

Warning: The K&N Drycharger included with this kit must be installed on the K&N air filter when used with a K&N Typhoon Cold Air Intake System. The K&N Typhoon Intake System is 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.

INSTALLATION INSTRUCTIONS

69-6010

Mazda

2004-09 3

L4-2.0L

2004-09 3

L4-2.3L

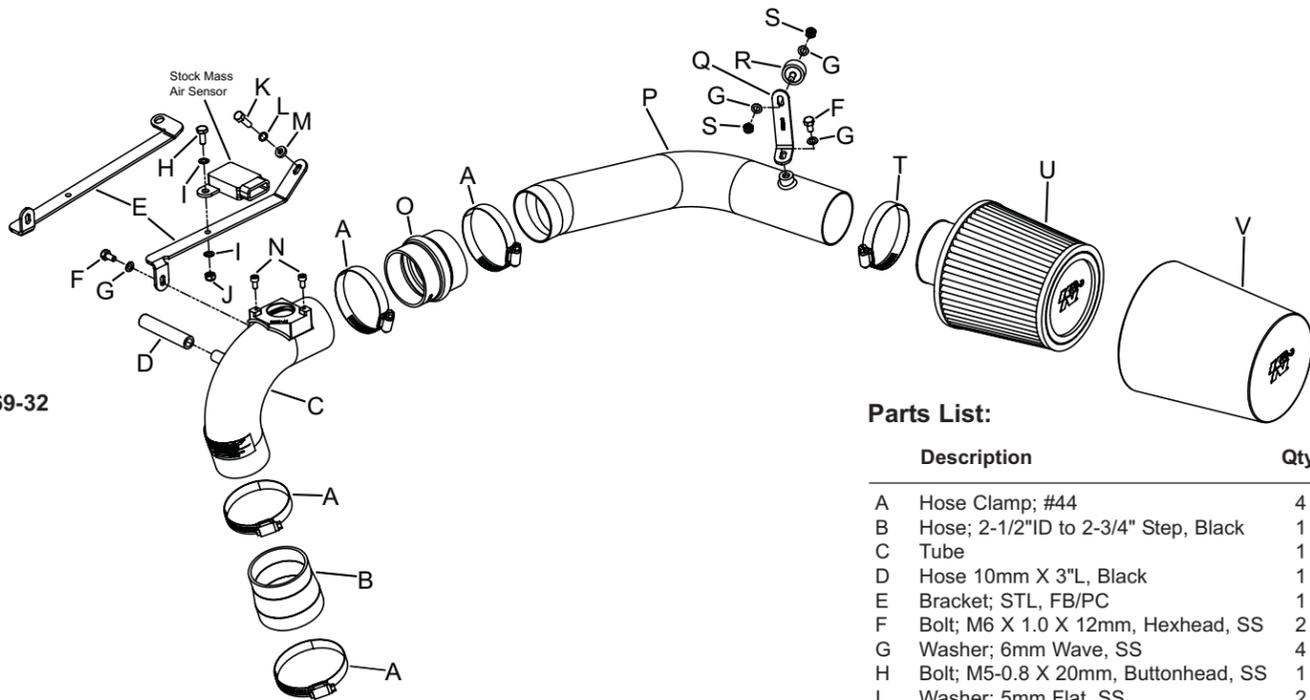
2006-07 5

L4-2.3L

NOTE: C.A.R.B. E.O.#D-269-32
ONLY APPLIES TO 2004
MODEL YEAR.

TOOLS NEEDED:

Phillips Screwdriver
Ratchet
Extension
8mm socket
10mm socket



Parts List:

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

TO START:



1. Pull firmly upwards to remove the engine cover as shown.



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.



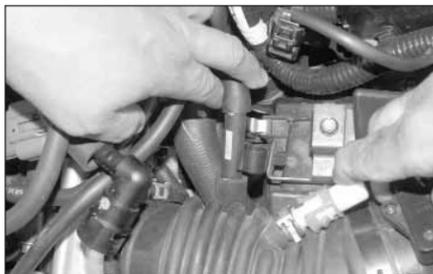
6. Depress the retaining clip and disconnect the crank case vent hose from the stock intake tube as shown.



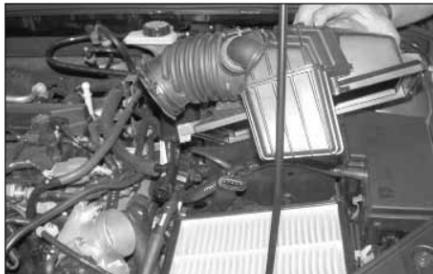
7. Remove the switch/sensor from the air cleaner cover as shown.
NOTE: On '06 Mazda 5 model, this switch/sensor is not present..go to step 8.



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.

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



15. Remove the plastic clip from the crank case 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. Slide the hose clamp off rubber crank case vent flange as shown.



