



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

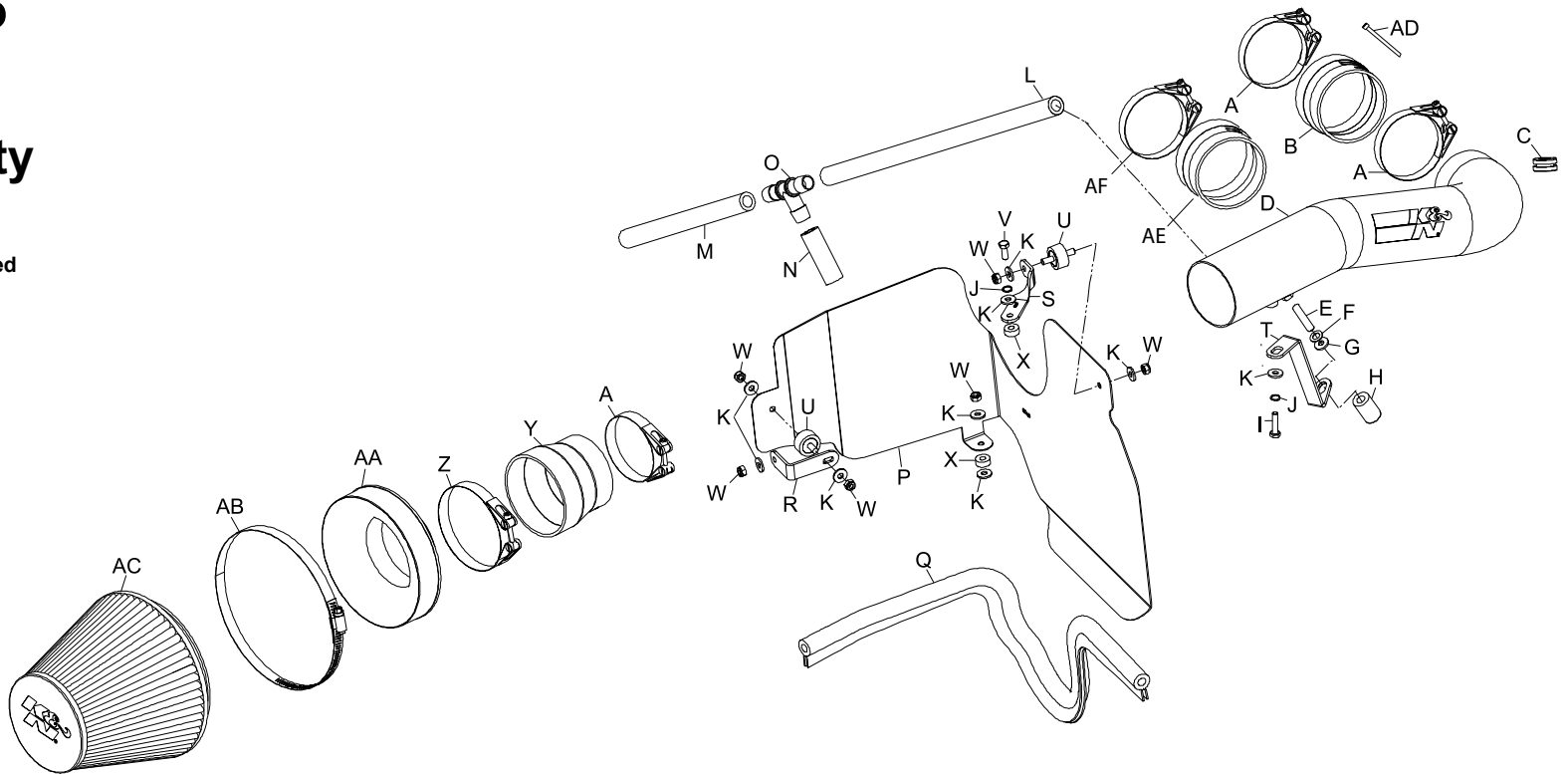
INSTALLATION INSTRUCTIONS

77-1540KP JEEP 2004-07 Liberty V6-3.7L

NOTE: This kit was not designed to fit vehicles with a body lift.

