



## advanced FLOW engineering

Cold Air Intake System

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

---

Make: Dodge	Model: Challenger	Year: 2011-2021	Engine: V8-5.7L HEMI
Make: Dodge	Model: Charger	Year: 2011-2021	Engine: V8-5.7L HEMI
Make: Chrysler	Model: 300C	Year: 2011-2021	Engine: V8-5.7L HEMI

**NOTE:** Excluding Challenger 2020 LEV 3 LEV160 Engine Test Group LCRXV05.75P4  
Excluding Challenger/Charger/300 2020 LEV 3 OPTION 2 WITH FEL Engine Test Group LCRXV05.75P5  
Excluding Charger 2020 LEV 3 OPTION 2 WITH FEL Engine Test Group LCRXV05.75P3



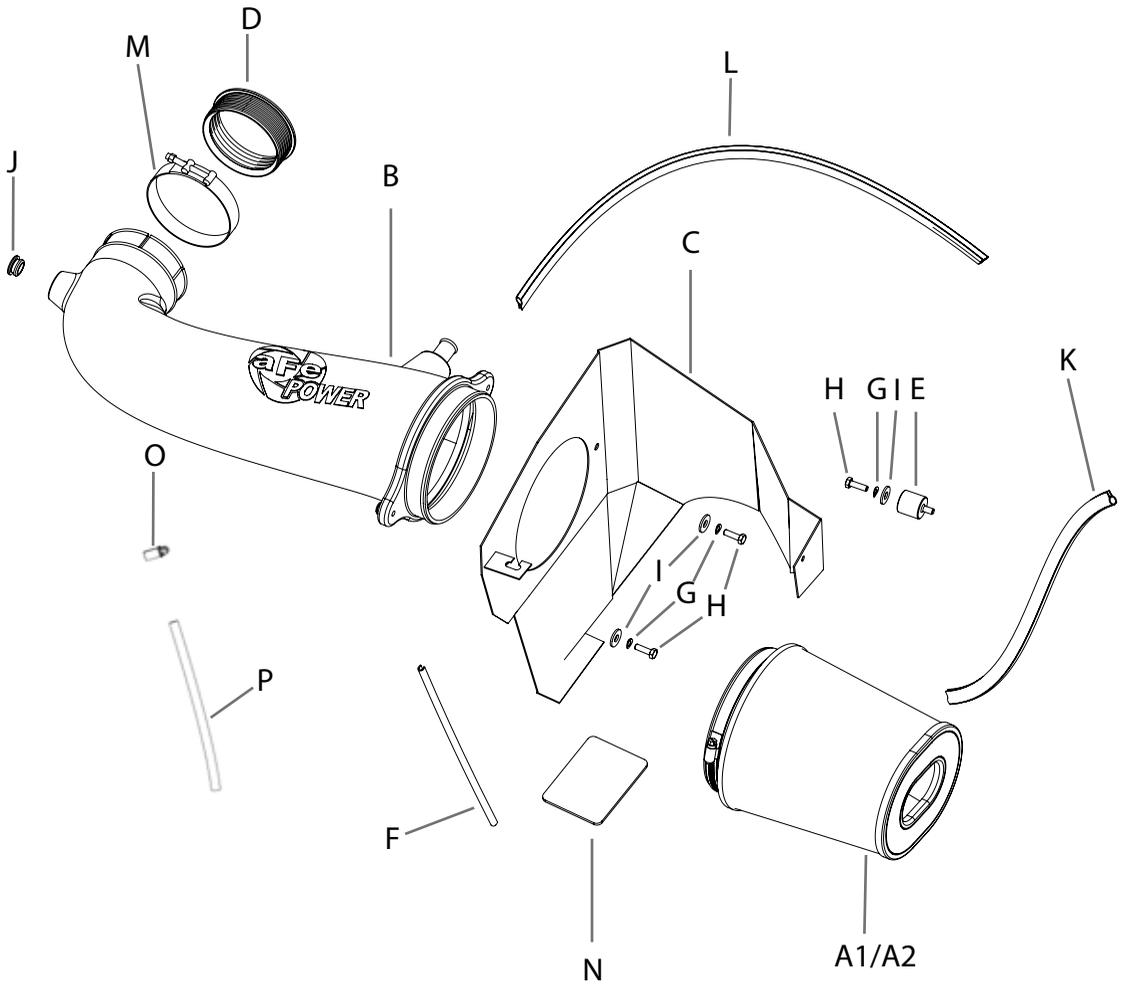
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine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

Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro 5R)	24-91053
A2	1	Air Filter (Pro DRY S)	21-91053
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
O	1	Mini Clamp #10	03-50078
P	1	Silicone Hose (10.5 Inches)	05-01502

Installation will require the following tools:

8mm Nut Driver (Or Flat Head Screw Driver) 10mm Socket, 10mm Wrench, 11mm Socket.

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





Refer to Figure A for steps 1-5

Step 1: Remove the engine cover, (1) for 2011 to 2019 models disconnect the crank case hose from the intake tube (2), for 2020+ models remove the crank case hose (2) from the vehicle completely.

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.



Figure D

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: For 2011-2019 models connect the factory crank case hose to the aFe POWER tube (13) for 2020+ models connect the provided hose to the aFe Power tube and secure it on the engine side using the provided clamp. Reconnect the temp sensor.

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.

Page left blank intentionally



Page left blank intentionally

Page left blank intentionally



**advanced FLOW engineering, inc.**  
252 Granite Street Corona, CA 92879  
<https://afepower.com/contact>