17. Remove the plastic vent from the stock intake tube as shown.



18. Slide the plastic clip from step 15 back onto the crank case vent as shown.



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



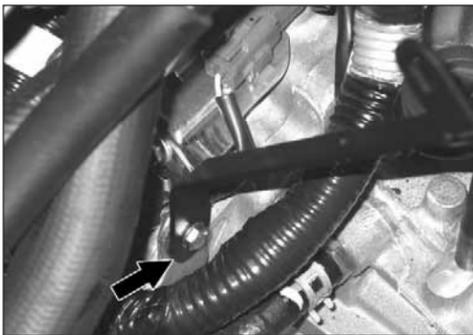
20. Remove the four bolts and one plastic rivet from the inner valance then, remove the valance as shown.



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.

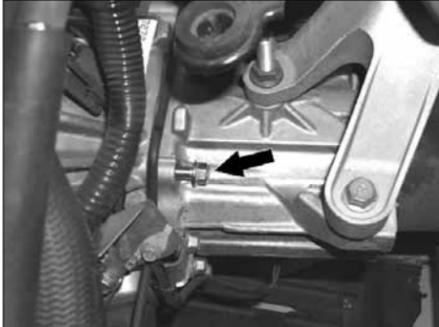


22. Remove the three bolts that secure the air intake resonator to the inner fender, then, remove the resonator as shown.

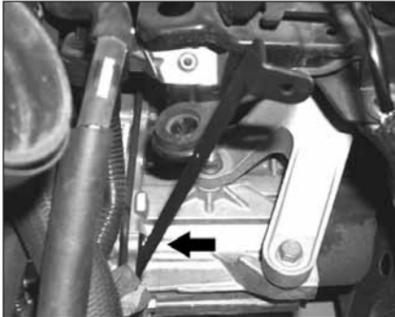


23. On vehicles equipped with an automatic transmission, attach the tube mounting bracket (#06479) onto the transmission control cable bracket using the provided hardware.

NOTE: Do not completely tighten at this time.



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

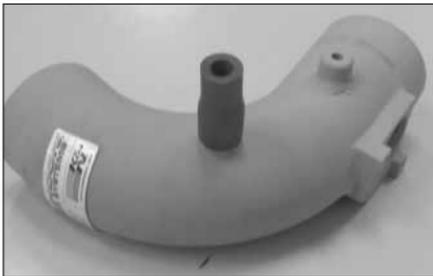


23b. Attach the tube mounting bracket (#06481) to the transmission using the bolt removed in the previous step, as shown.

NOTE: Do not completely tighten at this time.



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



25. 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. Install the crankcase vent from step 18 into the silicone hose on the intake tube as shown.

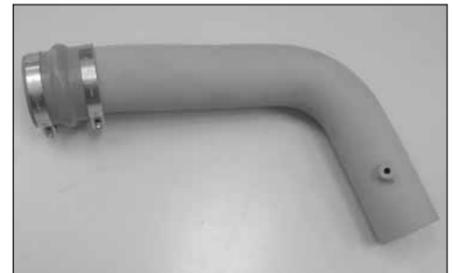


30. Reconnect the crankcase vent as shown.
NOTE: For best fit, trimming of the silicone hose may be necessary.

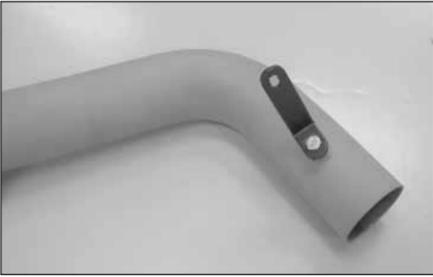


31. Install the provided rubber mounted stud into the resonator threaded hole as shown.

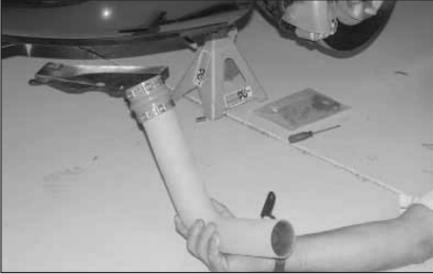
NOTE: On the '06 Mazda 5 model, you will not need to use the rubber mounting stud...skip to step 34.



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 air box 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 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 negative battery cable, then, reinstall the battery cover as shown.



44. Reinstall the engine cover as shown.



45. This K&N Typhoon kit is designed for use in two different configurations. In the case of inclement weather, the cold air tube can be removed and the filter can be clamped onto the short ram tube located in the engine compartment as shown above, to avoid the possibility of ingesting water into the engine.

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 Typhoons 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 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 99-5000 or 99-5050.

FREE K&N DECAL To register your warranty, please see us online at knfilters.com/register. FREE K&N DECAL