advanced FLOW engineering

Instruction Manual P/N: 77-46301 & 77-46304

Make: **BMW** Model: **335i E90/92/93** Year: **2011-2013** Engine: **L6-3.0L (t) N55**

Also Fits: BMW 135i (E8x)/ 535i (F10)/ X5 35i (E70)/ X6 35i (E71)/ 535i (F07) 11-13 L6-3.0L (t) N55

- **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
A	1	Module (Sensor 1)	77-46301 (For vehicles with sensor 1)
B	1	Module (Sensor 2)	77-46304 (For vehicles with sensor 2)
C	1	Velcro (2 Inches)	05-01244
D	4	Cable Ties	05-60167

Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.

The 2011-2012 BMW's with the N55 engine came with two styles of TMAP and MAP sensors depending on your vehicles producton years. Please use the photos below to determine which style sensors your vehicle is equipped with and confirm you have the correct module.
Note: Installation photos are from a BMW 335i (E90) 11-12 L6-3.0L (t) N55

77-46301 (Sensor Style 1)

77-46304 (Sensor Style 2)

Sensor Style 1 TMAP Sensor

Sensor Style 2 TMAP Sensor

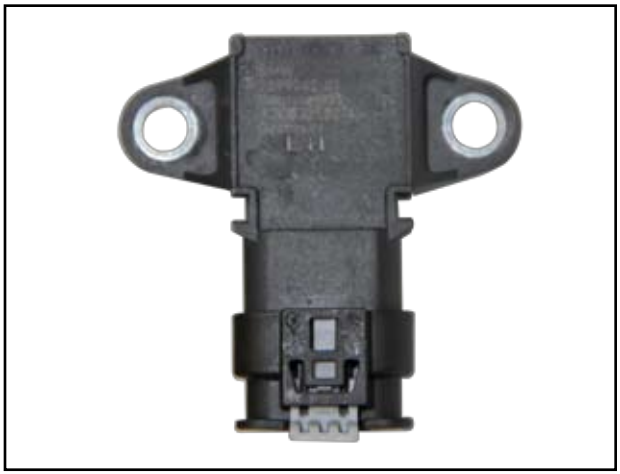

Figure A

Refer to Figure A for step 1

Before installing your aFe module, you will have to place your vehicles ECU in sleep mode. In order to do this you will need to do the following:

- If the engine is cold, open the hood, close the doors, lock the car and wait 30 seconds.
- If the engine is warm, open the hood, close the doors, lock the car and wait 20 minutes.
- If the engine is warm and you can't wait 20 minutes, disconnect the battery.

