

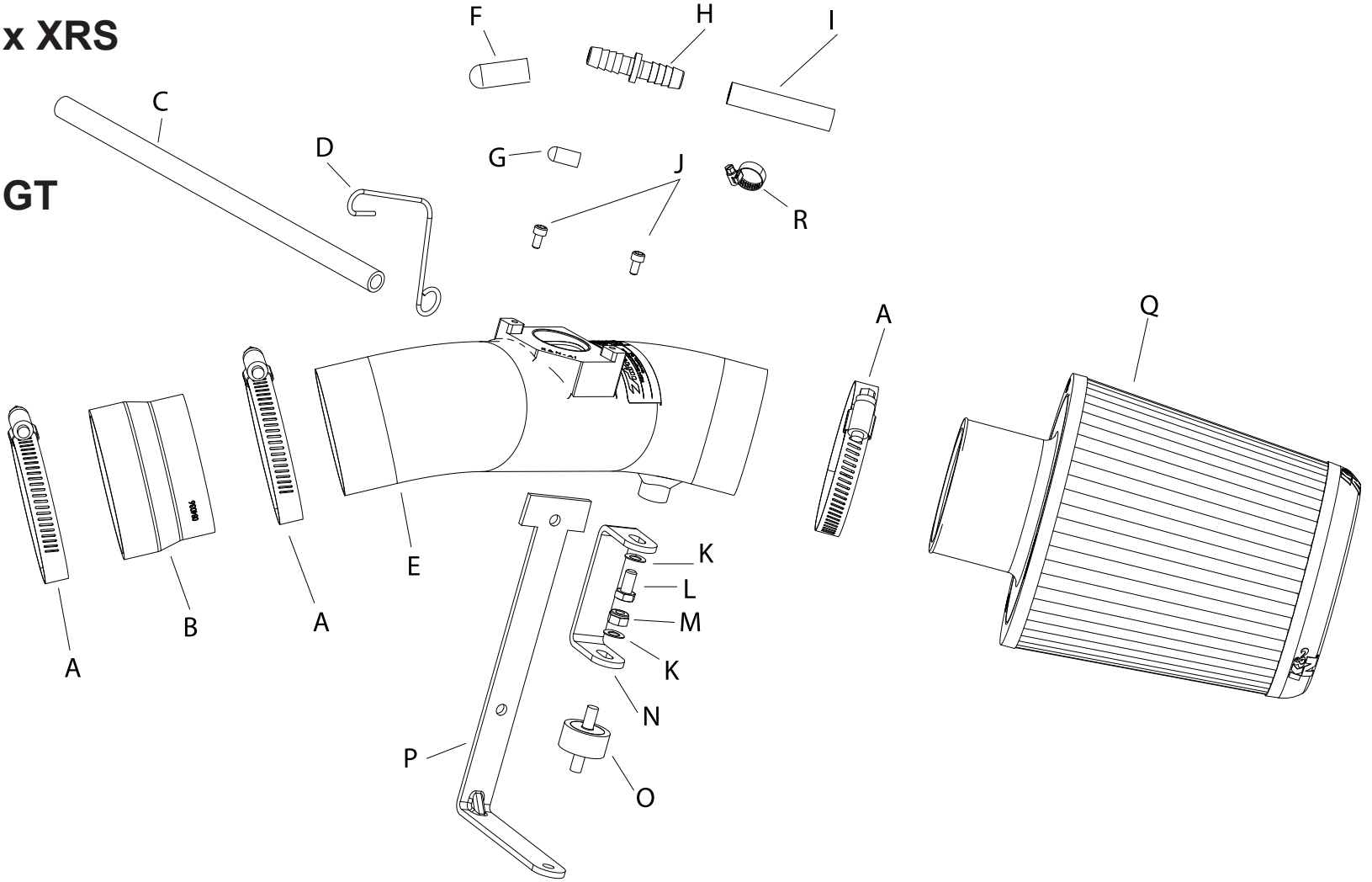


# TYPHOON INTAKE SYSTEMS

SOME INTAKE SYSTEMS ARE 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

**69-8601TP**  
**69-8601TR**  
**TOYOTA**  
**2003-06 Matrix XRS**  
**L4-1.8L**  
**PONTIAC**  
**2003-06 Vibe GT**  
**L4-1.8L**



