K&N® TYPHOON® INTAKE SYSTEMS

LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES WHICH MAY NEVER BE USED, REGISTERED OR LICENSED FOR USE UPON A HIGHWAY.

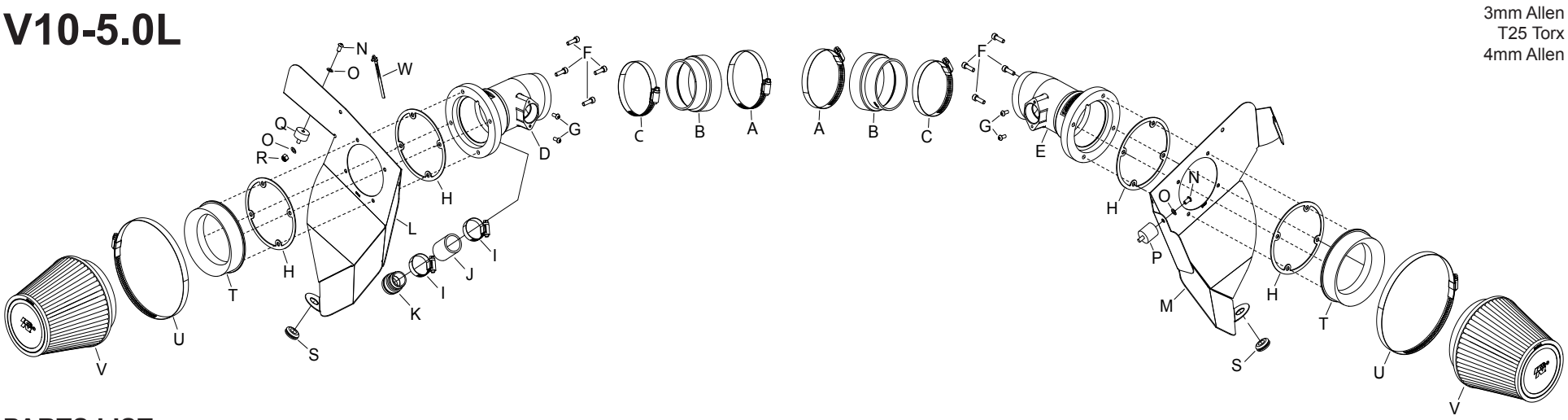
See knfilters.com for CARB status on each part for a specific vehicle

INSTALLATION INSTRUCTIONS

69-2003TFK
BMW
2006-07 M5
V10-5.0L

TOOLS NEEDED:

Ratchet
Extension
10mm socket
T27 TORX socket
10mm wrench
Flat blade screw driver
3mm Allen
T25 Torx
4mm Allen



PARTS LIST:

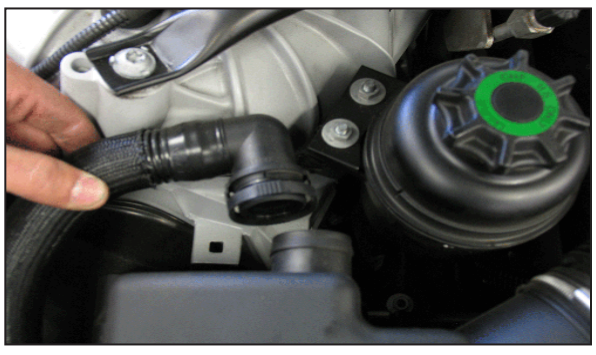
	Description	Qty.	Part #		Description	Qty.	Part #		Description	Qty.	Part #
A	Hose Clamp #56	2	08620	I	Hose Clamp #16	2	08413	Q	Stud; M/F, 1/2”Lx1”W, M6x1.00	1	070228
B	Hose; 3.63” to 3.25”x2”L, Step	2	084073	J	Hose; 1-1/8”ID X 2”L, Silicone	1	084074	R	Nut; 6mm Nylock, Hex Head, SS	1	07512
C	Hose Clamp #52	2	08610	K	Adaptor; 1-1/8”OD	1	088012	S	Grommet; 1”od, 3/16”id, 3/8”thk	2	08054
D	Tube P	1	27284-1	L	Heat Shield; STL, P	1	07348	T	Adaptor; 5”OD, #450, Grivory	2	08839
E	Tube D	1	27283	M	Heat Shield; STL, D	1	07347	U	Hose Clamp #80	2	08694
F	Bolt; M6x1.00” 20mm C/H/A, SS	8	07860	N	Bolt; M6x1.00” 12mm B/H, SS	2	07794	V	Air Filter	2	RU-5147
G	Bolt; M5 - 0.8 X 12mm B/H, SS	4	07734	O	Washer; 6mm Wave, SS	3	08277	W	Cable Tie; Push Mount 4”L	1	21594
H	Gasket; 69-2000, 1/16”THK,	4	09087	P	Stud; Mnt, M/F, 1”L , M6x1.00	1	02033				

