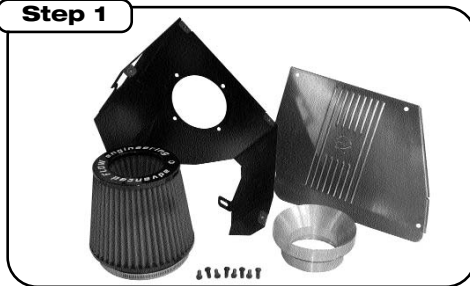




# Intake Kit Installation Instructions: '99-'05 BMW E46 323i/ 325i/ 328i/ 330i L6-2.5L, 2.8L & 3.0L

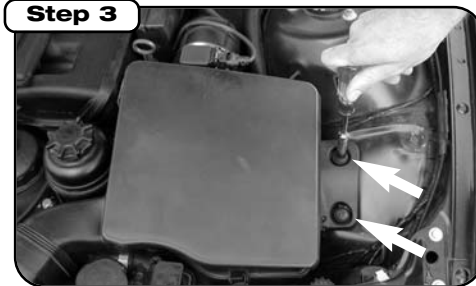
<b>Kit Part #</b>	51/54-10441/10451		<b>Tools Required:</b>	<b>Part List:</b>	
<b>Make</b>	BMW		1/4" socket, nut-driver	1 Air Filter P/N ( #24-91021 or Pro Dry S™ #21-90044 )	
<b>Model</b>	<b>Year</b>	<b>Engine</b>	10mm socket or wrench	1 M6 nut	
323i	'99-'00	L6-2.5L	Ratchet and extension	1 M6 washer	
325i	'01-'05	L6-2.5L	Med flat screwdriver	8 M6 x 1 x 10 button head screw	
328i	'99-'00	L6-2.8L	4mm allen wrench	2 Spring clips	
<b>Kit Part #</b>	51/54-10451			1 Billet adapter	
<b>Model</b>	<b>Year</b>	<b>Engine</b>		1 Cover, aluminum	
330i	'01-'05	L6-3.0L		1 Housing	



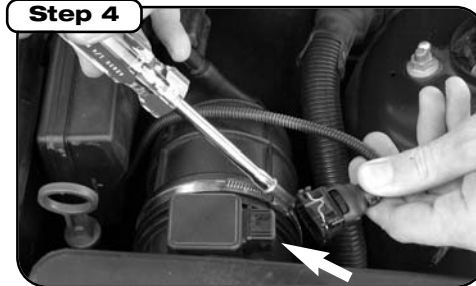
Complete kit with parts.



Complete stock intake.



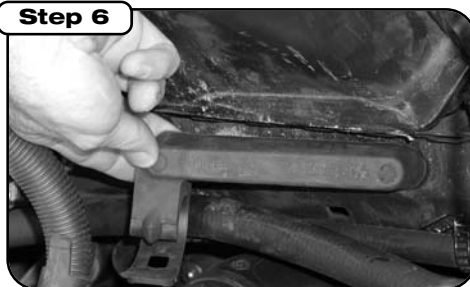
Remove two screws with 10 mm socket or wrench.



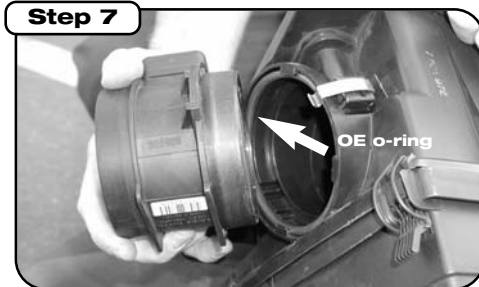
Remove mass flow sensor plug and hose clamp (1/4" nut driver)



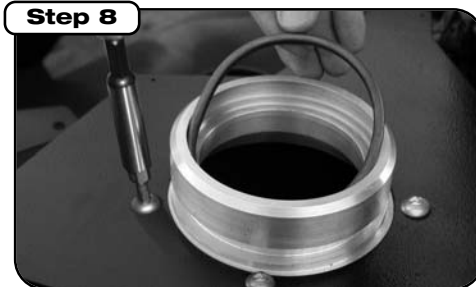
Remove OE air box from vehicle.



Remove rubber cushion at bottom of the fenderwell.



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



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



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



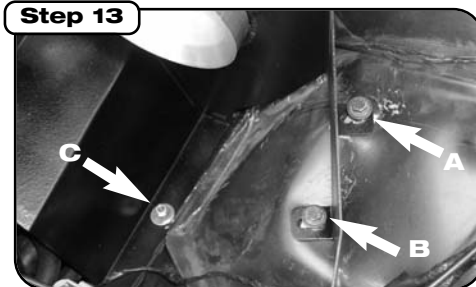
Attach supplied spring clips onto mass flow sensor insert hooked end into slotted section on mass flow sensor.



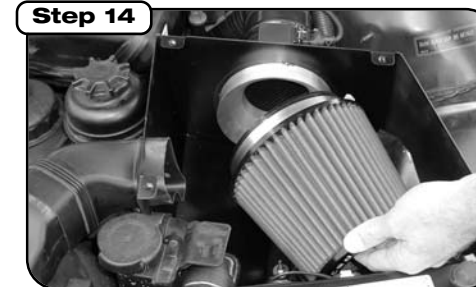
Attach stock intake snorkel onto side of shield,



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



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



Attach filter to adapter and tighten clamp.



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.

Buy quality performance air intake systems in our online store.