

advanced FLOW engineering

Instruction Manual P/N: 51/54-76301

Make: **BMW** Model: **M5 (F10)/ M6 (F12/13)** Year: **2012-2016** Engine: **V8-4.4L (tt)**

Make: **BMW** Model: **M6 (F06) Gran Coupe** Year: **2013-2016** Engine: **V8-4.4L (tt)**



- 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.

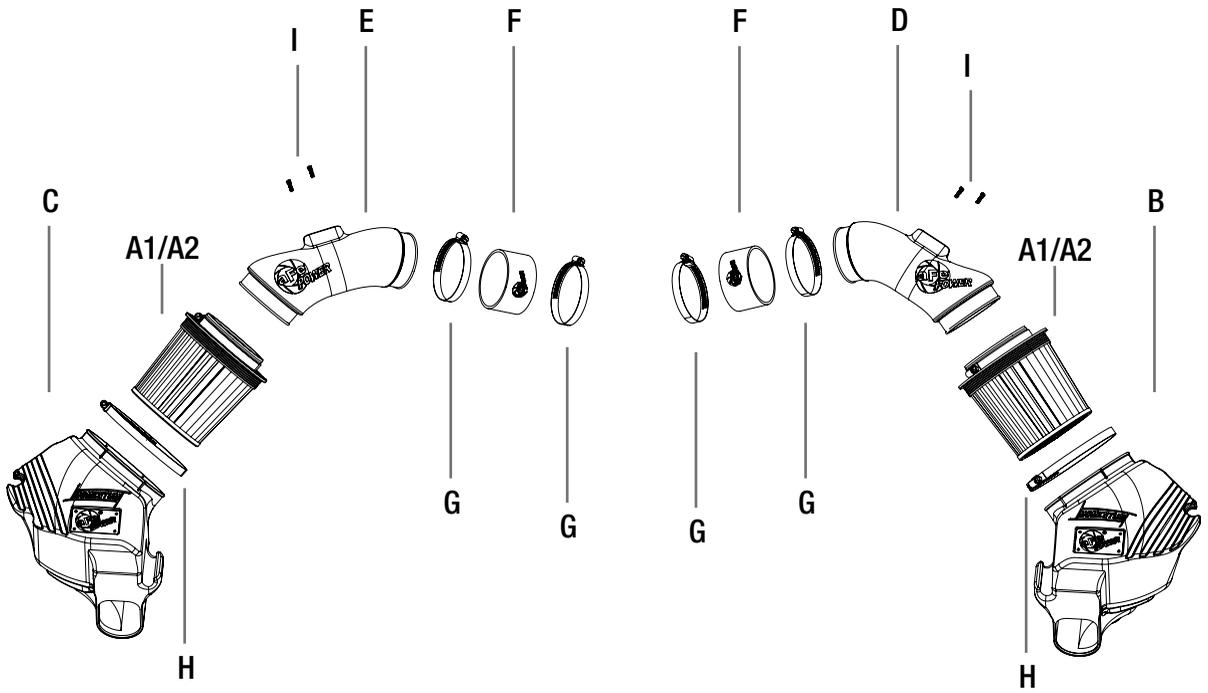
Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	2	Pro DRY S Air Filter	21-91073 (Included in 51-76301)
A2	2	Pro 5R Air Filter	24-91073 (Included in 54-76301)
B	1	Housing Driver Side	05-76301B3
C	1	Housing Passenger Side	05-76301B4
D	1	Tube Driver Side	05-76301B1
E	1	Tube Passenger Side	05-76301B2
F	2	Coupling (3-1/2")	05-01280
G	4	Clamp, 056 (3-1/16" - 4")	03-50009
H	2	Clamp 096 (4-1/2" - 6-1/2")	03-50003
I	4	Screw, Cheese M4	03-50221

Installation will require the following tools:

6mm and 8mm nut driver, T20 and T30 torx bit or driver, flat screw 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 steps 1-3**

Step 1. Disconnect both MAF sensors (on driver and passenger side) ①.

Step 2. Loosen factory clamps on turbo inlet adaptor and unclip hoses from the factory air boxes. ②.

Step 3. With a T30 torx driver, remove the two screws holding the passenger and driver side air boxes (one screw on each air box) ③.



