

## advanced FLOW engineering

### **Instruction Manual** P/N: 54-12512 & 51-12512 Stage-2 Air Intake

Make: **Fiat** Model: **500 FWD** Year: **2012-2017** Engine: **L4-1.4L**

Make: **Fiat** Model: **500L FWD** Year: **2014-2017** Engine: **L4-1.4L**

Make: **Fiat** Model: **500X FWD** Year: **2016-2017** Engine: **L4-1.4L**



- 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.

## Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro 5R)	24-90054
A2	1	Air Filter (Pro DRY S)	21-90054
B	1	Clamp, 032 (1-9/16" - 2-1/2")	03-50016
C	1	Clamp, 044 (2-5/16" - 3-1/4")	03-50019
D	2	Isolation Mount M6	03-50022
E	1	Screw, Hex Hd: M6x1x12	03-50032
F	3	Nut, Hex: M6X1, Gr 8.8	03-50059
G	5	Washer, Flat	03-50070
H	1	Hose, Fuel: 5/8" ID,(16.5 inches)	05-00069
I	1	Coupling, Elbow Reducer	05-01317
J	1	Tube, Rotomold	05-12512B1
K	1	Housing	05-12512B2
L	1	Isolation Mount	03-50272
M	1	Screw, Hex HD M6x1x20	03-50057
N	1	Washer, Lock M6	03-50071

Installation will require the following tools:

8mm nut driver, 10mm socket, ratchet, 8mm; flat head screwdriver.



K



H



J



I



D



G



L



F



E



M



N



C



B



A1



A2



Figure A

**Refer to Figure A for step 1**

Step 1: Pull upwards to remove the engine cover off the OE grommets.

**Figure B****Refer to Figure B for steps 2-5**

Step 2: With an 8mm nut driver loosen the clamp at the throttle body. ①

Step 3: Disconnect the crank case hose. ②

Step 4: Remove the 3 bolts ③ retaining the OE intake.

Step 5: Remove OE intake out of vehicle.



Figure C

**Refer to Figure C for step 6**

Step 6: Install the two supplied M8 isolation mounts ④ onto valve cover.



Figure D

**Refer to Figure D for steps 7-9**

Step 7: Install the shorter supplied isolation mount onto aFe housing, securing it with washer and nut provided.

Step 8: Install the aFe housing into the vehicle securing it with the bolt, washers, and M6 nuts provided.

Step 9: Install the coupling onto the throttle body with clamps. Do not tighten clamps at this time.

**Figure E****Refer to Figure E for steps 10-14**

Step 10: Install the aFe tube onto the isolation mount then into the coupling.

Step 11: Install the aFe filter onto the intake tube and tighten clamp.

Step 12: Align intake tube and coupling then tighten clamps and secure tube to isolation mount with bolt, lock washer, and flat washer provided.

Step 13: Install the crack case hose onto the aFe intake tube and OE location.

Step 14: Make sure all clamps and nuts are secured. Your installation is now complete.

\*Verify all connections are secure 100-200 miles after installation

**Note: Place enclosed CARB EO sticker on or near the device on a smooth, clean surface. Eo identification label is required to pass the smog inspection.**



Page left blank intentionally



Pro DRY S Air Filter



P/N: 21-90054

Pro 5R Air Filter



P/N: 24-90054

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 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](http://aFepower.com).

# Warranty

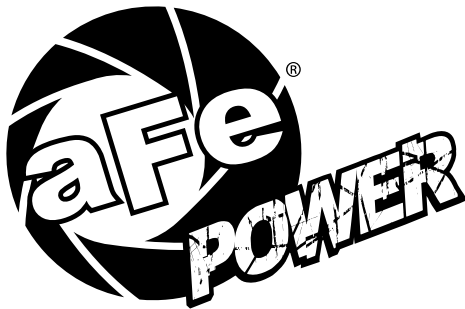
## General Terms:

- 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](mailto: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.

<b>Product Category</b>	<b>P/N Prefix</b>	<b>Warranty duration</b>
Direct OE Replacement Filters	10, 11, 30, 31, 71, 73	Life of the vehicle
Racing Filters	18	1 year
Universal	21, 24, 72, TF	2 years
Air Intake Systems	50, 51, 54, 55, 75, TR, TA, TL	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
Turbochargers	46-6	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.

\*See turbocharger warranty for more info



**advanced FLOW engineering, inc.**  
252 Granite Street Corona, CA 92879  
TEL: 951.493.7100