



advanced FLOW engineering Stage-2 Air Intake

Instruction Manual P/N: 51-12602 & 54-12602

Make: **Jeep** Model: **Commander** Year: **2006-2009** Engine: **V8-4.7L**

Make: **Jeep** Model: **Grand Cherokee** Year: **2005-2009** Engine: **V8-4.7L**



- 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 DRY S Air Filter	21-40011 (Gray Media)
A2	1	Pro Pro 5R Air Filter	24-40011 (Blue Media)
B	1	Housing	05-00722
C	1	Tube	05-12602B1
D	1	Coupler hump, 3.5x3"	05-00565
E	1	Coupler reducer, 3.25x3"	05-00636
F	3	Clamps, #056	03-50009
G	1	Clamps, #048	03-50007
H	2	Clamps, mini #10	03-50078
I	1	Grommet	03-50033
J	2	Screw, 1/4-20x1"	03-50122
K	2	Nut, 1/4-20	03-50073
L	4	Washer, flat	03-50070
M	4	Screw, M6	03-50113
N	1	Tube	05-00748
O	1	Cover	05-00722
P	1	Hose 5/8", 18" long	05-00069

Installation will require the following tools:

Flat head screw driver, Phillips screw driver, 8mm socket, 10mm socket, Ratchet & 5/16 nut driver, & 4mm hex key





Figure A

Refer to Figure A

Step 1: Remove Engine Cover.

Step 2: Disconnect the Temp Sensor from OE intake tube ①.

Step 3: Disconnect the Engine vacuum line connected to the OE intake housing ②.

Step 4: Loosen the throttle body clamp ③ and OE intake tube from plenum.

Step 5: Loosen top portion of the OE intake by unclipping the tabs from the housing ④.

**Refer to Figure B**

Step 6: Remove OE intake. (Throttle body side first followed by lifting the top portion of the OE intake.

Step 7: Remove the OE Filter from the lower portion of the housing (5).

Step 8: Remove Vacuum line connected to the engine valve cover (6).

Step 9: Remove the temp sensor from the OE intake tube and save for later use.

**Figure C****Refer to Figure C**

Step 10: Remove the vacuum hose from the Plastic portion of the vacuum line with the mini clamp.

*This will be re used later on in the installation of the aFe intake (7).

***Grand Cherokee models disconnect the 1/2" line from the T-vacuum fitting that is attached to the OE intake tube.**



Figure D

Refer to Figure D

Step 11: Assemble the aFe housing with the aFe intake tube (05-00748) using the 1/4-20 screw, washers and the 1/4-20 self-locking nut.

Step 12: Install hump coupler with clamps. Tighten only the tube side.



Figure E

Refer to Figure E

Step 13: Install the aFe housing and intake over the lower portion of the OE housing. Snap in place using the tabs to hold down the aFe housing.

Step 14: Install the aFe filter on the aFe housing.

Step 15: Install the aFe Vacuum line on the valve cover and then to the aFe intake tube (8).

***Grand Cherokee install the 5/8" hose that was provided from the aFe intake tube to the T-vacuum fitting and tighten down with the provided mini clamps.**



Figure F

Refer to Figure F

Step 16: Install the aFe grommet onto the aFe intake tube (05-12602B1) followed by the temp sensor from the OE intake tube.

Step 17: Install the reducer coupling onto the shorter end of the tube. (Place the clamps over the coupling but do not tighten ⑨).

Step 18: Install the assembled intake tube onto vehicle by sliding the end without the coupling into the other end of the aFe intake tube with coupling, followed by inserting it to the throttle body.

Step 19: Install aFe housing cover using the M6 screws.

Step 20: Reconnect the temp sensor. Tighten all clamps.

NOTE: 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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Pro DRY S Air Filter



P/N: 21-40011

Pro 5R Air Filter



P/N: 24-40011

Pro DRY S Restore Kit



P/N: 90-59999

Blue Aerosol Restore Kit



P/N: 90-50001

Blue Squeeze Restore Kit



P/N: 90-50501

Programmer



P/N: 77-46202

Cat-Back Exhaust



P/N: 49-48052

aFe Power Hat



P/N: 40-10083

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video; please go to aFepower.com.

Warranty

aFe warrants their intake systems to be free of defects from workmanship and materials for a period of two (2) years, provided the intake system was: A) installed in an aFe recommended application according to aFe installation instructions; and B) the air filter has been properly cleaned utilizing an aFe cleaning solution and oil (not applicable on Pro DRY S filters). Damage from abuse, improper cleaning, improper oil and improper installation or from open flame is not covered by this limited warranty. In the event of a defect of an aFe product within the period covered by this limited warranty, the purchaser can return the product to the dealer where it was purchased or send the product to aFe at the address listed on the back after obtaining a Return Good Authorization (RGA) number from aFe. The original register receipt will be required as proof of purchase. Purchaser will be entitled to a refund of the entire purchase price or a replacement of the product at aFe's discretion. Purchaser shall be responsible for the cost of shipping the defective product to aFe. An RGA number can be obtained by calling aFe customer service. Products shipped without an RGA number will be refused. A refund or replacement of the product shall be the sole remedy available under this limited warranty and aFe shall not be responsible for consequential or incidental damages. (Some states do not allow this exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply). This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.



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