### TOOLS NEEDED:

- Phillips Screwdriver
- Flat Blade Screwdriver
- Pliers
- Needle nose pliers
- Ratchet
- 6" Extension
- 14" Extension
- 10mm Socket
- 3mm Allen Wrench
- 4mm Allen Wrench

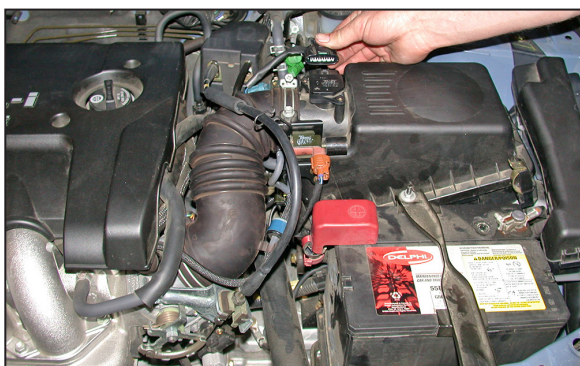
### PARTS LIST:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A Hose Clamp #44	3	08560	G Rubber Cap Plus, Small	1	08282	M 6mm Nylock Nut	1	07512
B Silicone Step Hose	1	084036	H Hose Mender, 1/4"-1/4"	1	08041	N "C" Bracket	1	070052
C Silicone Hose; 8mm X 10"L	1	08156	I Silicone Hose, 8mm X 2-1/4"L	1	08062	O 6mm Rubber Mounted Stud	1	07027
D Wire Hanger	1	21902	J Cap Screw, 4mm X 8mm L	2	07733	P "L" Bracket	1	020009
E Intake Tube	1	27111	K 6mm Wave Washer	2	08277	Q Air Filter	1	RU-4960
F Rubber Cap Plug, Large	1	08214	L Hex Bolt, 6mm X 16mm L	1	07812	R Hose Clamp #6	1	08407

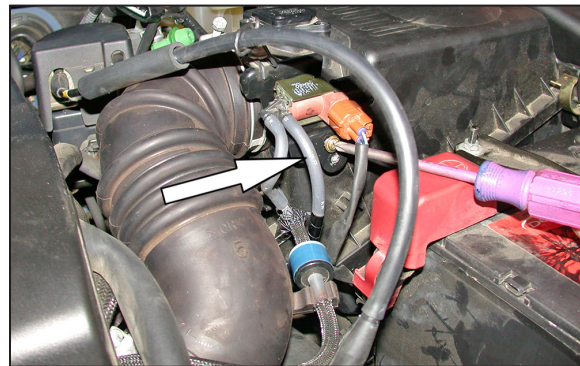
**NOTE: FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS AND NOT USING THE PROVIDED HARDWARE MAY DAMAGE THE INTAKE TUBE, THROTTLE BODY AND ENGINE.**

### 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.**



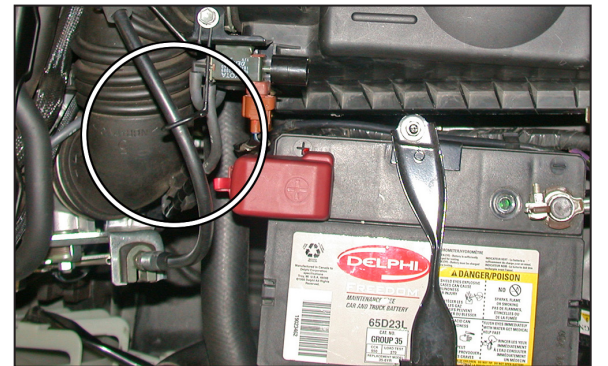
2. Disconnect the mass air sensor electrical connection as shown.



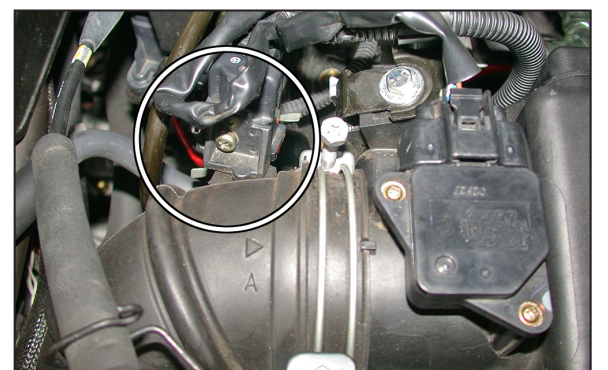
3. Remove the two screws that secure the vacuum switching valve to the air cleaner assembly as shown.



