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 Support: 951-493-7100  
 www.aFeFilters.com

# Intake Kit Installation Instructions: '02-'05 Audi A4 L4-1.8L (t)

<b>Kit Part #</b>	51/54-10322	<b>Tools Required:</b>	1 Coupling, Reducer (2-3/4" x 1-3/4")	1 Fuel Hose 3/8"D x 3"L
<b>Make:</b>	Audi	5/16" nut driver or slotted screwdriver	1 Clamp #44	1 Fuel Hose 3/8"D x 9"L
		10mm socket or wrench	1 Clamp #32	1 Fuel Hose 3/8"D x 22"L
<b>Model</b>	<b>Year</b>	<b>Engine</b>	3 Clamp, Mini #8	3 Elbow: 3/8"
A4	'02-'05	L4-1.8L (t)	3 Clamp, Mini #16	5 Grommet, Air temp sensor
			3 Screw, Button Head, M6x1x10	1 Reduced Barb fitting (1/2" x 1")
			1 Screw, Hex Head, M6x1x25	1 Reduced Barb Fitting (1/2" x 1") Shortened 1.5"
			1 Nut, M6x1	1 1"F x 2"B x 2"T(Chr) x 1-1/2"H
			1 Washer, Flat, M6	
			1 Washer, Wavy, M6	
			2 Screw, Cheese Hd Slot M4x.7x16	
			1 Gasket Mass Sensor	
		<b>Part List:</b>		
		1 Air filter (replacement # 24-38505) or Pro Dry S™ 21-38505		
		1 Housing		
		1 Housing Cover		
		1 Tube, Rotomold		



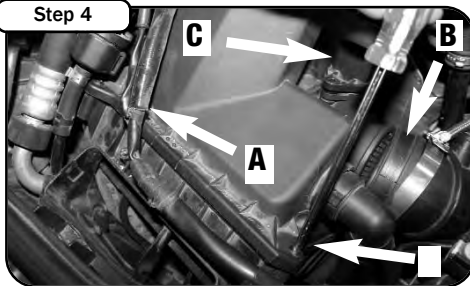
**Step 1**  
 Complete kit. Make sure you have all the components before you begin your installation.



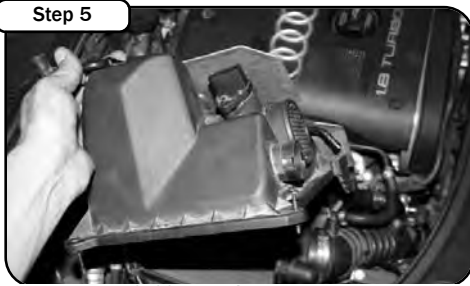
**Step 2**  
 Complete stock intake.



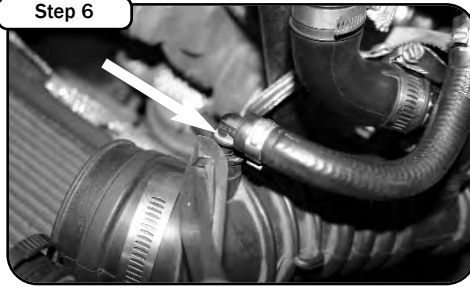
**Step 3**  
 a. Remove two screws holding factory fresh air duct in place.  
 b. Pull fresh air duct out of vehicle and save for later use



**Step 4**  
 a. Remove two screws holding top half of airbox in place.  
 b. Loosen clamp holding factory tube in place.  
 c. Unplug MAF Sensor



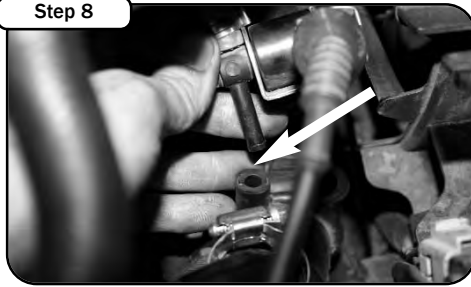
**Step 5**  
 Remove top half of factory airbox



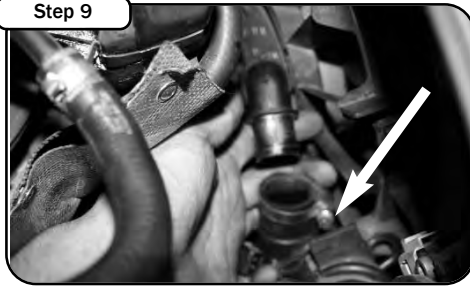
**Step 6**  
 Remove clamp holding top breather filter on factory tube.



