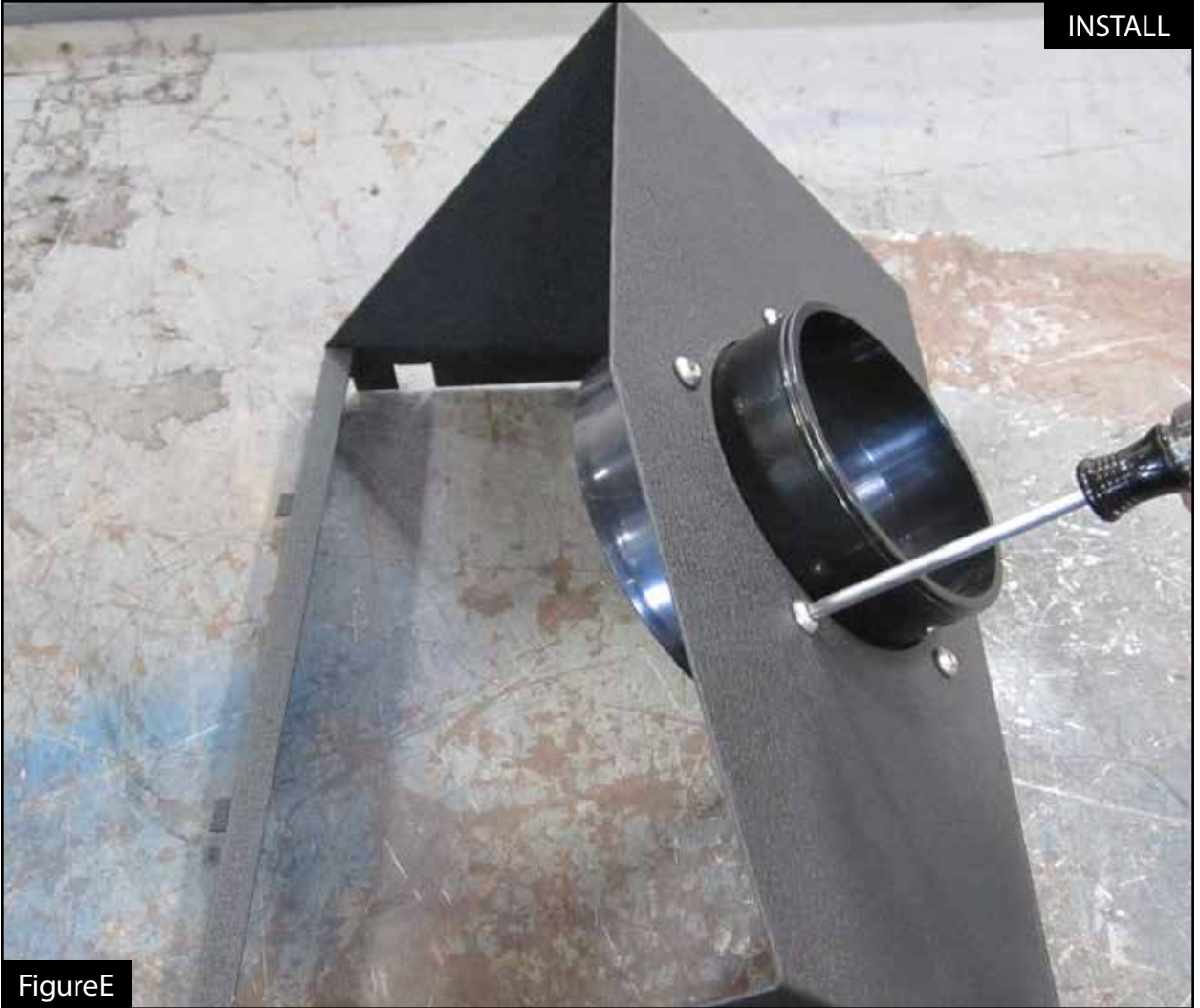


FigureD

Refer to Figure D

Step 7: Remove the OE crank case vent line from where it meets the engine.

Disconnect the OE elbow (7) from the rest of the OE line, and reassemble using the supplied aFe fitting and hose in the configuration shown above.



FigureE

Refer to Figure E

Step 8: Using the hardware supplied, mount the adaptor to the heat shield using 5 button head screws.



FigureF

Refer to Figure F

Step 9: Mount your aFe air filter to the adaptor installed in step 8 with the clamp provided

Step 10: Now install the seal trim around the edge of the heat shield.



FigureG

Refer to Figure G

Step 11: Place the new heat shield and filter onto the lower half of the factory air box.

Step 12: Use the factory clips to secure the heat shield down onto the air box.



Figure H

Refer to Figure H

Step 14: Install the new grommet into your aFe intake tube. (8)

Step 15: Carefully pull the temperature sensor (9) out of the factory intake tube. Remove the O-Ring and insert it into the grommet (8) on your aFe intake tube.



Figure 1

Refer to Figure 1

Step 16: Install the intake tube filter end FIRST, then throttle body end.

Step 17: Connect the crank case line that you installed in the step 7 to the intake tube. ⑩

Step 18: Connect the temperature sensor harness. ⑪

Step 19: Your installation is now complete, check all connections to insure a proper seal.

NOTE: Place enclosed CARB EO sticker on or near the device on a smooth, clean surface.

EO identification label is required to pass the smog test inspection.

* Verify all connections are secure 100-200 miles after installation

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