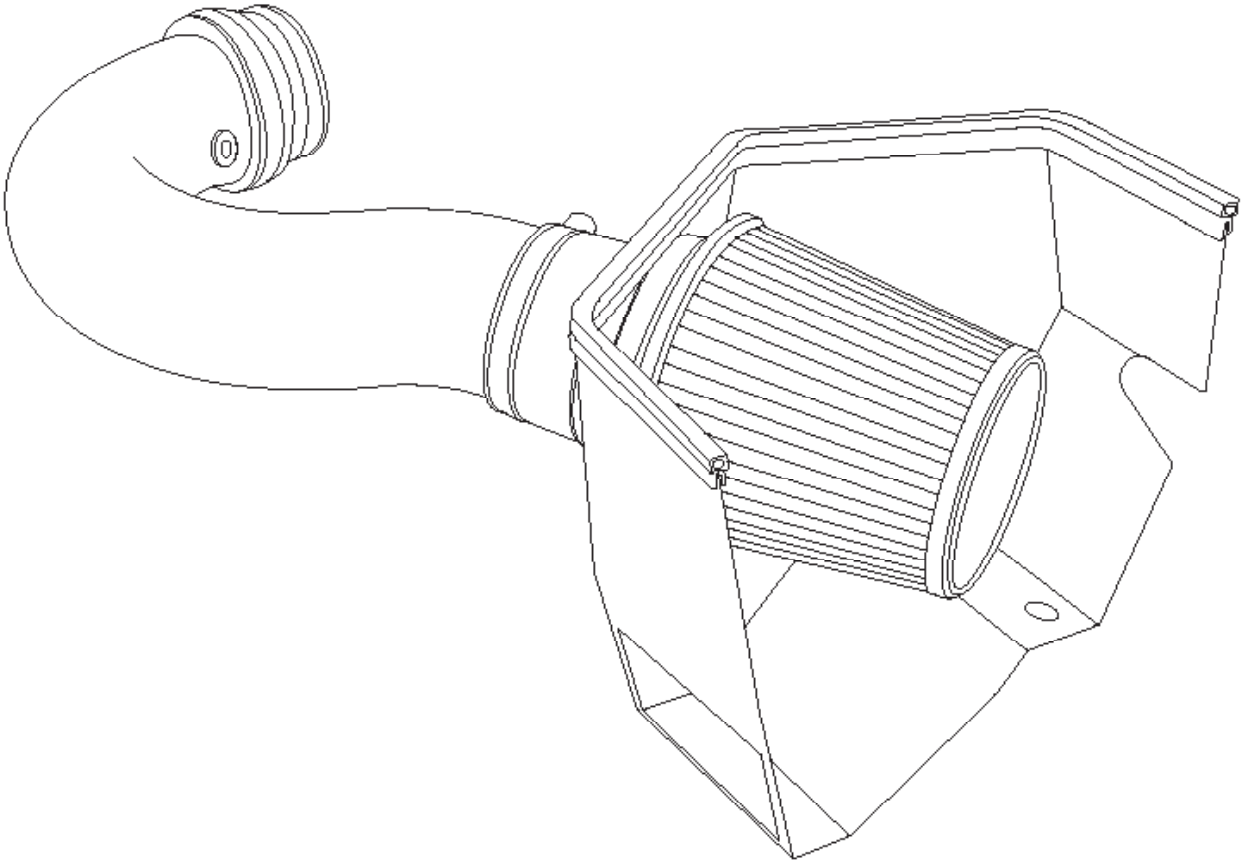




advanced FLOW engineering Stage-2 Air Intake

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

Make: **Jeep/Dodge** Model: **Grand Cherokee/Durango** Year: **11-17** Engine: **V8-5.7L**



- 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	21-90045 (Gray Media) (51-12242)
A2	1	Pro 5R Air Filter	24-91031 (Blue Media) (54-12242)
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





