

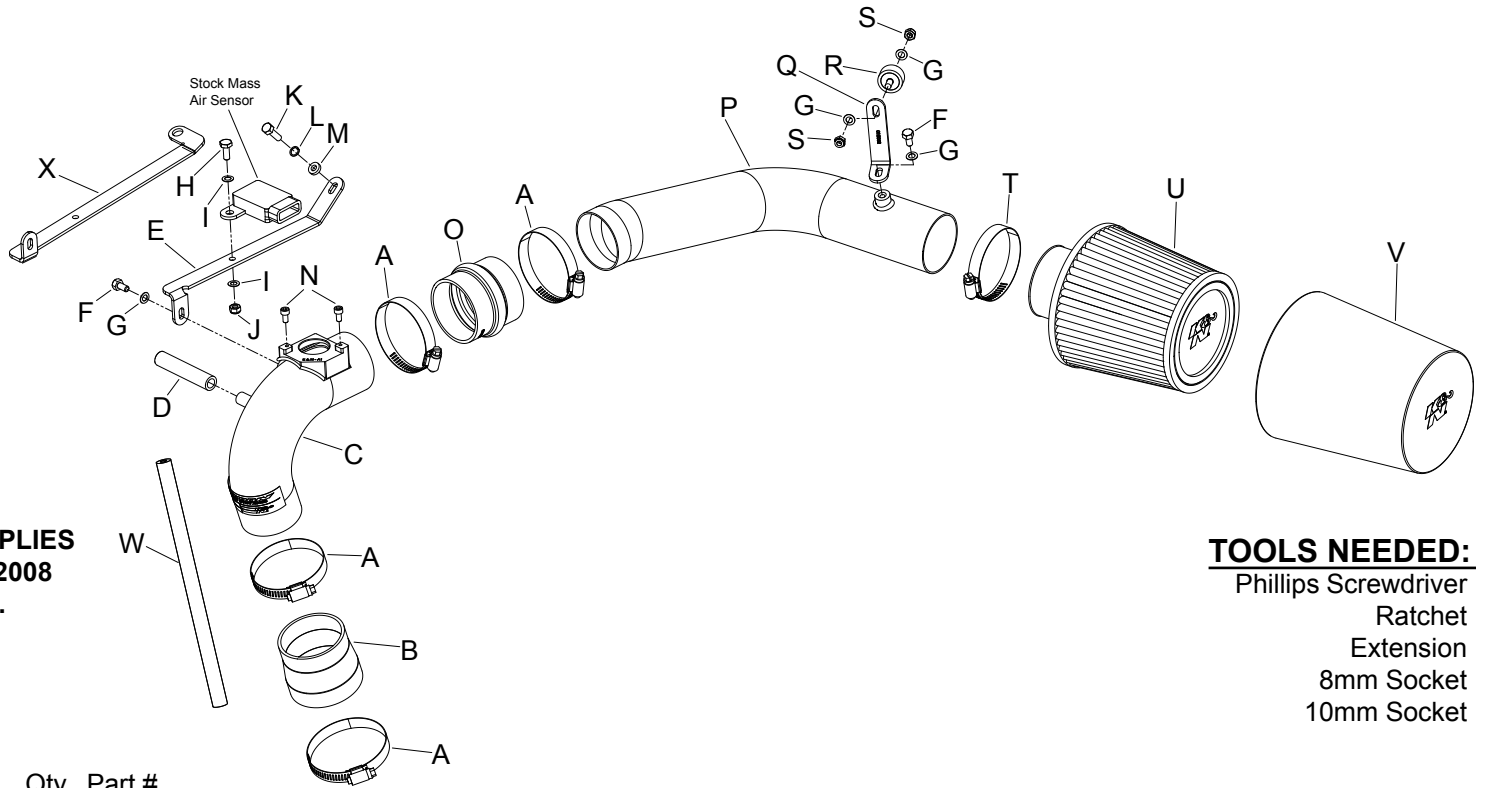


TYPHOON INTAKE SYSTEMS

INSTALLATION INSTRUCTIONS

69-6010TS
69-6010TR
MAZDA
2004-09 Mazda 3
L4-2.0L
2004-09 Mazda 3
L4-2.3L
2006-08 Mazda 5
L4-2.3L

NOTE: C.A.R.B. E.O. # D-269-37 APPLIES ONLY TO 2004 MAZDA 3 and 2006-2008 MAZDA 5 MODEL YEAR VEHICLES.



