

advanced FLOW engineering
Magnum FORCE Stage-2 Cold Air Intake System
Instruction Manual P/N: 54-12462 / 51-12462

Make: Jeep Model: Cherokee Year: 2014-2018 Engine: V6-3.2L



- 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 DRY S)	21-45507 (51-12462)
A2	1	Air Filter (Pro-5R)	24-45507 (54-12462)
B	1	Housing	05-12462B2
C	1	Intake Tube	05-12462B1
D	2	Hump Coupling	05-00564
E	1	Adaptor	05-01037
F	4	Clamp #52	05-50008
G	3	Spacers	03-50289
H	3	Button Head Screw	03-50102
I	1	Grommet	03-50050
J	1	Fuel Hose 5/8" I/D (13.5")	05-00069
K	1	Trim Seal (21")	05-00072

Tools needed: 8mm nut driver.

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



A1



A2



B



C

D

E



F



G

H

I



J

K

**Figure A**

Refer to Figure A for Steps 1-8

- Step 1. Remove the engine cover by lifting firmly up
- Step 2. Remove the temperature sensor by unclipping the harness ①.
- Step 3. Loosen the throttle body clamp ②.
- Step 4. Loosen the Plenum clamp to the stock intake ③.
- Step 5. Remove Reservoir clip and Vacuum lines clips from the stock intake ④.
- Step 6. Remove the stock housing mount screws. (Save screws it will be re-used with the aFe housing) ⑤.
- Step 7. Disconnect the stock vent hose from the housing and from the engine ⑥.
- Step 8. Remove stock intake from lower portion of housing and plenum ⑦.



FigureB

Refer to Figure B for Steps 9-10

Step 9. Remove stock air filter.

Step 10. Lubricate the rubber mounts for easier removal. Remove stock plenum by carefully lifting the back end up to disengage the rear mount, then carefully pull the plenum to the rear and towards the side. Be careful not to break the front mount (8).



Refer to Figure C for Steps 11-13

Step 11. Remove Temp sensor from stock intake.

Step 12. Install Grommet in the aFe Intake tube.

Step 13. Insert the Temp sensor that was removed from stock intake tube into the aFe intake tube.



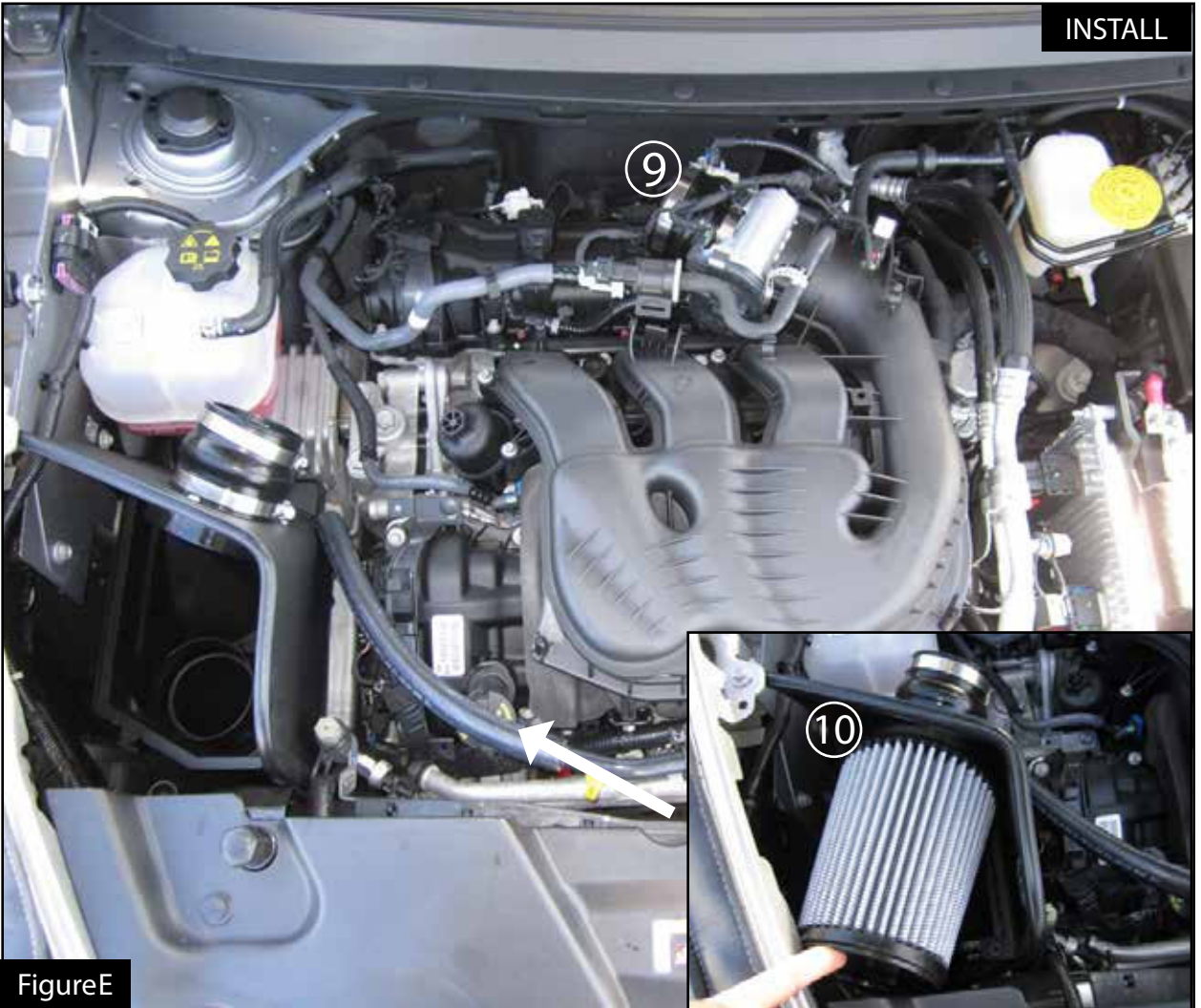
FigureD

Refer to Figure D for Steps 14-16

Step 14. Assemble the aFe housing. Install the trim seal on the top portion of the housing.

Step 15. Install the aFe Adaptor with the 3 screws that are provided.

Step 16. Install coupler onto the adaptor and place clamps onto coupler.



FigureE

Refer to Figure E for Steps 17-19

Step 17. Install the aFe housing using the 3 factory screws removed in step 6 with the provided 3/8 spacers.

Step 18. Install the coupler onto the throttle body with provided clamps (9).

Step 19. Install the aFe filter onto the adaptor (10).



Figure F

Refer to Figure F for Steps 20-23

Step 20. Install aFe intake tube onto the filter side, then onto the throttle body coupler.

Step 21. Remove the vent hose and quick connector and install the new vent hose as shown (11).

Step 22. Re-connect Temp Sensor (12).

Step 23. Tighten all Clamps. (Make sure to not over tighten clamps).



FigureE

Refer to Figure E for Step 15

Step 23. Re-Install Engine Cover.

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 inspection.

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