Figure B

Refer to Figure B for steps 4-5

Step 4. Firmly pull the driver side factory air box out of its mounting location and unclip hoses attached to it then remove it as one piece out of the vehicle.

Step 5. Do the same thing with the passenger side factory air box. First pull it out of its mounting location then take it out of the vehicle.



Refer to Figure C for step 6

Step 6. Remove the air inlet factory piece (4) from both factory air boxes and re-install them into the vehicle. Make sure to re-install the one from the driver side on the driver side and the passenger side one on the passenger side.

**Figure D****Refer to Figure D for steps 7-8**

Step 7 Take the factory grommet (5) off the driver side factory airbox and install it on the driver side aFe airbox.

Step 8. Install the furnished large clamp (6) on the aFe air box. Do not tighten yet.

**Figure E****Refer to Figure E for step 9**

Step 9. Repeat the precedent step on the passenger side air box. (The passenger side air box is the one with the cut out on the side)



Figure F

Refer to Figure F for steps 10-11

Step 10. Install the driver side aFe air box into the vehicle by lining it up with the factory air inlet and onto the dome factory grommet. Secure the coolant hose (7) on the aFe housing.

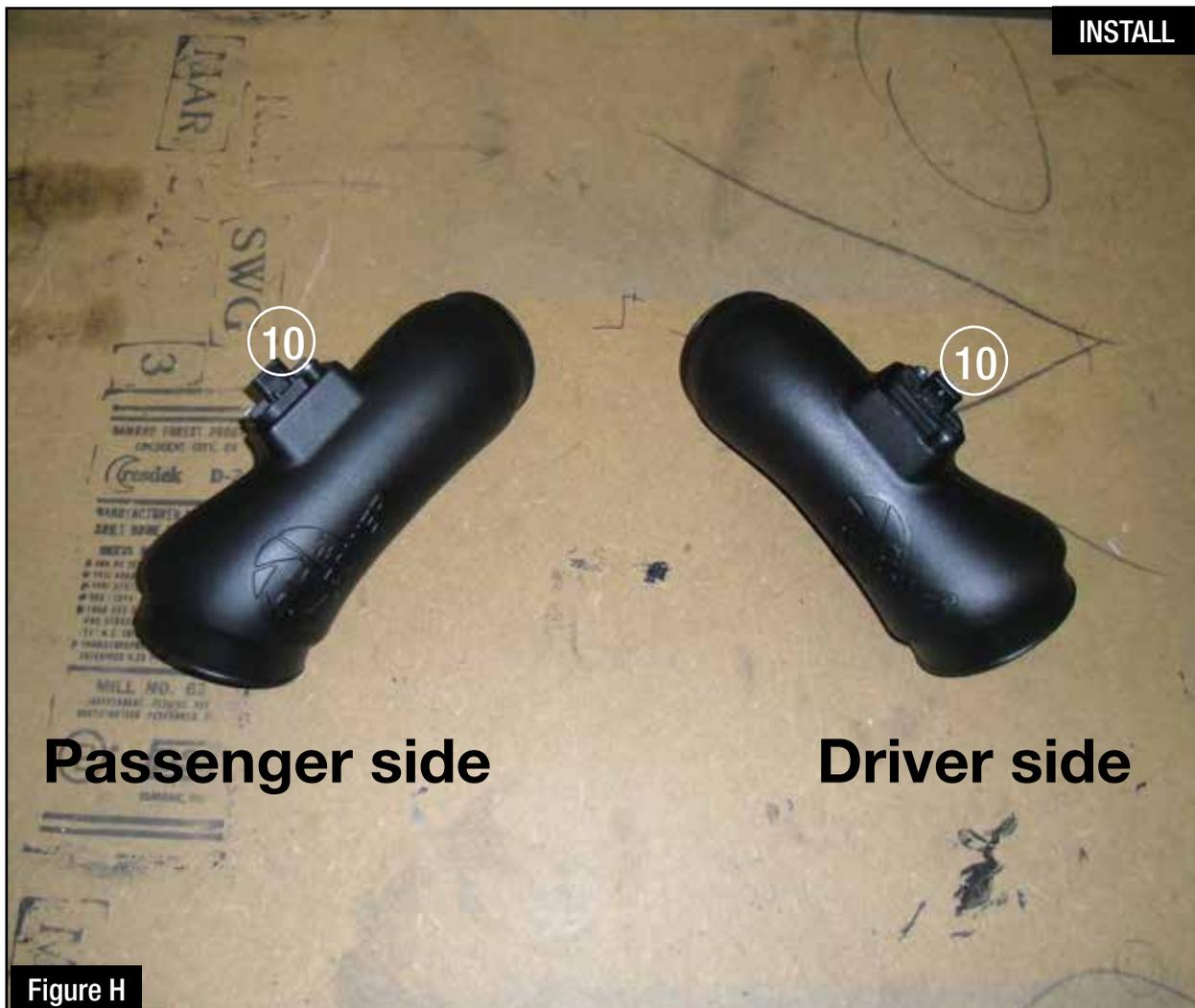
Step 11. Slide the aFe filter (8) into the housing. Do not tighten clamps yet.