TOOLS NEEDED:

- Flat Blade Screwdriver
- Ratchet
- Extension
- 10mm Socket
- 13mm Socket
- 10mm Wrench
- 13mm Wrench
- Pliers
- Drill
- 3/4" Drill bit



PARTS LIST:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A HOSE CLAMP; #48	3	08601	I BOLT; M6-1 X 25MM	1	07704	Q EDGE TRIM; 30"L	1	102489A
B HOSE; 3.125"ID TO 3"ID	1	084031	J WASHER; 1/4" LOCK	2	08198	R BRACKET; "L"	1	070932A
C GROMMET; 1"OD, 1/2"ID	1	08064	K WASHER; 1/4"ID X 5/8"OD	9	08275	S BRACKET; TWIST	1	07139
D INTAKE TUBE; (BRIGHT)	1	27195AKP	L HOSE; 1/2"ID X 17"L	1	08177	T BRACKET; "Z"	1	010064
E BOLT; 8MM-1.25 X 45MM	1	07745	M HOSE; 1/2"ID X 9"L	1	08401	U STUD; M6-1.00 RUBBER	2	07027
F WASHER; 8MM SPRING	1	08239	N HOSE; 1/2"ID X 2-3/8"L	1	08415	V BOLT; M6-1.00 X 16MM	1	07703
G WASHER; 5/16"ID X 5/8"OD	1	08276	O FITTING; "T" 5/8 BARB	1	080018	W NUT; 6MM NYLOCK	6	07553
H SPACER; .750"OD X .375"ID	1	06547	P HEAT SHIELD	1	07469	X SPACER; .625"OD X .250"ID	2	06555
						Y HOSE; 3.5" TO 3"ID	1	084055
						Z HOSE CLAMP; #64	1	08648
						AA ADAPTER; 6" FILTER	1	21512-1
						AB HOSE CLAMP; #104	1	08697
						AC AIR FILTER	1	RU-1048
						AD BOLT; 8-32 X 2"L	1	07751
						AE HOSE; 3" TO 2.75"ID	1	08096
						AF HOSE CLAMP; #44	1	08560

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

TO START:

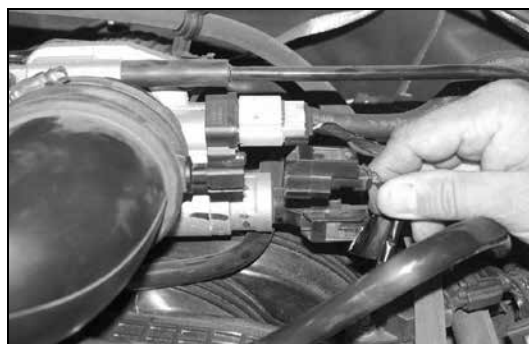
1. Turn off the ignition and disconnect the negative battery cable.
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after 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. On vehicles with an intake resonator, loosen the hose clamp at the resonator and remove the intake hose as shown.



3. Firmly lift up to disengage the air box from the mounting grommets and remove the air box from the vehicle.



4. On vehicles equipped with an intake air temperature sensor, disconnect the electrical connection from the air temperature sensor as shown.



5. On vehicles not equipped with an intake resonator, loosen the hose clamp which secures the intake tube to the throttle body and then disconnect the intake tube from the throttle body as shown.

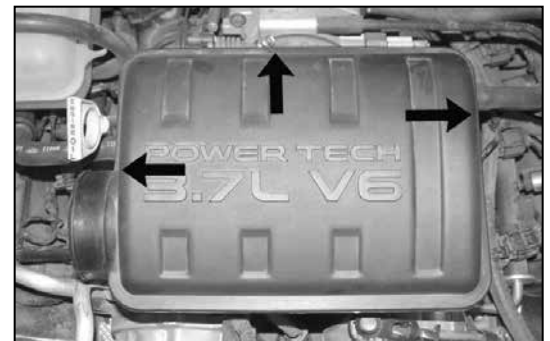


6. Disconnect the crank case vent hose from the factory air box as shown.



7. Firmly lift up to disengage the air box from the mounting grommets and remove the air box from the vehicle.

NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.



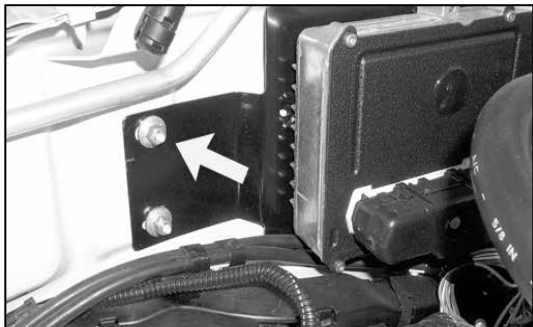
8. On vehicles equipped with an intake resonator, disconnect the two crank case vent hose shown and loosen the hose clamp, which secures the resonator to the throttle body.