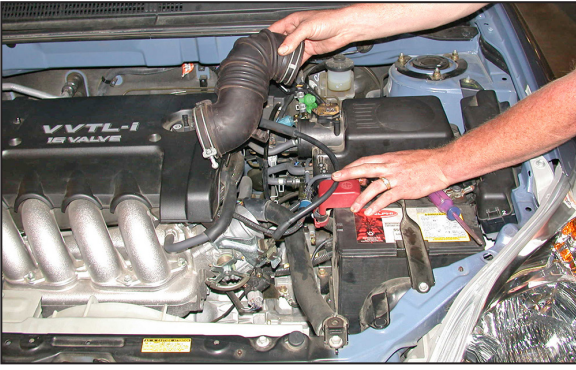
4. Remove the stock bracket from the vacuum switching valve as shown.



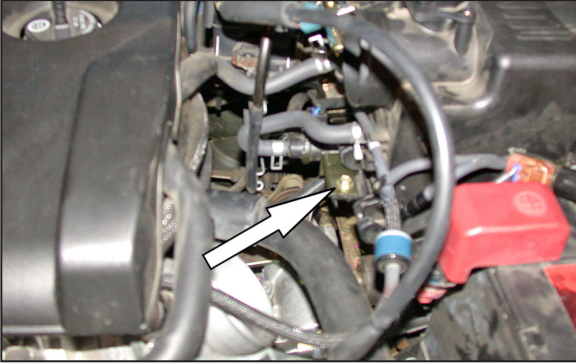
5. Unclip the vacuum switching valve hose from the intake tube.



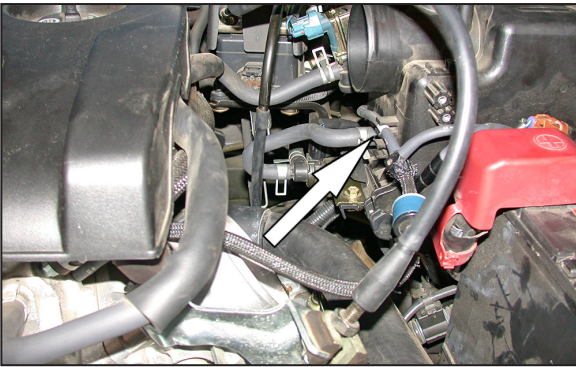
6. Remove screw from PWM switching valve.



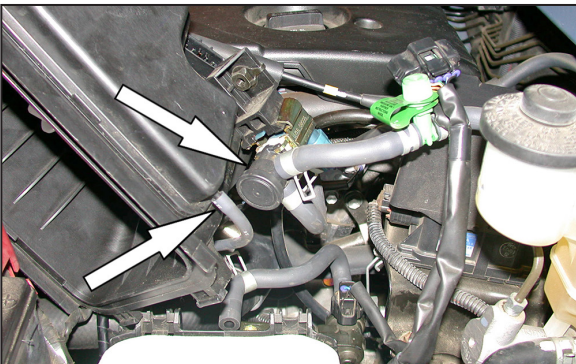
7. Loosen the hose clamps at the throttle body and at the air cleaner assembly, then, remove the stock intake tube as shown.



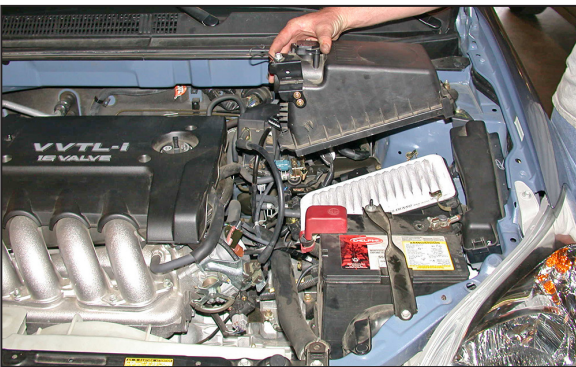
8. On vehicles equipped with an EVAP canister closed valve, disconnect the vent line from the air cleaner assembly.