Figure G

Refer to Figure G for step 12

Step 12. Install now the passenger side aFe air box the same way and slide the filter (9) in the air box. Do not tighten clamps yet.



Refer to Figure H for step 13

Step 13. After identifying which tube is the driver side one and which tube is the passenger side one.

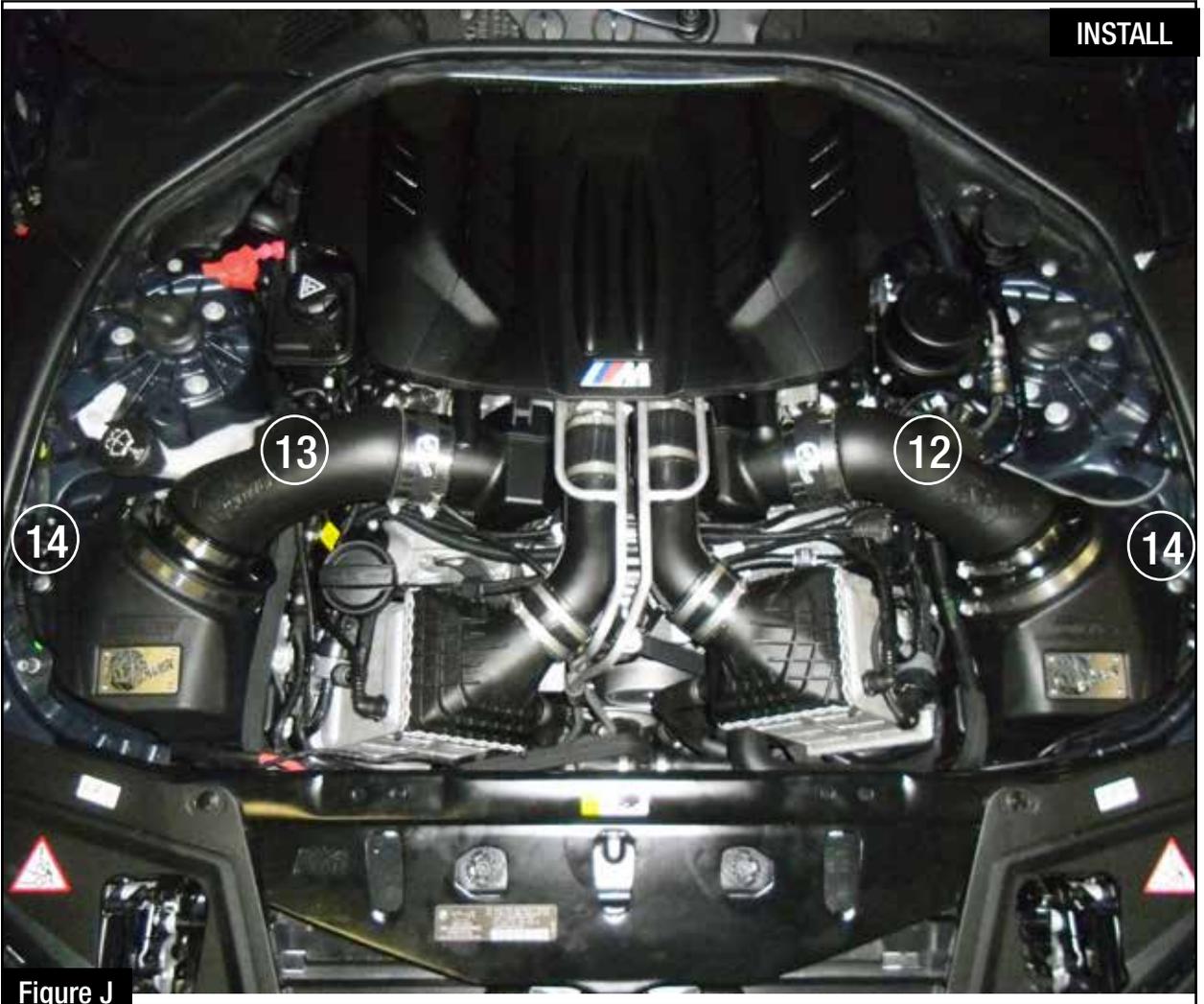
Transfer the MAF sensor ⑩ from the driver side housing to the driver side tube and the one from the passenger side housing to the passenger side tube. Use the provided screws to secured the sensors on the aFe tubes.