TOOLS NEEDED:
 Phillips Screwdriver
 Ratchet
 Extension
 8mm Socket
 10mm Socket

PARTS LIST:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A Hose Clamp; #44	4	08560	I Washer; 5mm Flat, SS	2	08212	Q Bracket; "L", STL, FB/PC	1	010052
B Hose; 2-1/2"ID to 2-3/4" Step, Black	1	084016	J Nut; M5-0.8, Nylock, SS	1	07507	R Stud; M6-1.00 M/M, Rubber Mntd.	1	07027
C Tube	1	27172	K Bolt; M6 X 1.0 X 20mm, Hexhead, SS	1	07795	S Nut; 6mm Nylock, Hexhead, SS	2	07512
D Hose 10mm X 3"L, Black	1	08187	L Washer; 1/4" Lock, Zn	1	08198	T Hose Clamp; #40	1	08554
E Bracket; STL, FB/PC	1	06479	M Washer; 1/4"ID X 1/2"OD X 1/8"THK	1	08271	U Air Filter	1	RU-4950
F Bolt; M6 X 1.0 X 12mm, Hexhead, SS	2	07727	N Bolt; M4-0.7 8mm, A/H Cap, SS	2	07733	V Drycharger® Black	1	RX-4990DK
G Washer; 6mm Wave, SS	4	08277	O Hose; 2-1/2"ID Hump, Black	1	084018	W Hose; 3/8"ID x 17"L	1	08404
H Bolt; M5-0.8 X 20mm, Buttonhead, SS	1	22208	P Cold Air Extension Tube	1	27173	X Bracket; STL, FB/PC	1	06481

WARNING: The K&N® Drycharger® included with this kit must be installed on the K&N® air filter when used with this K&N® cold air intake system. The K&N® cold air intake system a performance product that can be used safely during mild weather conditions. During harsh and inclement weather conditions, you must convert your cold air intake system to a short ram configuration, or return your vehicle to the stock OEM airbox and intake tract configuration. Failure to follow these instructions can void your warranty.

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. Unclip the battery cover and remove, then, disconnect the negative battery cable.



3. Disengage the plastic rivet as shown.



4. Slide the battery cold air vent backwards and remove from the engine compartment as shown.



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



6. On vehicles equipped with a quick release crankcase vent hose fitting, release the fitting and disconnect the crankcase vent hose from the intake tube. On vehicles not equipped with a quick disconnect fitting, unplug the crankcase vent fitting from the intake tube.

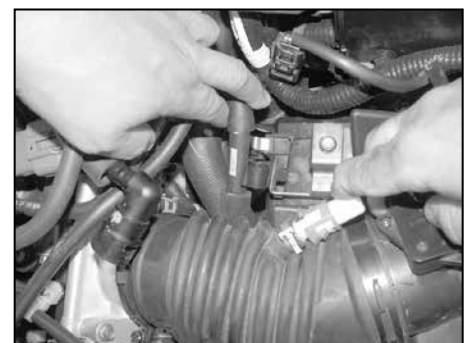


7. Remove the switch/sensor from the air cleaner cover as shown.

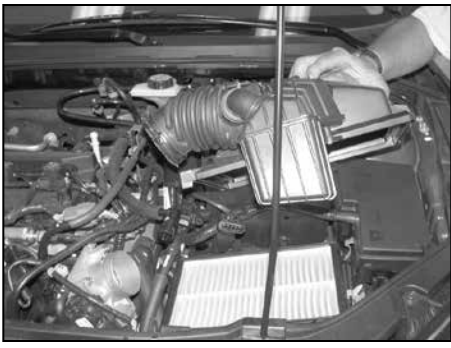
NOTE: On '06 and later Mazda 5 models, this switch is not present.



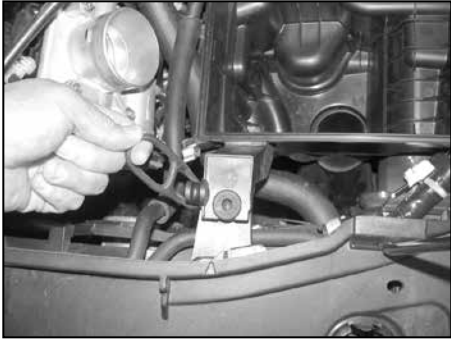
8. Loosen the hose clamp at the throttle body as shown.



