



## INSTALLATION INSTRUCTIONS

### 77-1549KP

### JEEP

2005-10 Grand Cherokee

2006-10 Commander

V8-5.7L

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

#### TOOLS NEEDED:

Ratchet  
Extension  
8mm Socket  
10mm Socket  
16mm Socket  
Flat Blade Screwdriver  
10mm Wrench

#### PARTS LIST:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A hose clamp #56	4	08620	G bolt; 6mm-1.00 x 16mm, hex	5	07703	M bracket; short "L"	1	07158
B hose; 3.5" id x 2" l, silicone	2	08630	H washer; 1/4" id split lock	2	08198	N bracket; "C"	1	07171
C intake tube	1	27194KP	I washer; 1/4" id x 5/8" od flat	10	08275	O nut; 6mm nylock	5	07553
D hose; 1/2" id x 19" l, silicone	1	084075	J heat shield	1	07671	P bolt; 6mm-1.00 x 25mm, hex	1	07704
E grommet	1	08063	K edge trim 44"	1	102486	Q washer; 1.25" od x .28" id, flat	2	08151
F bracket; "Z"	1	26625	L bracket lg. "L"	1	26626	R washer; 1" od x .300" id x .100" thk	1	21685
						S filter adapter #380	1	21512-1
						T hose clamp #104	1	08697
						U air filter	1	RF-1048
						V edge trim 17"	1	102474
						W spacer; 375" id x .625" L, ZN	1	07849
						X bolt; hex m6-1 X 35mm	1	1-2002

**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.

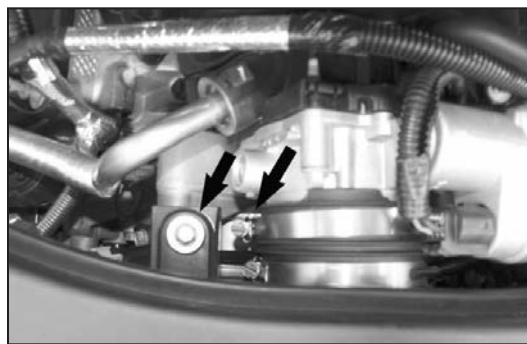
**NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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. Loosen the hose clamp, which secures the stock intake tube to the intake plenum, and disconnect the crank case vent hose from the air box lid.



3. Remove the oil filler cap and then lift up the front of engine cover to gain access to the intake plenum hose clamp at the throttle body and plenum mounting bolt.



4. Remove the intake plenum-mounting bolt and loosen the intake plenum hose clamp at the throttle body.



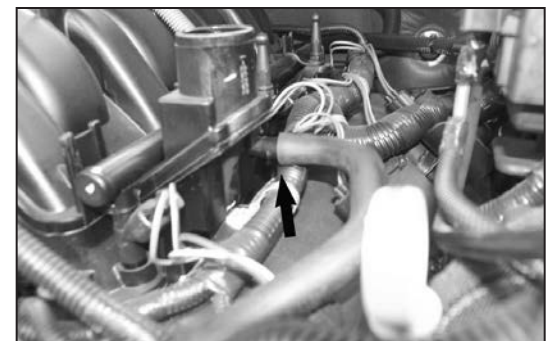
5. Pull the intake plenum off of the throttle body and rotate forward, then disconnect the crank case vent hose from the tube attached to the intake plenum. **NOTE: Do not completely remove the intake plenum at this time.**



