



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

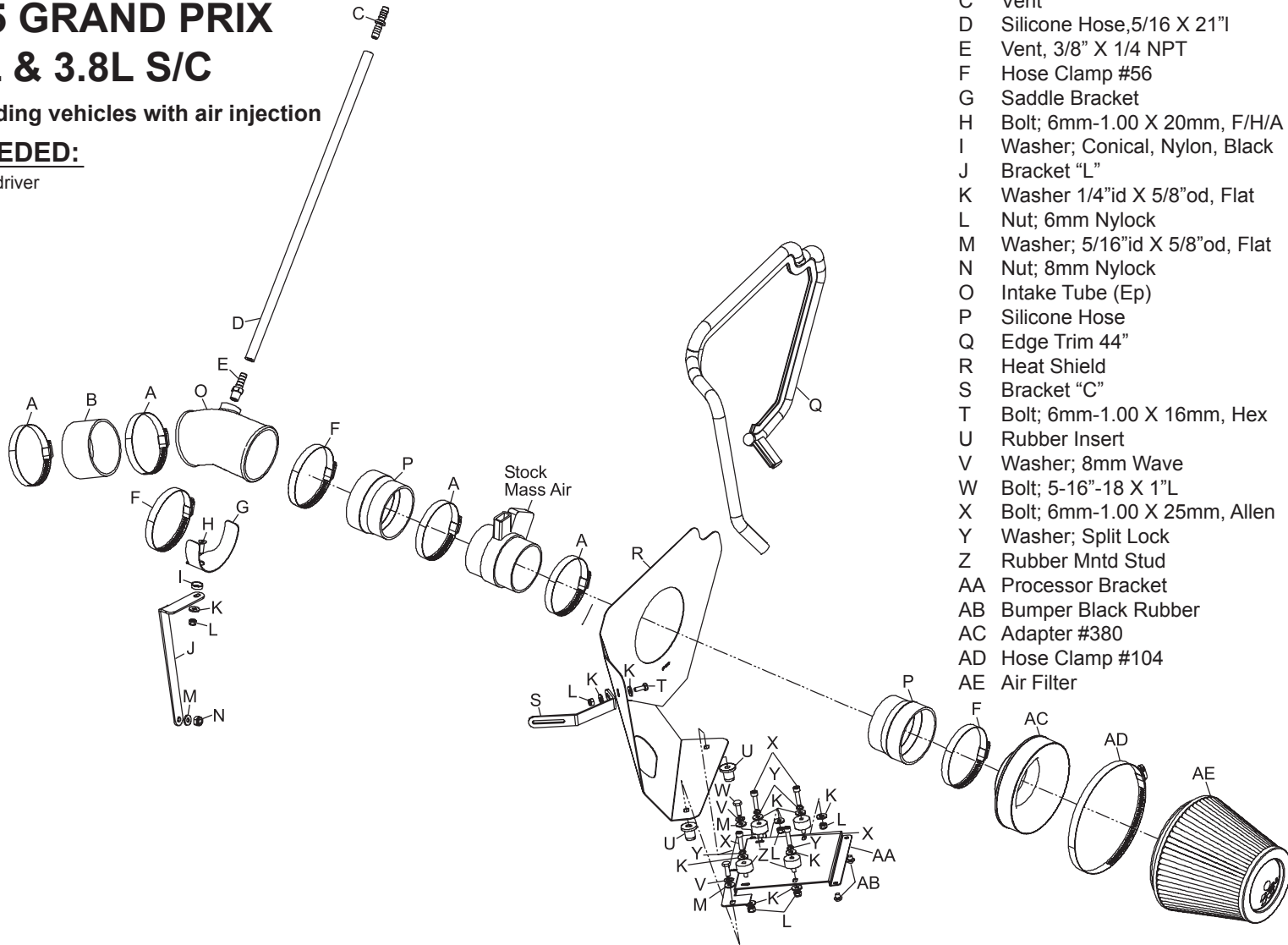
INSTALLATION INSTRUCTIONS

57-3049
PONTIAC
2004-05 GRAND PRIX
V6-3.8L & 3.8L S/C

NOTE: Excluding vehicles with air injection

TOOLS NEEDED:

- Flat Blade Screwdriver
- Ratchet
- Extension
- 10mm Socket
- 13mm Socket
- 5/16" Socket
- 5/8" Socket
- 10mm Wrench
- 4mm Allen
- 5mm Allen



PARTS LIST:

Description	Qty.	Part #
A	4	08610
B	1	08690
C	1	08041
D	1	08409
E	1	08047
F	3	08620
G	1	078855
H	1	08376
I	1	08180
J	1	010093
K	11	08275
L	6	07553
M	3	08276
N	1	07542
O	1	087156
P	2	08051
Q	1	102486
R	1	074032
S	1	010056
T	1	07703
U	2	088002
V	2	08239
W	2	07777
X	4	07859
Y	4	08198
Z	4	070228
AA	1	010092
AB	2	08162
AC	1	21512-1
AD	1	08697
AE	1	RF-1048

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. Twist the oil fill pipe counter clockwise and remove it from the valve cover.



