

***advanced FLOW engineering***

**Instruction Manual** P/N: 54-10852 & 51-10852

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Make: **BMW** Model: **M5 (E39)** Year: **99-03** Engine: **V8-5.0L**



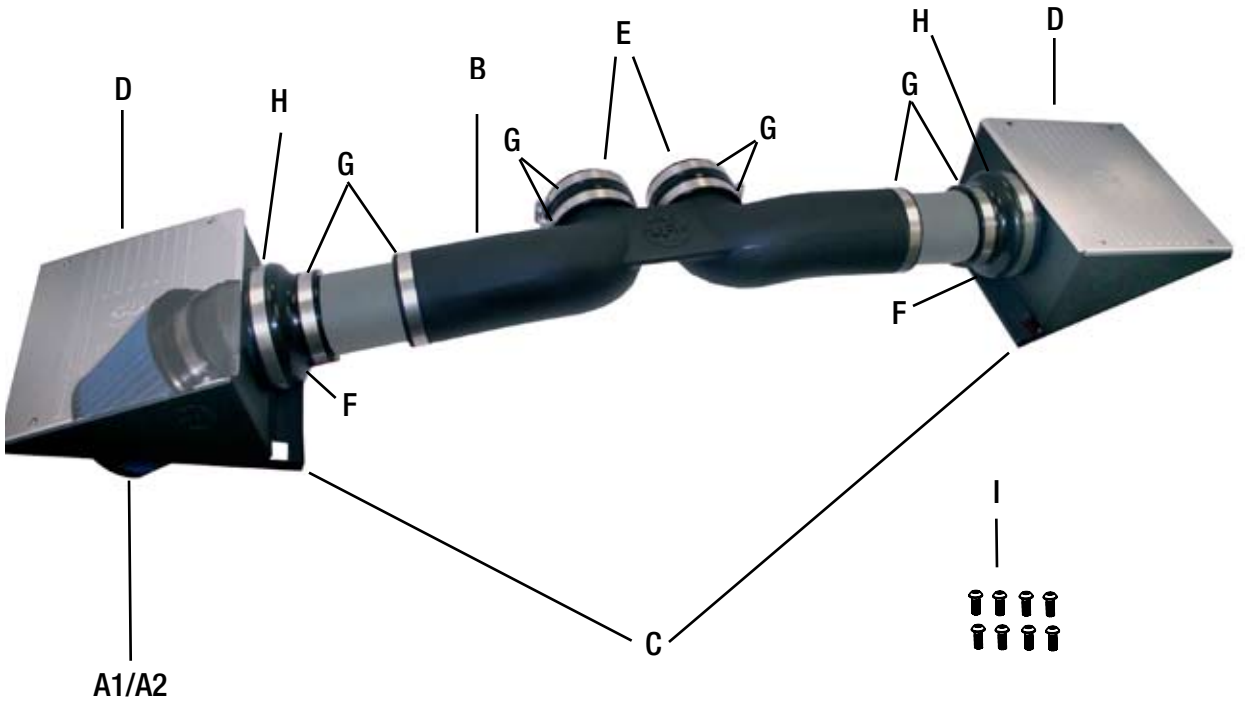
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	2	Air Filter (Pro 5R)	24-40505*
A2	2	Air Filter (Pro DRY S)	21-40505*
B	1	Tube	05-00723
C	2	Housings	05-00705
D	2	Covers	05C00705
E	2	Coupling, Straight	05-00419
F	2	Coupling, Reducer	05-00735
G	8	Clamp, 052	03-50008
H	2	Clamp, 064	03-50006
I	8	Screw, M6x1x12	03-50102

Installation will require the following tools:  
8mm nut driver, 6mm nut driver, T25 torx driver.

\*The intake part number will determine the filter part number your kit will include.

Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.



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

Step 1: Disconnect the MAF sensor harness mount from the intake tube ①.

Step 2: Disconnect the MAF sensors ②.

Step 3: Disconnect the four clips that hold the lower and upper air box's together ③.

Step 4: Disconnect the two clips holding the MAF sensors to the upper air box's ④.

Step 5: Remove both sides of the upper air boxes and remove the stock air filters.

Step 6: Loosen the two clamps holding the factory intake tubes to the engine, and remove them from the vehicle ⑤ .



Figure B

**Refer to Figure B for step 7**

Step 7: Remove the MAF sensors from your factory intake tubes and install them onto your aFe tube with the clamps provided (DO NOT MIX UP THE TWO SENSORS OR FACE THEM THE WRONG WAY OR THE CAR WILL RUN POORLY).



**Refer to Figure C for step 8**

Step 8: Install the aFe intake tube into the vehicle (6) using the supplied straight couplings and clamps.



Figure D

**Refer to Figure D for steps 9-10**

Step 9: Install the supplied reducer couplings onto the aFe housings with the supplied clamps (7).

Step 10: Install the air filter onto both housings (8) (Make sure the filters are installed as low as they can go or you will have problems installing the covers).



Figure E

**Refer to Figure E for steps 11-12**

Step 11: Install both housings into the vehicle and connect all eight clips to secure them (9) (four clips on each side).

Step 12: Tighten the clamps that join the MAF sensors and the housings together (10) .





Figure F

**Refer to Figure F for steps 13-15**

Step 13: Install your covers onto your housings using the supplied eight screws (11).

Step 14: Reconnect both your MAF sensors (12). (Make sure you hear them click)

Step 15: Your installation is now complete. Please double check all the connections and confirm they are tight. Thank you for choosing aFe Power!



Pro DRY S Air Filter



P/N: 21-40505

Pro 5R Air Filter



P/N: 24-40505

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

# 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"). 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