6. Disconnect the air temperature sensor electrical connection and then remove the intake plenum from the vehicle.



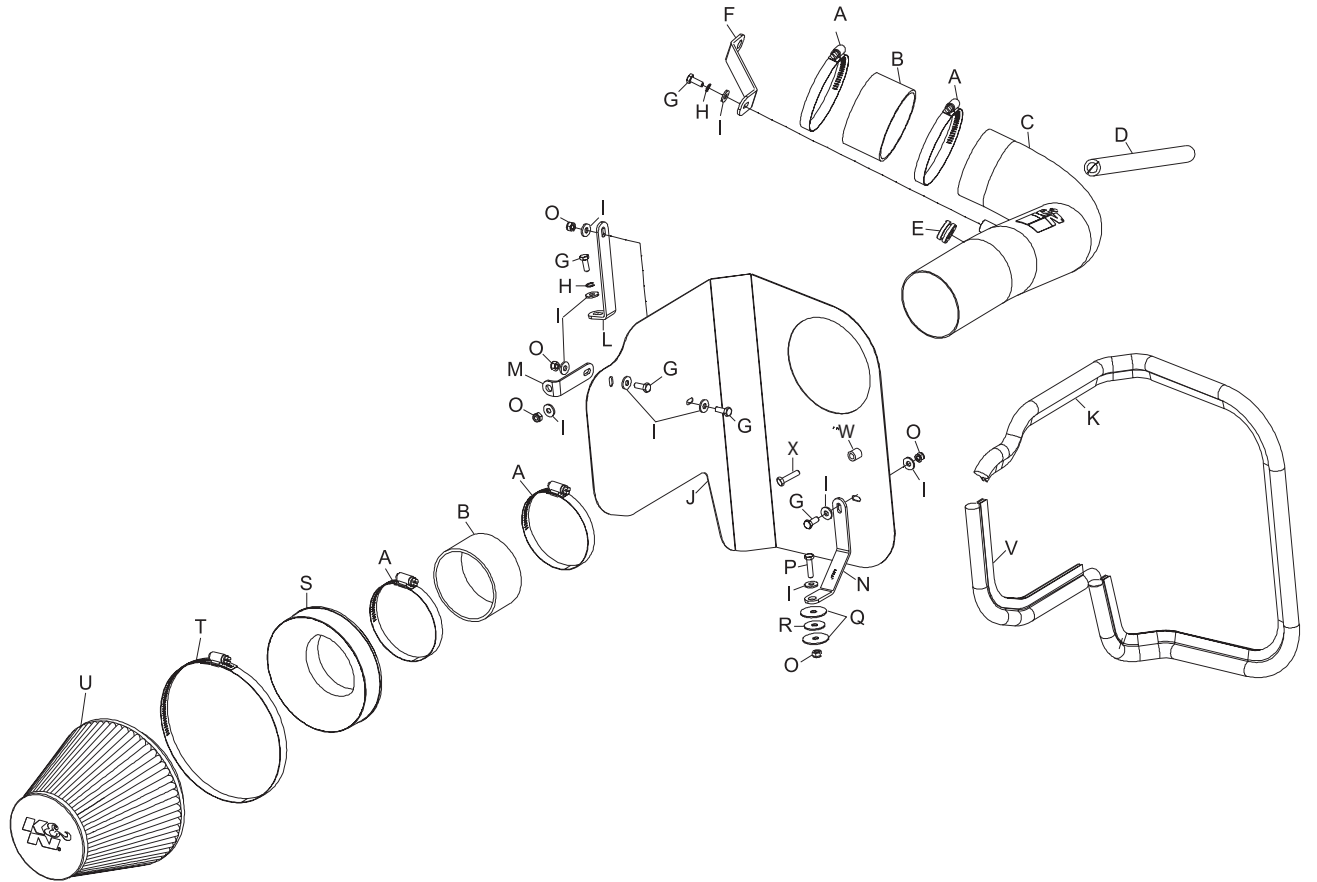
7. Remove the engine cover from the engine.



8. Remove the crank case vent hose from the valve cover.



9. Unhook the air box lid retaining clamps and then remove air box lid and filter.





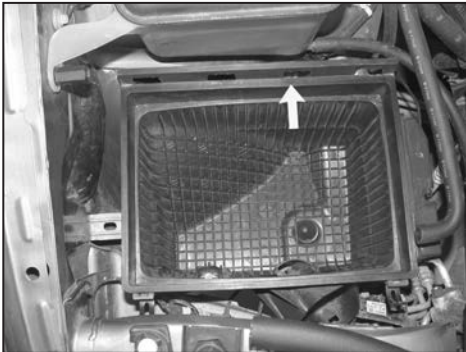
10. Using a small screwdriver, release the center holding pins in the six grill retaining clips shown.



11. Remove the six grill retaining clips from the grill, then tilt the grill forward and lift to remove from the vehicle.



