



## advanced FLOW engineering

### Instruction Manual P/N: 51-12922-B / 51-12922-B / 51-12922-C / 54-12922-C

Make: **BMW** Model: **330i/ix/GT 430i/ix (F3X)**  
Make: **BMW** Model: **430i/ix/Gran Coupe (F36)**  
Make: **BMW** Model: **230i/ix (F22/F23)**

Year: **2016-2017** Engine: **L4-2.0L (t) B46/B48**  
Year: **2016-2017** Engine: **L4-2.0L (t) B46/B48**  
Year: **2017** Engine: **L4-2.0L (t) B46/B48**



- 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 both the negative battery terminal before proceeding.

## Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro 5R)	24-90096
A2	1	Air Filter (Pro DRY S)	21-90096
B1	1	Cover, Black	05-12912B2
B2	1	Cover, Carbon Fiber Look	05-12912C2
C	1	Tube	05-76312B1
D	1	Plug, Silicone	05-01387
E	1	Coupling, Silicone Dbl. Hump	05-01416
F	2	Clamp, #060	03-50002
G	2	Screw, Torx: M4	03-50490

Installation will require the following tools:

Phillips screwdriver & 8mm nut driver, flat head screwdriver, 11mm socket, socket wrench, T20 torx driver.

**Note:** Not legal for use in California. The use of this device in any on-road or off-road vehicles registered with the California Dept of Motor Vehicles (DMV) is strictly prohibited.





Figure A

**Refer to Figure A for Step 1**

Step 1: Remove the radiator cover by popping off grommets.



**Refer to Figure B for Steps 2-5**

Step 2: Disconnect the MAF sensor.

Step 3: Unclip the top of the OE air box.

Step 4: Loosen the clamp on the OE intake tube connecting to the turbo inlet tube.

Step 5: Remove the top of the air box and tube out of the vehicle.



**Refer to Figure C for Steps 6-7**

Step 6: Pre-install the aFe air filter with clamp through the aFe housing, assure the filter retain groove is snapped into along the housing.

Step 7: Install the aFe housing onto the bottom OE air box, securing it with the OE clips.



### **Refer to Figure D for Steps 8-12**

Step 8: Transfer the MAF sensor from the OE intake tube to the aFe tube with the supplied hardware.

Step 9: Install the coupling onto the turbo inlet tube with clamps. Do not tighten clamps at this time.

Step 10: Insert the aFe intake tube into the filter then into the coupling.

Step 11: Align the tube with filter and coupling, tighten clamps on coupling then filter.

Step 12: Re-plug MAF sensor harness.



Figure E

**Refer to Figure E for Steps 13-15**

Step 13: Reinstall the radiator cover.

Step 14: Make sure all clamps and bolts are tighten.

Step 15: Installation is now complete. Thank you for choosing aFe Power!





Pro DRY S Air Filter



P/N: 21-90096

Pro 5R Air Filter



P/N: 24-90096

Pro DRY S Restore Kit



P/N: 90-59999

Blue Squeeze Restore Kit



P/N: 90-50501

Dynamic Air Scoop



P/N: 54-12218 (Black)  
54-12218-C (Carbon Fiber)  
54-12218-L (Blue)  
54-12218-R (Red)

Turbo Downpipe



P/N: 48-36317-HC (Street)  
48-36317-HN (Race)

SCORCHER GT Module



P/N: 77-46318

Axle-Back Exhaust



P/N: 49-36335-P (Pol. Tips)  
49-36335-B (Blk. Tips)

Cat-Back Exhaust



P/N: 49-36334-P (Pol. Tips)  
49-36334-B (Blk. Tips)

aFe Motorsport T-Shirt



P/N: 40-30442-B (M)  
40-30443-B (L)