9. Unclip the coolant hose from the air cleaner cover as shown.



10. Unclip the air cleaner cover and remove the complete upper air cleaner assembly as shown.

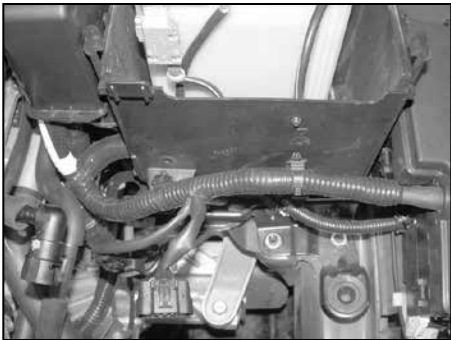


11. Remove the rubber retainer from the core support as shown.

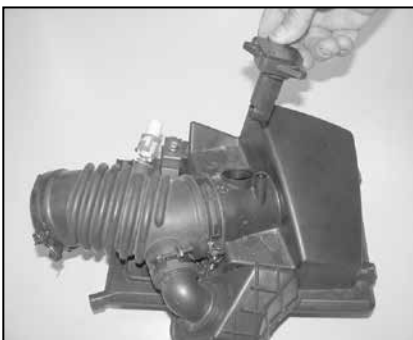


12. Remove the lower air cleaner assembly as shown.

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



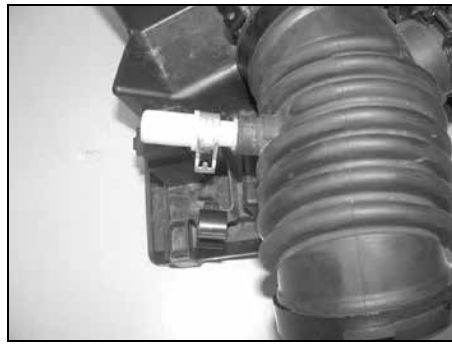
13. Unclip the wire harness from the side of the battery box as shown.



14. Remove the mass air sensor from the air cleaner cover as shown.



15. On vehicles equipped with the crankcase quick disconnect fitting, remove the plastic clip from the crankcase vent on the stock intake tube as shown.
NOTE: Be careful not to damage as this piece will be reused in a later step.



16. On vehicles equipped with the crankcase quick disconnect fitting, slide the hose clamp off rubber crankcase vent flange as shown.



17. On vehicles equipped with the crankcase quick disconnect fitting, remove the plastic vent from the stock intake tube as shown.



18. On vehicles equipped with the crankcase quick disconnect fitting, slide the plastic clip from step 15 back onto the crankcase vent as shown.



19. Raise the vehicle up and support it with jack stands, then, remove the front tire as shown.



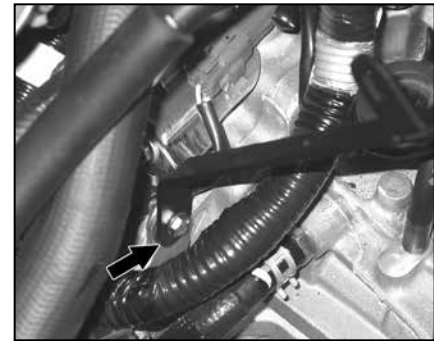
20. Remove the four bolts and one plastic rivet from the inner valance then, remove the valance as shown.



21. Remove the three plastic rivets and six hex bolts on the inner wheelhouse valance, then, pull the inner wheel house valance downward as shown.

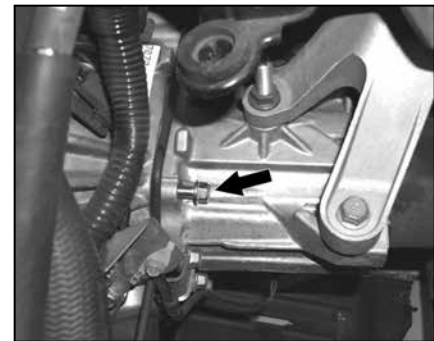


22. Remove the three bolts that secure the air intake resonator to the inner fender, then, remove the resonator as shown.

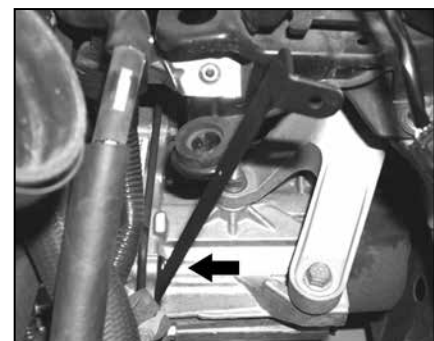


23. On vehicles equipped with an automatic transmission, attach the tube mounting bracket (#06479) onto the transmission control cable bracket using the provided hardware.

NOTE: Do not completely tighten at this time.



23a. On vehicles equipped with a manual transmission, remove the transmission bellhousing bolt shown.

