

**advanced FLOW engineering**

**Instruction Manual** P/N: 51-11942 / 54-11942

Make: **BMW** Model: **Z4 3.0i** Year: **06-08** Engine: **L6-3.0L**

**Magnum Force Stage-2 Intake**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- 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	R21-91054
A2	1	Air Filter	R24-91054
B	1	Tube, Intake	05-00769
C	1	Housing	05-11942B2
D	1	Adaptor	05-00676
E	1	Coupler, Angle	05-01152
F	1	Cover	05C01001
G	1	Gasket, MAS	05-00118
H	2	Screws, Hex, M6x1x16	03-50052
I	4	Screws, Button, M6x1x10	30-50113
J	2	Screws, M4x7x10	03-50221
K	4	Screws, Hex, M6x1x25	03-50114
L	1	Washer, Sealing	03-50104
M	2	Nut, Self Locking	03-50059
N	1	Wing Nut	03-50226
O	6	Washers, M6	03-50070
P	1	Gasket, Flange	05-00075
Q	2	Clamp, 056	03-50009

Installation will require the following tools:

Flat head screw driver, Phillips screw driver, 8mm socket, 10mm socket, Ratchet & 5/16 nut driver.

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



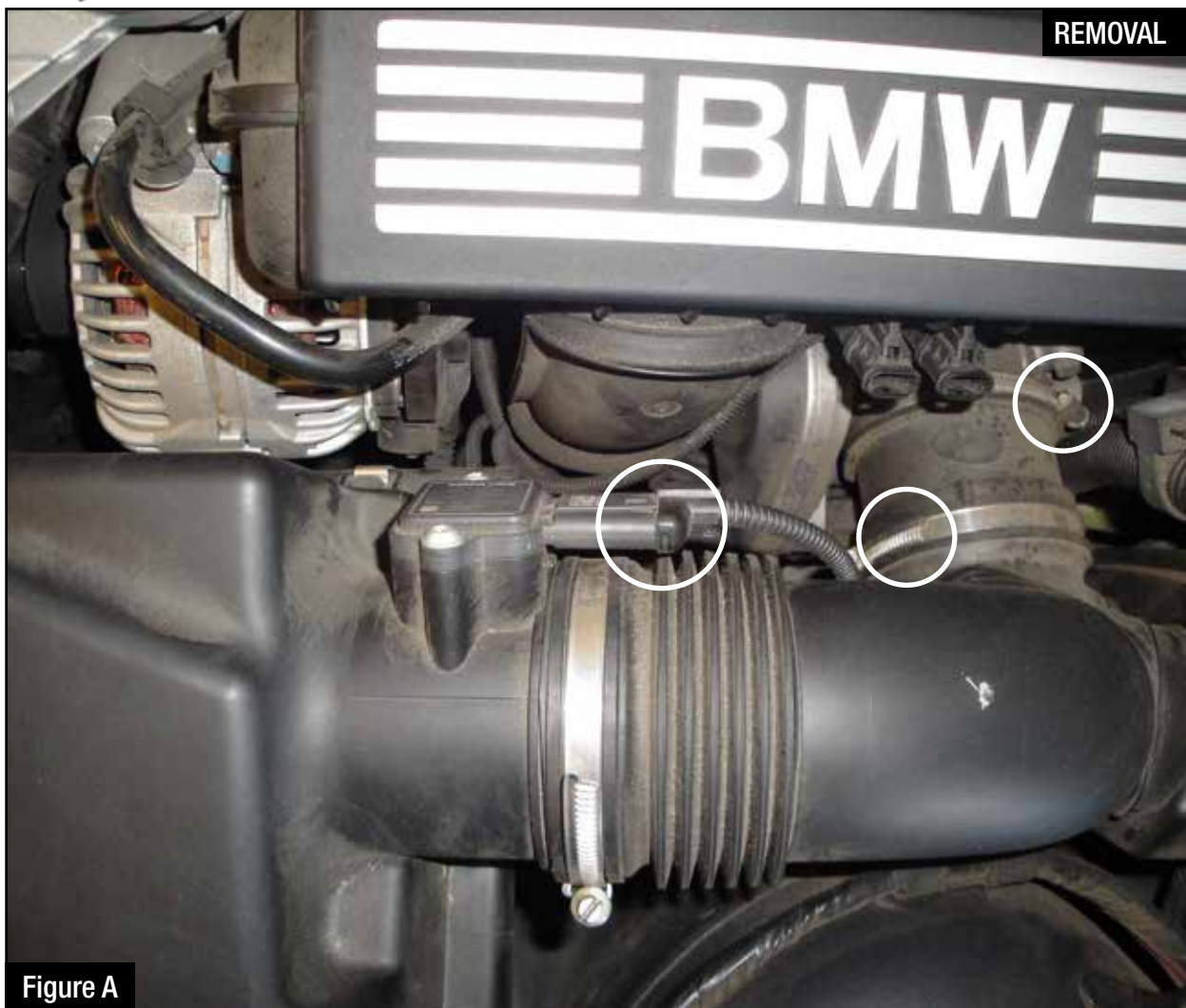


Figure A

**Refer to Figure A for steps 1-5**

Step 1: Disconnect the Mass Air Flow (MAF) sensor plug.

Step 2: Loosen the clamp on the OE intake with a 6mm nut driver and pull the intake away from the throttle body. The second clamp should stay attached to the throttle body.

Step 3: Pull the intake out as one piece. Keep in mind that there are two plastic housing mounts. Remember to pull straight up.

Step 4: Loosen up the throttle body clamp with a 6mm nut driver and pull up, not towards you.

