TRAIL FORTRESS

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K&N 30-3070 Installation Instructions

Cold Air Intake for GM Full-Size Trucks & SUVs (2009-2014)

Part number: 30-3070

trailfortress.com/k-n-performance-air-intake-system-30-3070

Scan for fitment, price and install help

AIR INTAKE SYSTEMS

NOT LEGAL FOR SALE OR USE ON ANY POLLUTION CONTROLLED MOTOR VEHICLE IN CALIFORNIA OR STATES ADOPTING CALIFORNIA EMISSION PROCEDURES.

See knfilters.com for CARB status on each part for a specific vehicle

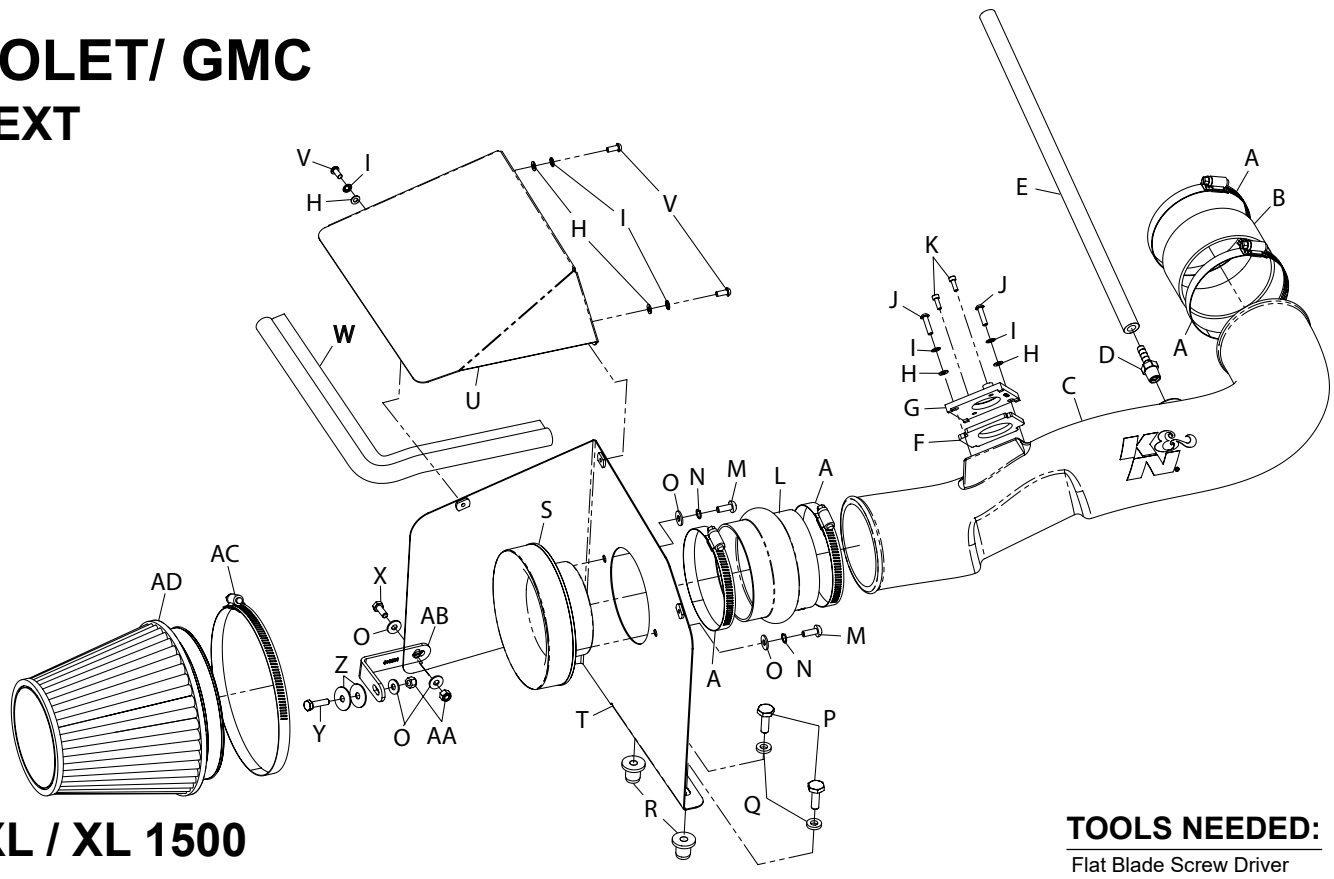
INSTALLATION INSTRUCTIONS

NOTE: EXCLUDES HYBRID MODELS

30-3070

CADILLAC / CHEVROLET/ GMC

2009-14 Escalade ESV / EXT
V8-6.2L
2009-13 Avalanche
V8-5.3L / 6.0L
2009-13 Silverado 1500
V8-4.8L / 5.3L / 6.2L
2009-14 Suburban
V8-5.3L / 6.0L
2009-14 Tahoe
V8-4.8L / 5.3L / 6.2L
2009-14 Yukon
V8-4.8L / 5.3L / 6.2L
2009-14 Denali / Denali XL / XL 1500
V8-4.8L / 5.3L / 6.2L
2009-13 Sierra, Denali 1500
V8-4.8L / 5.3L / 6.2L