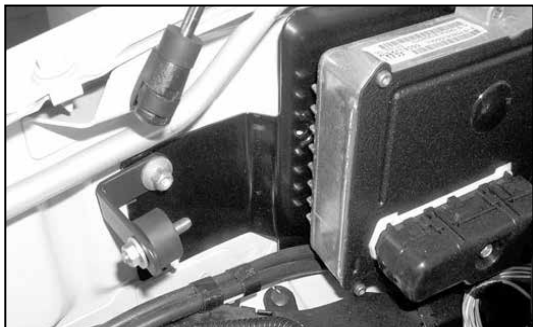
9. Pull firmly to dislodge the resonator from the mounting grommets and remove the resonator from the vehicle.



10. Assemble "L" bracket and rubber mounted stud as shown.



11. Remove nut from inner fender on vehicles that come equipped with a TCM.



12. Secure "L" bracket to inner fender with the nut that was removed in the previous step.



13. On vehicles that did not come with a TCM, mount "L" bracket onto existing stud with the provided hardware.
NOTE: Make sure to install two washers onto stud before mounting bracket.



14. Remove the 6mm bolt from core support.



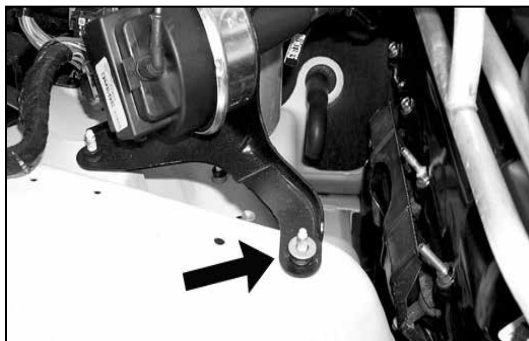
15. Assemble the bracket and rubber mounted stud as shown.



16. Install the bracket onto core support with the provided allen bolt as shown.
NOTE: Make sure 1/4 spacer is placed under new bracket.



17. Install edge trim onto heat shield as shown.
NOTE: Some trimming of the edge trim will be necessary.



18. Install the provided 1/4 washer onto existing nut that retains the cruise control bracket to vehicle.



19. Vehicles that do not come equipped with cruise control, install the provided spacer and washer onto the stud as shown.



20. Install heat shield onto the vehicle with the provided hardware as shown.



21. Remove the A/C compressor-mounting bolt.



22. Using the bolt removed in step #21, install the tube mounting bracket (010064) onto the A/C pump as shown.
NOTE: On vehicles without A/C, it will be necessary to use the bolt and spacer supplied to mount the bracket.



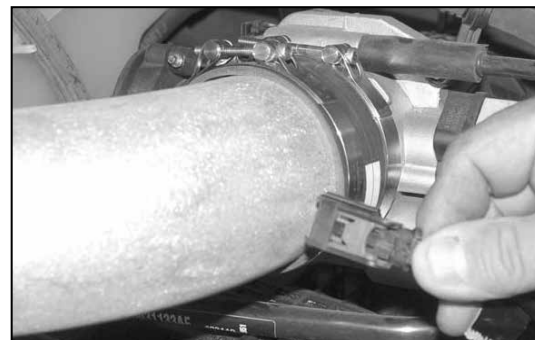
23. Install the silicone hose (084031) onto the throttle body with supplied hose clamps.
NOTE: The synch bolt in the #350 hose clamp at the throttle body needs to be replaced with the longer bolt supplied.



23a. On 2007 and later vehicles with a plastic throttle body, install the silicone hose (08096) onto the throttle body and secure with the provided hose clamp.



24. Install the K&N® intake tube into the silicone hose at the throttle body and align with the mounting bracket installed in step #22.



