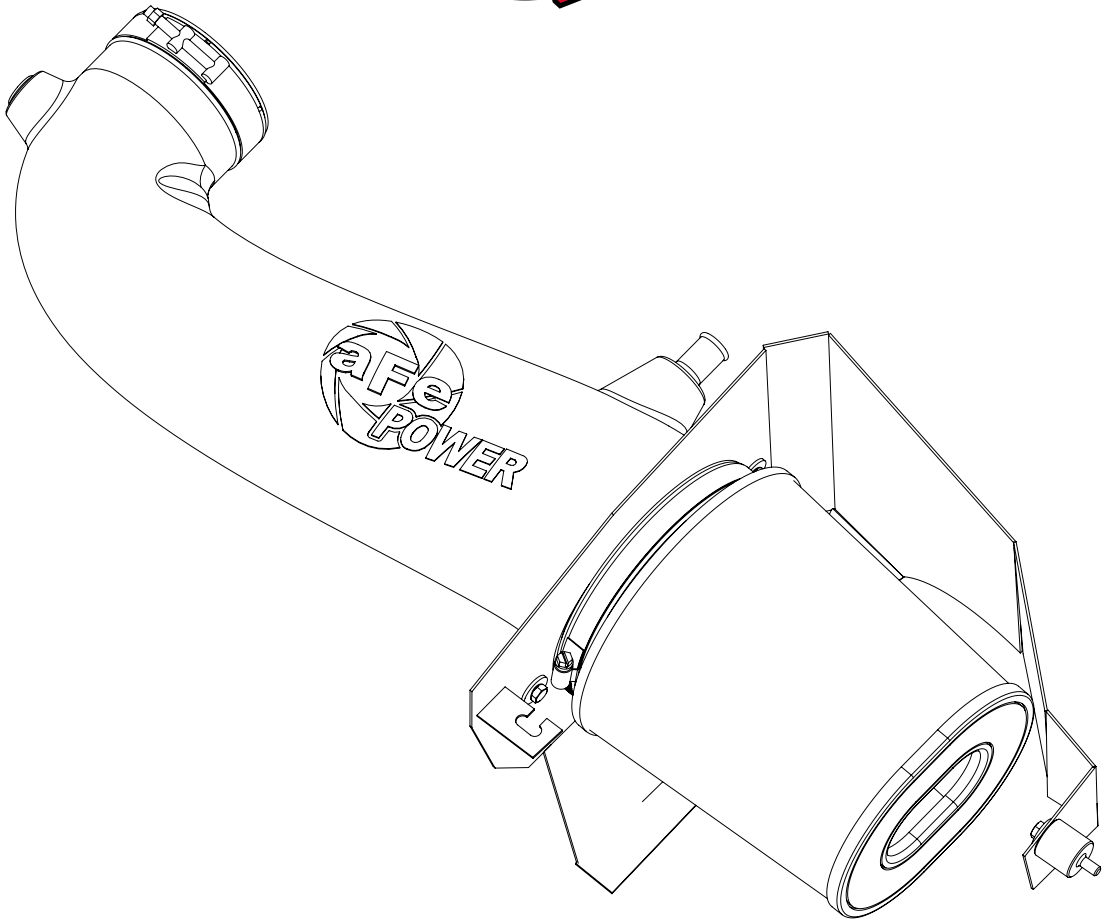




advanced FLOW engineering

Cold Air Intake System

Instruction Manual P/N: 54-12162 / 51-12162

Make: Dodge/Chrysler **Model:** Challenger/Charger/300 **Year:** 11-23 **Engine:** V8-5.7L HEMI