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

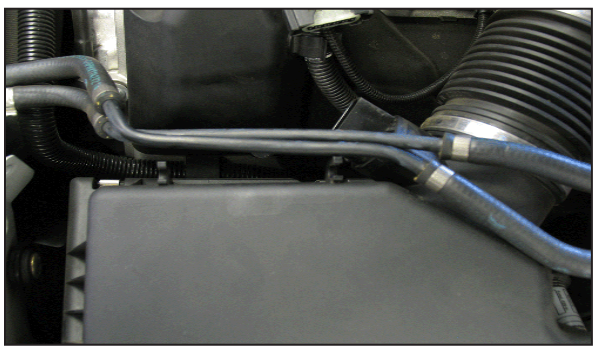
TO START:

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 left and right mass air sensor electrical connections.

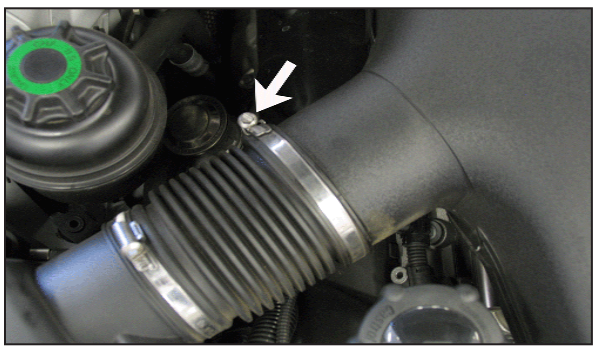


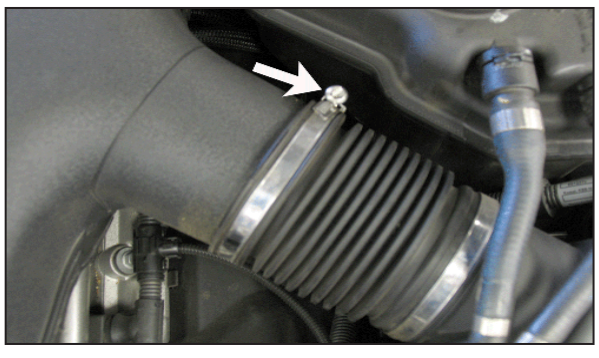
3. Disconnect the air injection tube from the right upper air filter housing.



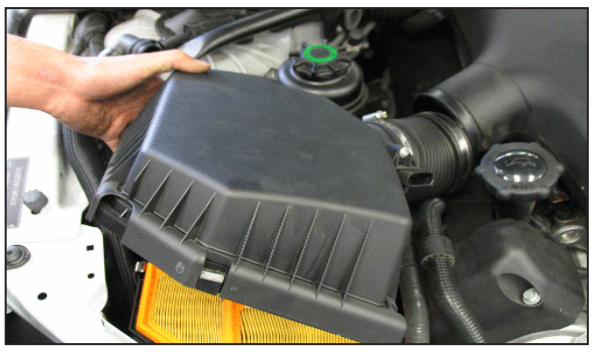
4. Unhook the coolant lines from the clips on the left upper air box housing.

