



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

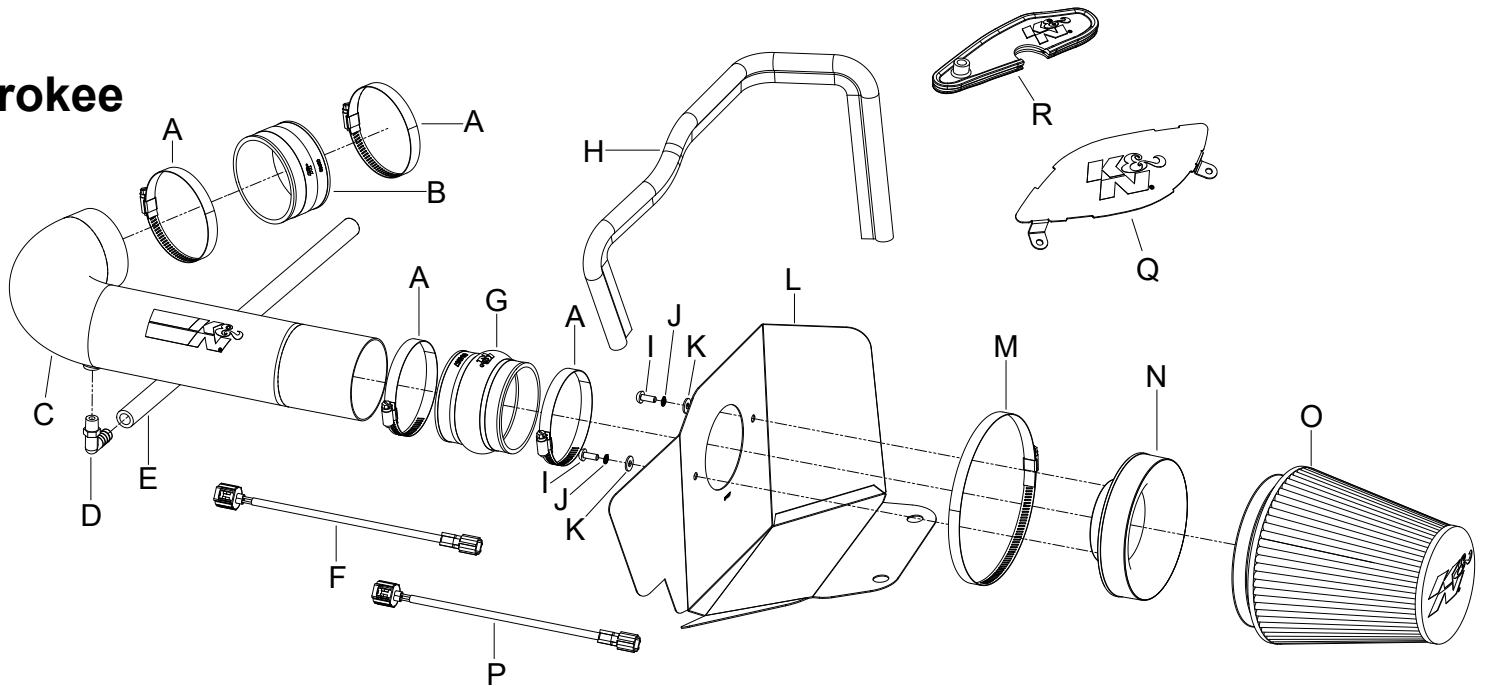
INSTALLATION INSTRUCTIONS

77-1563KP
JEEP / DODGE
2011-21 Grand Cherokee
V8-5.7L
2011-21 Durango
V8-5.7L

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

TOOLS NEEDED:

- 4mm Allen Wrench
- 10mm Socket
- Extension
- Ratchet
- 8mm socket
- Flat blade screwdriver
- 9/16" wrench
- Pliers



PARTS LIST:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A HOSE CLAMP #56	4	08620	G HOSE; HUMP 3.5" ID X 3"L	1	084057	M HOSE CLAMP # 104	1	08697
B HOSE; 3.5" ID X 2"L	1	08630	H EDGE TRIM; 30"L	1	102489	N ADAPTER; 6" FILTER	1	21512-1
C TUBE; 3.5"OD X 22"L (BRIGHT)	1	27491-1P	I BOLT; M6 X 1 X 16MM BTNHD	2	07730	O AIR FILTER	1	RU-1041
D VENT; 1/2"HOSE, 1/4"NPT BLK	1	08110FK	J WASHER; M6 SPLIT LOCK ZINC	2	1-3025	P EXTENSION HARNESS; IAT	1	21681
E HOSE; 1/2" ID X 19"L	1	084075	K WASHER; 6MM FLAT	2	08269	Q BLOCK OFF	1	073262
F EXTENSION HARNESS; IAT	1	21680	L HEAT SHIELD	1	074087A	R BLOCK OFF; HOOD VENT	1	21597

If you need any assistance please call 1-800-858-3333 to speak with a representative in our Customer Service Center before returning the product.