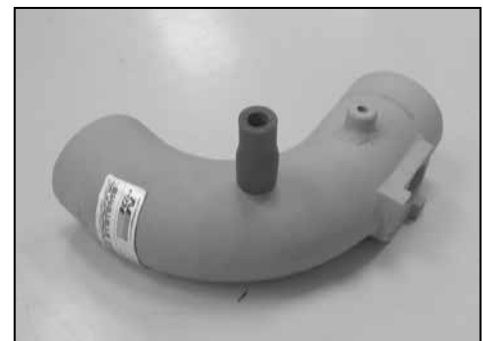


23b. Attach the tube mounting bracket (#06481) to the transmission using the bolt removed in the previous step, as shown.

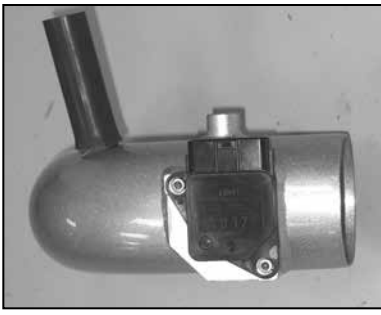
NOTE: Do not completely tighten at this time.



24. Install the silicone hose and hose clamps onto the throttle body as shown.



25. On vehicles equipped with the crankcase quick disconnect fitting, install the provided rubber hose onto the vent on the K&N® intake tube as shown.



26. Install the mass air sensor into the intake tube using the provided hardware as shown.



27. Install the K&N® intake tube into the silicone hose at the throttle body and align with the mounting bracket. Secure the tube with the provided hardware and hose clamp.



28. Secure the switch from step 7 to the bracket using the provided hardware as shown.
NOTE: On the '06 Mazda 5 model, this switch is not present. Go to step 31.

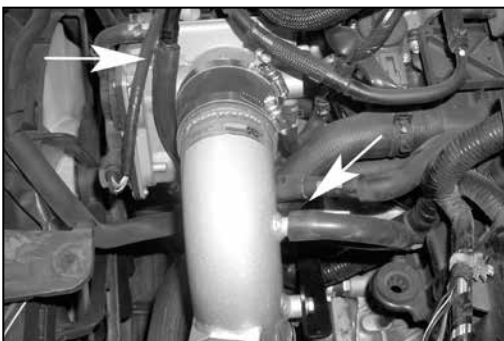


29. On vehicles equipped with the crankcase quick disconnect fitting, install the crankcase vent from step 18 into the silicone hose on the intake tube as shown.



30. On vehicles equipped with the crankcase quick disconnect fitting, reconnect the crankcase vent as shown.

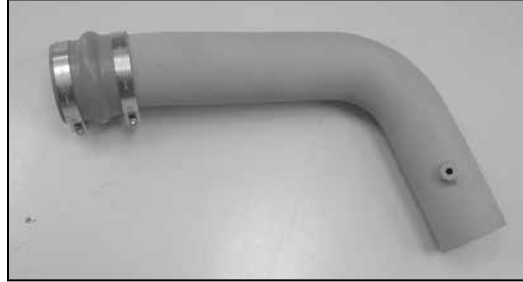
NOTE: For best fit, trimming of the silicone hose may be necessary.



30A. On vehicles not equipped with the crankcase quick disconnect fitting, install the provided silicone vent hose onto the factory plastic crankcase vent tube and then route it under the K&N® intake tube and connect the open end onto the K&N® intake tube as shown.



31. Install the provided rubber mounted stud into the resonator threaded hole as shown.
NOTE: On the '06 Mazda 5 model, you will not need to use the rubber mounting stud - Skip to step 34.



32. Install the silicone hose and hose clamps onto the cold air tube as shown.



33. Install the provided bracket onto the cold air tube using the provided hardware as shown.



34. From underneath the vehicle install the cold air tube as shown.



35. Slide the cold air tube onto the short ram tube as shown.



36. Secure the bracket to the rubber mounted stud using the provided hardware as shown.
NOTE: On the '06 Mazda 5 models, secure the bracket with the stock airbox mounting stud removed earlier into the resonator threaded hole as shown.



37. Install the Drycharger® onto the K&N® air filter as shown.



38. Install the air filter onto the cold air tube from underneath the vehicle as shown.



39. Reconnect the mass air sensor as shown.

40. Reverse the removal process and reinstall the inner fender valances.

41. Reinstall the front tire and torque to factory specs.



42. Slide the vent into the core support and line up the other end with the battery box and secure with plastic rivet.



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



44. Reinstall the engine cover as shown.



45. This K&N® high flow intake system has been designed to be used in two different configurations. In the case of inclement weather, the cold air tube can be removed and the air filter can be clamped onto the intake tube located in the engine compartment to avoid the possibility of ingesting water into the engine.

NOTE: If you have any concerns, return the vehicle to stock using the factory equipment.

46. 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.

47. 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.