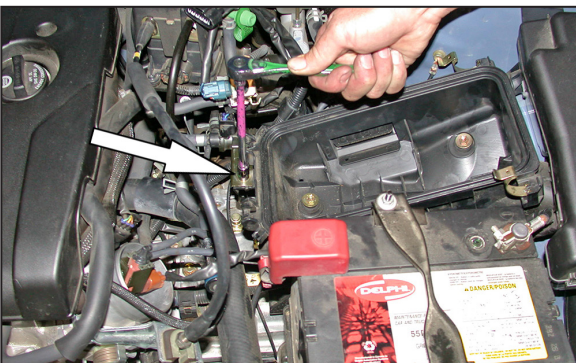
9. Unclip vacuum switching valve hoses from air box, then unclip the PWM switching valve wire harness from upper air box assembly.



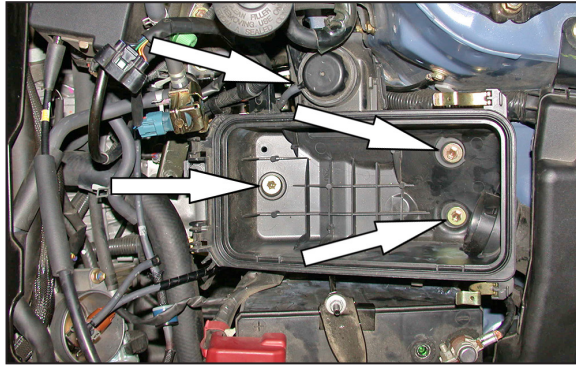
10. Unclip the upper air cleaner assembly, then, tilt upwards to unclip the PWM vacuum switching valve and the vacuum hose as shown.



11. Remove the upper air cleaner assembly as shown.



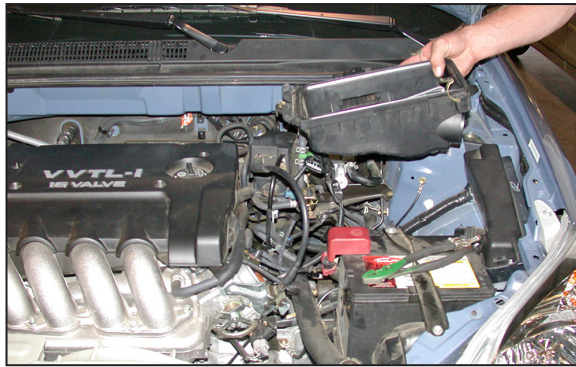
12. On vehicles equipped with EVAP canister closed valve, remove the bolt that secures the EVAP OBD canister closed valve to the lower air box assembly.



13. Loosen and remove the three bolts that secure the lower air cleaner assembly as shown. Also disconnect the vacuum hose from the butterfly valve as pictured.

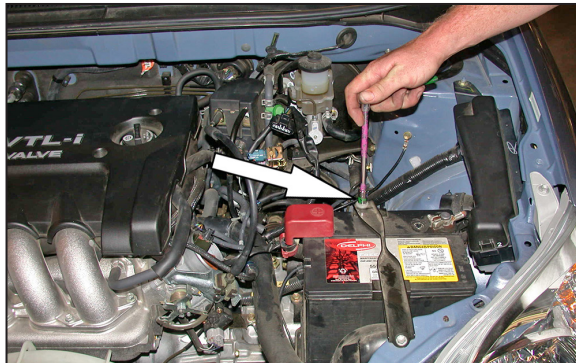


14. Tilt the lower air cleaner assembly upwards to unclip the wire harness as shown.

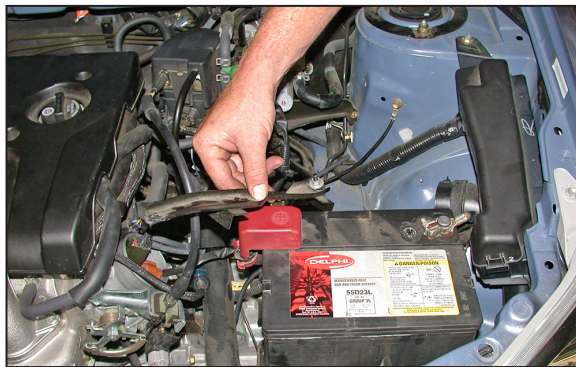


15. Remove the lower air cleaner assembly as shown.

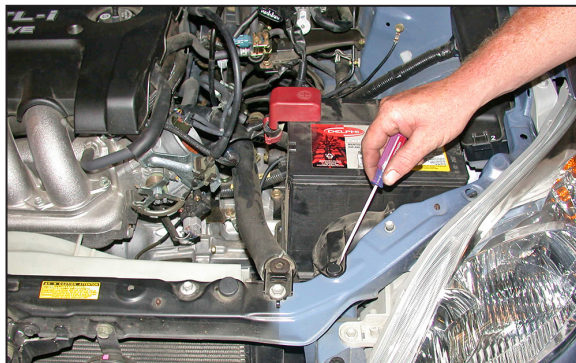
**NOTE: K&N Engineering, Inc., recommends that customers do not discard the factory air intake.**