Figure I

Refer to Figure I for step 14

Step 14. Install the furnished silicone coupling and clamps ① onto the turbo inlet adaptors. Do not tighten clamps yet.

**Figure J****Refer to Figure J for steps 15-16**

Step 15. Install the driver side tube ⑫ by sliding it into the filters then into the coupling. Repeat the same operation for the passenger side tube ⑬. Make sure not to reverse tube or sensors.

Logo on tubes should be facing upward.

Step 16. Secure both aFe air boxes using factory T30 screws ⑭ remove at step 3.

**Figure K****Refer to Figure K for steps 17-19**

Step 17. Tighten all clamps and screws.

Step 18. Re-connect both MAF sensors ⑮ .

Step 19. Your installation is now completed.

Retighten after approx 100 miles.

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Pro DRY S Air Filter



P/N: 21-91073

Pro 5R Air Filter



P/N: 24-91073

Pro DRY S Restore Kit



P/N: 90-59999

Blue Aerosol Restore Kit



P/N: 90-50001

Blue Squeeze Restore Kit



P/N: 90-50501

aFe Cat-Back Exhaust



P/N: 49-36317-C

aFe Cat-Back Exhaust



P/N: 49-36317-P

Dynamic Air Scoops



P/N: 54-12489-C

Engine Cover



P/N: 79-13002

Sprint Booster



P/N: 77-16304

Module



P/N: 77-46307

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video; please go to aFepower.com.

Warranty

General Terms:

- aFe warrants their products to be free from manufacturer's defects due to workmanship and material.
- This warranty applies only to the original purchaser of the product and is non-transferrable.
- Proof of purchase of the aFe product is required for all warranty claims.
- Warranty is valid provided aFe instructions for installation and/or cleaning were properly followed.
- Proper maintenance with regular inspections of product is required to insure warranty coverage.
- Damage due to improper installation, abuse, unauthorized repair or alteration is not warranted.
- Incidental or consequential damages or cost, including installation and removal of part, incurred due to failure of aFe product is not covered under this warranty.
- All warranty is limited to the repair and/or replacement of the aFe part. To request Return Goods Authorization ("RGA"), email RGA@afepower.com or call (951)493-7100. Upon receipt of the RGA, you must return the product to the address provided in the RGA, freight prepaid and accompanied with a dated proof of purchase and the RGA. Upon receipt of the defective product and upon verification of proof of purchase, aFe will either repair or replace the defective product within a reasonable time, not to exceed thirty days.

Product Category	P/N Prefix	Warranty duration
Direct OE Replacement Filters	10, 11, 30, 31, 71, 73	Life of the vehicle
Racing Filters	18	1 year
Universal	21, 24, 72	2 years
Air Intake Systems	50, 51, 54, 55, 75	2 years
Exhaust Systems	49	2 years
Intercoolers & Intercooler Tubes	46-2	2 years
Intake Manifolds	46-1	2 years
Differential Cover	46-7	Life of the vehicle
Exhaust Manifolds	46	2 years
Throttle Body Spacers	46-3	2 years
Fluid Filters	44	90 days
Pre-Filters	28	2 years
Heavy Duty OE Replacement	70	2 years
PowerSports OE Replacement	81, 87	2 years
PowerSports Intake Systems	85	2 years

No other warranty expressed or implied applies nor is any person or advanced FLOW engineering authorized to assume any other warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.



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