



***advanced FLOW engineering*** Stage-2 Cold Air Intake System

**Instruction Manual** P/N: 51-12202 / 54-12202

Make: <b>BMW</b>	Model: <b>M2 (F87)</b>	Year: <b>2016-2018</b>	Engine: <b>L6-3.0L (t) N55</b>
Make: <b>BMW</b>	Model: <b>335i/xi (F30/34)</b>	Year: <b>2012-2015</b>	Engine: <b>L6-3.0L (t) N55</b>
Make: <b>BMW</b>	Model: <b>435i/xi (F32/33/36)</b>	Year: <b>2014-2016</b>	Engine: <b>L6-3.0L (t) N55</b>
Make: <b>BMW</b>	Model: <b>M135i/xi/M235i (F20/21/22)</b>	Year: <b>2012-2016</b>	Engine: <b>L6-3.0L (t) N55</b>



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call at 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro DRY S)	21-91074
A2	1	Air Filter (Pro 5R)	24-91074
B	1	Tube	05-12202B1
C	1	Housing	05-12202B2
D	2	Screw, M4	03-50490
E	1	Trim Seal: 7/16" Bulb (24")	05-00072
F	1	Screw, Hex Head, 1/4-20 x 3/4	03-50100
G	1	Fitting, Elbow: 1/4-NPT	03-50149
H	1	Fitting, Vacuum Line	05-01246
I	1	Clamp, Mini #006	03-50025
J	1	Clip Nut, 1/4-20	03-50389
K	1	Hose, Breather: 1/2" ID (14")	05-01396
L	1	Plug, Hex Head, 1/4-NPT	03-50531
M	1	Torx Bit: M4	03-50066

**Installation will require the following tools:**

6mm, 8mm, and 13mm nut drivers or sockets, socket wrench, flat-head screwdriver, and pliers.

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

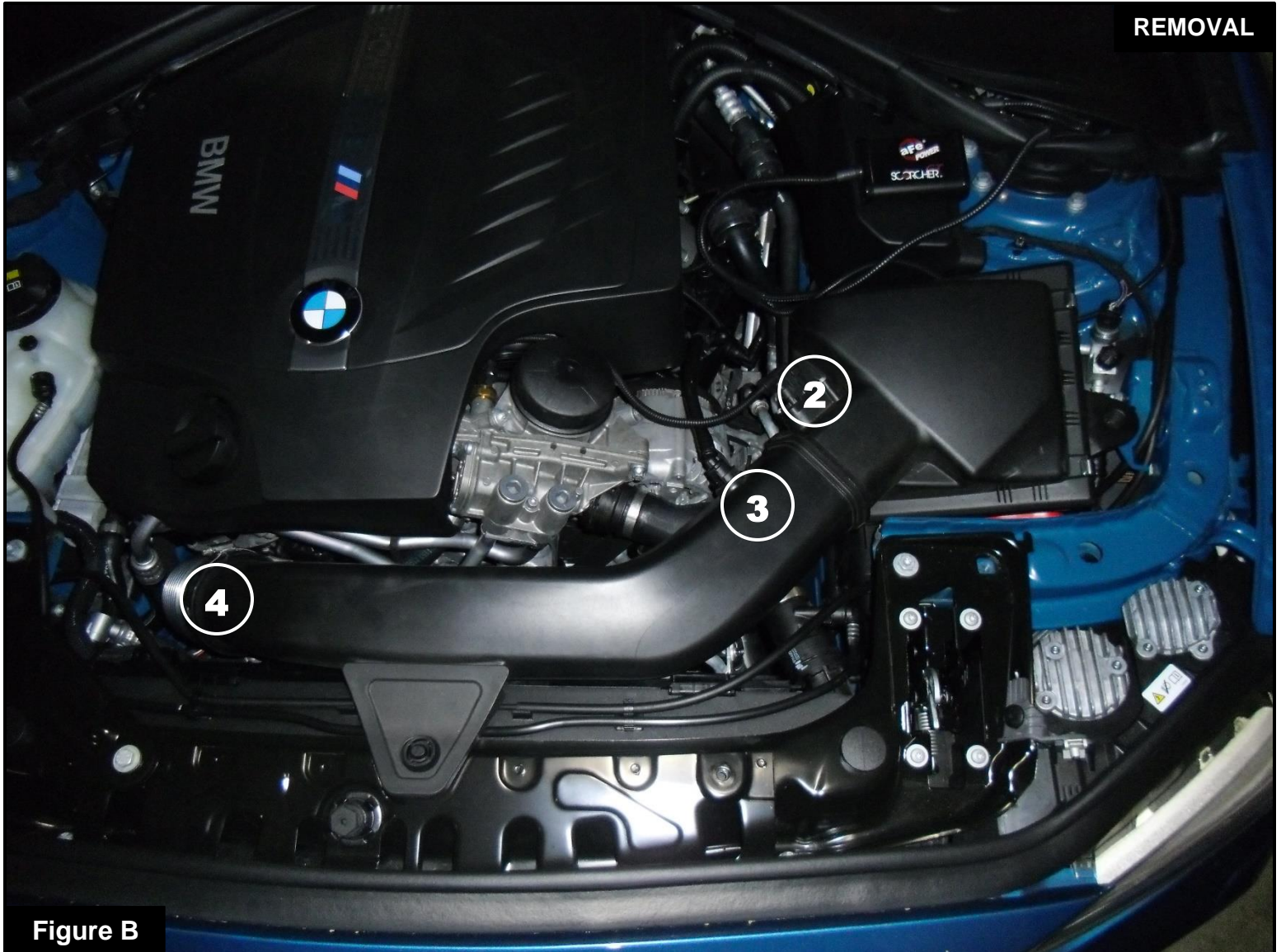
**Note:** Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.



