

## advanced FLOW engineering

Magnum FORCE Stage-2 Intake System

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

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	Pro Dry S Air Filter	R21-91086 Grey Media
A2	1	Pro 5R Air Filter	R24-91086 Blue Media
B	1	Air Intake Tube	05-31662C1
C	2	Clamp 104	03-50051
D	1	Hump Coupling	05-01262
E	1	Smog Pump Adaptor	03-01096
F	1	Rubber Grommet	05-50139

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





**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.

REMOVAL

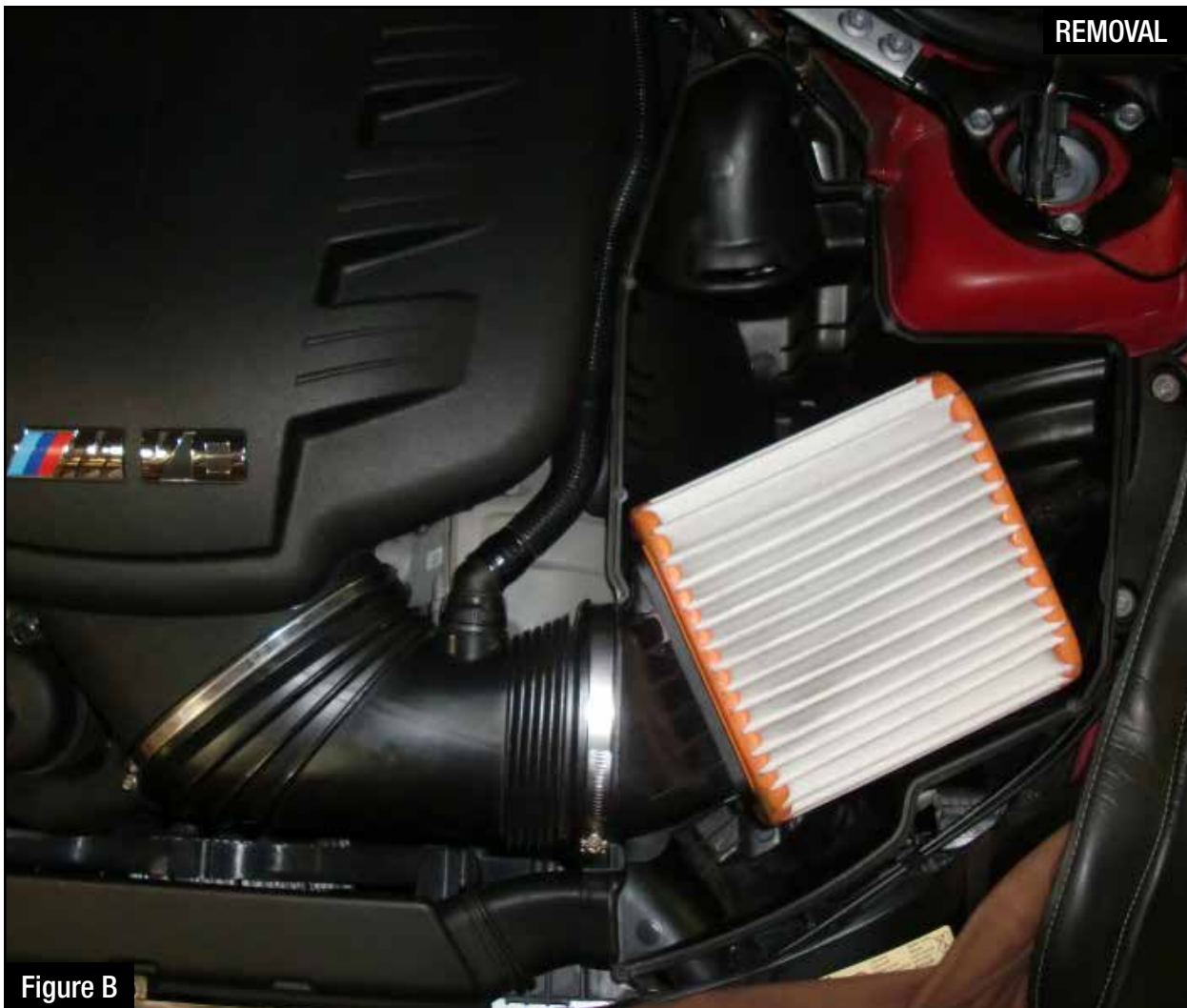


Figure B

**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 intake plenum, do not tighten the clamps at this time.
- Step 7. Install aFe intake tube assembly into vehicle. *(It is easiest to first slide the intake tube into 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.)*

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

Step 8. Orient clamps as shown. (Make sure clamp screw is located on the side of the tube). Then tighten clamps.

Step 9. Connect the flexible breather tube to the aluminum smog pump adapter. Re-install the airbox cover and tighten the retaining screws. Installation is now complete.

**NOTE: Place enclosed CARB EO sticker on a clean/smooth surface on or near the intake system. EO identification label is required in passing the smog check inspection.**



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Pro DRY S Air Filter



P/N: 21-91086

Pro 5R Air Filter



P/N: 24-91086

Dynamic Air Scoops



P/N: 54-11478

Stage 2 Intake System



P/N: 50-11662-B

Cat Back Exhaust (E90)



P/N: 49-36311-P

Cat Back Exhaust (E90)



P/N: 49-36311-C

Cat Back Exhaust (E92/93)



P/N: 49-36312-P

Cat Back Exhaust (E92/93)



P/N: 49-36312-C

Race Pipe



P/N: 49-36316

Power Pulley (2007-2008.5)



P/N: 79-10001

Power Pulley (2009-2013)



P/N: 79-10002

Blue Squeeze Restore Kit



P/N: 90-50501

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video please go to [aFePower.com](http://aFePower.com).

# Warranty

aFe warrants their intake systems to be free of defects from workmanship and materials for a period of two (2) years, provided the intake system was: A) installed in an aFe recommended application according to aFe installation instructions; and B) the air filter has been properly cleaned utilizing an aFe cleaning solution and oil (not applicable on Pro DRY S filters). Damage from abuse, improper cleaning, improper oil and improper installation or from open flame is not covered by this limited warranty. In the event of a defect of an aFe product within the period covered by this limited warranty, the purchaser can return the product to the dealer where it was purchased or send the product to aFe at the address listed on the back after obtaining a Return Good Authorization (RGA) number from aFe. The original register receipt will be required as proof of purchase. Purchaser will be entitled to a refund of the entire purchase price or a replacement of the product at aFe's discretion. Purchaser shall be responsible for the cost of shipping the defective product to aFe. An RGA number can be obtained by calling aFe customer service. Products shipped without an RGA number will be refused. A refund or replacement of the product shall be the sole remedy available under this limited warranty and aFe shall not be responsible for consequential or incidental damages. (Some states do not allow this exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply). This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.



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