



TYPHOON INTAKE SYSTEMS

INTAKE SYSTEMS FOR VEHICLES LISTED ARE 50 STATE LEGAL. SEE KNFILTERS.COM FOR CARB STATUS ON EACH PART FOR A SPECIFIC VEHICLE.

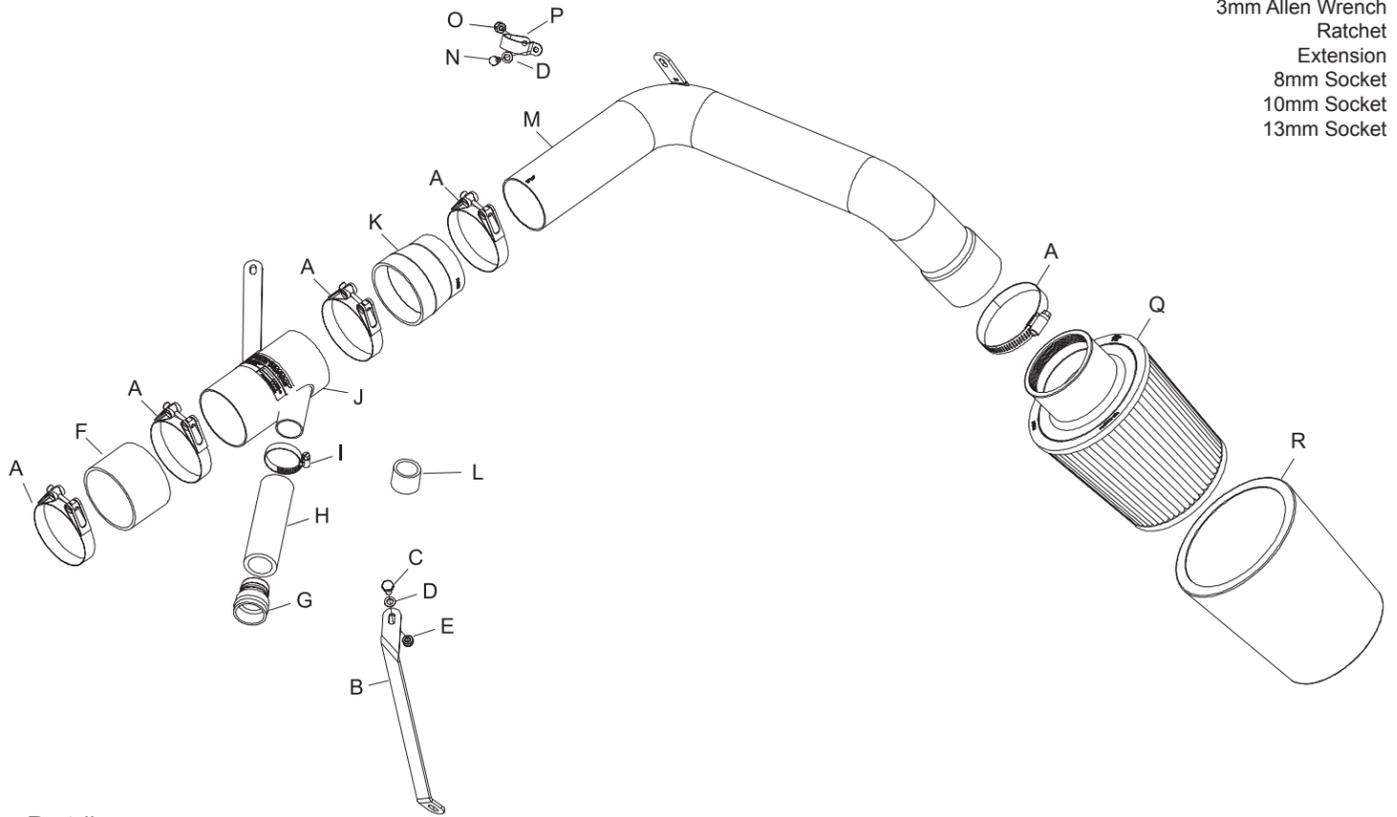
INSTALLATION INSTRUCTIONS

69-9501TP
69-9501TB
VOLKSWAGEN
2000-05 Golf
L4-2.0L
2001-05 Golf GTI
L4-1.8L Turbo
2000-04 Jetta
L4-1.8L / 2.0L Turbo

NOTE: Excluding Jetta 2003-04
LEV2 SULEV Engine Test Groups
3VWXV02.0227 and 4VWXV02.0227

TOOLS NEEDED:

- Flat Blade Screwdriver
- Phillips Screwdriver
- 3mm Allen Wrench
- Ratchet
- Extension
- 8mm Socket
- 10mm Socket
- 13mm Socket