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. Lift up the engine cover to dislodge it from the mounting grommets and remove it from the vehicle.



3. Remove the intake plenum mounting bolt shown and loosen the intake tube hose clamp.



4. Disconnect the inlet air temperature air sensor electrical connection.



5. Disconnect the crank case vent hose from the valve cover port.



6. Release the two upper air box retaining clips.



7. Remove the upper air box and intake tube assembly.



8. Unhook the sealing trim from the fresh air intake scoop.



9. Lift up the lower air box to dislodge it from the mounting grommets and then remove the lower air box from the vehicle. Some vehicles may have a power steering line attached to the airbox that will need to be unhooked.

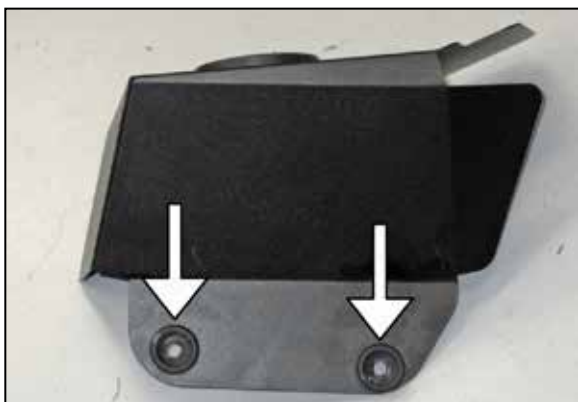
NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.



10. Install the filter adapter into the heat shield and secure with the provided hardware.



11. Remove two of the factory air box mounting grommets from the lower air box.



12. Install the two mounting grommets removed in the previous step into the heat shield as shown.



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



14. Install the provided silicone hump hose (084057) onto the filter adapter and secure with the provided hose clamp.



15. Set the heat shield into the vehicle so that the mounting grommets slide over the factory air box mounting studs.



16. Install the K&N® air filter onto the adapter and secure with the provided hose clamp.
NOTE: Drycharger® air filter wrap; part # RF-1041DK is available to purchase separately. To learn more about Drycharger® filter wraps or look up color availability please visit <http://www.knfilters.com>®.



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



18. Release the locking tab and then remove the inlet air temperature sensor from the factory intake tube by twisting counter clockwise.
NOTE: The inlet air temperature sensor is very fragile; take care to avoid damage while handling the sensor.



19. Install the inlet air temperature sensor into the K&N® intake tube.



20. Install the 90° npt fitting into the K&N® intake tube as shown.

NOTE: Plastic NPT fittings are easy to cross thread. Install the vent fitting "hand" tight, then turn it two complete turns with a wrench.



21. Install the K&N® intake tube into the hump hose at the filter adapter and then into the hose at the throttle body. Adjust the tube and heat shield for best fit and clearance and then secure with the provided hose clamps



22. Install the crank case vent hose onto the 90° vent fitting and then attach the open end to the valve cover port.



23. Connect the inlet air temperature sensor extension harness into the factory electrical connection and then connect the other end into the inlet air temperature sensor as shown.
NOTE: There are two different types of sensors, be sure to choose the correct harness extension for the sensor used.



24. Reinstall the engine cover.



25. Some Dodge Durango models may be equipped with heat extractor vents in the hood. During inclement weather or driving in wet conditions, K&N® recommends installing the provided heat extractor block off plate. Remove the two screws that secure the factory grid in position.
NOTE: Some model may not have the screws holding in the grill.



26. Place the provided block off into position and reinstall the factory screws.
NOTE: On models with out the two screws holding the grill, insert the block-off like a grommet into the opening.
NOTE: This block off does not seal the heat extractor vent completely. It is intended to reduce the amount of moisture that can directly come in contact with the air filter.



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

28. 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.

29. 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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