

**advanced FLOW engineering Magnum FORCE Stage-2 Air Intake**  
**Instruction Manual** P/N: 51-82952-B / 54-82952-B / 51-82952-C / 54-82952-C

Make: **BMW** Model: **M3 (E90/E91/E92)** Year: **2008-2013** Engine: **V8-4.0L**



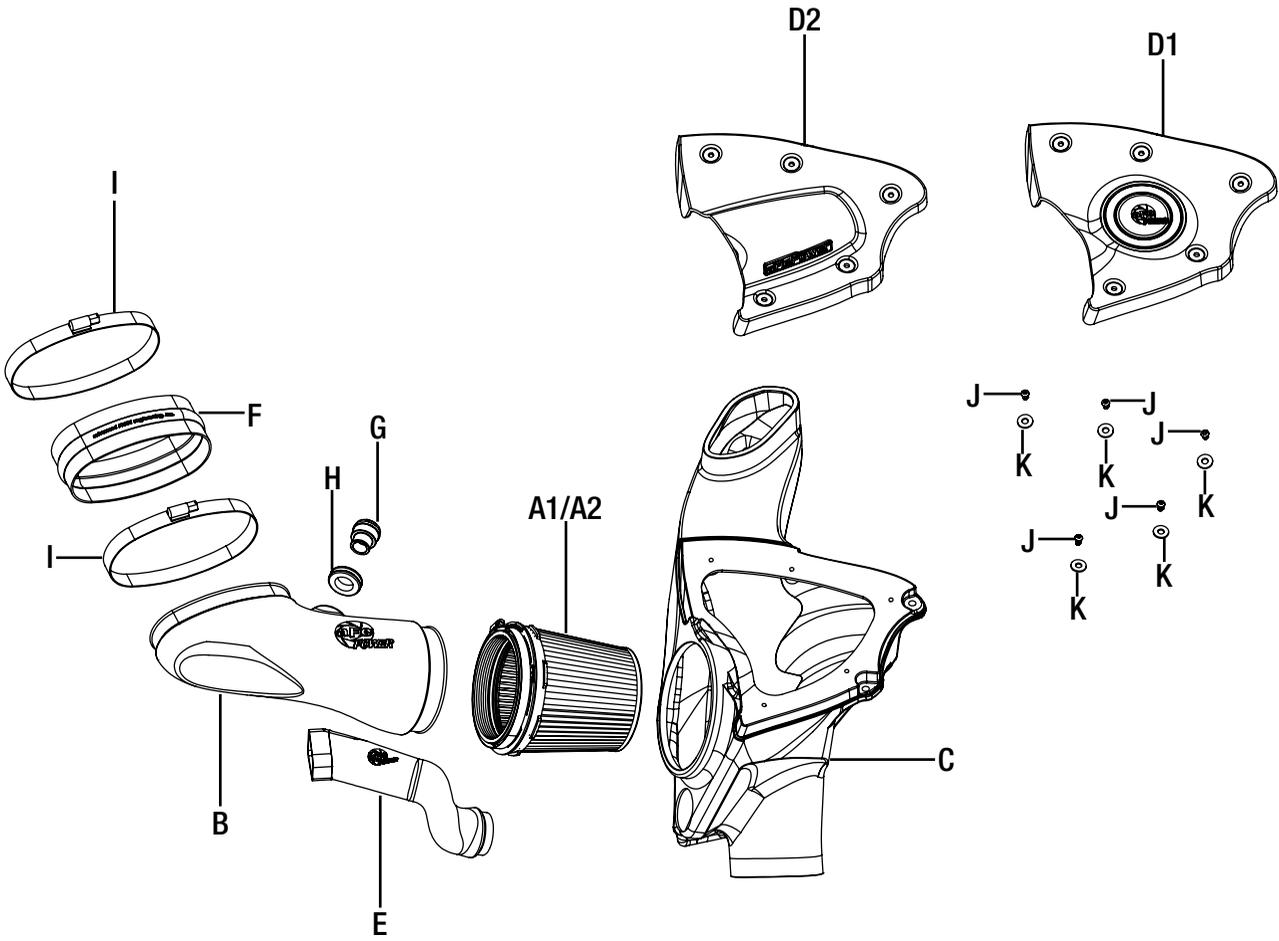
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.

## Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro DRY S)	21-91093
A2	1	Air Filter (Pro 5R)	24-91093
B	1	Tube	05-82952B1
C	1	Housing	05-82952B2
D1	1	Cover, Black	05-82952B3
D2	1	Cover, Carbon Fiber Finish	05-82952C3
E	1	Air Duct	05-82952B4
F	1	Coupling, Silicone Hump	05-01262
G	1	Fitting, Smog Pump	05-01096
H	1	Grommet	03-50139
I	2	Clamp, #104	03-50051
J	5	Screw, Btn Hd: M6	03-50102
K	5	Washer, Flat: M6	03-50070

### Installation will require the following tools:

Flat head screwdriver, 8mm nut driver, 10mm nut driver, 4mm hex key.



**Figure A****Refer to Figure A for Steps 1-4.**

- Step 1: Loosen the clamp at the intake manifold. ①
- Step 2: Disconnect the smog pump hose from the OE intake tube. ②
- Step 3: Remove the two 10 mm bolts on the OE airbox, and keep the bolts for later use. ③
- Step 4: Carefully, remove the OE intake tube, airbox, and scoop from the vehicle.



Figure B

**Refer to Figure B for Steps 5-7.**

Step 5: Install the supplied rubber grommet and smog adaptor into the aFe intake tube. ④

Step 6: Install the tube into the aFe air filter and tighten the clamp. ⑤

Step 7: Slip the supplied coupler over the aFe tube. ⑥

**NOTE:** For an easier install, slide the coupler as far over the tube as possible.



**Refer to Figure C for Step 8.**

Step 8: Insert the aFe filter and tube assembly into the aFe airbox.

