



Intake kit Installation Instructions: 2004-2005 BMW 545i / 645Ci V8-4.4L Stage 1

Kit P/N:	51/54-11081	
Make:	BMW	
Model:	Year:	Engine:
545i (E60)	'04-'05	V8-4.4L
645Ci (E63/64)	'04-'05	V8-4.4L

Tools Required:
5/16" nut driver
1/4" nut driver
Flat head screwdriver
10mm socket or extension
T20 torx bit
T30 torx bit
5mm allen key

Parts list:
1 Air filter (Pro-5R™ 24-91021
Pro Dry S™ 21-90044)
1 Housing
1 Cover
1 Coupler, reducer (4-1/4" X 3-1/2")

1 Clamp, #072
1 Clamp, #060
1 Adaptor, filter
6 Button head, screws M6
3 Washer, wavy M6
1 Torx bit, T20



Complete Kit w/ Parts

advanced FLOW engineering™
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Support: 951-493-7100
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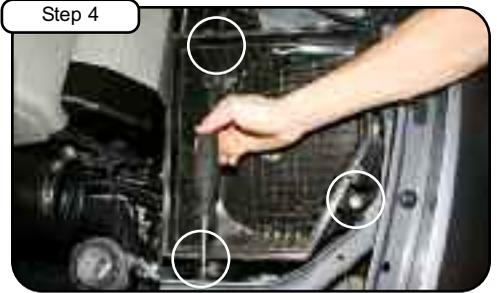
Complete Stock Intake.



Disconnect MAF sensor harness. Loosen clamps with 1/4" nut driver.



Unclip upper half of air box and lift carefully. Pull back MAF sensor from OE tube.



Loosen the 3 bolts holding in bottom half of air box. Take air box out of vehicle.



Remove MAF sensor using T30 torx bit.



Install filter adaptor using 3 button head screws & wavy washers. Tighten using 5mm allen key.



Install coupler reducer to filter adaptor with clamps provided.



With 10mm socket loosen the bolt holding in windshield washer reservoir. Save bolt for later install.



Place MAF sensor into intake tube. (Make sure MAF sensor arrow is in direction towards throttle body.) Now install housing into vehicle. Place other end of MAF sensor into coupler. Do not tighten clamps.



Tighten housing using bolts from step 4 and 8. Tighten all clamps using 5/16" nut driver.



Install air filter and tighten using 5/16" nut driver. Re-connect MAF sensor harness.



Install cover on housing using button head screws provided and tighten using 5mm allen key.



Place enclosed CARB EO sticker on a clean/smooth surface on or near the device. EO identification label is required in passing the Smog Check Inspection. Your installation is now complete. Please check all bolts and clamps periodically. Re-tighten if necessary. Thank you for choosing aFe!

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: **Pro-5R™** 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.
For replacement part(s) or "Restore Kit" please call aFe sales/tech support @ 951-493-7100