



# 77 Series™

STREET LEGAL  
IN MOST STATES

NOT LEGAL FOR USE IN  
CA & OTHER STATES ADOPTING  
CA EMISSIONS  
STANDARDS

## INSTALLATION INSTRUCTIONS

**77-1559**

**JEEP**

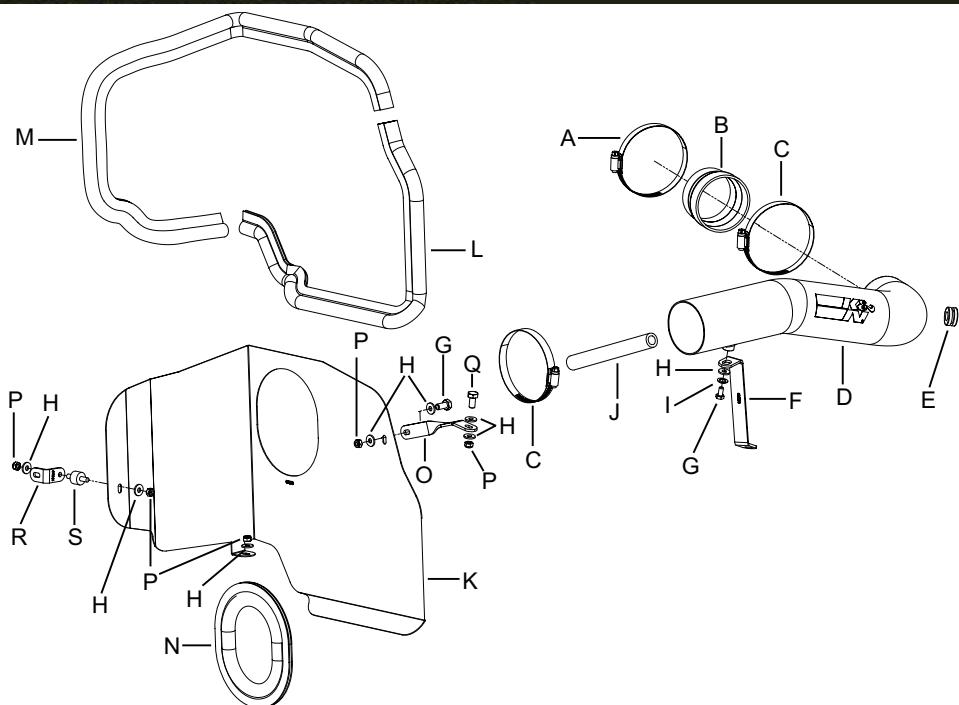
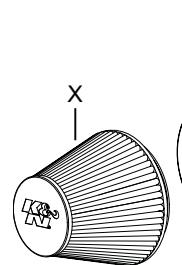
**2008-09 Liberty**

**V6-3.7L**

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

### TOOLS NEEDED:

Drill motor  
3/4" drill  
1/4" drill  
Flat blade Screwdriver  
Ratchet  
Extension  
13mm socket  
10mm socket  
13mm wrench  
10mm wrench  
Knife



### PARTS LIST:

Desc.	Qty.	Part #	Desc.	Qty.	Part #	Desc.	Qty.	Part #
A Hose Clamp #44	1	08560	J Hose; 1/2"ID X 7"L, Black Silc.	1	08159	S Stud; M6-1.00 M/M, Rubber Mntd.	1	07027
B Hose; 2-3/4" to 3" X 2" L, Silc.	1	084036	K Heat Shield	1	07690	T Hose; 3" to 3-1/2" X 3" L, T.	1	084055
C Hose Clamp #48	2	08601	L Edge Trim	1	102488	U Hose Clamp #56	1	08620
D Intake Tube	1	27195	M Edge Trim	1	102486	V Adaptor #380	1	21512
E Grommet; 1"OD, 1/2"ID, 1/2"Thk.	1	08064	N Edge Trim	1	102494	W Hose Clamp #104	1	08697
F Bracket; "Z" Mild STL, FB/PC	1	010064	O Bracket; "L", STL, FB / PC	1	070092	X Air Filter	1	RF-1048
G Bolt; 6MM-1.00 X 16MM, SS	2	07812	P Nut; 6MM Nylock, Hex, SS	5	07512			
H Washer; 1/4"ID X 5/8"OD - SAE	8	08275	Q Bolt; M6 X 1.00" X 20MM Hex	1	07795			
I Washer; 1/4" Lock, ZN	1	08198	R Bracket; "L", SML, STL, FB/PC	1	070066			