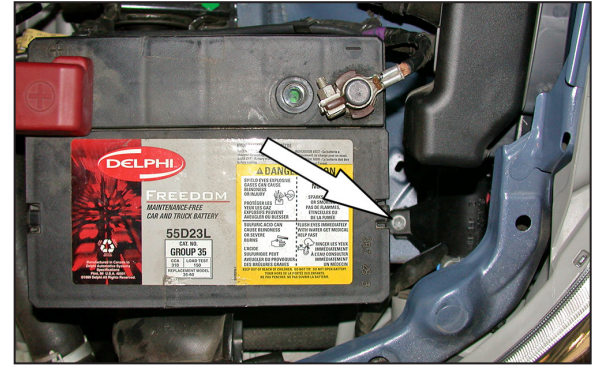
16. Loosen the battery hold down bracket as shown.



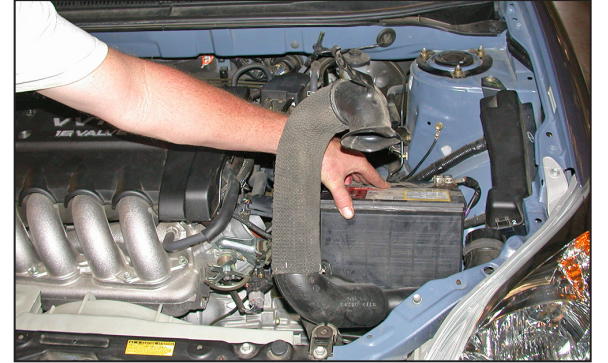
17. Remove the bolt that secures the battery hold down bracket to the radiator core support, then, remove the battery hold down bracket as shown.



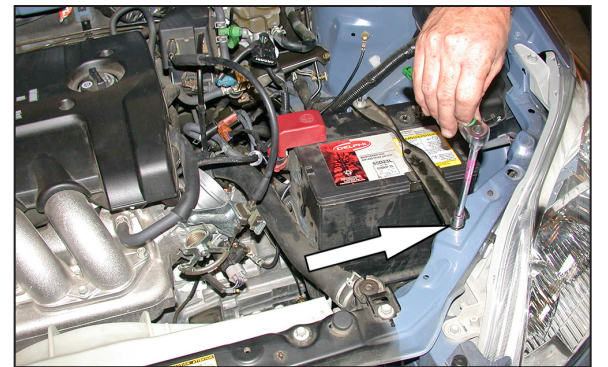
18. Remove the push clip that secures the air inlet duct to the radiator core support as shown.



19. Loosen and remove the bolt that secures the air inlet duct to the inner fender as shown.



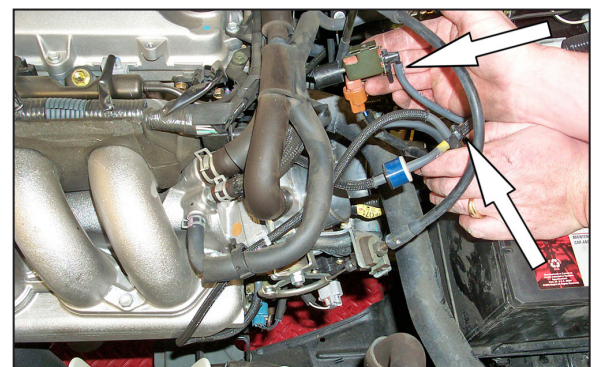
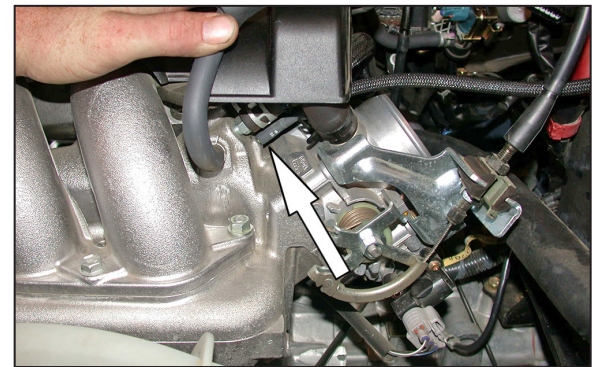
20. Tilt that battery backwards, then, remove the air inlet duct as shown.



