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Intake Kit Installation Instructions: '97-'03 BMW 540i (E39) V8-4.0L/4.4L

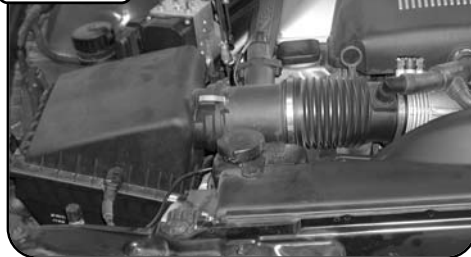
Kit Part #	54-10471	Tools Required:	Part List:	1 Rubber coupler
Make:	BMW	5/16" socket, nut-driver	1 Filter part # 24-91007 (Replacement Filter)	1 #64 clamp
Model:	540i E39	8mm socket or wrench	1 M6 x 1 x 12mm hex head screw	1 #72 clamp
Engine:	V8-4.0L, 4.4L	10mm socket or wrench	1 M6 lock washer	
Year:	1997-2003	Ratchet and extension	1 M6 washer	
		Med flat screwdriver	5 Screw, Btn head M6x1x10	
		4mm allen wrench	1 Billet adapter	
			1 Filter shield	
			1 Rubber grommet	

Step 1



Complete kit with parts.

Step 2



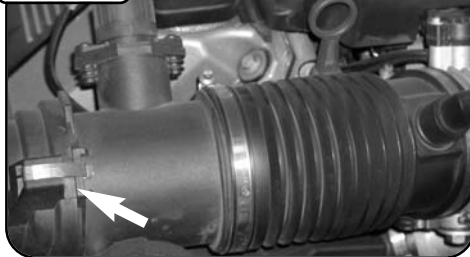
Complete stock intake.

Step 3



Remove temperature sensor from stock air box

Step 4



Remove 2 spring clips that connect the mass flow sensor to the stock air box.

Step 5



Remove bolt with 10mm socket or wrench and remove air box from engine.

Step 6



Assemble billet adapter to shield using 5 button head screws.

Step 7



Insert rubber grommet.

Step 8



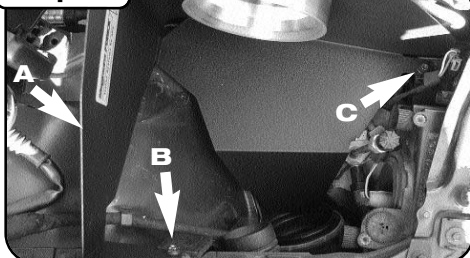
Slip on rubber adapter (do not tighten).

Step 9



Install shield into vehicle.

Step 10



A- Use provided 6mm screw, washer and lock washer (10mm) B Use factory nut (10mm) C Use factory screw (8mm)

Step 11



Tighten down 2 clamps that are used on the rubber adapter.

Step 12



Install temperature sensor.

Step 13



Install trim seal.

Step 14



Install filter.

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: 24-91007 (black w/blue media)