5. Unhook the windshield washer fill hose from the left upper air box housing.



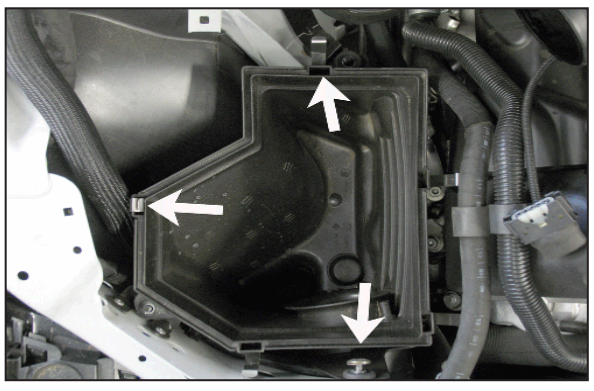


6. Loosen the hose clamps that secure the intake hoses to the intake plenums.

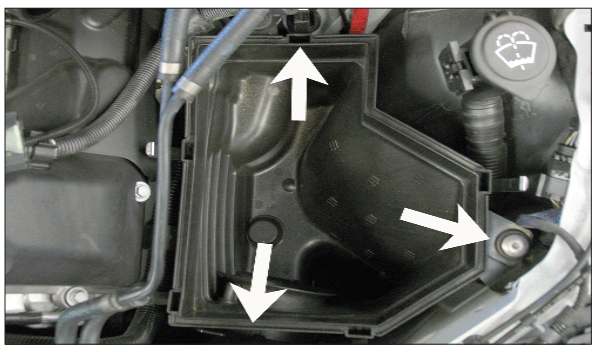


7. Unclip and remove the right upper air box housings and stock filter elements.

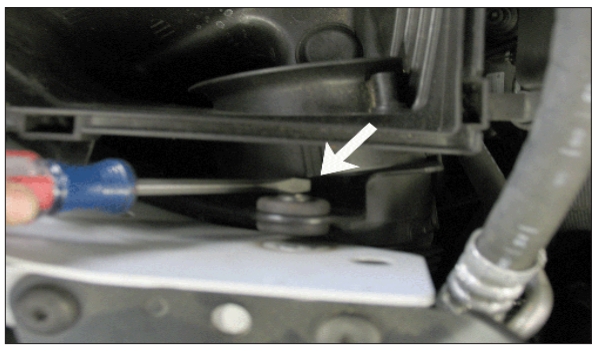
8. Unclip and remove the left upper air box housings and stock filter elements.



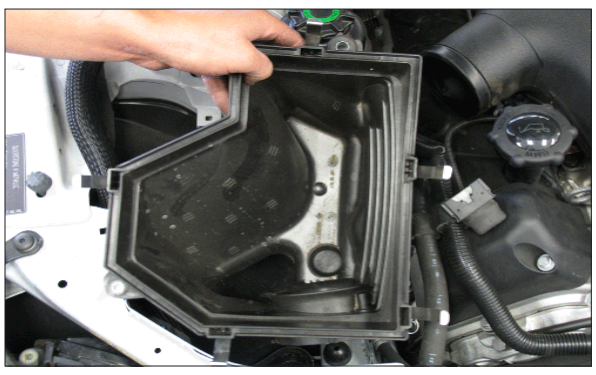
9. Remove the two nuts that secure the right lower air box and the TORX bolt that secures the right fresh air intake tube to the right lower air box shown.



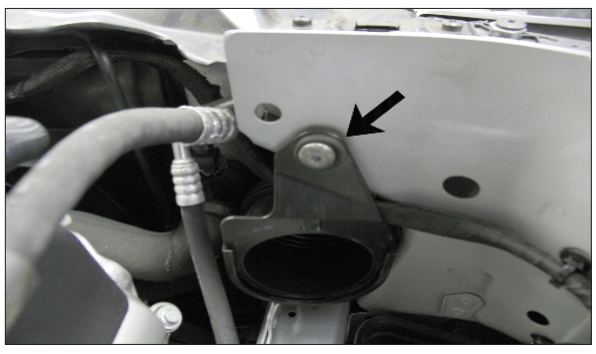
10.Remove the nut and TORX bolt that secures the left lower air box and the TORX bolt that secures the left fresh air intake tube to the left lower air box shown.



