



Intake Kit Installation Instructions: 2004-2006 BMW E53 X5 V8-4.4/4.8L

Kit P/N:	Stage 1 51/54-10681
	Stage 2 51/54-10682
	Stage 2 Upgrade 54-10689
Make:	BMW
Model:	Year: Engine:
E53 X5	'04-'06 V8-4.4L
E53 X5	'04-'06 V8-4.8L
Stage 1:	Steps 1-14
Stage 2:	Steps 1-26
Stage 2 Upgrade:	Steps 15-26

Tools Required:
5/16" nut driver
Flat head screwdriver
1/4" nut driver
10mm socket or wrench
Ratchet w/extension
6mm allen key

Parts List: Stage 1
1 Air filter (<i>Pro-5R</i> ™ 24-91031 or <i>Pro Dry 5</i> ™ 21-90045)
1 Housing
1 Coupler, reducer (05-00020)
1 7/16" trim seal @ 34.25" L
1 Adaptor, filter
1 Clamp, #072
1 Clamp, #064
5 Screws, button head M6
1 Filter, breather (18-01004)

2 Washer, flat M6
1 Washer, wavy M6
1 Screw, hex M6
1 Nut, M6
Parts List: Stage 2 Upgrade
2 Clamp, #056
2 Clamp, #060
1 Grommet, rubber
1 Coupler, straight (05-00307)
1 Elbow, coupler (05-01020)
1 5/32" hose @ 8" L

2 Plastic fitting, 3/16"	
1 Tube, intake	
Bonus: Stage 2 only	
1 Air filter <i>Pro Dry 5</i> ™ 21-90045	
1 Restore kit	
1 Pre-filter	
<i>(Stage 2 contains all listed items)</i>	



Complete Stage 2 Kit w/ Parts



Complete Stock Intake.
Disconnect battery before install.



Remove the bolt holding in air box using 10mm socket or wrench. Save for later install (See step 9).



Unclip the two silver retaining clips holding in MAF sensor.



Lift and pull out air box away from MAF sensor and remove.



Remove stock air duct out of vehicle.



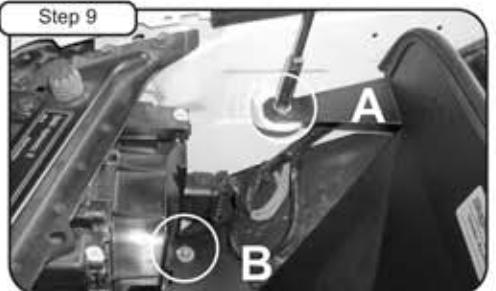
Remove bolt from back of headlight using 5/16" nut driver. Save for later install (See step 9).



Attach filter adaptor to inside of housing and secure using button head screws provided and tighten using 6mm allen key.



Install trim seal to housing.



A) Install housing into vehicle. Secure housing using bolt from step 2. B) Secure bottom of housing to headlight using screw from step 6.



Secure back of housing tab using provided screw, wavy/flat washers and nut. Tighten using 10mm socket or wrench.



Install reducer coupler with clamps provided to adaptor and MAF sensor.



Tighten clamps using 5/16" nut driver.



Install air filter to adaptor and tighten using 5/16" nut driver.



Your **Stage 1** installation is now complete. Make sure you tighten all clamps and check all electrical connections periodically.



For **Stage 2** install, turn page over and continue to page 2. →



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Accessories Available:



Restore Kits

- 90-50001 Blue Aerosol
- 90-50501 Blue Squeeze
- 90-59999 Pro Dry 5™ Cleaner



Pre-filter 28-1015x



Replacement Air Filter:



Pro-5R™ 24-91031 Blue Media

Pro Dry 5™ 21-90045 White Media

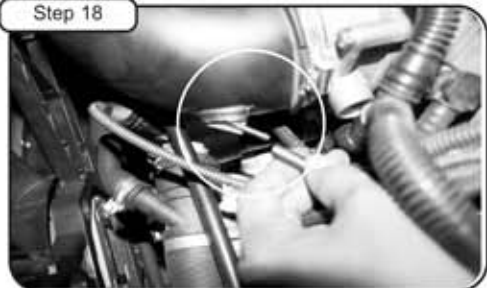
Note: Filter Cleaning and Re-oiling: When cleaning your aFe filter, be sure to use only aFe's "Restore Kit" (aFe P/N: 90-50001 blue oil aerosol, aFe P/N: 90-50501 blue squeeze bottle oil, aFe P/N: 90-59999 Pro Dry 5™ cleaner only.) Pro Dry 5™ cleaning: see cleaning instruction sheet 06-00074. For replacement part(s) or "Restore Kit" please call aFe sales/tech support @ 951-493-7100



Loosen the four bolts holding engine cover using 6mm allen key and remove.



Loosen clamps on stock tube.



Pull vacuum line away from tube.



Remove stock tube from vehicle.



With plastic fitting and hose provided connect the vacuum line disconnected from step 18.



Install grommet to tube. Attach plastic fitting to grommet on tube.



Install elbow coupler to throttle body with clamps provided.



With straight coupler and clamps attach to tube. Install to MAF sensor and elbow coupler and position.



Tighten all clamps using 5/16" nut driver.



Attach vacuum line to fitting on tube.



Your Stage 2 installation is now complete. Make sure you tighten all clamps and check all electrical connections periodically. Thank you for choosing aFe!