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Intake Kit Installation Instructions: 2002-2004 Mini Cooper S 1.6L 4cyl.

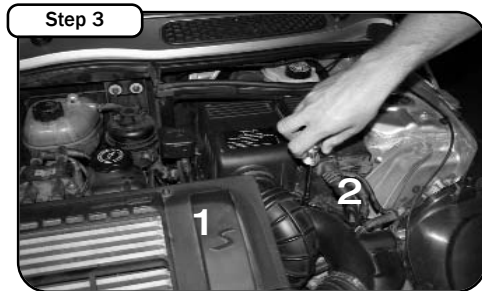
Kit Part #	51/54-10572	Tools Required	Part List:	4 Clamps #044
Make:	Mini	5/16" nut driver or slotted screwdriver	1 Air filter (replacement # 24-90034) or Pro Dry S™ 21-90034	1 Trim seal (8.5)
Model:	Cooper S	10mm socket or wrench	1 Intake Housing	1 Isolation Mount
Engine:	1.6L L4	Ratchet and extension	1 Housing Lid	2 1/4" washers
Year:	2002-2004		2 Intake tube	2 1/4-20 nuts
			2 Spacer	
			2 Button Head Screw	
			1 Coupler 2-3/4"x1-3/4"	
			1 Coupler 2-1/2"x2"	



Step 1
 Complete intake system. Please verify all parts are present prior to installation.



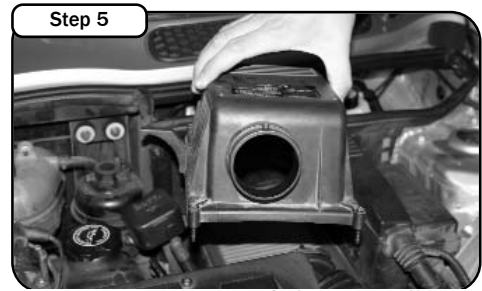
Step 2
 Stock intake system.



Step 3
 Remove the two screws securing the upper half of the air box. Set screws to the side for later use.



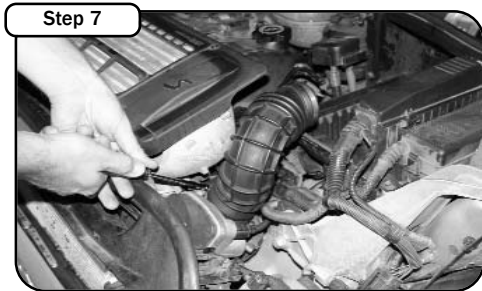
Step 4
 Remove the positive terminal from the side of the air box. Lift up and out and carefully set to the side.



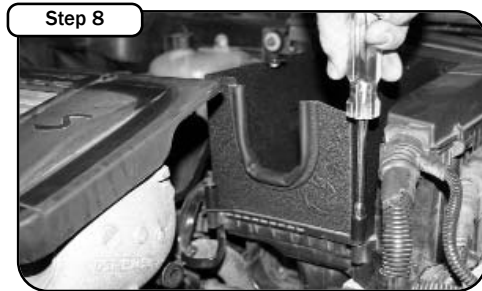
Step 5
 Remove the band clamp on the OE intake tube. Lift up and remove the top portion of the air box. Remove the OE air filter from the air box.



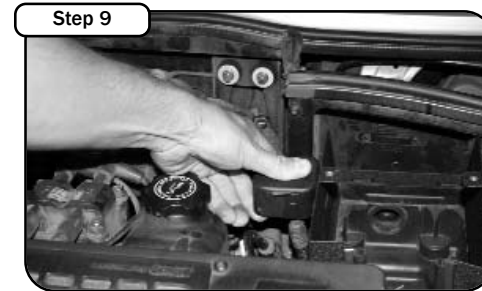
Step 6
 Remove the OE intake duct, set to the side for later use.



Step 7
 Remove the breather hose on the OE intake tube. Remove band clamp and remove the OE intake tube from the engine.



Step 8
 Place the rubber trim seal along the inner edge of the housing, secure the housing to the lower half of the air box. Secure with the screws removed in step 3. Use the supplied spacers when reinstalling the screws.



Step 9
 Re attach the battery terminal to the housing using the supplied tab.



Step 10
 Slide the smaller coupler and clamps over the throttle body. Insert the intake tube with the breather nipple in the coupler. Re connect the breather hose to the nipple.



Step 11
 Install the rubber isolation mount on the side of the housing. Use the supplied washers and nuts. Re-install the OE intake duct.



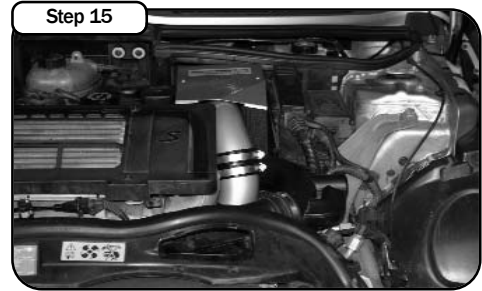
Step 12
 Install the pre oiled air filter on the intake tube. Slide the coupler and clamps on the intake tube. Do not tighten clamps at this time.



Step 13
 First place the tube in the housing and secure to the isolation mount. Second slide the coupler over the intake tube. Tighten clamps and secure tube to housing with supplied nut and washer.



Step 14
 Place the housing lid over the housing, secure with the supplied button head screws.



Step 15
 Your installation is now complete. Check all clamps and electrical connections. Re check periodically.

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 or aFe P/N: 90-50000 gold oil aerosol, or aFe P/N: 90-50500 gold squeeze oil).
 Filter Replacement: Magnum FLOW PN: 24-90034. **Pro Dry S™** P/N: 21-90034 (black w/white media) **Pro Dry S™** cleaning: see cleaning instructions 06-00074