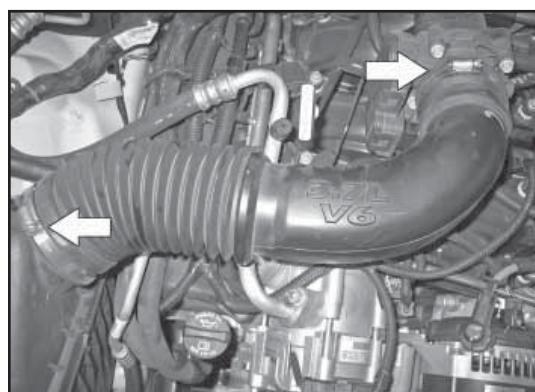
**NOTE: FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS AND NOT USING THE PROVIDED HARDWARE MAY DAMAGE THE INTAKE TUBE, THROTTLE BODY AND ENGINE.**

### TO START:

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



2. Release the red locking tab and then disconnect the temperature sensor electrical connection.



3. Loosen the two hose clamps which secure the stock intake tube to the throttle body and air box, then remove the intake tube from the vehicle.



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

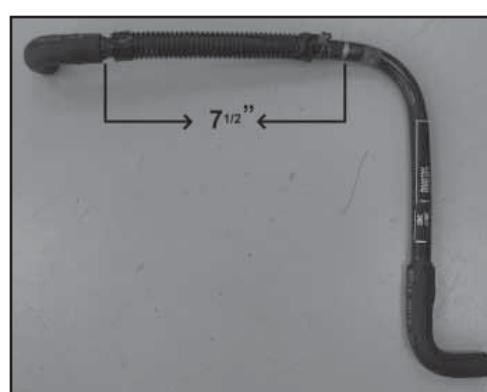


5. Lift up firmly to dislodge the air box from the mounting grommets and then remove the air box from the vehicle.

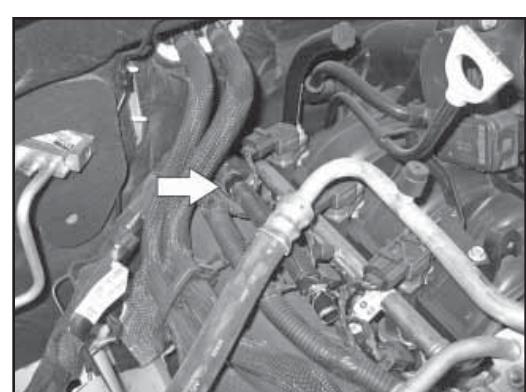
**NOTE: K&N Engineering, Inc., recommends that customers do not discard factory intake.**



6. Remove the crank case vent tube assembly from the valve cover as shown.



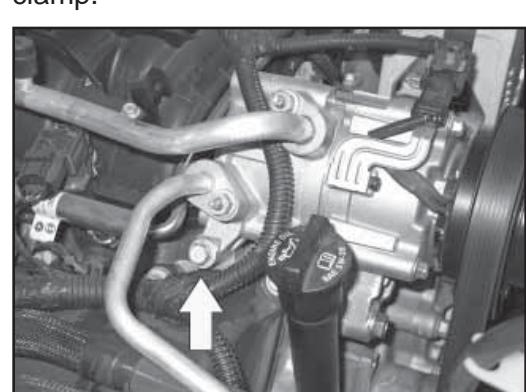
7. Using a knife, cut the crank case vent hose 7-1/2" from the valve cover elbow fitting as indicated.



