



advanced FLOW engineering

Stage 2

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

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.
- 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	R21-90061 Grey Media (Included in 51-31662)
A2	1	Pro 5R Air Filter	R24-90061 Blue Media (Included in 54-31662)
B	1	Air Intake Tube	05-31662B1
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

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.

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.



Pro DRY S Air Filter



P/N: 21-90061

Pro 5R Air Filter



P/N: 24-90061

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

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.