



Intake Kit Installation Instructions: 2006-2009 BMW 550i/650ci E60/E63 V8-4.8L

Kit Part #	51-11142		
	54-11142		
Magnum Force Stage-2 Intake			
Make:	BMW		
Model	Year	Engine	
550i	2006-2009	V8- 4.8L	
650i	2006-2009	V8- 4.8L	

Tools Required:
5/16" nut driver
10mm socket w/ extension and ratchet
10mm open/box end wrench
Flat head/slotted screwdriver
5/32" allen wrench
Torx bit T20
Torx bit T25

Part List:
1 Air Filter (replacement <i>ProDRY 5™</i> #21-90044 / #24-91021)
1 Intake tube
1 Housing
1 Cover, Aluminum
1 Reducer coupler (05-00020)
1 Reducer coupler (05-00632)
2 Clamp #072
2 Clamp #060

2 Spacers, nylon
6 Screws, button head
1 Nut, M6
1 Washer, M6
2 Screws MAF Sensor
1 MAF Sensor Gasket
1 Adapter, Injection molded
1 Torx bit, T20



Complete kit with parts.



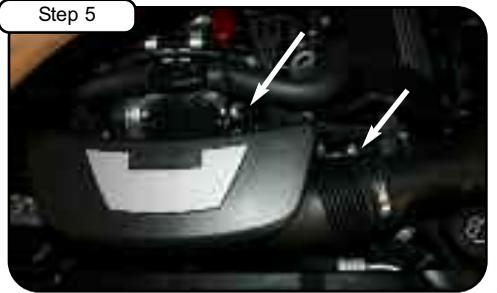
Complete stock intake.



Remove the 4 bolts holding the factory engine cover with 10mm socket w/ ratchet. Remove engine cover.



Remove the MAF sensor cover. Disconnect the MAF harness from sensor.



With 1/4" nut driver loosen the OE intake tube from throttle body and airbox. Remove intake tube out of vehicle.



With T25 torx bit, loosen the 2 bolts that hold the OE airbox in place. Carefully remove the airbox out of vehicle.



With provided T20 torx bit loosen the 2 bolts that hold in the MAF sensor. Carefully remove MAF sensor out.



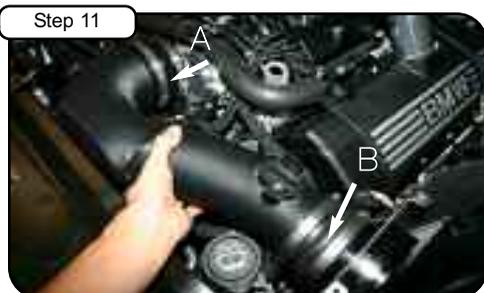
With M4 screws, gasket, and spacers provided, place MAF sensor in to new tube. (make sure gasket is between tube and sensor)



Using a 10mm wrench loosen bolt holding washer fluid reservoir. Place 5 1/2" adapter in to new housing and tighten using button head screws provided with 5/32 allen key. Install housing in to vehicle and re-tighten bolt.



With OE T25 bolt, use to tighten new housing in to place. Tighten at bottom of housing using nut and washer provided with 10mm socket w/ extension.



Place couplers with clamps provided on to tube and install new tube in to vehicle.
A) coupler 05-00020
B) coupler 05-00632



Tighten clamps using 5/16" nut driver.



Re-install OE engine cover.



Place high FLOW filter into housing and tighten using 5/16" nut driver. Install housing cover using the 3 button head screws and tighten using 5/32" allen key.



Your installation is now complete. Thank you for choosing aFe!
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. Retighten all connections after approximately 100-200 miles.

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)

ProDRY 5™ cleaning: see cleaning instruction sheet 06-00074 *ProDRY 5™* P/N 21-90004