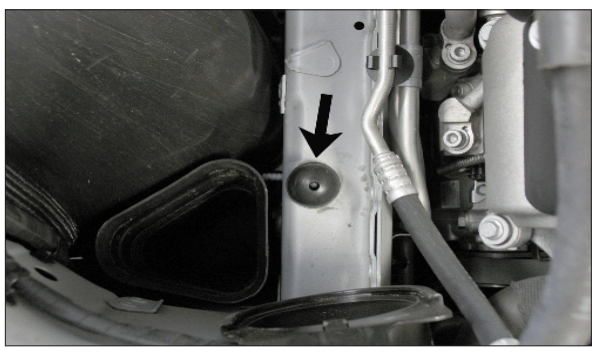
11. Release the locking tab which retains the right fresh air intake tube to the right lower air box; lift the lower air box to disconnect the fresh air tube from the air box.



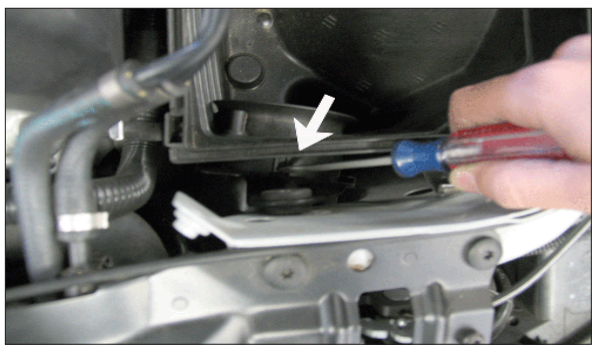
12. Remove the right lower air box from the vehicle.



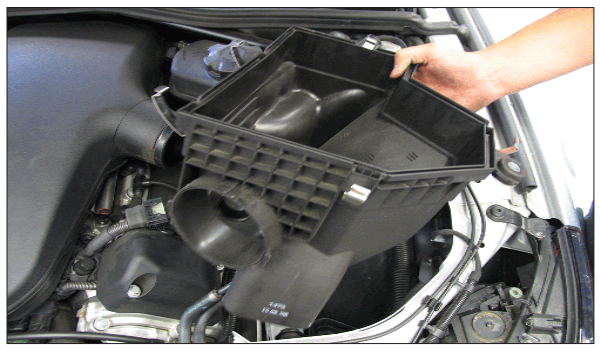
13. Reinstall the TORX bolt which secures the fresh air tube removed in step #9.



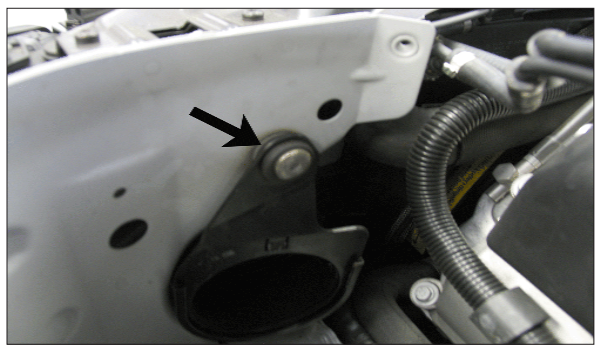
14. Remove the right lower air box mounting bumper shown.



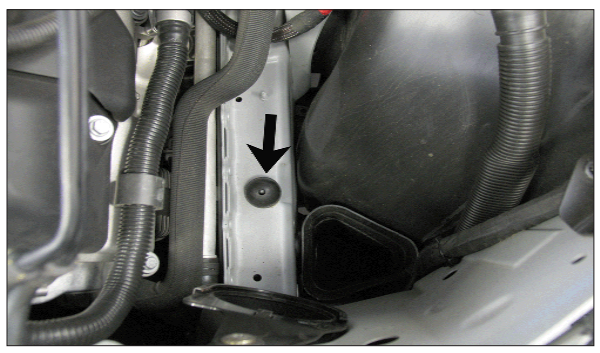
15. Release the locking tab which retains the left fresh air intake tube to the right lower air box; lift the lower air box to disconnect the fresh air tube from the air box.



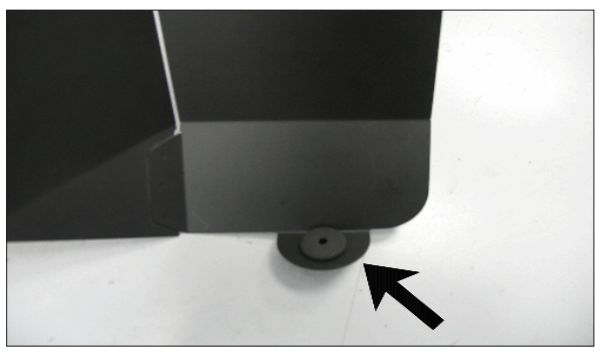
16. Remove the left lower air box from the vehicle.
NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.

