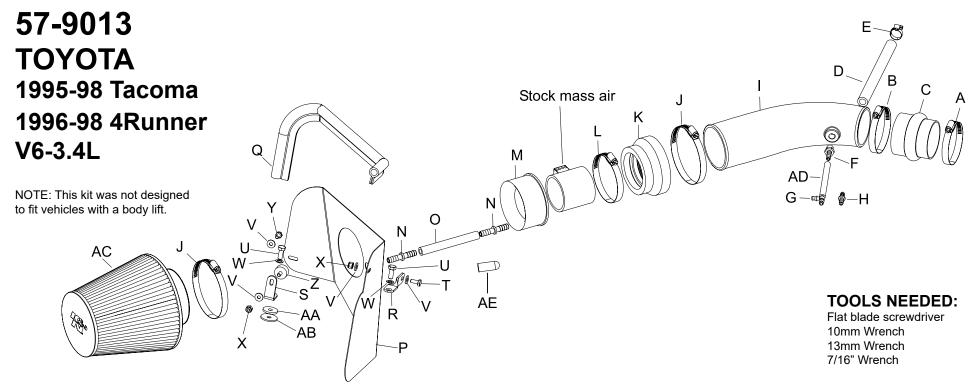




INTAKE SYSTEMS FOR VEHICLES LISTED ARE 50 STATE LEGAL. SEE KNFILTERS.COM FOR CARB STATUS ON EACH PART FOR A SPECIFIC VEHICLE.

# **INSTALLATION INSTRUCTIONS**



#### PARTS LIST:

Desc.		QTY.	Part#								
A	Hose Clamp #44	1	08577	L	Hose clamp #52	1	08610	W	Washer, Wave 8MM Spring	2	08239
В	Hose Clamp #48	1	08601	Μ	Adapter	1	21533-1	Х	Nut, 1/4-20 Nylock Zinc	2	07517
С	Hump Hose 3" to 2.75" x 3"L	1	08421	Ν	Vent, Strt., 3/8"Hose - 3/8" Hose	2	08041	Y	Bolt; 1/4-20 X 1/2 Hexhead	1	08317
D	Hose, 1/2"ID x 9"L	1	08401	0	Hose, 3/8"ID x 5"L, Blk. Rubber	1	08717	Z	Stud, 1/4-20 M/F	1	08011
Е	Hose Clamp #6 Mini	1	08407	Р	Heat Shield	1	07404	AA	Washer, 5/16-1.125" Fender	1	08130
F	Vent, Strt., 1/4 Hose, 1/4 NPT	1	08046	Q	Edge trim, 20"L	1	102494A	AB	Wsher, 1.25x.30x.10 Rubber	1	21708
G	Fuel "T"; 1/4 Hose	1	21826	R	Bracket Short Twist	1	070702	AC	Air Filter	1	RU-1029
н	Vent, Strt., 1/4"ose - 1/4" Hose	1	08042	S	Bracket "L"	1	070712A	AD	Hose, 1/4"ID x 5"l Blk. Rubber	1	08716
I	Intake Tube	1	08866-1A	Т	Bolt, 1/4-20 x 5/8 Hexhead	1	08315	AE	Cap; Rubber 3/8"ID X 1-3/8"L, Blk.	1	08214
J	Hose Clamp #64	2	08648	U	Bolt, 8mm-1.25 x 20mm	2	07787				
Κ	Adapter, Throttle Body	1	21556-1	V	Washer, 1/4"ID x 5/8"OD	4	08275				

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

#### TO START:

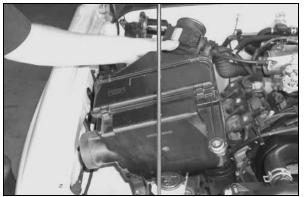
1. Turn off the ignition and disconnect the negative battery cable.

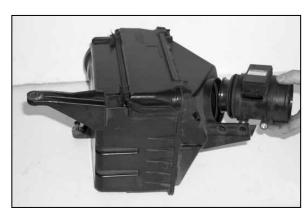
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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.