8. Reinstall the modified crank case vent tube onto the valve cover as shown.



9. Install the silicone hose (084036) onto the throttle body and secure with the provided hose clamp.

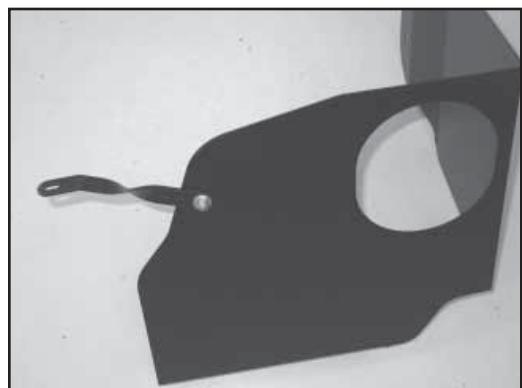


10. Remove the lower rear A/C compressor mounting bolt shown.

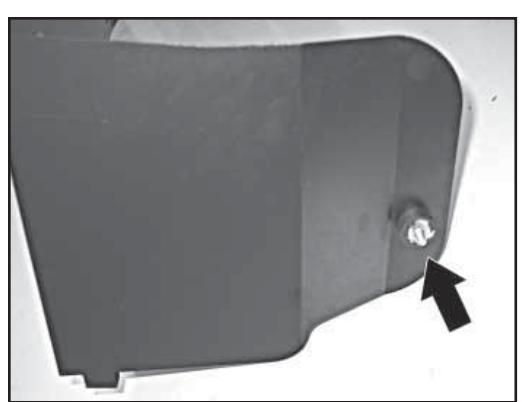
**NOTE: This bolt will be reused in the next step.**



11. Install the tube mounting bracket (010064) onto the A/C compressor and secure with factory bolt removed in the previous step.



12. Secure the heat shield mounting bracket (070092) onto the heat shield as shown using the provided hardware.

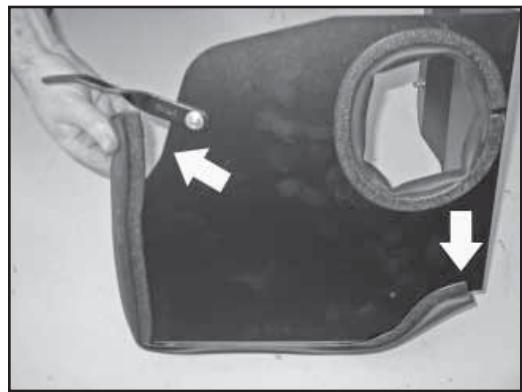


13. Secure the provided rubber mounted stud to the heat shield as shown using the provided hardware.



14. Install the provided edge trim into the hole of the heat shield as shown.

**NOTE:** Some trimming of the edge trim will be necessary.



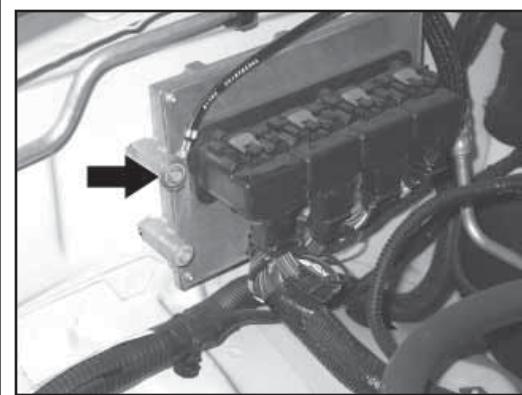
15. Install the provided edge trim onto the heat shield as shown.

