

# Intake Kit Installation Instructions: '02-'05 Audi A4 L4-1.8L (t) Stage-2



252 Granite St.  
Corona, CA 92879  
Support: 951-493-7100  
www.aFePower.com

|                   |             |               |
|-------------------|-------------|---------------|
| <b>Kit Part #</b> | 51/54-10322 |               |
| <b>Make:</b>      | Audi        |               |
| <b>Model</b>      | <b>Year</b> | <b>Engine</b> |
| A4                | '02-'05     | L4-1.8L (t)   |

|  |
|--|
| <b>Tools Required:</b>                                       |
| 5/16" nut driver or slotted screwdriver                      |
| Ratchet and extension  |
| 1/4" nut driver or slotted screwdriver                       |
| <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 Coupling, Reducer (2-3/4" x 1-3/4") |
| 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 Gasket, Cheese Hd Slot M4x.7x16     |
| 1 Gasket Mass Sensor                  |

|   |
|---|
| 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"                                     |
| 3 Grommet, Air temp sensor #1 (Pre-installed)     |
| 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                  |
| 2 Grommet, Air temp sensor #2 (Pre-installed)     |



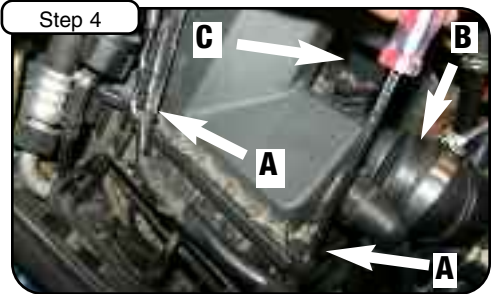
Step 1 Complete kit. Make sure you have all the components before you begin your installation.



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



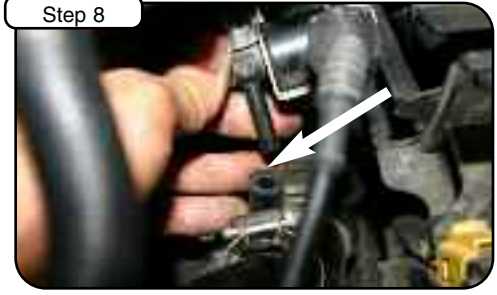
Step 5 Remove top half of factory airbox



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.



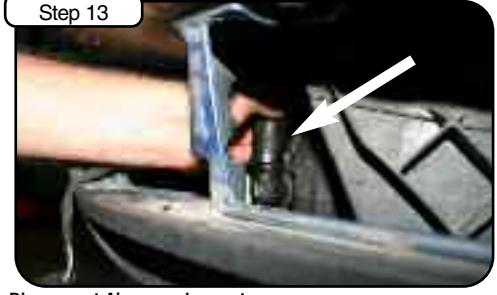
Step 10 Loosen clamp at turbo and Last breather tube. Pull factory tube out of vehicle.



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 the provided breather filter. Install the filter onto the air pump and reinstall 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 P/N: 21-38505 Pro Dry cleaning: see cleaning instruction sheet 06-00074



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



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



Install provided reducer coupler onto tube using provided clamps. Install two reduction fittings. Install larger reduction fittings onto grommet near turbo coupling. (Note: Use a lubricant to aid with installation) Install shorter reduction fittings on grommet nearest the MAF Sensor.



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



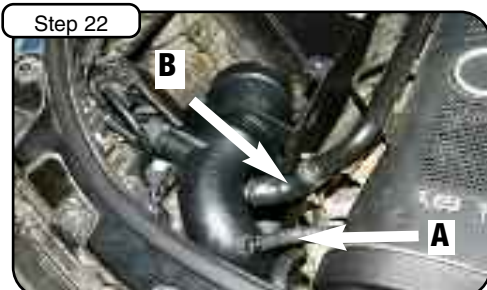
Slide tube coupling onto turbo. Tighten clamp at turbo end with 5/16" Nut driver. Install lowest breather onto large reduction barb fitting. Use provided #16 mini clamp.



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.



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.



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.



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



Re connect MAF Sensor plug



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



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



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



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. 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: 90-50501 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