



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

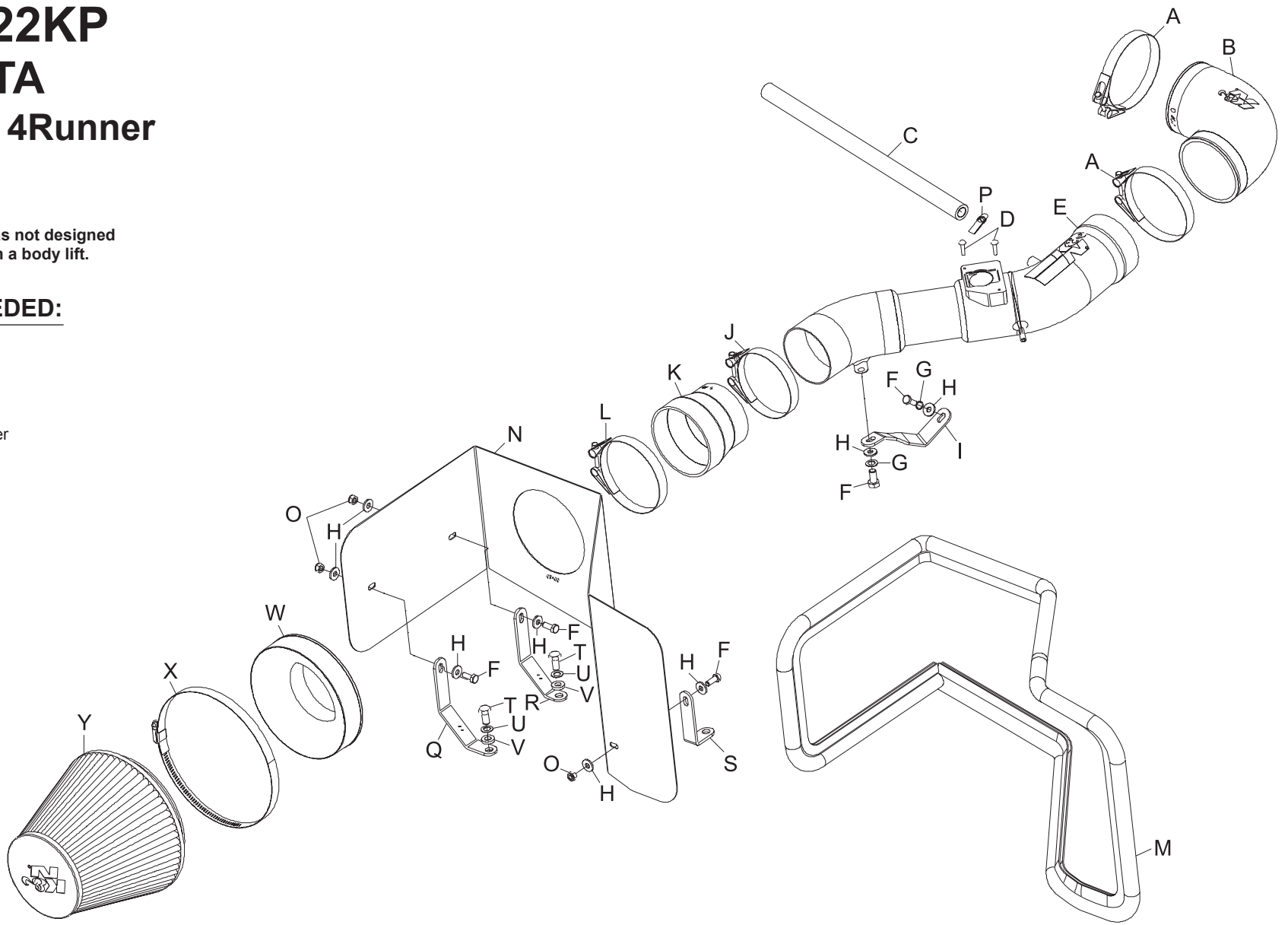
INSTALLATION INSTRUCTIONS

77-9022KP TOYOTA 2003-04 4Runner V8 4.7L

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

TOOLS NEEDED:

