



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 (F30/F31/F34)** Year: **2016-2018** Engine: **L4-2.0L Turbo (B46/B48)**  
Make: **BMW** Model: **430i/ix/Gran Coupe (F32/F36)** Year: **2017-2020** Engine: **L4-2.0L Turbo (B46/B48)**  
Make: **BMW** Model: **230i/ix (F22)** Year: **2017-2020** Engine: **L4-2.0L Turbo (B46/B48)**  
Note: **Does NOT fit Convertible Models.**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call technical support at 951-493-7100 or e-mail [tech@afepower.com](mailto:tech@afepower.com).
- 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.

Warranty Information available at <https://afepower.com/contact#warranty>

**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.



Figure D

**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!

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