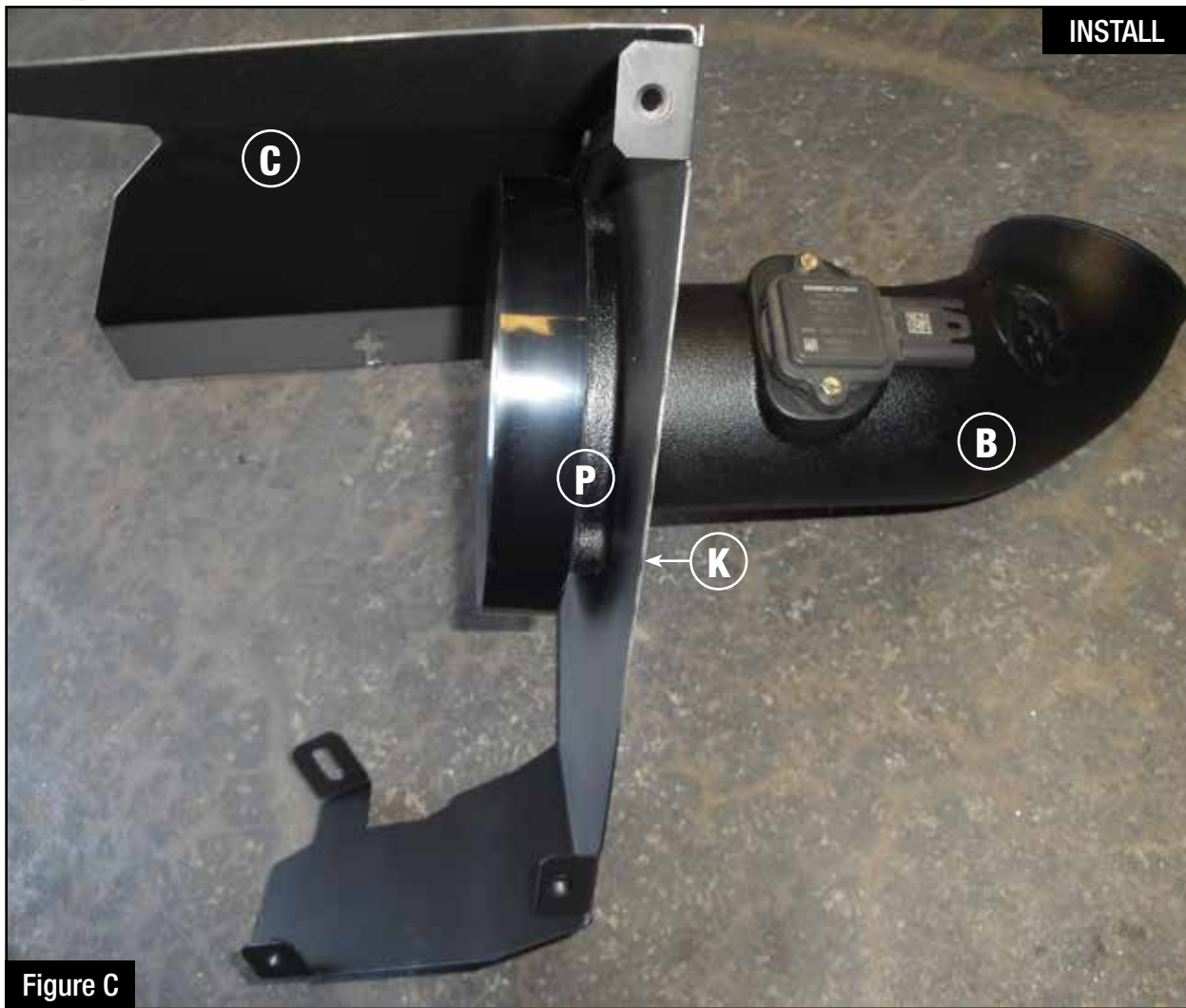
Step 5: Loosen the 2 screws and remove the MAF sensor.



**Refer to Figure B for steps 6-7**

Step 6: Remove the plastic housing mounts. To remove, twist 1/2 turn to the left and pull straight up.

Step 7: Remove the rubber mount on the bottom where the OE housing sat by just pulling the mount off.


**Figure C**

**Refer to Figure C for steps 8-10**

- Step 8: Route the intake tube (B) inside the housing (C) leaving the flange inside, set the 4 hex screws (K) in place and slide in the flange gasket (P) followed by the filter adaptor.
- Step 9: Install the MAF sensor and round gasket on the intake with the two flat head screws provided in the hardware kit.
- Step 10: Attach the coupler to the tube with clamps provided in the kit. (Do not tighten at this time)





Figure D

### **Refer to Figure D for steps 11-16**

Step 11: Install Kit into vehicle and position.

Step 12: Secure the housing using M6 screws, nuts and washers provided, tighten using a 10mm wrench and a 10mm nut driver.

Step 13: Install the housing using the plastic wing nut (M) and sealing washer (L) (Rubber side down)

Step 14: Re-connect the MAF sensor plug.

Step 15: Tighten clamps using an 8mm nut driver

Step 16: Install the filter onto the adaptor and tighten with an 8mm nut driver.


**Figure E**

**Refer to Figure E for step 17**

Step 17: Install the housing cover (F) using button head screws (H) and tighten using a 4mm Allen key. Make sure everything is secure and tight. Your installation is now complete.

*NOTE: Retighten all connections after approximately 100-200 miles.*

**NOTE: Place enclosed CARB EO sticker on a clean/smooth surface on or near the intake system. EO identification label is required in passing the smog check inspection.**



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