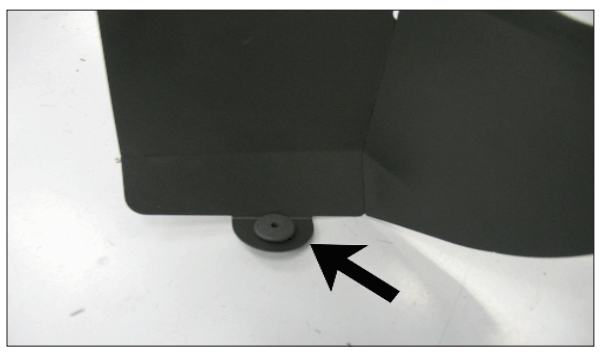


17. Reinstall the TORX bolt which secures the fresh air tube removed in step #10.

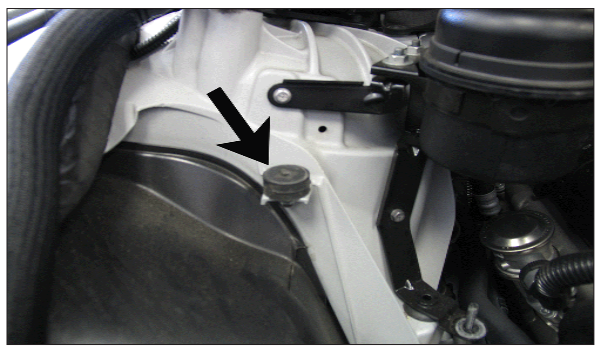


18. Remove the left lower air box mounting bumper shown.

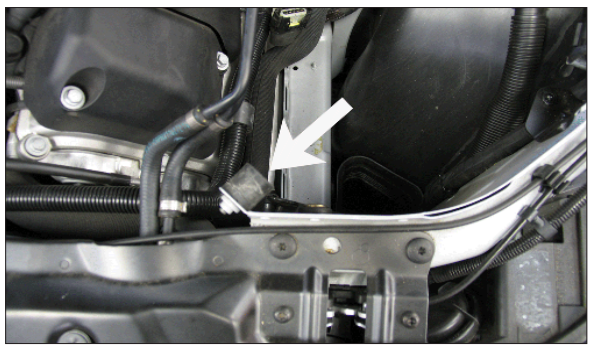




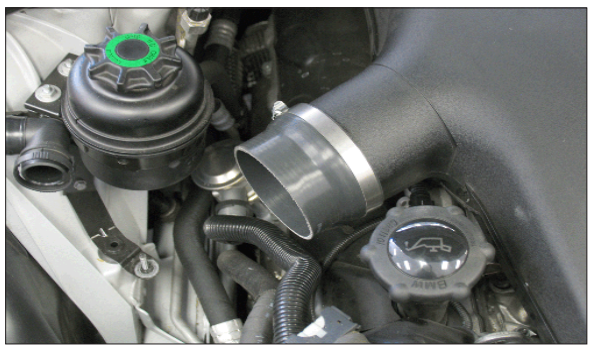
19. Install the provided grommets into the 11/16”id holes in the bottom of the heat shield as shown.



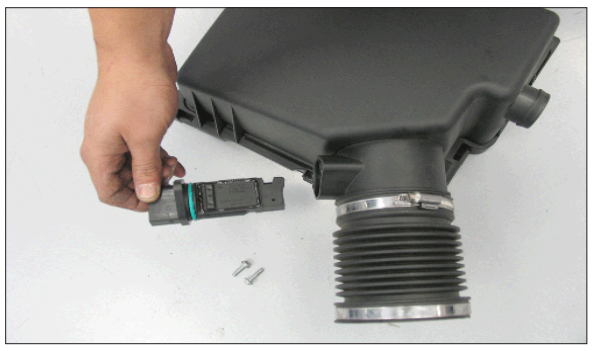
20. Install the provided short rubber mounted stud onto the air box mounting tab on the right inner fender as shown.