**Step 7**  
 Remove clamps holding second breather from top of factory tube. Save elbow for later use.



**Step 8**  
 Remove clamps holding third breather filter from top of factory tube. Plug can be disconnected for ease of removal.



**Step 9**  
 Loosen clamp holding fourth breather down from top of tube with slotted screwdriver.



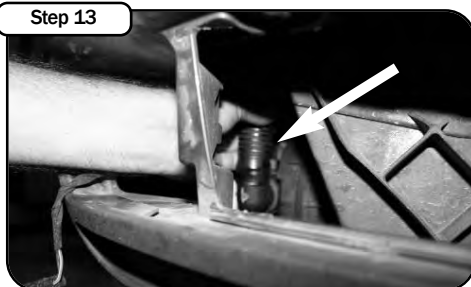
**Step 10**  
 Loosen clamp at turbo and last breather tube. Pull factory tube out of vehicle.



**Step 11**  
 Pull off front grill near Passenger side fog lamp.



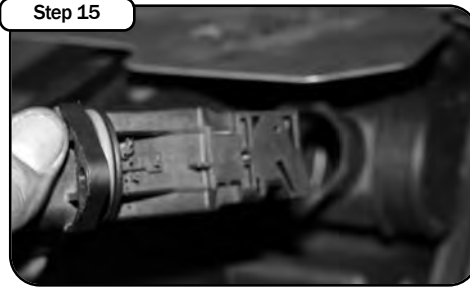
**Step 12**  
 Remove fog light from vehicle



**Step 13**  
 Disconnect Air pump hose at pump.



**Step 14**  
 Remove fitting from air pump hose and install provided breather filter. Install filter onto air pump and replace fog lamp and grill.



**Step 15**  
 Remove MAF Sensor from top half of air box.

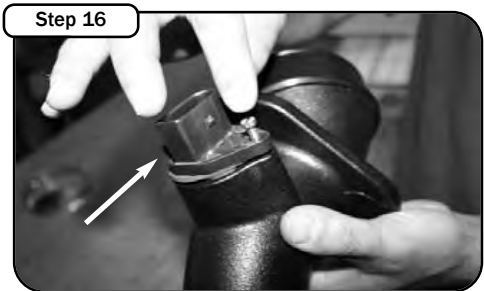
Note: Filter Cleaning and Re-oiling: When cleaning your aFe filter, be sure to use only aFe's "Restore Kit" (aFe P/N: 90-50001 blue oil aerosol, or aFe P/N: 90-50501 blue squeeze bottle oil or aFe P/N: 90-50000 gold oil aerosol, or aFe P/N: 90-50500 gold squeeze oil).  
 Filter Replacement: Magnum FLOW PN: 24-38505 (black w/blue media). Pro Dry S™ P/N: 21-38505 Pro Dry S™ cleaning: see cleaning instruction sheet 06-00074



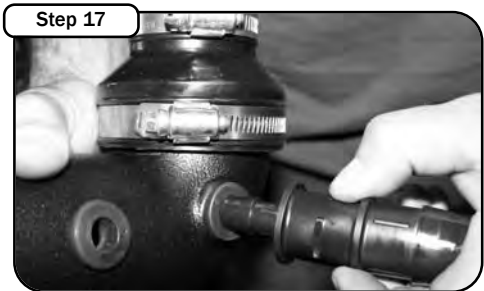
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<b>Kit Part #</b> 51/54-10322	<b>Tools Required:</b> 5/16" nut driver or slotted screwdriver 10mm socket or wrench Ratchet and extension 1/4" nut driver or slotted screwdriver	1 Coupling, Reducer (2-3/4" x 1-3/4")	1 Gasket Mass Sensor
<b>Make:</b> Audi	<b>Part List:</b> 1 Air filter (replacement # 24-38505) or Pro Dry S™ 21-38505 1 Housing 1 Housing Cover 1 Tube, Rotomold	1 Clamp #44 1 Clamp #32 3 Clamp, Mini #8 3 Clamp, Mini #16 3 Screw, Button Head, M6x1x10 1 Screw, Hex Head, M6x1x25 1 Nut, M6x1 1 Washer, Flat, M6 1 Washer, Wavy, M6 2 Screw, Cheese Hd Slot M4x.7x16	1 Fuel Hose 3/8"D x 3"L 1 Fuel Hose 3/8"D x 9"L 1 Fuel Hose 3/8"D x 22"L 3 Elbow: 3/8" 5 Grommet, Air temp sensor 1 Reduced Barb fitting (1/2" x 1") 1 Reduced Barb Fitting (1/2" x 1") Shortened 1.5" 1 1"F x 2"B x 2"T(Chr) x 1-1/2"H
<b>Model</b> A4	<b>Year</b> '02-'05	<b>Engine</b> L4-1.8L (t)	