**NOTE:** Some trimming of the edge trim will be necessary.

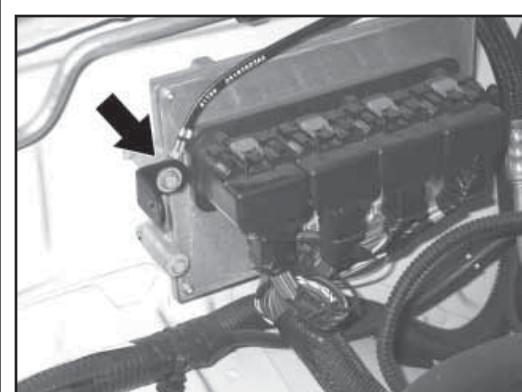


16. Install the provided edge trim onto the heat shield as shown.

**NOTE:** Some trimming of the edge trim will be necessary.



17. Remove the forward/upper ECU mounting bolt and ground strap.

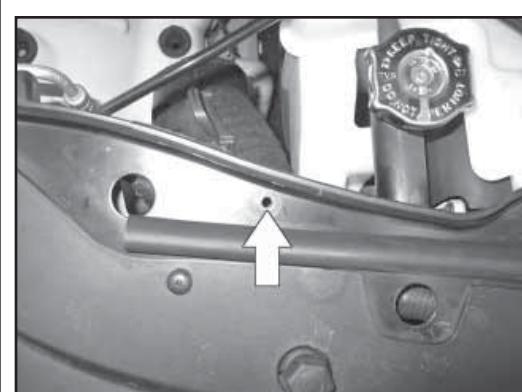


18. Install the heat shield mounting bracket (070066) onto the ECU and secure with the factory bolt removed in the previous step.

**NOTE:** Be sure to place the slotted end of the bracket on to the ECU. Be sure to place the ground strap between the bracket and ECU as shown.



19. Using the provided template, place a mark onto the radiator core support for a hole to be drilled for the heat shield mounting bracket.



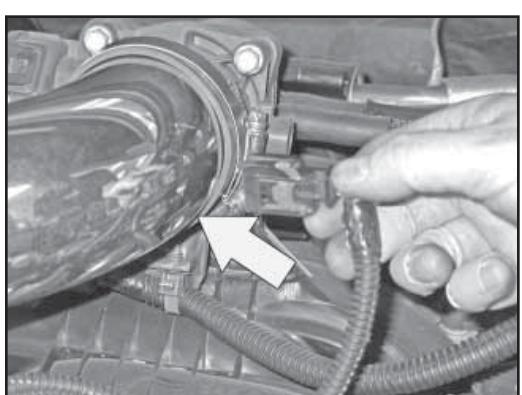
20. Drill a  $\frac{1}{4}$ "id hole at the marked location.



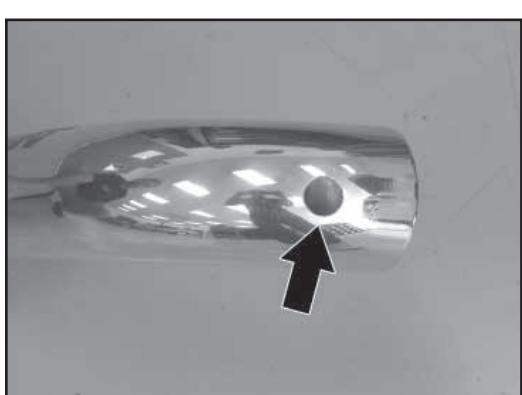
21. Remove the fresh air supply duct from the radiator core support as shown.



22. Install the heat shield assembly into the vehicle. Secure the rear of the heat shield to the mounting bracket installed onto the ECU. Secure the front heat shield mounting bracket to the radiator core support at the drilled location. Secure the bottom of the heat shield to the inner fender stud.



23. On vehicles equipped with and inlet air temperature sensor, install the K&N® intake tube into the silicone hose at the throttle body. Position the inlet air temperature sensor electrical connection for best fit. Mark the location for drilling.



24. Remove the K&N® intake tube and drill a  $\frac{3}{4}$ "id hole into the K&N intake tube at the marked location.

**NOTE:** Be sure to remove all burrs and shavings.



25. Remove the air temperature sensor from the factory intake tube as shown.

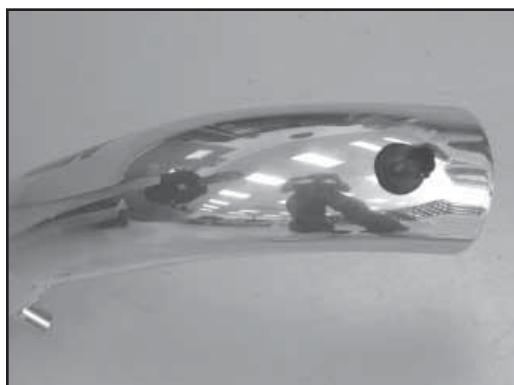
**NOTE:** Handle the air temperature sensor with care as it is very fragile.