12. Pull the fresh air duct forward to disconnect it from the air box and then remove it from the vehicle.

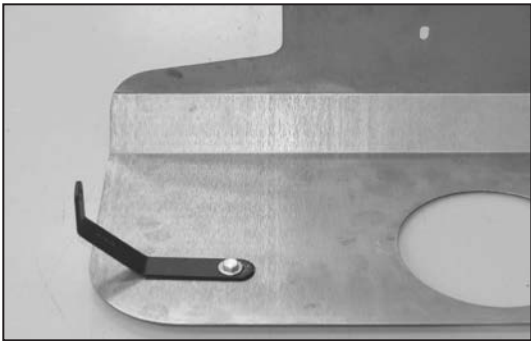


13. Remove the air box mounting bolt shown.

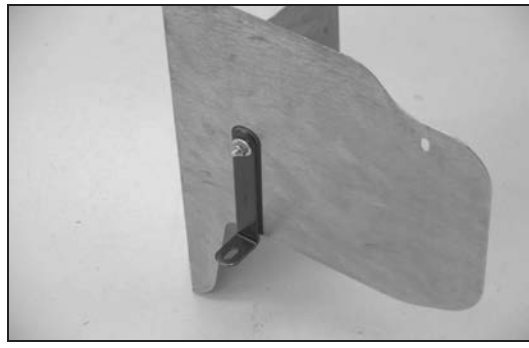


14. Lift the lower air box and remove it from the vehicle as shown.

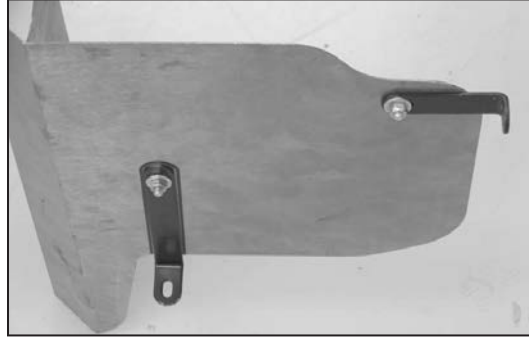
**NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.**



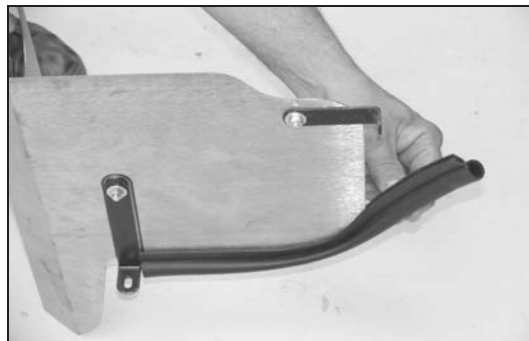
15. Install the supplied "C" bracket (07171) onto the heat shield as shown with the provided hardware. **NOTE: Due to manufacturing tolerances, it may be necessary to use the provided spacer and longer bolt to attach the mounting bracket to the heat shield. This will enable the mounting bracket to align with the longer air box mounting brackets on some vehicles.**



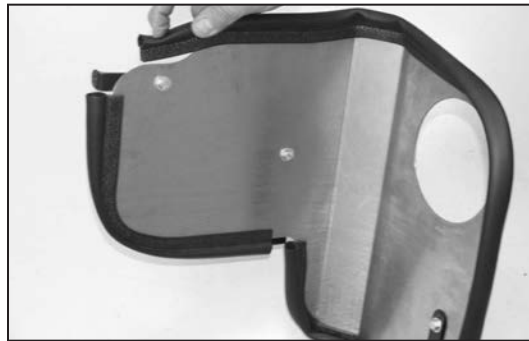
16. Install the long "L" bracket (26626) onto the heat shield as shown with the provided hardware.



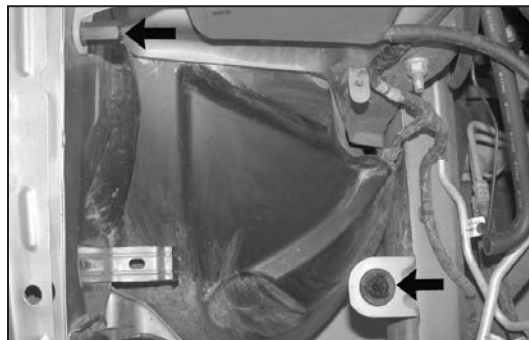
17. Install the short "L" bracket (07158) onto the heat shield as shown with the provided hardware.



18. Install the sort edge trim onto the heat shield assembly as shown.



19. Install the long edge trim onto the heat shield as shown.



20. Remove the coolant reservoir-retaining nut and air box mounting grommet shown.



21. Install the heat shield assembly into the vehicle and secure to the lower and upper air box mounts and washer bottle stud with the provided hardware.



22. Install the silicone hose (08630) onto the throttle body and secure with the hose clamp provided.



23. Remove the intake plenum mount nut shown. **NOTE: Do not discard as this nut will be reused.**



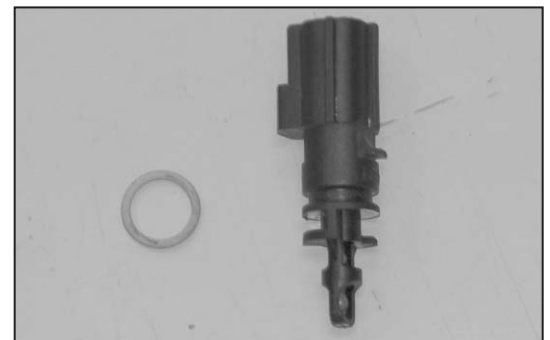
24. Install the tube mounting bracket onto the plenum mount and secure with the factory nut removed in step #23.