Ratchet
Extension
10mm Socket
12mm Socket
13mm Socket
Phillips Screwdriver
2.5mm Allen
9/64" Allen
10mm Wrench
Pliers



PARTS LIST:

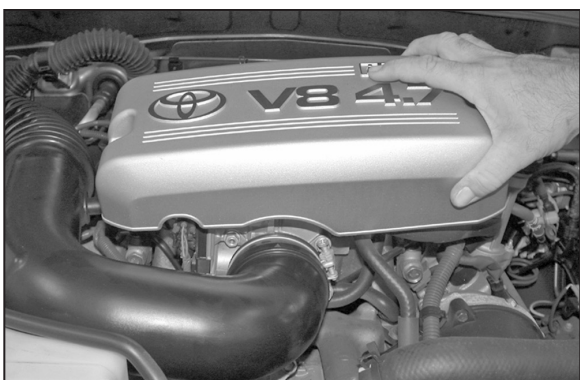
Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A hose clamp #52	2	08610	J hose clamp #44	1	08601	S bracket; small "L"	1	07158
B hose; 3.25" id 90 deg, silicone	1	084095	K hose; 3.0" id to 3.5" id, silicone	1	084055	T bolt; 8mm-1.25 x 16mm hex	2	07844
C hose; 1/2" id x 14" l silicone	1	08402	L hose clamp	1	08620	U washer; 8mm wave	2	08239
D screw buttonhead	2	07793	M edge trim 75"	1	102460	V washer; 5/16" id x 5/8" od flat	2	08276
E intake tube	1	27179KP	N heat shield	1	074005	W filter adapter #380	1	21512-1
F bolt; 6mm-1.00 x 16mm hex	5	07703	O nut; 6mm nylock	3	07553	X hose clamp #104	1	08697
G washer; 1/4" split lock	2	08198	P hose clamp; #006	1	08407	Y air filter	1	RF-1048
H washer; 1/4" id x 5/8" flat	8	08275	Q bracket; med "L"	1	07172			
I bracket; twisted "L"	1	07173	R bracket; lg. "L"	1	07171			

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

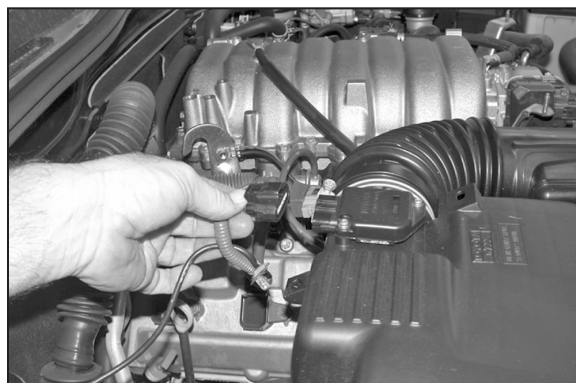
TO START:

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

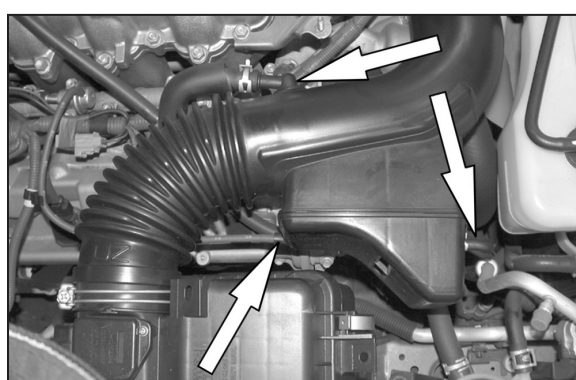
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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 two nuts that secure the throttle body cover, then remove the throttle body cover



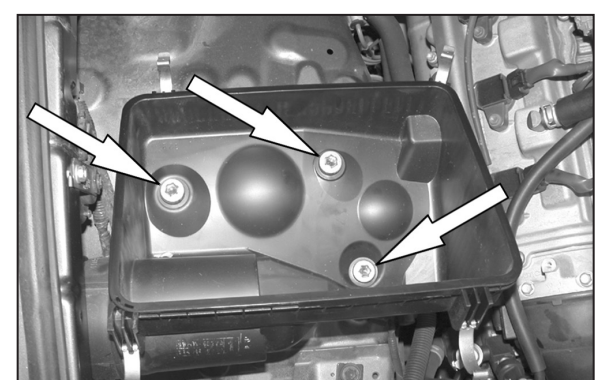
3. Disconnect the mass air sensor electrical connection, then release wire loom from air box.



