

## advanced FLOW engineering

Magnum FORCE Stage-2 Intake System

**Instruction Manual** P/N: 51-31662 / 54-31662 / 52-31662

Make: **BMW** Model: **M3 (E9x)** Year: **2008-2013** Engine: **V8-4.0L**



- 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 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)	21-90061
A2	1	Air Filter (Pro 5R)	24-90061
B	1	Tube	05-31662B1
C	2	Clamp, #104	03-50051
D	1	Coupling, Silicone Hump	05-01262
E	1	Fitting, Smog Pump	05-01096
F	1	Grommet, Rubber	03-50139

Installation will require the following tools:  
5/16" Socket or Nut Driver, T25 Torx Bit, & Flat-Head Screw Driver

B



A1



A2



C



D



E



F


**Figure A**

**Refer to Figure A for steps 1-3**

- Step 1. Loosen the airbox cover retaining screws using a T25 Torx bit and remove the airbox cover.
- Step 2. Loosen the clamp securing the intake tube to the intake plenum.
- Step 3. Disconnect the flexible breather tube from the intake tube.

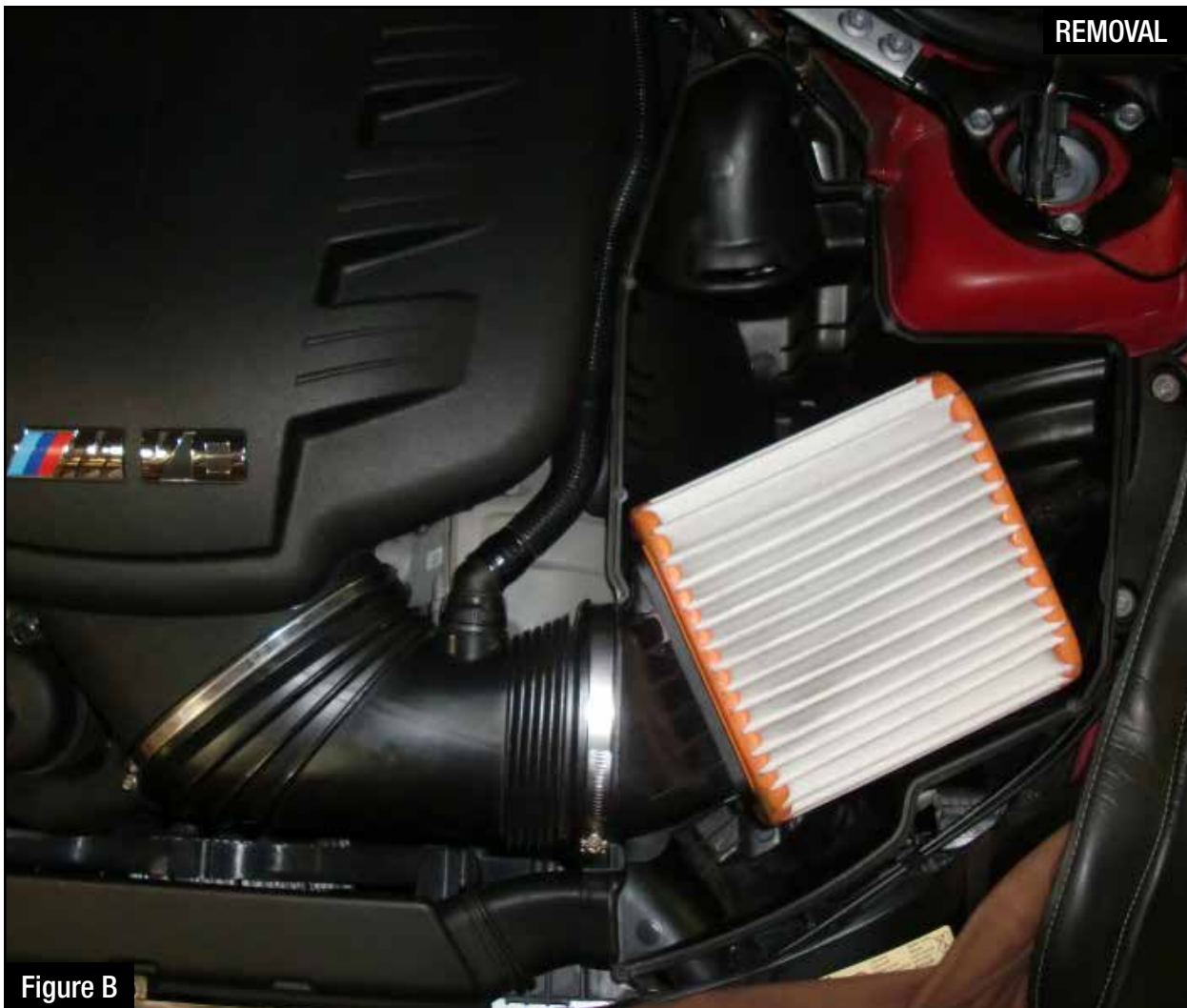


Figure B

**Refer to Figure B for step 4**

Step 4. Remove the intake tube and air filter from the airbox.

**Figure C****Refer to Figure C for steps 5-7**

Step 5. Install aFe air filter, air filter clamp, rubber grommet and aluminum smog pump adapter on the aFe intake tube. Tighten the air filter clamp.

Step 6. Install the hump coupling and supplied clamps on the aFe intake tube, do not tighten the clamps at this time.

Step 7. Install aFe intake tube assembly into vehicle. *(It is easiest to first seat the hump coupling on the intake plenum before guiding the "filter end" of the tube into the airbox. When installed completely, the air filter will be located below the OE air filter plunger. The groove in the tube will seat on the airbox and lid.)* Tighten the hump coupling clamps.





Figure D

**Refer to Figure D for steps 8-9**

Step 8. Connect the flexible breather tube to the aluminum smog pump adapter. Install the airbox cover and tighten the retaining screws. Installation is now complete.

**NOTE: Retighten all connections after approximately 100-200 miles.**

**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.**



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Pro DRY S Air Filter



P/N: 21-90061

Pro 5R Air Filter



P/N: 24-90061

Pro DRY S Restore Kit



P/N: 90-59999

Blue Squeeze Restore Kit



P/N: 90-50501

Sprint Booster V3



P/N: 77-16302

Mid Pipe/X-Pipe Exhaust



P/N: 49-36321 (w/ Reson.)  
49-36316 (No Reson.)

(2 Door) Cat-Back Exhaust



P/N: 49-36312-P (Pol. Tips)  
49-36312-C (C/F Tips)

(4 Door) Cat-Back Exhaust



P/N: 49-36311-P (Pol. Tips)  
49-36311-C (C/F Tips)

Power Pulley



P/N: 79-10001

Dynamic Air Scoops



P/N: 54-11478 (Black)  
54-11478-R (Red)

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 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](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	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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