PARTS LIST

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A Hose Clamp #44	5	08560	G Adaptor; 1-1/8" Quick Connect	1	088012	M Tube; "B" 2-3/4"OD x 23"L	1	27167
B Bracket; STL; FB/PC	1	010048	H Hose; 1" x 4-1/2", Blk.	1	084084	N Bolt; M5-0.8 x 10mm, B/H/A	1	07734
C Bolt; M6-1.00 x 16mm, SS	1	07812	I Hose Clamp #16 Mini	1	08427	O Nut; M5-0. nylock, SS	1	07507
D Washer; 6mm Wave, SS	2	08277	J Tube; "A" 2-3/4"OD x 4-3/4"L	1	27166	P Clamp; Cable 1"ID	1	07289
E Nut; M6-1.00, Nylock, SS	1	07512	K Hose; 2-1/2"ID x 2-3/4"ID, Step	1	084016	Q Air Filter	1	RU-4960
F Hose; 2-3/4" x 2"L Strt. Blk.	1	08440	L Plug	1	08246	R Drycharger®	1	RX-4990DK

WARNING: The K&N® Drycharger® included with this kit must be installed on the K&N® air filter when used with this K&N® cold air intake system. The K&N® cold air intake system a performance product that can be used safely during mild weather conditions. During harsh and inclement weather conditions, you must convert your cold air intake system to a short ram configuration, or return your vehicle to the stock OEM air box and intake tract configuration. Failure to follow these instructions can void your warranty.

NOTE: FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS AND NOT USING THE PROVIDED HARDWARE MAY DAMAGE THE INTAKE TUBE, THROTTLE BODY AND ENGINE.

TO START:

1. Turn off the ignition and disconnect the negative battery cable.

NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft coded to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicles' anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicles anti-theft code.



2. Depress the tabs on the side of the battery cover and remove as shown.



3. First disconnect the negative battery cable, then disconnect the positive battery cable as shown.



4. Disconnect the mass air sensor electrical connection as shown.



5. Loosen the hose clamp at the mass air sensor as shown.



6. Remove the air cleaner cover screws as shown.



7. Disconnect the air pump vent hose as shown.



8. Remove the air cleaner cover as shown.



9. Remove the mass air sensor from the air cleaner cover as shown.



10. Remove the lower air cleaner assembly as shown.



11. Remove the nut that secures the air inlet duct, then remove the air inlet duct as shown.
NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.



12. Remove the inner core support cover, which is secured by two screws.



13. Remove the outer core support cover, which is secured by two screws.



14. Remove the battery hold down block as shown.



15. Slide the rear battery harness cover upwards and remove from the battery cover as shown.



16. Slide the battery fuse/harness assembly backwards, then upwards as shown, and pull the battery fuse/harness assembly out of the way.



17. Depress the two lower release tabs on each side of the secondary battery cover as shown.



18. Remove the battery cover as shown.



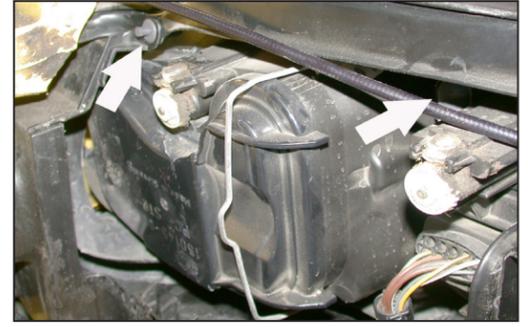
19. Remove the battery as shown.



20. Remove the battery tray, which is secured by four bolts as shown.



21. Lift the vehicle upwards and support it with jack stands as shown.



22. Remove the two upper plastic rivets from the inner plastic headlight cover as shown.



23. From underneath the vehicle remove the lower plastic rivet from the inner plastic headlight cover as shown.



24. Remove the inner plastic headlight cover as shown.



25. Remove the wire harness from the stud on the inner fender as shown.



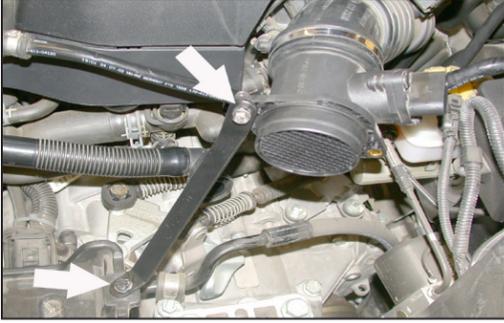
26. Using the provided plastic clamp secure the harness to the inner fender using the provided hardware as shown.



27. Reinstall the battery tray using the original four bolts as shown.



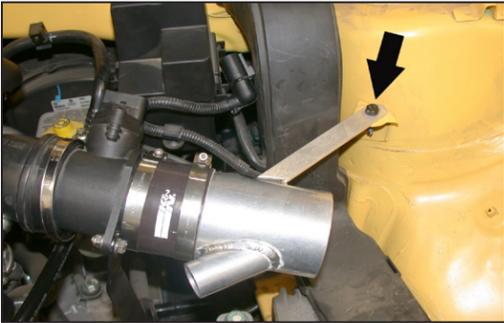
28. Reinstall the mass air sensor into the stock rubber intake hose as shown, but do not tighten at this time.