**Continued**

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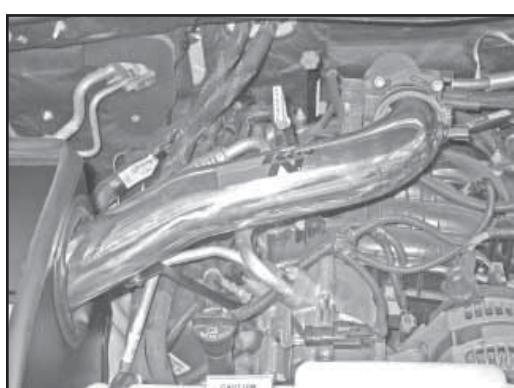


26. Install the supplied grommet into the K&N® intake tube as shown.

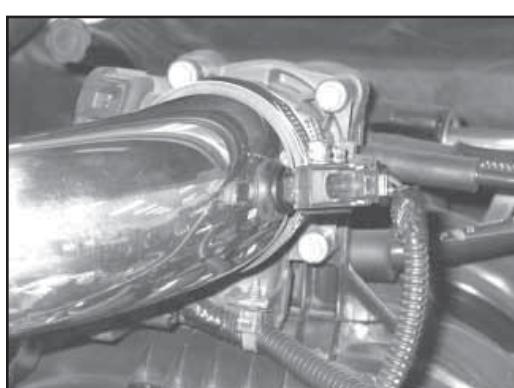


27. Install the air temperature sensor into the grommet installed into the K&N® intake tube as shown.

**NOTE: Handle the air temperature sensor with care as it is very fragile.**



28. Install the K&N® intake tube into the silicone hose at the throttle body and align with the tube mounting bracket installed during step #11. Secure the intake tube with the provided hose clamp and hardware.



29. Reconnect the inlet air temperature sensor electrical connection.



30. Connect the provided silicone vent hose to the modified factory vent tube and then connect the open end to the K&N® intake tube as shown.



31. Install the filter adapter into the K&N® air filter and secure with the provided hose clamp.



32. Install the provided silicone hose (084055) onto the filter assembly and secure with the provided hose clamp.



33. Install the filter assembly onto the K&N® intake tube and secure with the provided hose clamp.



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

35. 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

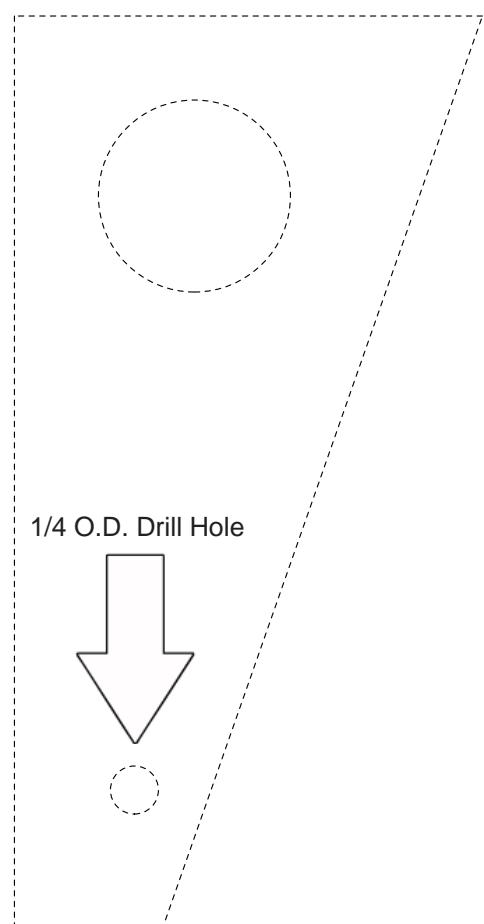
1. Start the engine with the transmission in neutral or park, and the parking brake engaged. Listen for air leaks or odd noises. For air leaks secure hoses and connections. For odd noises, find cause and repair before proceeding. This kit will function identically to the factory system except for being 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., suggests checking the air filter element periodically for excessive dirt build-up. When the element becomes covered in dirt (or once a year), service it according to the instructions on the Recharger service kit, part number 99-5050 or 99-5000.

### Template for Step 19.



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**NOT LEGAL FOR USE IN CA & OTHER STATES  
ADOPTING CA EMISSIONS STANDARDS**

**See our catalog or knfilters.com for CARB status on each part for a specific vehicle**

\*FREE K&N® decal To register your warranty, please see us online at knfilters.com/register. FREE K&N® decal\*

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