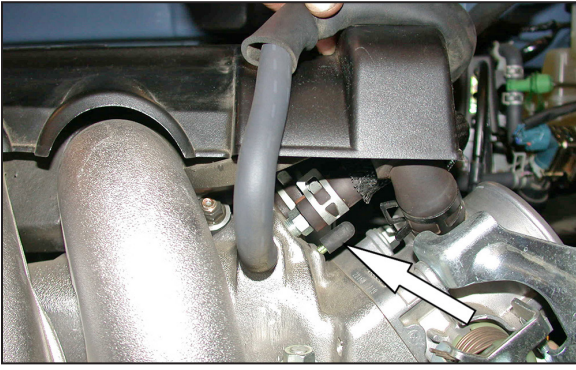
21. Reinstall the battery hold down bracket as shown.



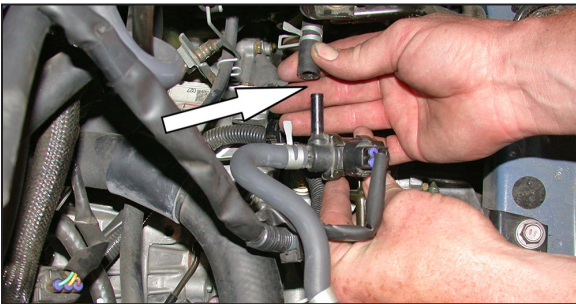
22. Disconnect the two vacuum hoses from the vacuum switching valve as shown.



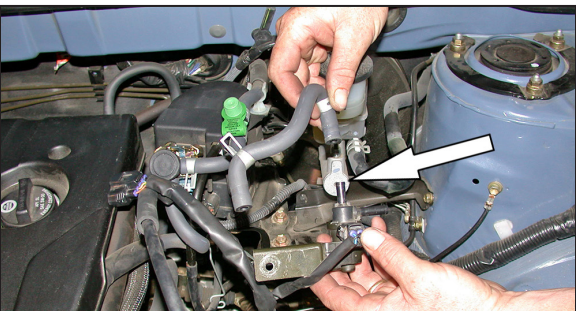
23. On 2003 model year vehicles, remove the vacuum hose from the intake manifold as shown. On '04-06 models, remove vacuum hose from the vacuum switching valve and the "T" fitting as shown.



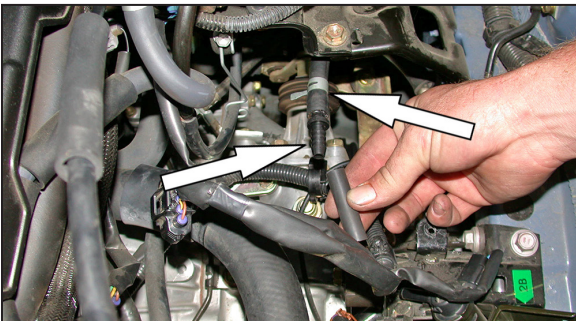
24. On 2003 model year vehicles, install the rubber cap plug onto the vent on the manifold as shown. On '04-06 models, install the rubber cap plug onto the "T" fitting as shown.



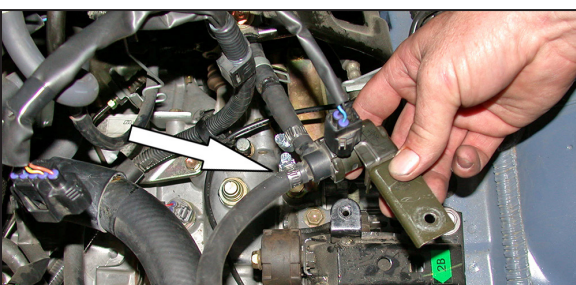
25. On vehicles equipped with the EVAP OBD canister closed valve from step #12, pull the hose clamp back and disconnect the EVAP OBD canister closed valve as shown. All others skip to step #29.



