

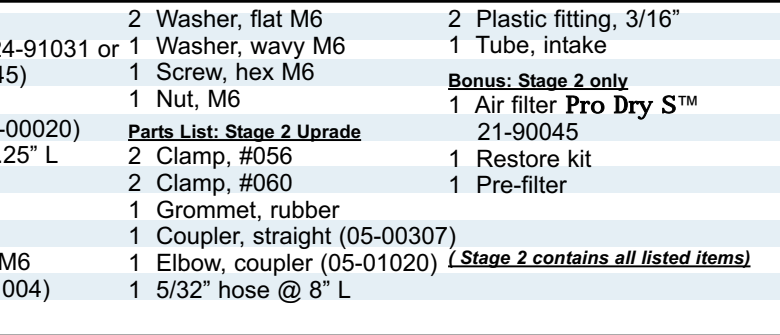


Intake Kit Installation Instructions: 2000-2006 BMW E53 X5 V8-4.4/4.8L

Kit P/N:	Tools Required:
Stage 1 51/54-10681 (Fits '00-'06 4.4L & '04-'06 4.8L)	5/16" nut driver Flat head screwdriver 1/4" nut driver 10mm socket or wrench Ratchet w/extension 6mm allen key
Stage 2 51/54-10682 (Fits '04-'06 4.4L/4.8L)	
Stage 2 Upgrade 54-10689 (Fits '04-'06 4.4L/4.8L)	
Stage 1: Steps 1-14	
Stage 2: Steps 1-26	
Stage 2 Upgrade: Steps 15-26	

Parts List: Stage 1	Parts List: Stage 2 Upgrade
1 Air filter (Pro-5R™ 24-91031 or Pro Dry S™ 21-90045)	2 Washer, flat M6 1 Washer, wavy M6 1 Screw, hex M6 1 Nut, M6
1 Housing	2 Clamp, #056 2 Clamp, #060 1 Grommet, rubber 1 Coupler, straight (05-00307)
1 Coupler, reducer (05-00020)	1 Elbow, coupler (05-01020) <i>(Stage 2 contains all listed items)</i>
1 7/16" trim seal @ 34.25" L	1 5/32" hose @ 8" L
1 Adaptor, filter	
1 Clamp, #072	
1 Clamp, #064	
5 Screws, button head M6	
1 Filter, breather (18-01004)	

Parts List: Stage 2	Bonus: Stage 2 only
2 Washer, flat M6 1 Tube, intake	1 Air filter Pro Dry S™ 21-90045
1 Restore kit 1 Pre-filter	



Complete Stage 2 Kit w/ Parts

advanced FLOW engineering
252 Granite Street
Corona, CA 92879
Support: 951-493-7100
aFepower.com



Step 1
Complete Stock Intake.
Disconnect battery before install.



Step 2
Remove the bolt holding in air box using 10mm socket or wrench. Save for later install (See step 9).



Step 3
Unclip the two silver retaining clips holding in MAF sensor.



Step 4
Lift and pull out air box away from MAF sensor and remove.



Step 5
Remove stock air duct out of vehicle.



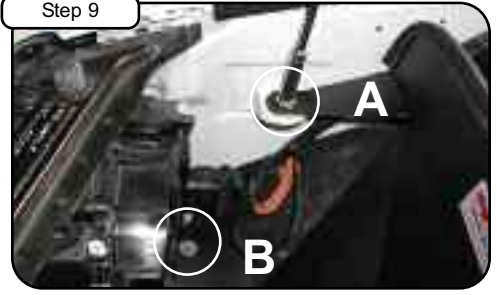
Step 6
Remove bolt from back of headlight using 5/16" nut driver. Save for later install (See step 9).



Step 7
Attach filter adaptor to inside of housing and secure using button head screws provided and tighten using 6mm allen key.



Step 8
Install trim seal to housing.



Step 9
A) Install housing into vehicle. Secure housing using bolt from step 2. B) Secure bottom of housing to headlight using screw from step 6.



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



Step 11
Install reducer coupler with clamps provided to adaptor and MAF sensor.



Step 12
Tighten clamps using 5/16" nut driver.



Step 13
Install air filter to adaptor and tighten using 5/16" nut driver.



Step 14
Place enclosed CARB EO sticker on or near device on a smooth, clean surface. EO identification label is required to pass the smog inspection. Your **Stage 1** installation is now complete. Make sure you tighten all clamps and check all electrical connections periodically.



Step 15
For **Stage 2** install, turn page over and continue to page 2.



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Accessories Available:

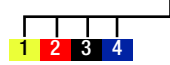


Restore Kits

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



Pre-filter 28-1015x



Replacement Air Filter:



Pro-5R™ 24-91031
Blue Media

Pro Dry S™ 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 S™ cleaner only.) 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

Step 16



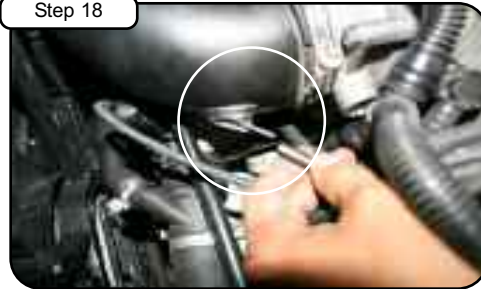
Loosen the four bolts holding engine cover using 6mm allen key and remove.

Step 17



Loosen clamps on stock tube.

Step 18



Pull vacuum line away from tube.

Step 19



Remove stock tube from vehicle.

Step 20



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

Step 21



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

Step 22



Install elbow coupler to throttle body with clamps provided.

Step 23



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

Step 24



Tighten all clamps using 5/16" nut driver.

Step 25



Attach vacuum line to fitting on tube.

Step 26



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

NOTE: Place enclosed CARB EO sticker on or near device on a smooth, clean surface. EO identification label is required to pass the smog inspection.