

advanced FLOW engineering

Instruction Manual P/N: 51-12472 / 54-12472/ 75-12472

Make: **Jeep** Model: **Grand Cherokee (WK2)** Year: **2014-2016** Engine: **V6-3.0L (td) EcoDiesel**



- 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	Air Filter (Pro DRY S)	21-91087 Grey Media
A2	1	Air Filter (Pro-5R)	24-91087 Blue Media
A3	1	Air Filter (Pro-GUARD 7)	72-91087 Yellow Media
B	1	Tube	05-12472B1
C	1	Housing	05-12472B2
D	2	Screw, m6x20, counter sunk	03-50422
E	1	Coupling, Hump	05-00564
F	1	Coupling, Straight	05-00664
G	4	Clamp 48	03-50007
H	2	Nut, m6	03-50185
I	1	Trim Seal (18" Inches)	05-00072

Tools needed: Philips Head Screw Driver, Ratchet ¼" , 13mm Socket, Torx 25 8mm Nut Driver, & Panel Popper.

Note: Not legal for use in California. The use of this device in any on-road or off-road vehicles registered with the California Dept of Motor Vehicles (DMV) is strictly prohibited.



**Figure A****Refer to Figure A for Steps 1-6**

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

Step 2: Disconnect the MAF (Mass Air Flow) sensor wire harness (1).

Step 3: Loosen the hose clamp at the Turbo inlet side (2).

Step 4: Un-tab the top portion of the stock filter housing (3).

Step 5: Remove the stock intake tube, and top portion of air filter housing by pulling straight up and out of the vehicle (4).

Step 6: Remove Stock Filter from lower portion of the stock housing.

**Figure B****Refer to Figure B for Steps 7-9**

Step 7: Step 7: Underneath the seal trim pry up to remove the green tabs holding on the factory air scoop (5).

Step 8: Remove the lower portion of the stock housing by lifting up (6).

Step 9: Remove the factory grommets and air scoop from the bottom of the stock housing. Save as these will be used later in installation (7).



Refer to Figure C for Steps 10-13

Step 10: Remove MAF sensor from top portion of the stock housing.

Step 11: Install MAF sensor on aFe housing with the counter sunk M6 screw & nuts.

Step 12: Install grommets and air scoop from lower portion of stock housing to the aFe housing.
(See Step 9).

Step 13: Install seal trim on the top edges of aFe housing.

**Figure D****Refer to Figure D for Steps 14-17**

Step 14: Remove the screw holding down the power steering reservoir (8).

Step 15: Install assembled aFe housing on vehicle. (Make sure housing tab sits center where power steering reservoir bolt hole screws).

Step 16: Re-Install the power steering reservoir.

Step 17: Re-install seal trim green tabs on air scoop.

**Figure E****Refer to Figure E for Steps 18-21**

Step 18: Step 18: Install aFe Hump Coupler (05-00564) with provided clamps on the turbo inlet tube. (Tighten only the inlet side) (9).

Step 19: Install aFe coupling (05-00664) with provided clamps on the MAF sensor. (Tighten only the MAF sensor side) (10) .

Step 20: Install the aFe intake tube. (Turbo inlet side first).

Step 21: Adjust aFe intake tube for proper fitment then tighten clamps.



Figure F

Refer to Figure F for Steps 22-24

Step 22: Install aFe filter and tighten clamp.

Step 23: Re-Connect MAF sensor harness.

Step 24: Re-Install Engine cover.

Your install is now complete! Verify all connections are secure 100-200 miles after installation.



Pro DRY S Air Filter



P/N: 21-91087

Pro 5R Air Filter



P/N: 24-91087

Pro GUARD Air Filter



P/N: 72-91087

Blue Squeeze Restore Kit



P/N: 90-50501

Pro DRY S Restore Kit



P/N: 90-59999

Gold Squeeze Restore Kit



P/N: 90-50500

DPF-Back Exhaust



P/N: 49-46234

DPF-Back Exhaust



P/N: 49-46235

Oil Filter



P/N: 44-LF035

aFe Power Hat



P/N: 40-10043

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

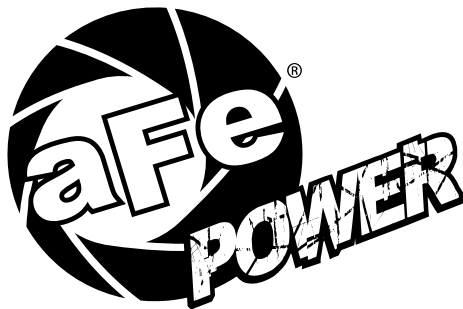
Warranty

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 nontransferable.
- 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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