

advanced FLOW engineering

Instruction Manual P/N: 54-12392 & 51-12392

Make: **BMW** Model: **3-Series (E36)** Year: **92-99 US/ 92-95 EURO** Engine: **L6**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- 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 5R)	24-45505
A2	1	Air Filter (Pro DRY S)	21-45505
B	1	Tube	05-00956
C	1	Housing	05-12392B1
D	1	Clamp, 056	03-50009
E	3	Screw, Hex Head M6 x 16	03-50052
F	3	Washer Wavy M6	03-50058
G	10	Washer Flat M6	03-50070
H	6	Nut, Hex M6	03-50059
I	4	Screw, Hex Head M6 x 25	03-50114
J	20.25"	Seal Trim 7/16"	05-00072
K	8"	Seal Trim 7/16"	05-00072
L	1	Spacer, Nylon	03-50289
M	1	Nut, Speed 1/4"	03-50354
N	1	Coupling, Adaptor	05-01222

Installation will require the following tools:
 10mm nut driver, 8mm nut driver, 10mm wrench.





Figure A

Refer to Figure A for step 1

Step 1: Disconnect MAF Sensor from the intake tube by removing the two clips ① .



Figure B

Refer to Figure B for step 2

Step 2: Remove the two mounting nuts for the cruise control unit/air box mount (2).

**Figure C****Refer to Figure C for steps 3-5**

Step 3: If your vehicle is equipped with a IAT Sensor, remove the screw holding the IAT Sensor onto the back on the air box ③ and set it out of the way. Save the hardware until later in the installation.

Step 4: Remove the whole air box out of the vehicle.

Step 5: Remove the lower rubber bushing located directly under the OE air box.

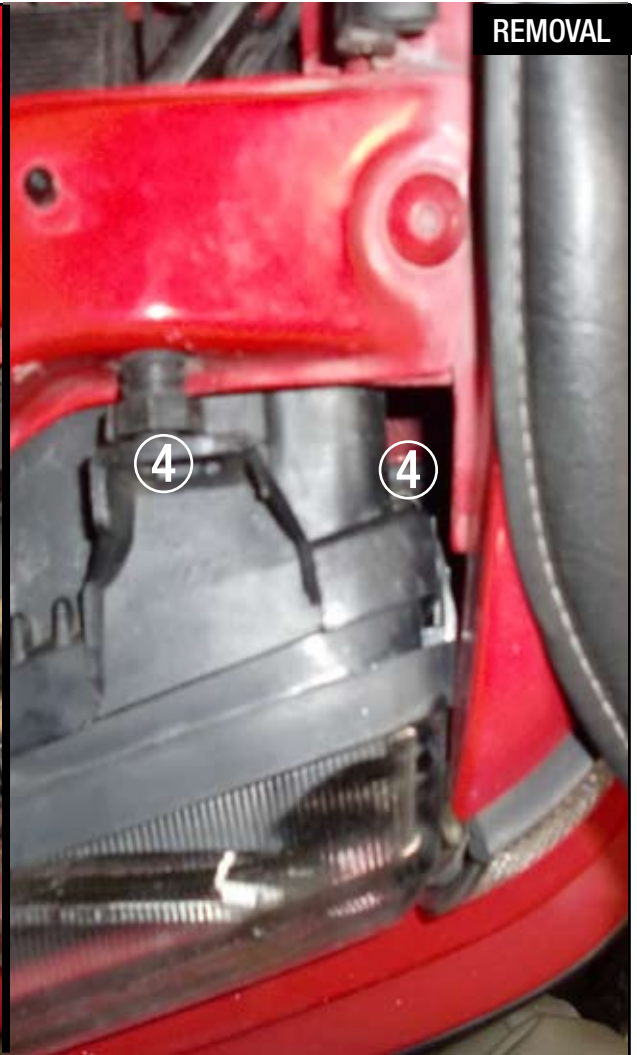


Figure D

Refer to Figure D for step 6

Step 6: In order to access the front housing mount, the driverside headlight will have to be moved out of the way. Remove the mounting screws in the corner of each side (4) and the middle top mounts shown above (4 screws total).

**Figure E****Refer to Figure E for step 7**

Step 7: Slide the headlight out a few inches (like shown above) to gain access to the housing mounting spot ⑤ .



Figure F

Refer to Figure F for steps 8-11

- Step 8: Install the aFe intake tube to the housing using the hardware provided (6) with the flange on the backside of the housing (three nuts, flat washers, wavy washers and 25mm screws).
- Step 9: Install your aFe air filter onto the intake tube (7).
- Step 10: Install both pieces of the provided trim seal as shown above (8).
- Step 11: Place the provided clamp onto the aFe intake tube. Do not tighten (9).

**Figure G****Refer to Figure G for steps 12-14**

Step 12: Lower the aFe housing into position.

Step 13: Mount the aFe housing in the location shown above ⑩. Insert the screw and flat washer through the hole from on the headlight side facing the radiator, then use the provided nut and flat washer to tighten the housing mount (On 96-99 vehicles, use the nylon spacer and 25mm screw, On 92-95 vehicles, use the 16mm screw).

Step 14: Re-install the headlight.

INSTALL



Figure H

Refer to Figure H for step 15

Step 15: Connect the MAF Sensor to the aFe Intake tube and tighten the clamp ⑪.

Note: This intake system fits different engine sizes which have different MAF sensor sizes. If your MAF sensor is way to small to fit into the aFe intake tube, use the provided coupling adaptor to make up the size difference between sensors (See image above for placement, Make sure the flat spot on the coupling is facing the top of the tube).



Figure I

Refer to Figure I for step 16

Step 16: Re-install the factory IAT Sensor into the aFe housing (12) using the factory hardware.



Figure J

Refer to Figure J for steps 17-19

Step 17: Tighten the provided speed nut and flat washer onto the stud located under the intake tube (13).

Step 18: Re-install the cruise control unit with the aFe housing mounts sandwiched between (14) using the two 16mm screws, nuts, four flat washers, and tighten.

Step 19: Your installation is now complete. Please double check all the connections and confirm they are tight. Thank you for choosing aFe Power!



Pro DRY S Air Filter



P/N: 21-45505

Pro 5R Air Filter



P/N: 24-45505

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

Oil Filter



P/N: 44-LF022

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,TF	2 years
Air Intake Systems	50, 51, 54, 55, 75,TR,TA,TL	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
Turbochargers	46-6	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.