21. Install the long rubber mounted stud onto the mounting tab protruding from the radiator core support as shown.

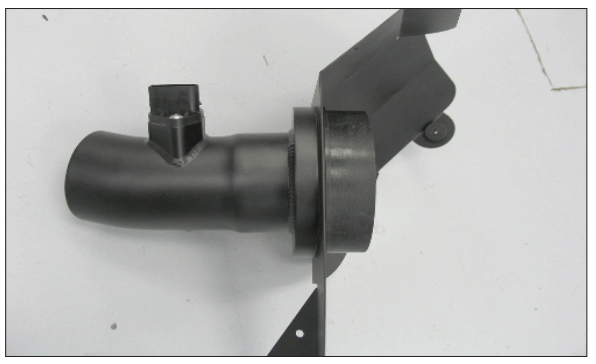


22. Install the silicone hoses onto the intake plenum and secure with the provided hose clamps.

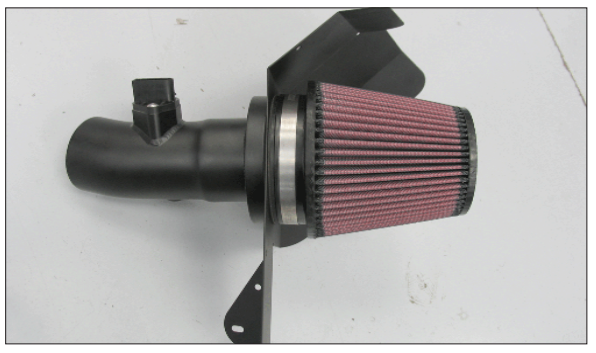


23. Remove the two screws that secure the mass air sensor to the right upper air box and then remove the mass air sensor as shown.

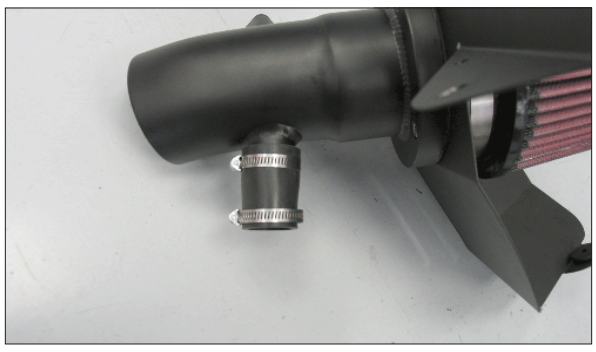
24. Install the mass air sensor into the right intake tube (27284-1) and secure with the provided hardware.



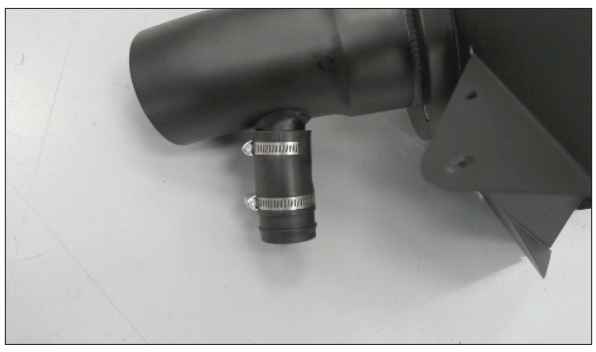
25. Assemble the right intake tube, heat shield, and filter adapter using the supplied gaskets and hardware.
NOTE: Use two gaskets, one on either side of the heat shield between the filter adapter and intake tube.



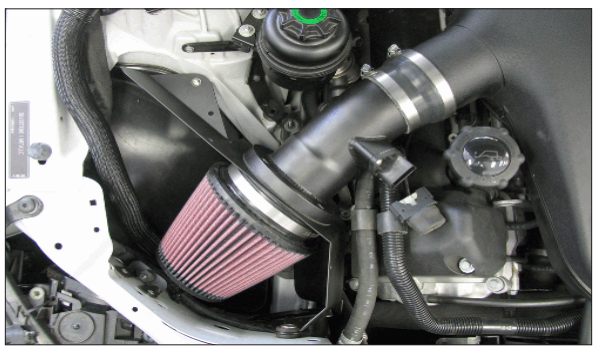
26. Install the air filter onto the filter adapter and secure with the provided hose clamp.



