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## Intake Kit Installation Instructions: '01-'06 BMW M3 (E46) L6-3.2L

<b>Kit Part #</b>	51/54-10462	<b>Tools Required:</b>	<b>Part List:</b>	25" Seal, Trim 3/4" Bulb, 3/32" Edge Thk
<b>Make:</b>	BMW	1/4" socket, nut-driver	1 Filter part # 24-91038 (Replacement Filter) or Pro Dry S™ 21-50505	2 Clamp, 80
<b>Model</b>	<b>Year</b>	<b>Engine</b>	1 Housing	3 Nut, hex M6 x 1
M3	'01-'06	L6-3.2L	1 Flow Divertor	1 Tube
			1 Coupling, Straight 5"D x 2-1/4"L	2 Screw, Cheese Hd Slot: M4x7x16
			2 M6 x 1 x 10mm button head	2 Screw Hex head M6x1x25
			3 Washer, flat #6	2 Washer, Wavy #6
				1 Gasket, Mass Air Sensor



Step 1 Complete kit with parts.



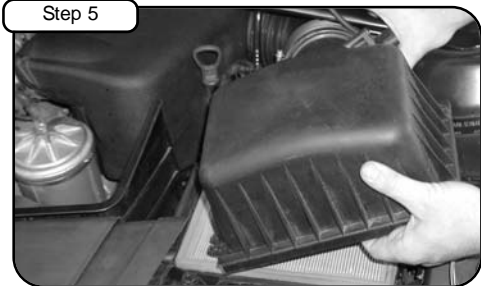
Step 2 Complete stock intake.



Step 3 Remove factory harness from Mass Air Flow sensor and place out of the way until re-assembly.



Step 4 Remove front snorkel from ducting to stock airbox.



Step 5 Using a standard screwdriver loosen the clamp securing intake track to factory airbox. Undo clamps securing top half of airbox and remove top half. Set aside for future removal of stock MAF sensor.



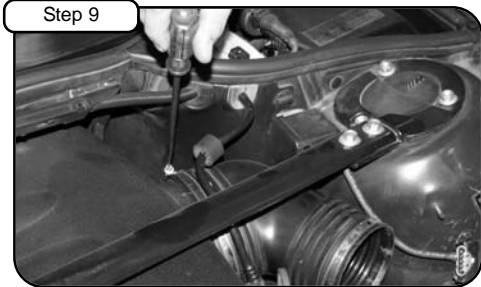
Step 6 Remove plastic cover from headlight controller via locking tabs. Using a 10mm socket, remove the (2) bolts securing controller to allow for its movement and to release lower half of airbox.



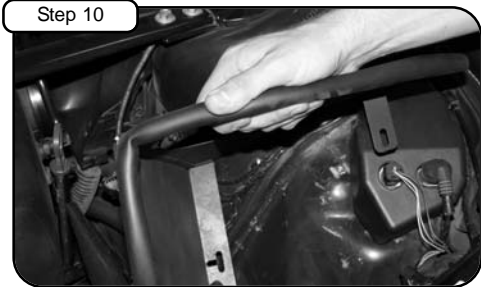
Step 7 Using a 10mm socket remove the remaining bolt holding the factory intake in place, remove the lower half of the intake. Set the bolt aside for re-installation of heat shield.



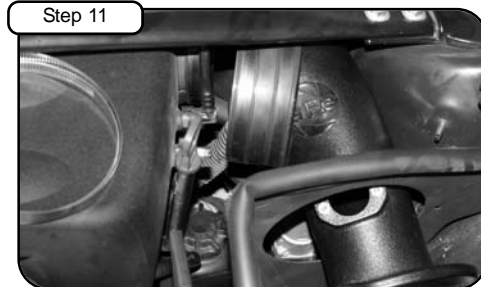
Step 8 Remove rubber mount from tab beneath factory airbox.



Step 9 Remove factory accordion coupler using 1/4" nut driver or flat screwdriver.



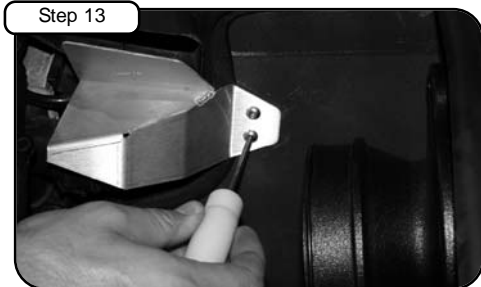
Step 10 Install trim seal on housing and drop housing into vehicle. Do not tighten down housing.



Step 11 Slide coupler onto tube and place tube through housing hole.



Step 12 Align two holes on tube flange to holes on housing. Use provided M6 hardware to mount tube flange to housing.



Step 13 Install Flow divertor onto housing using provided button head screws.



Step 14 Install Mass air flow sensor onto tube using provided gaskets, spacers and screws.



Step 15 Make sure all hoses and clamps are tight and that all electrical components (if applicable) are secure. Check and retighten connections and filter after a few hours of operation.

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: 24-91038 (black w/blue media). Pro Dry S™ P/N: 21-50505 Pro Dry S™ cleaning: see cleaning instruction sheet 06-00074