4. Unhook the wire harness from the factory intake tube, then loosen the hose clamps on the intake tube. Remove the factory intake tube as shown.





6. Loosen and remove the two bolts that secure the mass air sensor to the airbox, then remove the mass air sensor as shown.



2. Disconnect the mass air sensor electrical connection.



3. Disconnect the four vent hoses as shown above.

5. Loosen the three bolts that secure the air cleaner assembly then remove the air cleaner assembly as shown.

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

7. Remove the factory lip seal from the mass air sensor as shown.

### Continued

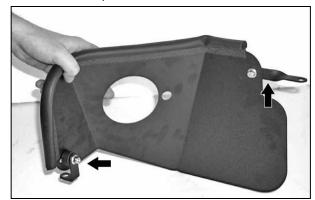
### **INSTALLATION INSTRUCTIONS**



8. Apply the trim seal to the heat shield as shown. NOTE: Some trimming of the edge may be necessary



9. Using the provided hardware, assemble the "L" bracket and bumper stud as shown.



10. Install the two brackets onto the heat shield as shown.



11. Using the provided hardware, secure the heat shield to the original air cleaner mounting holes





14. Install the plastisol adapter and hose clamps onto the mass air sensor as shown.



15. Install the filter adapter onto the mass air sensor as shown

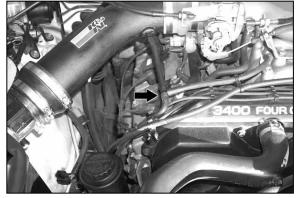


16. Install the mass air sensor assembly into the hole on the heat shield as shown.



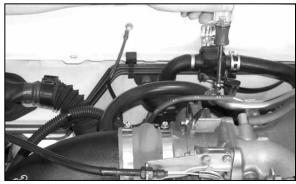
17. Slide the K&N<sup>®</sup> intake tube into the mass air adapter, then secure the other end onto the throttle body as shown.





20. Install the rubber hose and vacuum "T" as shown.

NOTE: Some vehicles require the use of the provided straight vent instead of the vacuum "T".



21. Remove the stock crankcase vent hose and replace it with the provided silicone hose and hose clamp. Secure it to the vent on the K&N<sup>®</sup> intake tube.



22. Install the vent hose with hose menders from step #19 into the K&N<sup>®</sup> air filter as shown. NOTE: On vehicles NOT equipped with an EVAP line attached to the airbox, install the hose mender with vent cap into the filter; the vacuum line will not be used.



23. Install the K&N $^{\circ}$  air filter onto the filter adapter and slide the vent hose through the hole in the heat shield.

NOTE: Drycharger<sup>®</sup> air filter wrap; part #

12. Install the silicone hump hose and hose clamps onto the  $K\&N^{\mbox{\tiny @}}$  intake tube as shown.



13. Install the 1/4" npt fitting onto the K&N $^{\circ}$  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.

18. Assemble the provided vacuum "T" and rubber hose as shown.



19. Assemble the two hose menders and rubber hose as shown.

NOTE: On vehicles NOT equipped with an EVAP line attached to the airbox, one of the hose menders and the vacuum line will not be used. Install the provided vent cap onto the remaining hose mender. RF-1029DK is available to purchase separately. To learn more about Drycharger<sup>®</sup> filter wraps or look up color availability please visit http://www.knfilters.com<sup>®</sup>.



24. On vehicles equipped with a EVAP vent line attached to the airbox, connect the factory EVAP line to the hose mender/vent line installed into the K&N<sup>®</sup> air filter during step #22.

## Continued





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



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

27. 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.

28. It will be necessary for all K&N<sup>®</sup> 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. 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 buildup. When the element becomes covered in dirt (or once a year), service it according to the instructions on the Recharger<sup>®</sup> service kit, part number 99-5050 or 99-5000.

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

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