TOOLS NEEDED:

Flat Blade Screw Driver
Ratchet
Extension, ½" Socket
10mm Socket
T15 Torx
5/8" Wrench

PARTS LIST:

	Description	Qty.	Part #		Description	Qty.	Part #		Description	Qty.	Part #
A	HOSE CLAMP; #64 STAINLESS	4	08645	K	BOLT; M4-.7 X 8MM, ALNHD	2	07733	U	HEAT SHIELD; TOP	1	07326A
B	HOSE; 4"ID X 2"L	1	08761	L	HOSE; HUMP 4"ID X 3"L	1	08418	V	BOLT; M5 X .8 X 12MM, BTNHD	3	07734
C	INTAKE TUBE; (IW)	1	087265A	M	BOLT; M6 X 1 X 16MM BTNHD	2	07730	W	EDGE TRIM; (20"L)	1	102494
D	VENT, 3/8"HOSE, 1/4"NPT	1	08047	N	WASHER; 1/4" LOCK, ZINC	2	08198	X	BOLT; M6-1.00 X 25MM	1	07858
E	HOSE; 3/8"ID X 17"L	1	08404	O	WASHER; 6MM FLAT	5	08269	Y	BOLT; M6-1 X 16MM, HEX	1	07812
F	GASKET; 3/16"THK, PORON	1	09077	P	BOLT; 5/16-18 X 1"L	2	07777	Z	WASHER; 1"D X 1/4" HOLE	2	08160
G	ADAPTER; MASS AIR SENSOR	1	09403	Q	WASHER; 5/16"ID X 5/8"OD, FLAT	2	08276	AA	NUT; 6MM NYLOCK, HEXHD	2	07512
H	WASHER; 5MM FLAT	5	08212	R	INSERT; 5/16-18 X .600 OD X .730L	2	088002	AB	BRACKET; "L" SM.	1	010031A
I	WASHER; 5MM INTERNAL STAR	5	07724	S	ADAPTOR; #454	1	27300	AC	HOSE CLAMP; #104 BLK	1	08697KA
J	BOLT; M5 X .8 X 20MM, BTNHD	2	22208	T	HEAT SHIELD	1	07325A	AD	AIR FILTER	1	RU-3102HBK

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.



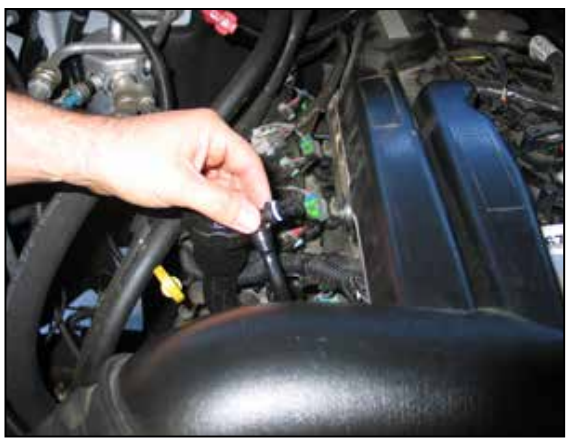
2. Disconnect the mass air sensor electrical connection.



3. Lift up and remove the engine cover from the engine as shown.



4. Unhook the radiator hose mount from the intake tube.



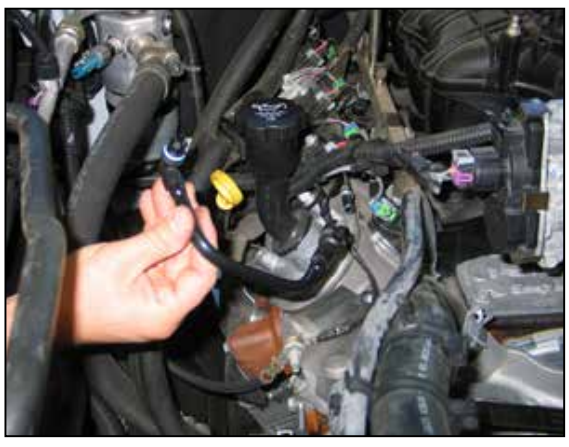
5. Disconnect the crank case vent line from the intake tube plenum as shown.



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



7. Pull up and remove the air box assembly from the vehicle as shown.



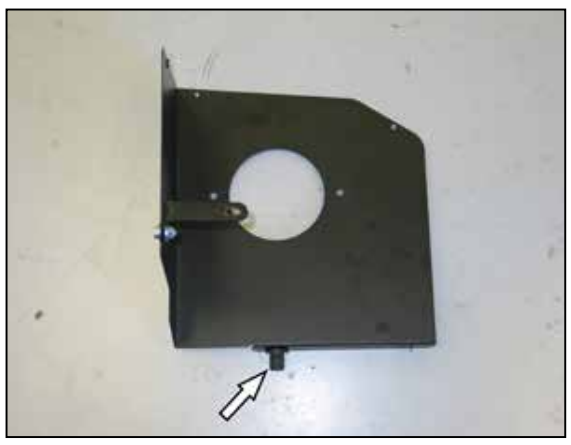
8. Rotate the crank case vent line on the valve cover, and then release the locking tab and remove the crank case vent line from valve cover port.