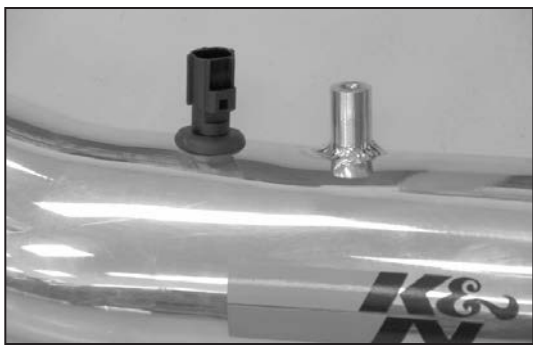
25. Install the provided grommet into the K&N® intake tube as shown.



26. Rotate the air temperature sensor counter clockwise and remove the sensor from the stock intake plenum as shown.



27. Remove the rubber sealing "O" ring from the air temperature sensor as shown.



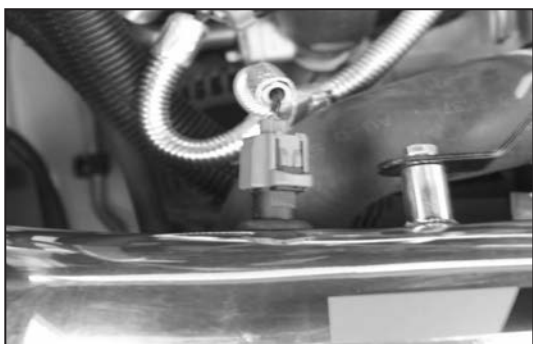
28. Install the air temperature sensor into the grommet installed into the K&N® intake tube in step #25.



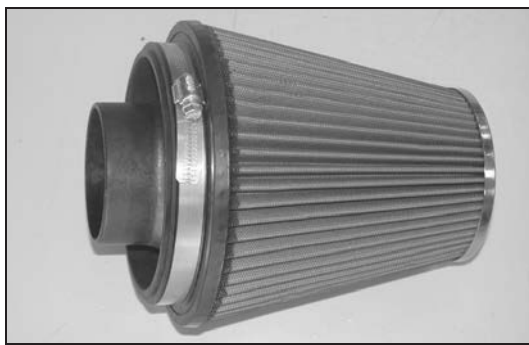
29. Install the K&N® intake tube into the silicone hose at the throttle body and onto the tube mounting bracket, then secure with the provided hose clamp and hardware.



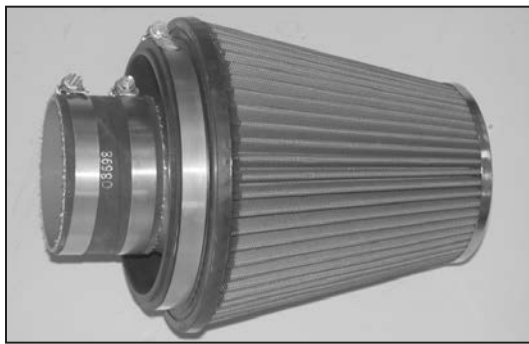
30. Install the provided crank case vent tube onto the valve cover and then onto the K&N® intake tube as shown.



31. Reconnect the air temperature sensor electrical connection as shown.



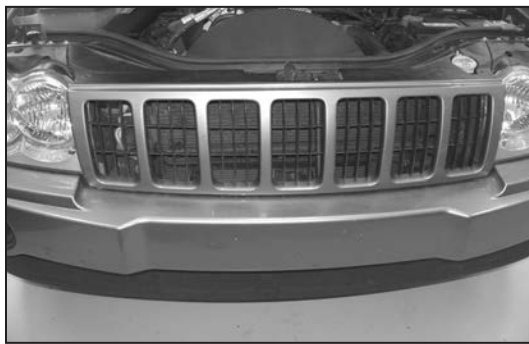
32. Install the filter adapter into the air filter as shown, secure with the provided hose clamp.



33. Install the silicone (08630) onto the air filter assembly and secure with the provided hose clamp.



34. Install the air filter assembly onto the K&N® intake tube as shown and secure with the provided hose clamp.



35. Reinstall the grill assembly with the factory retaining clips removed in step #5.



36. Reinstall the engine cover and oil filler cap. Reconnect the vehicle's negative battery cable. Double check to make sure everything is tight and properly positioned before starting the vehicle.

37. 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.

38. 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.