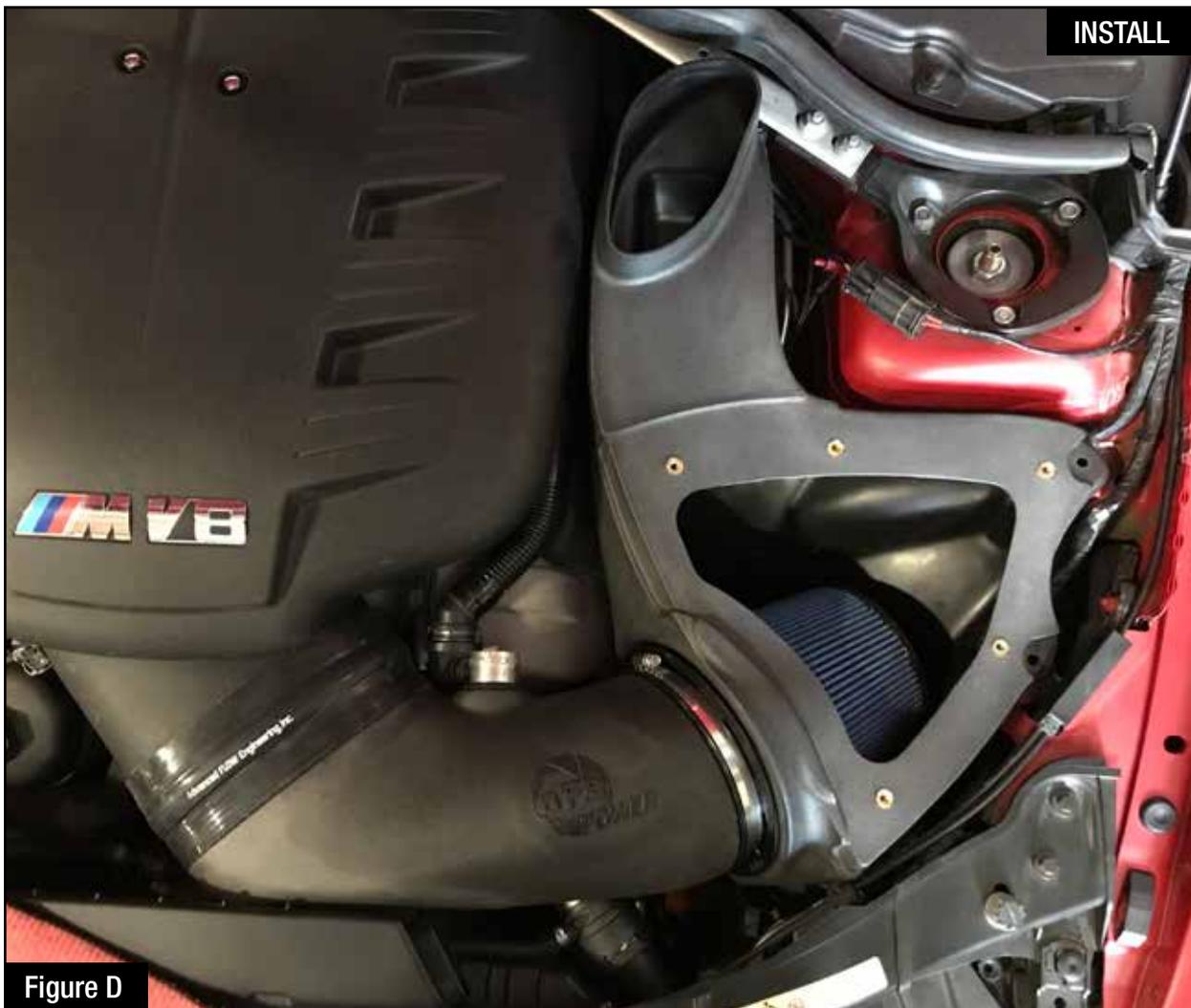


Figure D

**Refer to Figure D for Step 9.**

Step 9: Carefully, guide the intake assembly into the engine bay.