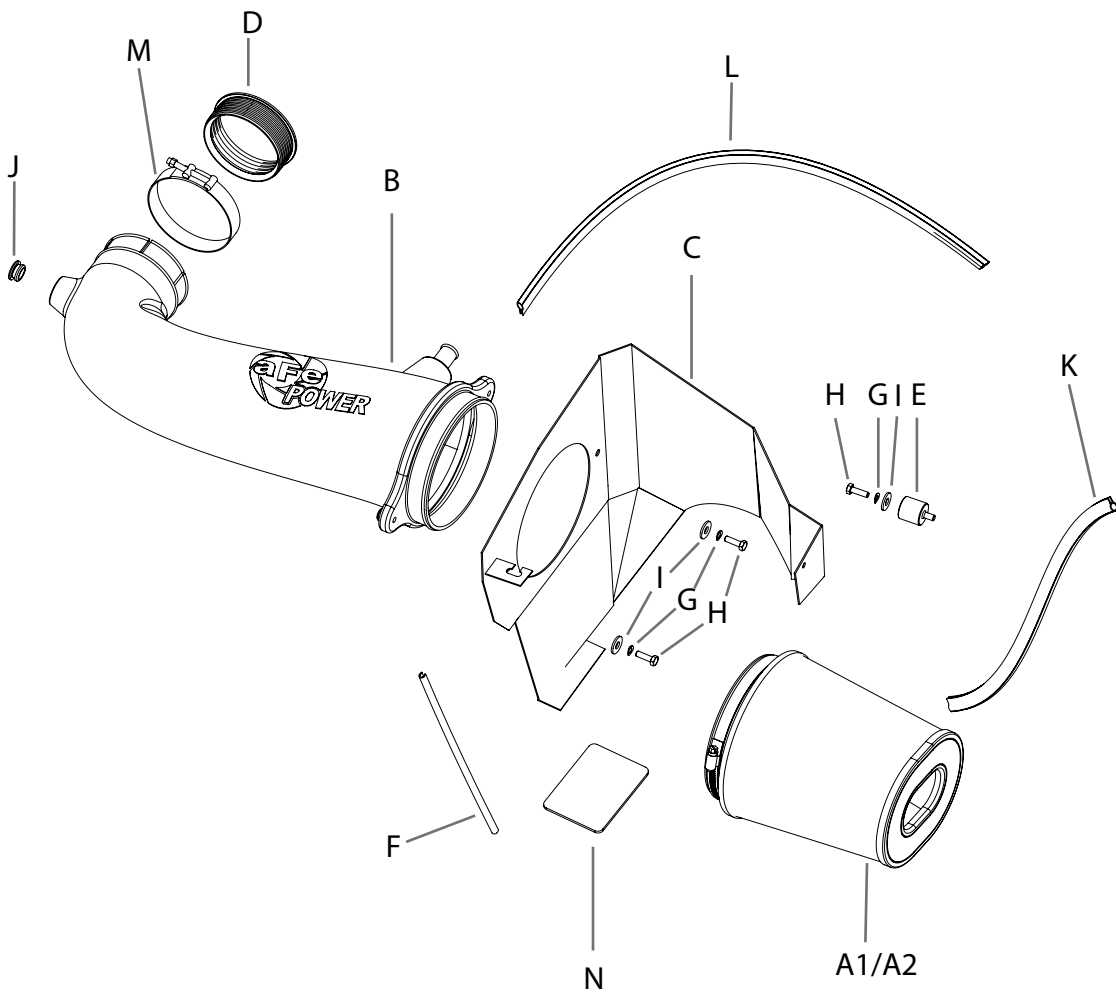
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine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

Label	Qty.	Description	Part Number
A1	1	Pro 5R (Blue Media)	24-91053 (Blue Media) 54-12162
A2	1	Pro DRY S (White Media)	21-91053 (Grey Media) 51-12162
B	1	Tube	05-12162B1
C	1	Housing	05-12172B2
D	1	Silicone Coupling	05-01193
E	1	Isolation Mount M6	03-50206
F	1	Trim Seal (12.5 Inches)	05-00149
G	3	Lock Washer M6	03-50071
H	3	Screw Hex M6	03-50052
I	3	Flat Washer M6	03-50070
J	1	Grommet	03-50033
K	1	Seal Trim (16.5 Inches)	05-00072
L	1	Seal Trim (25 Inches)	05-00072
M	1	T-bolt Clamp	03-50265
N	1	Isolation Pad	03-50196

Installation will require the following tools:

8mm Nut Driver (Or Flat Head Screw Driver) 10mm Socket, 10mm Wrench

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





FigureA

Refer to Figure A for step 1-5

Step 1: Remove the engine cover ① and disconnect the crank case hose ②

Step 2: Remove the 8mm bolt off the OE air box ③.

Step 3: Loosen the clamp off the OE intake tube ④.

Step 4: Unplug the temp sensor ⑤.

Step 5: Remove the OE airbox out of the vehicle.



FigureB

Refer to Figure B for steps 6-7

Step 6: Remove the 10mm bolt from the fender side ⑥.

Step 7: Install the furnished isolation mount into the hole from step 6.



Refer to Figure C for steps 8-11

Step 8: Remove the OE grommet and metal insert from the OE housing (7).

Step 9: Install the OE grommet and metal insert onto the aFe housing (8).

Step 10: Install the furnished seal trim onto the outer edge of the aFe housing (9) and isolation pad.

Step 11: Install the aFe housing into the vehicle.



Refer to Figure D for steps 12-15

Step 12: Install the furnished silicone coupling onto the throttle body (10).

Step 13: Install the furnished grommet onto the aFe intake tube and place the T-bolt clamp onto the throttle body side of the aFe intake tube.

Step 14: Remove temp sensor from the OE intake tube and install it into the aFe tube (11) with provided grommet installed in step 13.

Step 15: Install the aFe intake tube into the vehicle (12) and secure it to the housing using the furnished hardware.



FigureE

Refer to Figure E for steps 16-19

Step 16: Install the OE crank case hose onto the aFe intake tube ⑬ and reconnect the temp sensor
[Note: The crank case hole in the tube is 1/8"].

Step 17: Install the air filter onto the aFe intake tube with the furnished clamp.

Step 18: Tighten all connections and reinstall the engine cover removed in step 4.

Step 19. Your installation is now complete!

NOTE: Retighten all connections after approximately 100-200 miles.

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

EO identification label is required to pass the smog inspection.

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