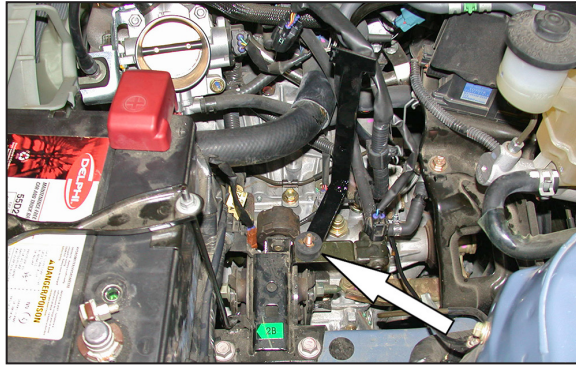
26. Remove the stock hose from the EVAP OBD canister closed valve as shown.



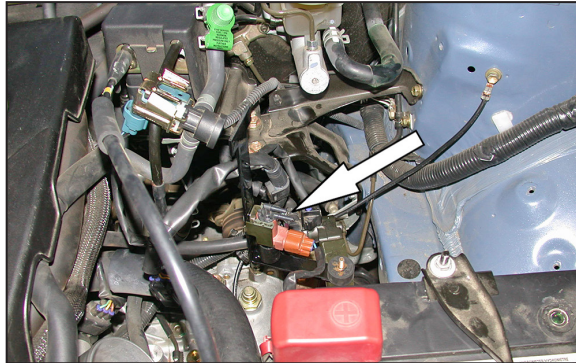
27. Insert the provided hose mender into the stock hose from step 25, then, slide the provided silicone hose onto the end of the hose mender as shown.



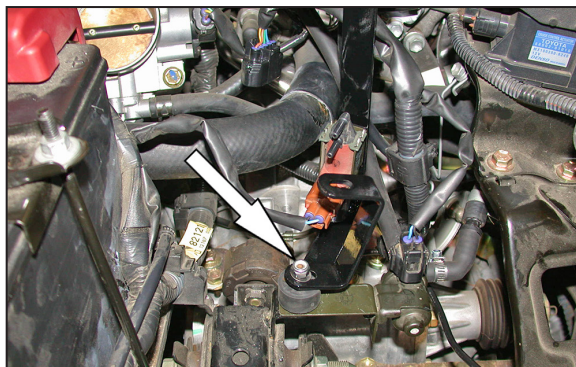
28. Slide the EVAP OBD canister closed valve into the hose from step 27.



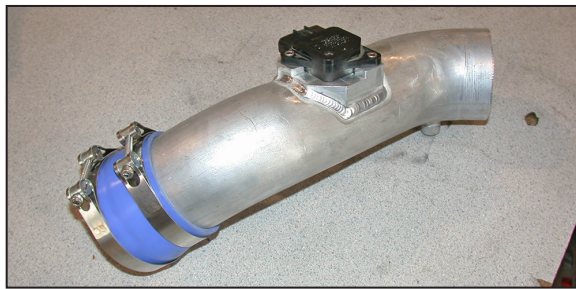
29. Secure the provided "L" bracket and the stock EVAP OBD canister closed valve bracket to the original air cleaner mount, using the provided rubber mounted stud.



30. Secure the vacuum switching valve to the "L" bracket using the screw removed in step 4.



31. Install the "C" bracket to the rubber mounted stud using the provided hardware, but do not tighten completely.



32. Install the mass air sensor into the adapter on the Typhoon® intake tube and secure with the provided hardware. Then install the silicone hose and hose clamps.

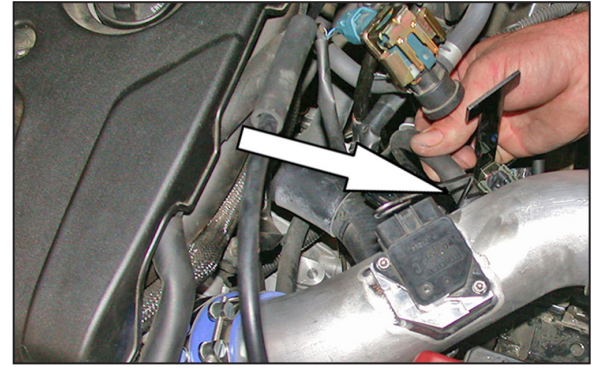
**NOTE: On 05-06 models, attach vent cap to vent tube onto the Typhoon® intake tube.**



