



**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.
- If you are missing any of the components.
- 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.





Figure C

**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)