9. Install the heat shield mounting bracket (#010031) onto the heat shield as shown using the provided hardware.



10. Remove the air box mounting grommet show.



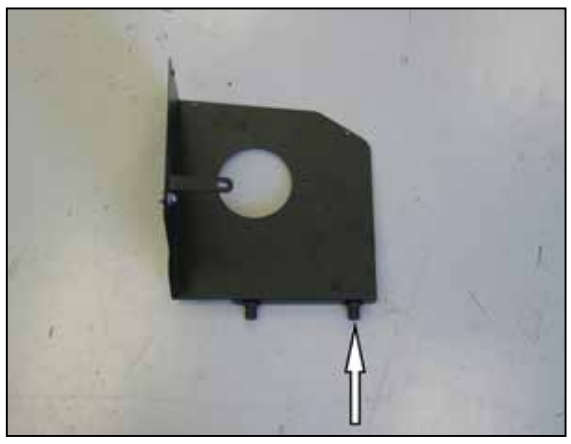
11. Secure one of the supplied 5/16” inserted nuts to the heat shield as shown using the provided hardware.



12. Set the heat shield assembly into position on the air box mounting tray so that the inserted nut sets into the air box mounting grommet hole. Mark the forward mounting location for drilling.



13. Remove the heat shield assembly and drill a 5/8”hole at the marked location.



14. Install the remaining 5/16” inserted nut onto the heat shield and secure with the provided hardware.



15. Reinstall the heat shield assembly, secure the mounting bracket to the inner fender with the provided hardware and then secure the two inserted nuts to the air box mounting tray.



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



17. Install the silicone hose (#087040) onto the filter adapter and secure with the provided hose clamp.



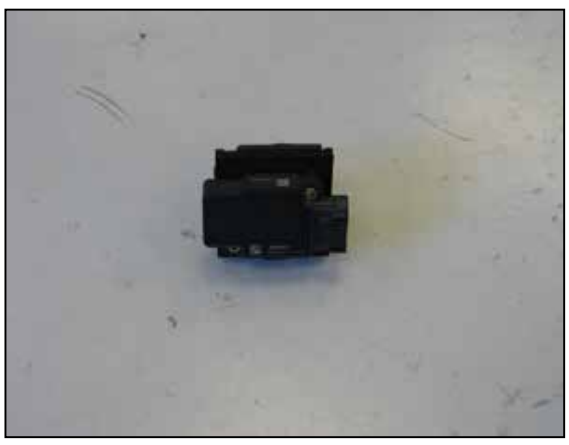
18. Install the provided silicone hose (#08625) onto the throttle body and secure with the provided hose clamp.



19. Peel the backing paper from the provided mass air sensor adapter gasket and then place the gasket onto the K&N mass air sensor adapter as shown.



20. Remove the two screws which secure the mass air sensor to the factory air box and then remove the sensor from the air box.



21. Install the mass air sensor into the K&N mass air sensor adapter and secure with the provided hardware.



22. Install the mass air sensor assembly into the K&N intake tube and secure with the provided hardware.



23. Install the provided ¼”npt fitting into the K&N intake tube as shown.



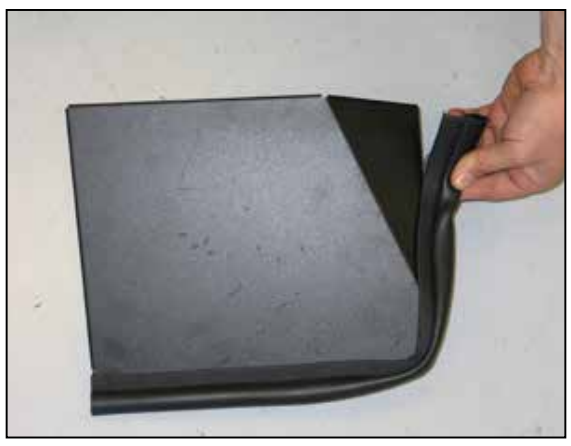
24. Install the K&N intake tube into the silicone hose at the filter adapter and then into the silicone hose at the throttle body and secure with the provided hose clamps.



25. Install the provided silicone crank case vent hose onto the valve cover vent port and then to the ¼”npt fitting in the K&N intake tube as shown.



26. Install the K&N air filter onto the filter adapter and secure with the provided hose clamp.



27. Install the provided edge trim onto the air filter cover as shown. **NOTE: Some trimming of the edge trim will be necessary.**



28. Install the air filter lid onto the heat shield and secure with the provided hardware.



29. Reconnect the mass air sensor electrical connection.



30. Reinstall the factory engine cover.



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

32. 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 50,000 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, purchase our Synthetic Filter Cleaner, part number 99-0624 and follow the easy instructions.

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