



advanced FLOW engineering

Stage 2

Instruction Manual P/N: 52-31662-C / 51-31662-C / 54-31662-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.
- 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) | 21-91086 |
| A2 | 1 | Air Filter (Pro 5R) | 24-91086 |
| B | 1 | Tube | 05-31662C1 |
| 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

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



D



C



A1



A2



E



F



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.



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.



Pro DRY S Air Filter



P/N: 21-91086

Pro 5R Air Filter



P/N: 24-91086

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)