



# Intake Kit Installation Instructions: '99-'06 BMW E46 3-Series

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**Kit Part #51/54-10441** Magnum Force Stage-1 Intake

Make	Year	Engine
BMW		
Model	Year	Engine
323i	'99-'00	L6-2.5L w/M52 Engine
325i	'01-'06	L6-2.5L w/M54 Engine
328i	'99-'00	L6-2.8L w/M52 Engine
X3	'04-'07	L6-2.5L w/M54 Engine

**Kit Part #51/54-10451** Magnum Force Stage-1 Intake

Make	Year	Engine
BMW		
Model	Year	Engine
330i	'01-'06	L6-3.0L w/M54 Engine
325i	'03-'06	L6-2.5L w/ M56 Engine
X3	'04-'06	L6-3.0L w/M54 Engine

**NOTE:** (Applies to 5X-10451)  
Excluding BMW 325i 03-06  
LEV2 SULEV  
Engine Test Group:  
3BMXV02.5M56  
4BMXV02.5M56  
5BMXV02.5M56  
6BMXV02.5M56

### Tools Required:

- 1/4" socket, nut-driver
- 10mm socket or wrench
- Ratchet and extension
- Med flat screwdriver
- 4mm allen wrench

### Part List:

- 1 Air Filter P/N ( #24-91021 or Pro Dry S™ #21-90044 )
- 1 M6 nut
- 1 M6 washer
- 8 M6 x 1 x 10 button head screw
- 2 Spring clips
- 1 Billet adapter
- 1 Cover, aluminum
- 1 Housing

### Step 1



Complete kit with parts.

### Step 2



Complete stock intake.

### Step 3



Remove two screws with 10 mm socket or wrench.

### Step 4



Remove mass flow sensor plug and hose clamp (1/4" nut driver)

### Step 5



Remove OE air box from vehicle.

### Step 6



Remove rubber cushion at bottom of the fenderwell.

### Step 7



Remove the mass flow sensor from OE air box, and carefully pull out o-ring to save and re-use.

### Step 8



Install the billet aluminum adapter to the shield. Use the M6 button heads supplied. Install factory o-ring into billet adapter.

### Step 9



Install mass air flow sensor, tighten clamp with 1/4" nut driver and connect mass flow sensor plug.

### Step 10



Attach supplied spring clips onto mass flow sensor insert hooked end into slotted section on mass flow sensor.

### Step 11



Attach stock intake snorkel onto side of shield,

### Step 12



Install shield into vehicle, attach snorkel, and slip on mass flow sensor and attach spring clips.

### Step 13



Once shield is in place replace the two stock screws **A** & **B** (10mm) and use supplied washer and nut **C** (10mm).

### Step 14



Attach filter to adapter and tighten clamp.

### Step 15



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. Make sure all hoses and clamps are tight and that all electrical components are secure.

Note: Filter Cleaning and Re-oiling: When cleaning your aFe filter, be sure to use only aFe's "Restore Kit" (aFe P/N: 90-50001 blue oil aerosol, or aFe P/N: 90-50501 blue squeeze bottle oil). Filter Replacement: PN: 24-91021 (black w/blue media). **Pro Dry S™** P/N: 21-90044 (black w/white media) **Pro Dry S™** cleaning: see cleaning instruction sheet 06-00074.