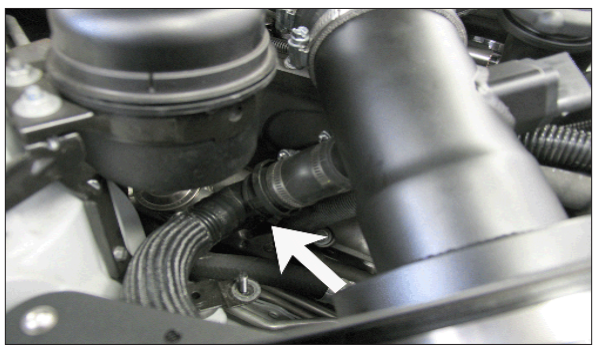
27. Install the provided air injection hose onto the intake tube and secure with the provided hose clamp as shown.



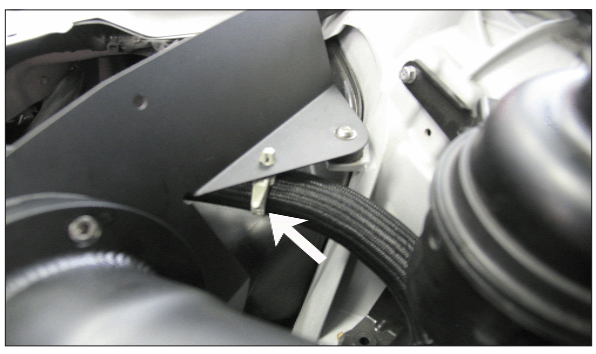
28. Install the quick disconnect fitting into the air injection hose and secure with the provided hose clamp.



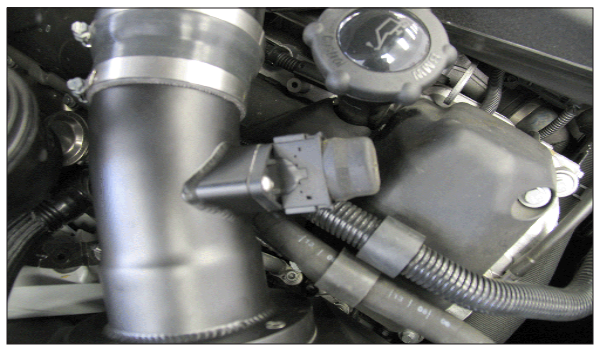
29. Install the right intake tube into the silicone hose on the intake plenum, align the grommet in the bottom hole of the heat shield with air box bumper stud on the inner fender and then secure the heat shield to the rubber mounted stud installed on the inner fender during step #20.



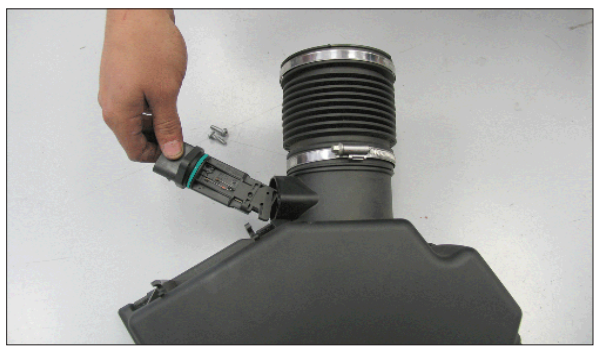
30. Route the air injection hose under the heat shield and connect to the silicone hose on the intake tube and secure with the provided hose clamp as shown.



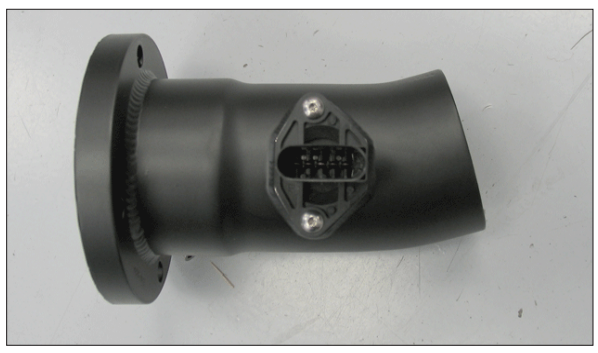
31. Install the supplied cable tie through the hole in the heat shield and then secure the air injection hose as shown.