Figure A

Refer to Figure A for Step 1

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

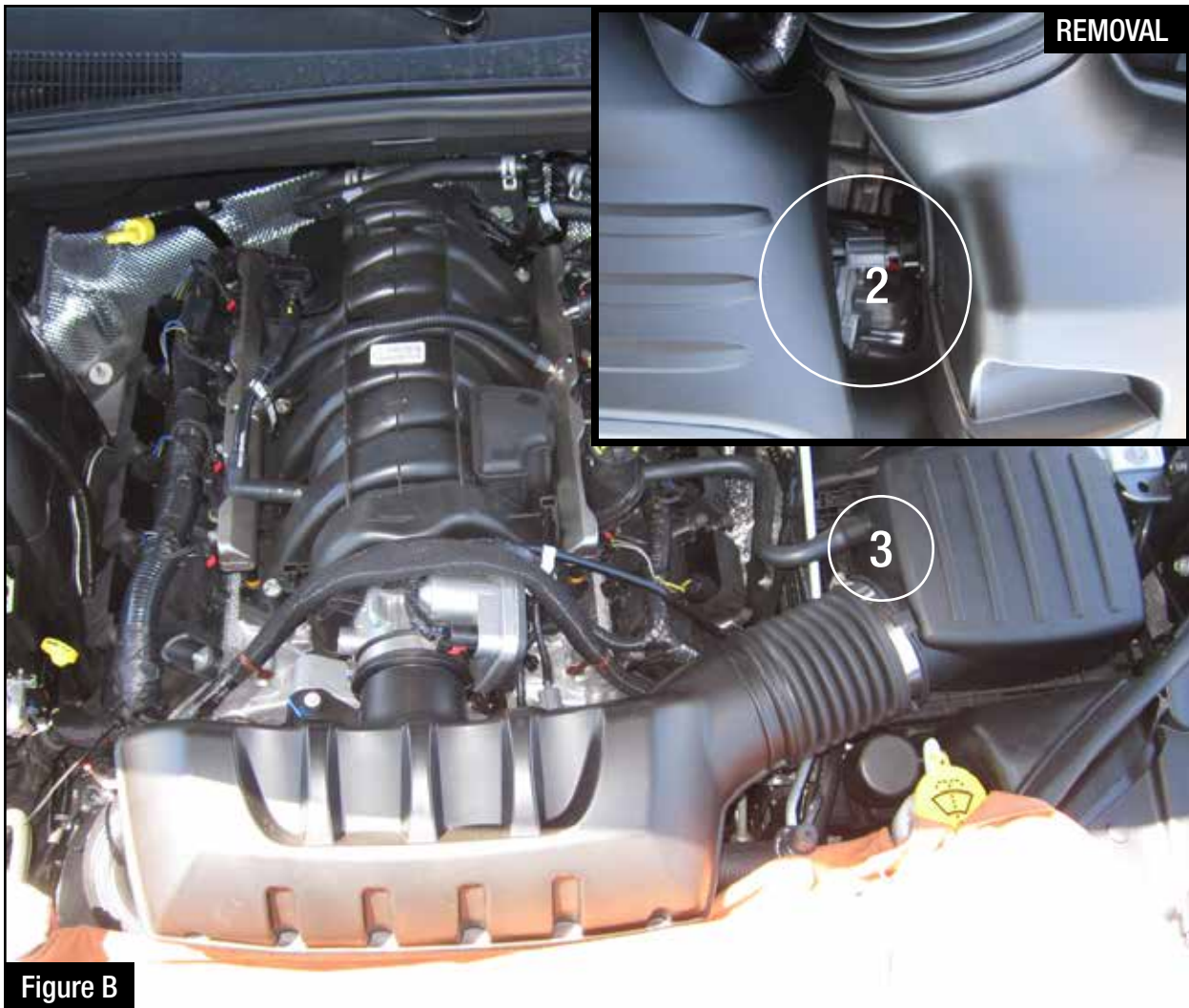


Figure B

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



Figure C

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: Install the temp sensor in the aFe intake tube through the rubber grommet. It may be easier to remove the sensor o-ring

**Figure D****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.



Figure E

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: 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.



Pro DRY S Air Filter



P/N: 21-90045

Pro 5R Air Filter



P/N: 24-91031

Pro-GUARD 7 Air Filter



P/N: 72-90045

Pro DRY S Restore Kit



P/N: 90-59999

Blue Squeeze Restore Kit



P/N: 90-50501

Blue Aerosol Restore Kit



P/N: 90-50001

aFe Key Chain



P/N: 40-10103

aFe Power Hat



P/N: 40-10083

Gold Squeeze Restore Kit



P/N: 90-50500

Gold Aerosol Restore Kit



P/N: 90-50000

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

Warranty

General Terms:

- aFe warrants their products to be free from manufacturer's defects due to workmanship and material.
- This warranty applies only to the original purchaser of the product and is non-transferrable.
- Proof of purchase of the aFe product is required for all warranty claims.
- Warranty is valid provided aFe instructions for installation and/or cleaning were properly followed.
- Proper maintenance with regular inspections of product is required to insure warranty coverage.
- Damage due to improper installation, abuse, unauthorized repair or alteration is not warranted.
- Incidental or consequential damages or cost, including installation and removal of part, incurred due to failure of aFe product is not covered under this warranty.
- All warranty is limited to the repair and/or replacement of the aFe part. To request Return Goods Authorization ("RGA"), email RGA@afepower.com or call (951)493-7100. Upon receipt of the RGA, you must return the product to the address provided in the RGA, freight prepaid and accompanied with a dated proof of purchase and the RGA. Upon receipt of the defective product and upon verification of proof of purchase, aFe will either repair or replace the defective product within a reasonable time, not to exceed thirty days.

Product Category	P/N Prefix	Warranty duration
Direct OE Replacement Filters	10, 11, 30, 31, 71, 73	Life of the vehicle
Racing Filters	18	1 year
Universal	21, 24, 72	2 years
Air Intake Systems	50, 51, 54, 55, 75	2 years
Exhaust Systems	49	2 years
Intercoolers & Intercooler Tubes	46-2	2 years
Intake Manifolds	46-1	2 years
Differential Cover	46-7	Life of the vehicle
Exhaust Manifolds	46	2 years
Throttle Body Spacers	46-3	2 years
Fluid Filters	44	90 days
Pre-Filters	28	2 years
Heavy Duty OE Replacement	70	2 years
PowerSports OE Replacement	81, 87	2 years
PowerSports Intake Systems	85	2 years

No other warranty expressed or implied applies nor is any person or advanced FLOW engineering authorized to assume any other warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.



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