

advanced FLOW engineering

Magnum FORCE Stage-2 Cold Air Intake System

Instruction Manual P/N: 51-12242 / 54-12242 / 75-12242

Make: Jeep

Model: Grand Cherokee

Year: 2011-2019

Engine: V8-5.7L HEMI

Make: Dodge

Model: Durango

Year: 2011-2019

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, contact customer support at <https://afepower.com/contact#warranty>.
- 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 DRY S	21-90045
A2	1	Air Filter Pro 5R	24-91031
B	1	Tube	05-12242B1
C	1	Housing	05-12122B3
D	1	Adaptor	05-00611
E	1	Straight Coupler	05-00441
F	1	Reducer Coupling	05-00834
G	3	Clamp #64	03-50006
H	1	Clamp #72	03-50010
I	1	Grommet	03-50050
J	1	Seal Trim (25 Inches)	05-00072
K	5	Screw, Button Head	03-50102

Tools Needed:

8mm Nut Driver, 4mm allen hex key

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





Refer to Figure A for Step 1

Step 1: Remove the engine cover by lifting it firmly off the engine. ①



Refer to Figure B for Steps 2-4

Step 2: Disconnect the temp sensor harness from the OE intake. ②

Step 3: Loosen the throttle body clamp on the OE intake from the engine using an 8mm nut driver.

Step 4: Disconnect the engine vent hose from the OE housing. ③



FigureC

Refer to Figure C for Steps 5-9

Step 5: Carefully loosen the rubber seal trim over the OE air inlet scoop.

Step 6: Remove the OE intake tube. Remove the filter housing.

Step 7: Remove the temp sensor from the OE intake by turning the sensor counter clockwise.

(Be sure not to damage the sensor).

Step 8: Place the provided grommet on the aFe intake tube.

Step 9: Transfer the temperature sensor from the factory intake tube to the aFe POWER intake tube.

Remove the factory O-ring from the temperature sensor and slide the sensor into the grommet.

The grommet now provides air seal to the intake tube. Position the temperature sensor as shown in Figure "C".

NOTE: Safely store the factory O-ring in case the factory intake is reinstalled.



FigureD

Refer to Figure D for Steps 10-14

Step 10: Pre-assemble the aFe housing. Remove the grommets located in the lower portion of the OE air box and place on the aFe housing. Transfer the OE air inlet scoop to the new aFe housing.

Step 11: Install the injection molded filter adaptor to the aFe housing. use the M6 screws, then tighten down with a 4mm allen hex key. (4)

Step 12: Pre-assemble the straight coupler and secure by using the clamps provided. DO NOT TIGHTEN

Step 13: Install the aFe air filter to the adaptor using an 8mm nut driver

Step 14: Install trim seal around the top edges of the aFe housing.



FigureE

Refer to Figure E for Steps 15-19

Step 15: Loosely place clamps on the reducer coupling and place coupling on the throttle body. DO NOT TIGHTEN DOWN.

Step 16: Install the aFe intake tube. Adjust the couplings for the best fitment. Be sure the tube aligns perfectly with the throttle body.

Step 17: Tighten down all clamps using an 8mm nut driver.

Step 18: Re-connect the temp sensor. ⑤

Step 19: Re-connect the vent hose to the aFe intake tube. ⑥



Refer to Figure F for Steps 20-21

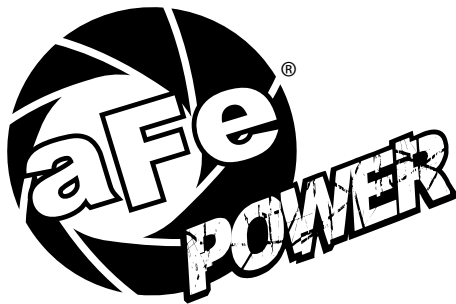
Step 20: Reinstall engine cover. Thank you for choosing aFe Power! Your installation is now complete.

NOTE: Retighten all connections after approximately 100-200 miles.
Place the included CARB EO sticker on or near the device on a smooth, clean surface.
EO identification label is required to pass the Smog Check Inspection.



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