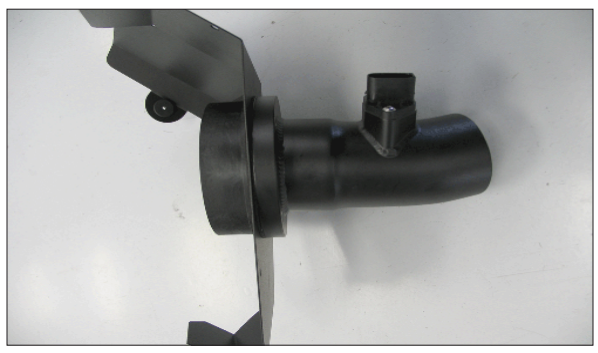
32. Reconnect the right mass air sensor electrical connection.



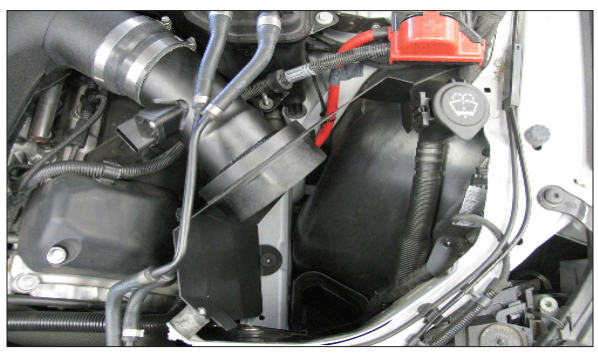
33. Remove the two screws that secure the left mass air sensor to the left upper air box and then remove the mass air sensor.



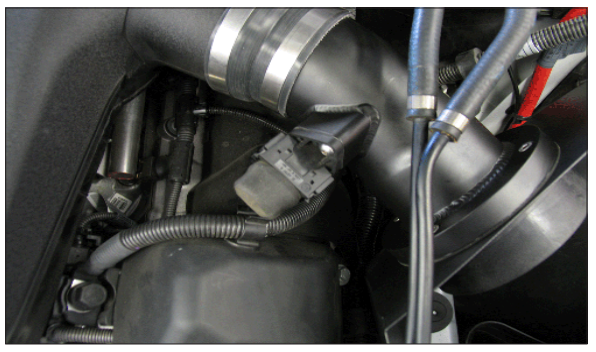
34. Install the mass air sensor into the left intake tube (27283) and secure with the provided hardware.



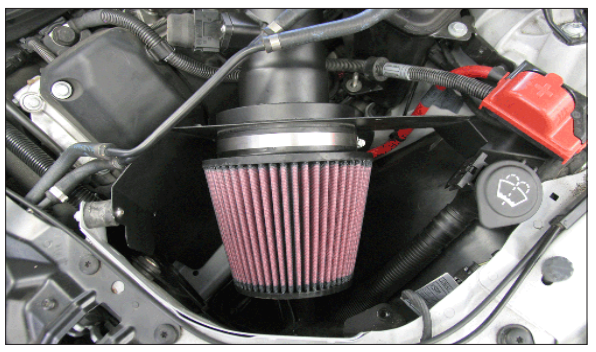
35. Assemble the left intake tube, heat shield, and filter adapter using the supplied gaskets and hardware.
NOTE: Use two gaskets, one on either side of the heat shield between the filter adapter and intake tube.



36. Install the left intake tube into the silicone hose on the intake plenum, align the grommet in the bottom hole of the heat shield with air box bumper stud on the inner fender and then secure the heat shield to the rubber mounted stud installed on the radiator core support during step #21.
NOTE: Attach windshield washer fill hose to heat shield.



37. Reconnect the left mass air sensor electrical connection.



38. Install the air filter and secure with the provided hose clamp.

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

40. 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., suggests checking the air filter element periodically for excessive dirt build-up. When the element becomes covered in dirt (or once a year), service it according to the instructions on the Recharger® service kit, part number 99-5050 or 99-5000

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

• 1455 CITRUS ST., P.O. BOX 1329, RIVERSIDE, CA., U.S.A. 92502 • TECH SERVICE 800-858-3333 • FAX 951-826-4001
• e-mail: tech@knfilters.com® • WWW: http://www.knfilters.com®

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3/22/16