4. Remove the three vent lines from the air intake resonator as shown.



5. Loosen the hose clamp at the throttle body and air box, then remove intake tube from vehicle.



6. Remove the air box lid and filter to gain access to the three bolts that retain the air box to vehicle.



7. Remove the three bolts that retain the air box to vehicle, then remove the air box.
NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.



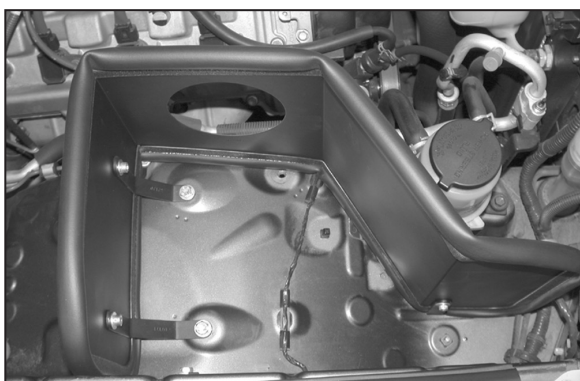
8. Remove the 12mm bolt that retains the power steering reserve to vehicle then mount the provided bracket (07158) onto the vehicle with the bolt that was removed.



9. Mount the two provided brackets onto the vehicle with the provided hardware.
NOTE: Bracket (07172) mounts closest to engine.



10. Install the edge trim onto the heat shield as shown. Trim if needed.



11. Install the heat shield onto the vehicle then secure to brackets with the provided hardware.



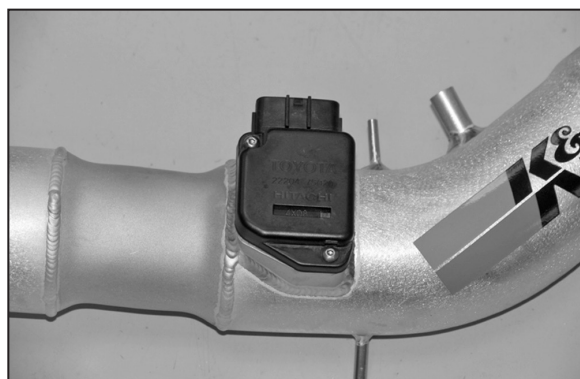
12. Install the tube mounting bracket onto the threaded boss on the cam cover with the provided hardware.



13. Install the provided silicone hose (084095) onto the throttle body with the provided hose clamp.
NOTE: The synch bolt in the #350 hose clamp at the throttle body will need to be replaced with the longer synch bolt supplied.



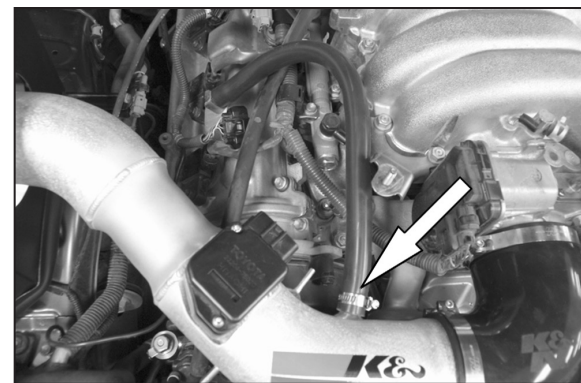
14. Remove the two screws that secure the mass air sensor to the air box lid, then remove the mass air sensor as shown.