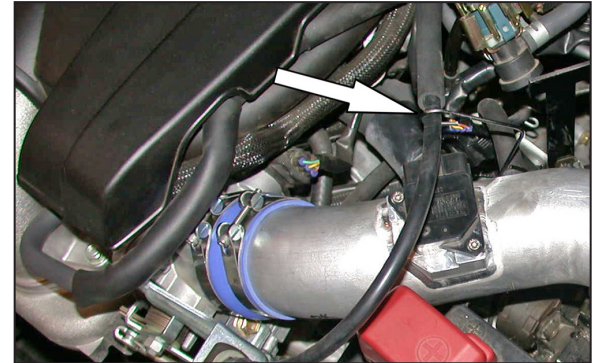
33. Slide the tube onto the throttle body but do not tighten completely at this time.



34. Secure the "C" bracket to the threaded boss on the intake tube using the provided hardware.



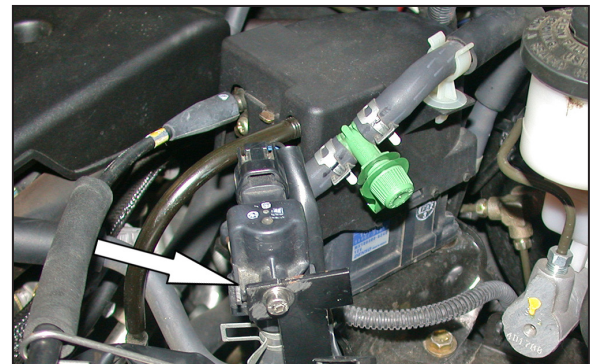
35. Slide the wire hanger onto the vent on the Typhoon® intake tube, then, on 03-04 models connect the hose from the EVAP OBD canister closed valve onto the vent as shown.



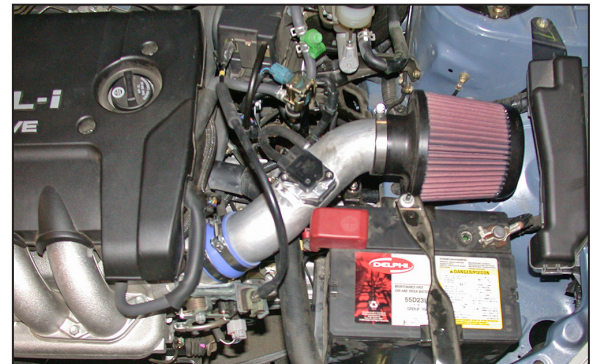
36. Slide the throttle cable into the wire hanger as shown.



37a. On vehicles that use a clip type PWM vacuum switching valve, slide the valve onto the "L" bracket as shown.



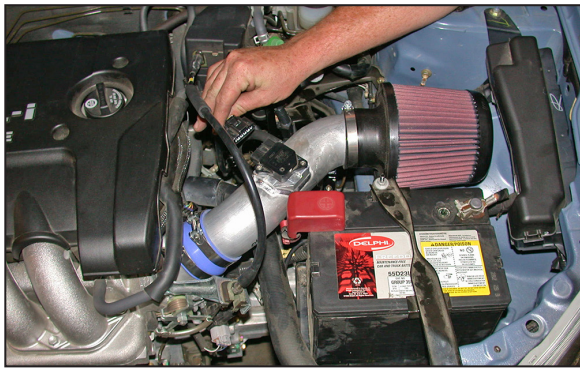
37b. On vehicles that use a screw to secure the PWM switching valve, secure the valve to the "L" bracket using the screw removed in step #6.



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

**NOTE: Drycharger® air filter wrap; part # RX-4990DK is available to purchase separately. To learn more about Drycharger® filter wraps or look up color availability please visit <http://www.knfilters.com>.**

39. Tighten all hardware and hose clamps and check for clearance.



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



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

42. 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.

43. 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.

**SOME INTAKE SYSTEMS ARE NOT LEGAL FOR SALE OR USE ON ANY POLLUTION CONTROLLED MOTOR VEHICLE IN CALIFORNIA OR STATES ADOPTING CALIFORNIA EMISSION PROCEDURES.**

See [knfilters.com](http://knfilters.com) for CARB status on each part for a specific vehicle