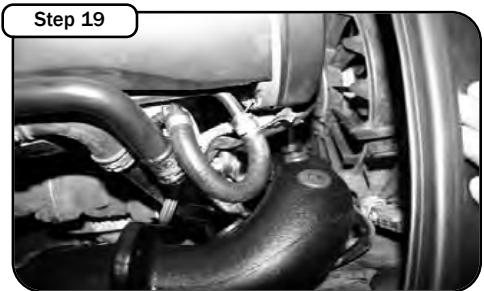
**Step 16**  
 Using provided Gasket and (2) M4x.7x16 screws install MAF Sensor onto aFe intake tube.



**Step 17**  
 Install install reducer coupler onto tube using provided clamps (#32, #44). Install two reduction fittings. Install (5) provided grommets into tube. Install larger reduction fittings onto grommet near turbo coupling. Install shorter reduction fittings on grommet nearest the MAF Sensor



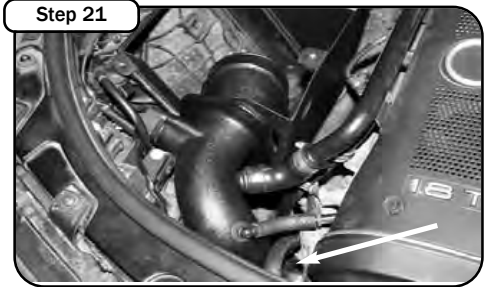
**Step 18**  
 Place aFe housing and tube into vehicle. Align housing clip on base and align sides of housing to airbox.



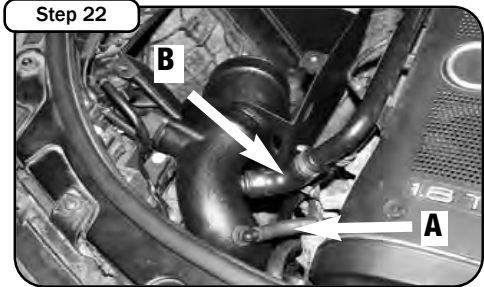
**Step 19**  
 Slide tube coupling onto turbo. Tighten clamp at turbo end with 5/16" Nut driver. Install lowest breather onto large reduction barb fitting. Use provided #16 mini clamp.



**Step 20**  
 Use provided 8.5"L x 3/8" hose with 3/8" elbow and clamp. Install onto second from bottom fitting. Tighten clamp onto factory switch valve. Verify plug is reconnected.



**Step 21**  
 Install provided 22 "L x 3/8"D hose with 3/8" elbow onto third from bottom fitting. Route hose towards firewall area and clamp hose onto fitting.



**Step 22**  
 Install provided 3"L x 3/8"D hose with 3/8" elbow onto forth from bottom fitting. Install factory elbow onto last fitting, use provided clamp to tighten down to factory metal tube.



**Step 23**  
 Align tube to housing and use provided M6x1x25 screw, M6 flat washer, M6 wavy washer, and M6 nut.



**Step 24**  
 Re connect MAF Sensor plug



**Step 25**  
 Install high flow aFe air filter. Tighten down clamp using 5/16" Nut driver



**Step 26**  
 Install aFe cover using (3) M6x1x10 button head screws.



**Step 27**  
 Install factory fresh air duct and tighten down two screws securing it to the core support.



**Step 28**  
 Your installation is now complete. Make sure you check that all clamps and electrical connections are tight. 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: 90-50001 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: 24-38505 (black w/blue media). Pro Dry S™ P/N: 21-38505 Pro Dry S™ cleaning: see cleaning instruction sheet 06-00074