15. Install the mass air sensor into the K&N® intake tube and secure with the provided bolts as shown.



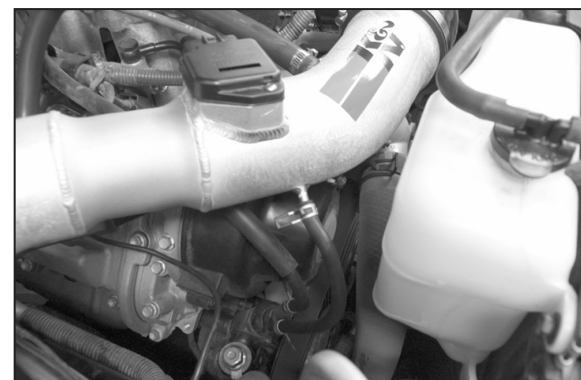
16. Install the K&N® intake tube into the silicone hose at the throttle body and align the mounting boss with the mounting bracket installed in step #12. Secure with the provided hardware.



17. Remove the factory crank case vent hose from valve cover and then install the supplied vent hose onto the valve cover and K&N® intake tube and secure with the supplied hose clamp as shown.



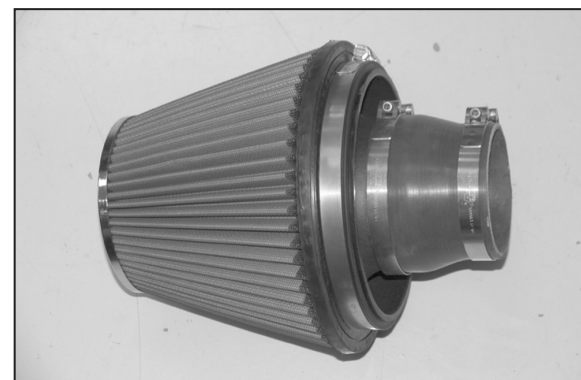
18. Connect the factory fuel pressure vent hose onto the K&N® intake tube as shown.



19. Connect the factory power steering pressure switch vent hose onto the K&N® intake tube as shown.



20. Install the filter adapter into the air filter as shown 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>.



21. Install the provided silicone hose (084055) onto the air filter assembly as shown and secure with the provided hose clamp.



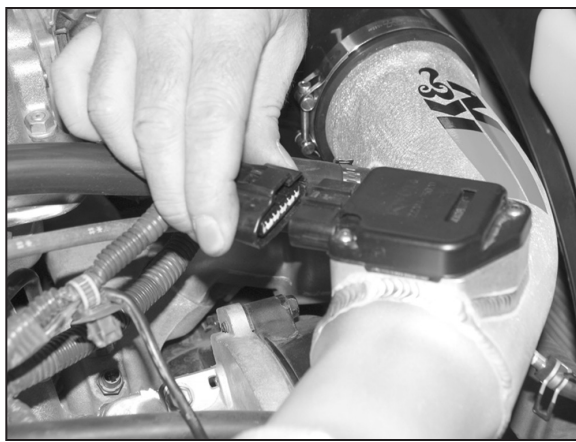
22. Install the air filter assembly onto the K&N® intake as shown and secure with the provided hose clamp.



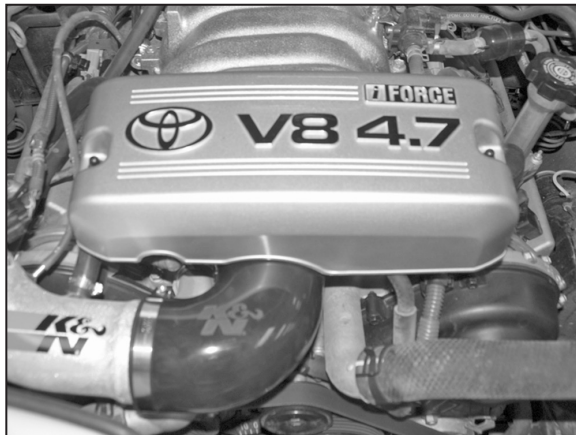
23. Disconnect the ground strap that's attached to the mass air sensor wiring harness at the inner fender as shown.



24. Using the bolt that was removed in the previous step, connect the ground strap to wheel well as shown.



25. Reconnect the mass air sensor electrical connection as shown.



26. Reinstall the throttle body cover as shown.



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

28. 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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