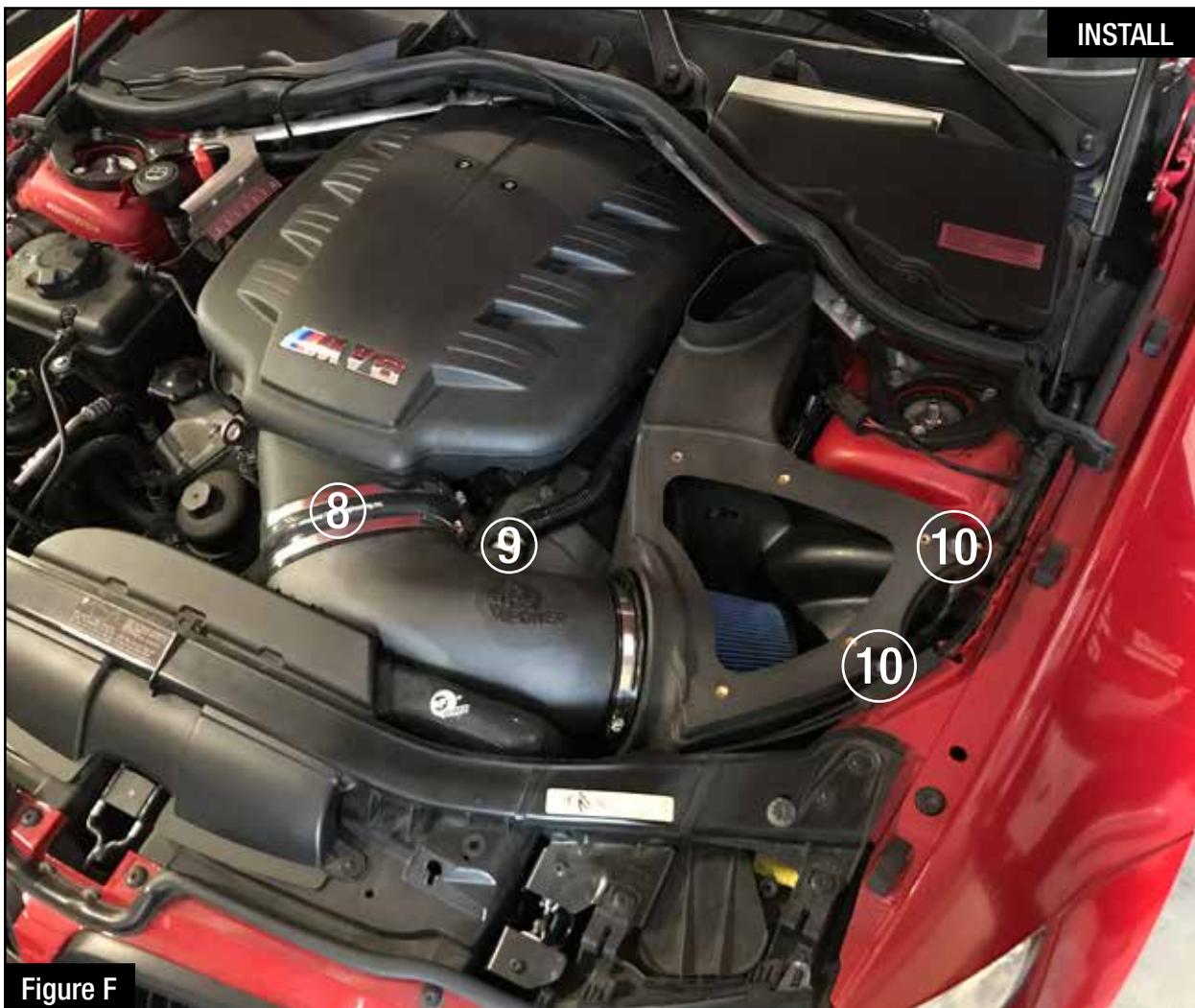
**NOTE:** It may help to install the coupling and tube over the intake manifold without the supplied clamps first.



Figure E

**Refer to Figure E for Step 10.**

Step 10: Install the supplied aFe air duct. Slip the square end into the OE air duct first, then slip the round end of the air duct into the aFe airbox. ⑦

**Figure F****Refer to Figure F for Steps 11-13.**

Step 11: Adjust the aFe intake tube and airbox to sit comfortably, then install the two clamps at the intake manifold. ⑧

Step 12: Connect the smog pump hose to the aFe tube. ⑨

Step 13: Install the two 10 mm OE bolts from Step 3, to secure the aFe airbox in place. ⑩

**Figure G****Refer to Figure G for Step 14.**

Step 14: Install the aFe cover using the supplied M6 screws and washers. Your installation is now complete. Thank you for choosing aFe POWER!

**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.

**NOTE:** Check all bolts, clamps, and connectors after 100-200 miles.

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Pro DRY S Air Filter



P/N: 21-91093

Pro 5R Air Filter



P/N: 24-91093

Pro DRY S Restore Kit



P/N: 90-59999

Blue Squeeze Restore Kit



P/N: 90-50501

SPRINT BOOSTER V3



P/N: 77-16302

Mid-Pipe Exhaust



P/N: 49-36321 (w/ Reso.)  
49-36316 (w/o Reso.)

(Coupe) Axle-Back Exhaust



P/N: 49-36312-C (C/F Tips)  
49-36312-P (Pol. Tips)

(Sedan) Axle-Back Exhaust



P/N: 49-36311-C (C/F Tips)  
49-36311-P (Pol. Tips)

Pulley



P/N: 79-10001

Dynamic Air Scoops



P/N: 54-11478 (Blk.)  
54-11478-R (Red)

aFe POWER T-Shirt



P/N: 40-30442-B (M)  
40-30443-B (L)

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video; please go to [aFePower.com](http://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 nontransferable.
- 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](mailto: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.

<b>Product Category</b>	<b>P/N Prefix</b>	<b>Warranty duration</b>
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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