1. Remove intake system from vehicle (1) to gain access to your sensors.

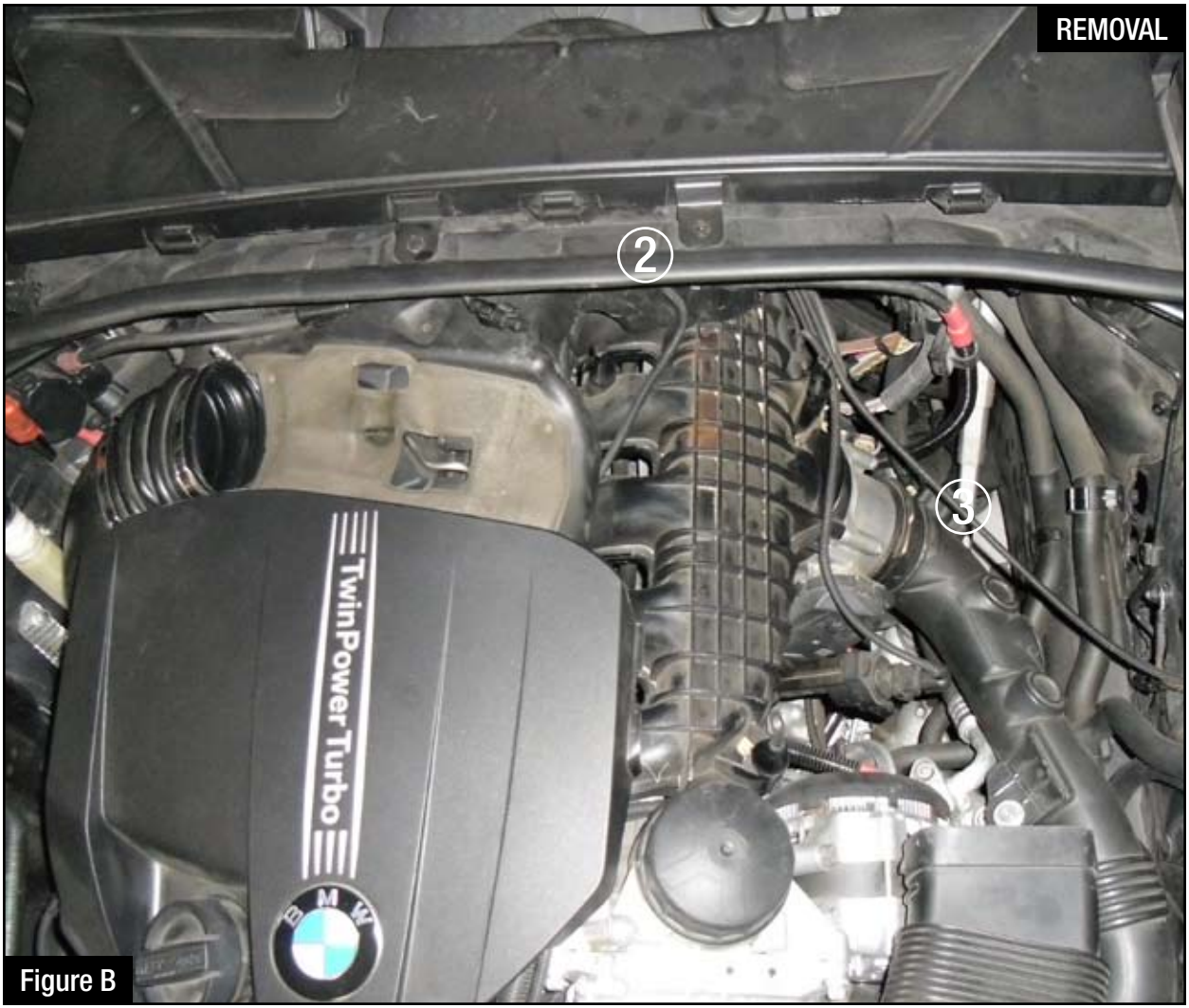

Figure B

Refer to Figure B for steps 2-3

2. Locate your MAP sensor (2) . Your MAP sensor is located on the top of your intake manifold next to a set of wires.

3. Locate your TMAP sensor (3) . Your TMAP sensor is located in front of your throttle body on the charge pipe.

Notice both sensors look very similar MAKE SURE you do not plug the jumper harness into the wrong sensor.

Refer to Figures C & D for steps 4-6

4. Disconnect your MAP sensor (circled in white).

5. Locate your MAP sensor jumper harness on your aFe module. It is a 3 wire harness with tan, black and blue colored wires.

6. Plug the female connector on to the stock engine harness and the male connector to the MAP sensor as shown in Figure D.

Figure E

Refer to Figure E for steps 7-9

7. Disconnect your TMAP sensor (circled in white).
8. Locate your TMAP sensor jumper harness on your aFe module. It is a 4 wire harness with violet and green colored wires.
9. Plug the female connector on to the stock engine harness and the male connector to the TMAP sensor.

Figure F

Refer to Figure F for steps 10-11

10. Route your aFe modules harness then use the supplied cable ties to secure it.
11. Using the supplied high temp velcro, find a clean flat surface and firmly mount the module.

Note: If the sticky side of the velcro ever gets pulled off, replace it with a brand new high temp piece.

Figure G

Refer to Figure F for step 12-13

12. Reinstall your intake system.
13. Your installation is now complete! Thank you for choosing aFe Power!

Air Intake System

P/N: 54-11912

Cat Back Exhaust

P/N: 49-36306

Downpipe

P/N: 48-36302

Throttle Body Spacer

P/N: 46-31007

Dynamic Air Scoops

P/N: 54-11478

OE Replacement Filter

P/N: 30-10205

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,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
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
Tuners	77	Contact aFe

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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