**Figure A****Refer to Figure A for Step 1**

Step 1: If your vehicle is equipped with a brace, remove the brace by unscrewing the four (4) 13mm bolts.

Keep the bolts for later use ①.


**Figure B**

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

Step 2: Disconnect the MAF sensor harness (2).

Step 3: If equipped, unplug the vacuum line from the factory intake (3).

Step 4: Using a 6mm nut driver, loosen the hose clamp at the factory intake (4). Then, slide the factory intake away from the turbo inlet pipe.

Step 5: To remove the factory intake, carefully pull up and away from the engine bay.

**Figure 1****Figure C**

### **Refer to Figure C for Steps 6-8**

Step 6: Transfer the MAF sensor from the factory intake to the aFe Power intake tube and attach with the supplied screws (5) and Torx bit. See Figure 1.

Step 7: Remove the factory grommet on top of the radiator support and install it onto the aFe Power intake tube (6).

Step 8: For vehicles with an automatic transmission, install the elbow fitting onto the aFe Power intake tube. Then, slip the provided breather hose over the open end of the elbow fitting. Install the aluminum vacuum fitting on the other end of the breather hose and clamp on with the provided mini clamp (7). Vehicles with the manual transmission will use the threaded plug instead of the elbow fitting.

**Figure D****Refer to Figure D for Steps 9-10**

Step 9: Assemble the aFe housing. Install the supplied trim seal on top of the edge of the housing (8).

Step 10: Install the aFe filter on the housing by gently sliding the filter in the hole until it's flat against the housing. The filter should be held in place by its molded retention lip and groove (9).



**Refer to Figure E for Steps 11-13**

- Step 11: Install the clip nut by sliding into the open channel of the supporting strut near the front of the aFe Power housing (10).
- Step 12: Install the aFe Power housing into the vehicle by pushing it into the factory grommets. Then secure the aFe Power housing with the provided hardware to the clip nut.
- Step 13: Install the aFe Power intake tube into the turbo inlet, then into the air filter, then onto the peg on the radiator support. Do not tighten the clamps at this time. Connect the vent hose if equipped. It can be routed under the intake tube (11).



**Figure F****Refer to Figure F for Steps 14-17**

Step 14: Connect the MAF harness to the MAF sensor (12).

Step 15: Make sure all parts sit correctly in the vehicle, then tighten all of the clamps.

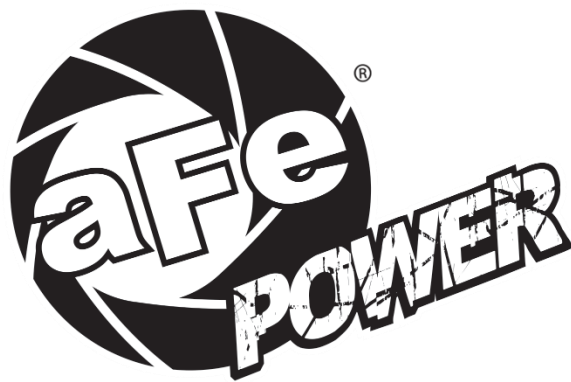
Step 16: If your vehicle is equipped with a brace, re-install the brace with the factory bolts from Step 1.

Step 17: Verify all clamps are secure and re-check periodically. Your installation is now complete. Thank you for choosing aFe Power!

**Emissions Disclaimer: This product is not currently CARB exempt and is not available for purchase in California or for use on any vehicle registered with the California Department of Motor Vehicles.**

Page left blank intentionally

Page left blank intentionally



***advanced FLOW engineering, inc.***

252 Granite Street Corona, CA 92879

<https://afepower.com/contact>