29. Secure the provided bracket to the mass air sensor using the provided hardware, then secure the other end to the battery tray using the stock air cleaner bolt as shown.



30. Install the silicone hose and hose clamps onto the mass air sensor but do not tighten at this time.



31. Slide the short K&N® intake tube into the silicone hose and secure the tube bracket to the original air cleaner mounting hole using one of the air cleaner bolts removed earlier.



32. Cut a 2-1/2" length of hose from the provided silicone hose as shown.



33. Install the provided plastic fitting onto the silicone hose from step 32.



34. Slide the silicone hose onto the vent of the K&N® intake tube and secure with the provided hose clamp as shown.



35. Reconnect the hard line to the plastic fitting as shown.

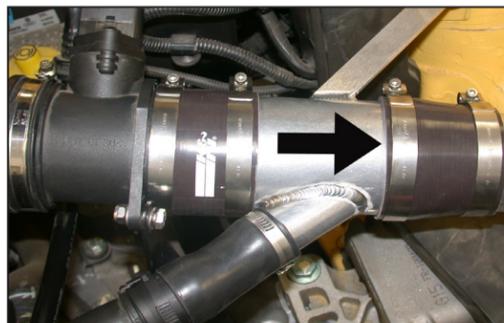
NOTE: Vehicles that are not equipped with Air Injection; use the supplied plug (08246) to cap the tube vent.



36. Install the silicone hose and hose clamps onto the K&N® cold air tube as shown.



37. Slide the cold air tube into the hole in the inner fender, then, line up the bracket with the stud on the inner fender and secure with the provided hardware as shown.



38. Slide the hose over the short ram tube, adjust for best fit and clearance and tighten all hose clamps and hardware as shown.



39. Install the K&N® Drycharger® onto the K&N® air filter as shown.

NOTE: Please be aware the Drycharger® is water repellent, not water proof. Depending on conditions and usage the water repellent treatment is good for 1 to 2 years. See the parts list to reorder a new Drycharger® if necessary.



40. From underneath the vehicle install the filter onto the cold air tube and secure with the provided hose clamp.



41. Reinstall the battery and the battery hold down block and secure as shown.



42. Reinstall the secondary battery cover as shown.



43. Reverse the removal process and slide the battery fuse/harness onto the battery cover as shown.



44. Slide the rear battery harness cover back onto the battery cover as shown.



45. Reconnect the positive battery cable, and then the negative battery cable as shown.



46. Reinstall the battery cover as shown.



47. Trim the corner of the outer core support cover to provide clearance for the cold air tube as shown.



48. Reinstall the outer core support cover using the original screws as shown.



49. Reinstall the inner core support cover as shown.



50. Reconnect the mass air sensor electrical connection as shown.



51. This K&N® high flow intake system has been designed to be used in two different configurations. In the case of inclement weather, the cold air tube can be removed and the air filter can be clamped onto the intake tube located in the engine compartment to avoid the possibility of ingesting water into the engine.

NOTE: If you have any concerns, return the vehicle to stock using the factory equipment.

52. This K&N® high flow intake system has been positioned low to maximize the performance of your vehicle. Extreme care should be taken in wet conditions as excessive water in the filter can lead to engine damage.

NOTE: If you have any concerns, return the vehicle to stock, using the factory equipment.

53. The C.A.R.B. exemption sticker, (attached), must be visible under the hood so that an emissions inspector can see it when the vehicle is required to be tested for emissions. California requires testing every two years, other states may vary.

54. It will be necessary for all K&N® high flow intake systems to be checked periodically for realignment, clearance and tightening of all connections. Failure to follow the above instructions or proper maintenance may void warranty.

ROAD TESTING:

1. Start the engine with the transmission in neutral or park, and the parking brake engaged. Listen for air leaks or odd noises. For air leaks secure hoses and connections. For odd noises, find cause and repair before proceeding. This kit will function identically to the factory system except for being louder and much more responsive.

2. Test drive the vehicle. Listen for odd noises or rattles and fix as necessary.

3. If road test is fine, you can now enjoy the added power and performance from your kit.

4. K&N Engineering, Inc., requires cleaning the intake system's air filter element every 100,000 miles. When used in dusty or off-road environments, our filters will require cleaning more often. We recommend that you visually inspect your filter once every 25,000 miles to determine if the screen is still visible. When the screen is no longer visible some place on the filter element, it is time to clean it. To clean and re-oil, purchase our filter Recharger® service kit, part number 99-5050 or 99-5000 and follow the easy instructions.

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