



advanced FLOW engineering

Instruction Manual P/N: 51-81012-B / 54-81012-B/ 51-81012-C/ 54-81012-C

Make: BMW Model: 3-Series Year: 06-11 Engine: L6-3.0L Non-Turbo



FigureA

Refer to Figure A for Steps 1-4

- Step 1: Remove the air filter housing mounting bolts (2). ①
- Step 2: Disconnect the wiring harness from the MAF sensor. ②
- Step 3: Loosen the hose clamp securing the intake tube to the throttle body
- Step 4: Remove the entire filter housing and intake tube from vehicle.



FigureB

Refer to Figure B for Steps 5-7

- Step 5: Install 2 grommets on aFe housing. ③
- Step 6: Install the aFe housing into the vehicle using the OE mounting bushing.
- Step 7: Secure the housing using the furnished M6 screws and washers. ④
(You will need a wrench to access one of the screws.)



Refer to Figure C for Steps 8-11

Step 8: Remove the MAF sensor from factory filter housing.

Step 9: Install the MAF sensor on aFe tube using furnished gasket and M4 screws.

Step 10: Install the clamp on the end of the tube. (Do not tighten)

Step 11: Install the aFe filter on the tube.



Refer to Figure D for Steps 12-13

Step 12: Install the adaptor on the throttle body.

Step 13: Slide the tube through the housing and install it over the throttle body adaptor.



Refer to Figure E for Steps 14-16

Step 14: Secure tube to housing using M6 screws, flat washers and wavy washers. ⑤

Step 15: Tighten clamp to throttle body spacer. ⑥

Step 16: Re-connect wire harness to the MAF sensor. ⑦



Refer to Figure F for Steps 17-18

Step 17: Install cover on housing using button head screws

Step 18: Reconnect battery cable. Your installation is now complete. Verify all clamps are secure and re-check periodically.



Pro DRY S Air Filter



P/N: 21-91054

Pro 5R Air Filter



P/N: 24-91054

Pro DRY S Restore Kit



P/N: 90-59999

Blue Squeeze Restore Kit



P/N: 90-50501

Blue Aerosol Restore Kit



P/N: 90-50001

aFe Key Chain



P/N: 40-10103

aFe Power Hat



P/N: 40-10083

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.

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

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