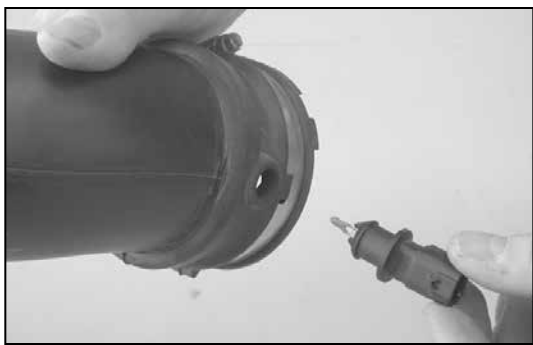
25. On vehicles equipped with an air temperature sensor, position the temperature sensor electrical connection for best fit and mark the location to be drilled. Remove the K&N® intake tube.



26. Drill a 3/4" id hole at the marked location on the intake tube.

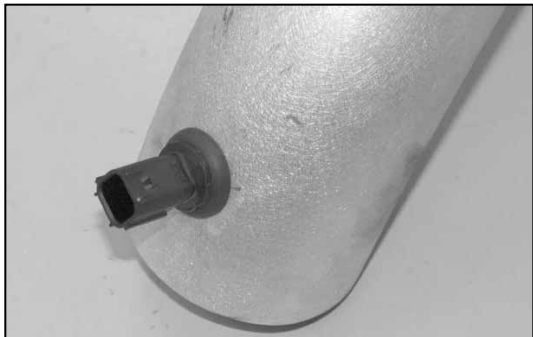


27. Install the supplied rubber grommet into the hole drilled into the K&N® intake tube as shown.

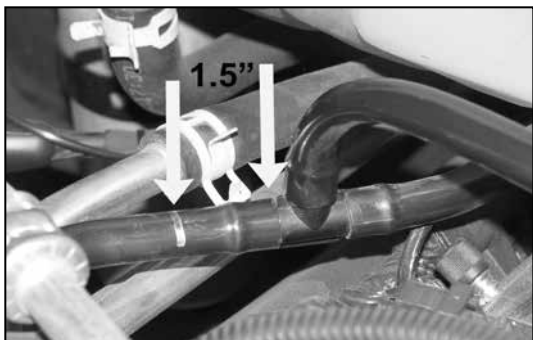


28. Remove the air temperature sensor from the stock intake tube as shown.

NOTE: Take care when handling the air temperature sensor as it is very fragile.



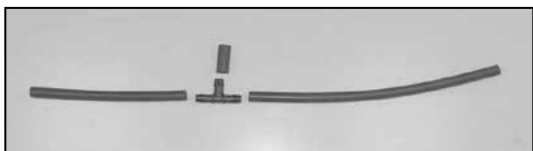
29. Install the air temperature sensor into the grommet in the K&N® intake tube as shown.



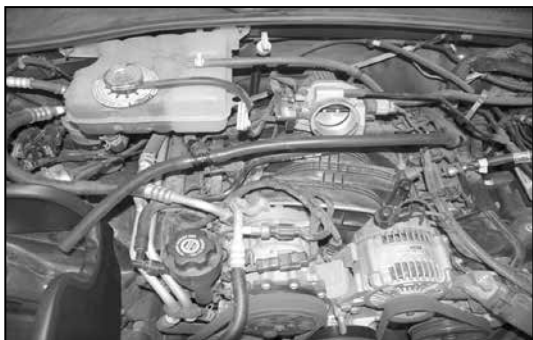
30. On vehicles equipped with the intake resonator, measure 1.5" from the crank case vent hose "T" and cut the crank case vent tube with knife.



31. On vehicles equipped with an intake resonator, remove the two crank case vent hoses from the two check valves shown.



32. Using the supplied "T" and silicone hoses, assemble the K&N® crank case vent hose assembly as shown.



33. Install the K&N® crank case vent hose assembly onto the two check valves as shown.



34. Reinstall the K&N® intake tube and secure with the provided hardware.



35. On vehicles equipped with the air temperature sensor, reconnect the sensor electrical connection.



36. Connect the supplied crank case vent hose onto the K&N® intake tube.

NOTE: Trimming of the vent hose will be necessary.



37. Install the filter adapter into the air filter as shown and secure with provided hose clamp.



38. Install the silicone (084055) onto the filter adapter and secure with the provided hose clamp.



39. Install the air filter assembly onto the intake tube and secure with the provided hose clamp.

NOTE: Drycharger® air filter wrap; part # RF-1048DK is available to purchase separately. To learn more about Drycharger® filter wraps or look up color availability please visit <http://www.knfilters.com>.



40. Reconnect the vehicle's negative battery cable. Double check to make sure everything is tight and properly positioned before starting the vehicle.

41. 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.

42. 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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