3. Lift the engine cover to remove it from the engine.



4. Depress the locking tab on the mass air sensor electrical connection, and then pull up to separate the mass air sensor electrical connection.



5. Disconnect the vent tube from the intake manifold.



6. Loosen the hose clamps, which secure the stock intake tube to the throttle body and the mass air sensor to the stock airbox. Remove the intake tube assembly from the vehicle as shown.



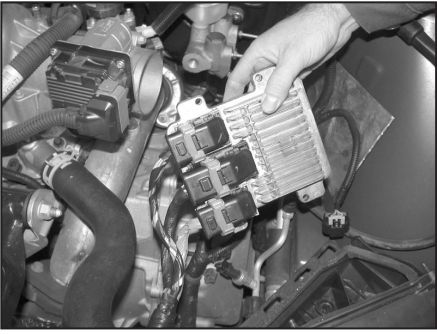
7. Remove the three body support brace mounting bolts shown, then remove the support brace from the engine compartment.



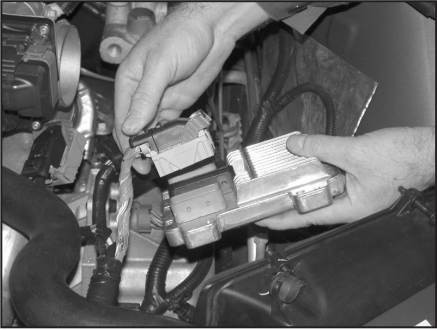
8. Loosen the two air filter housing mounting bolts shown.



9. Tilt the air filter housing in, then lift to remove the filter housing from the mounting tabs.



10. Unlock the engine processor from its mounting tabs and lift it out from the processor housing.

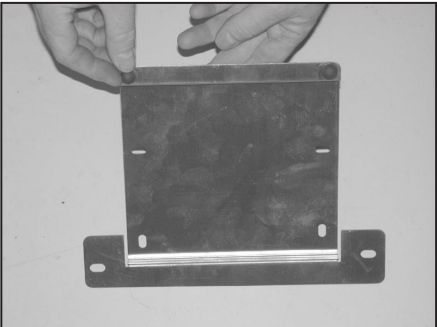


11. Unlock the engine processor electrical connections and then disconnect the connections from the processor.

NOTE: The connectors are color-coded.



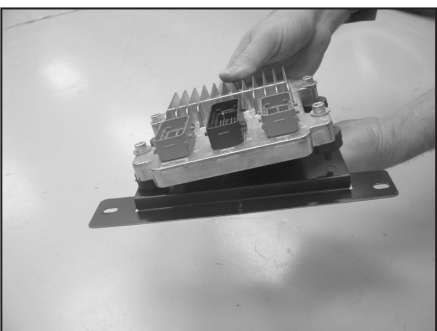
12. Pull firmly up on the engine processor housing to release it from the mounting tabs, then remove the housing from the vehicle.



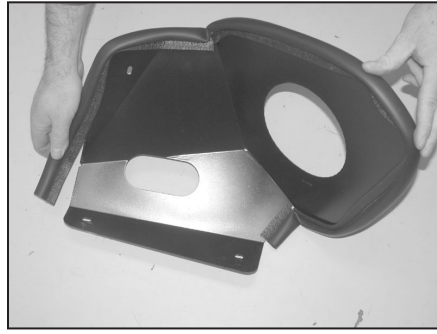
13. Install the rubber bumpers provided into the processor mounting bracket (010092) as shown.



14. Install the rubber mounted studs to the processor with the provided hardware as shown.



15. Install the processor with rubber mounted studs to the mounting plate with the provided 6mm nuts as shown.

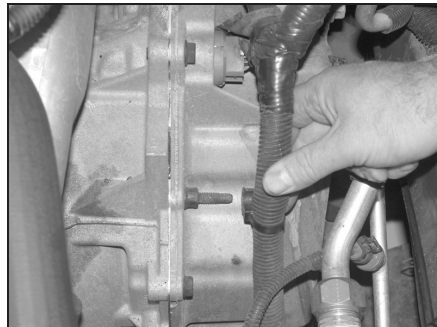


16. Install the provided edge trim onto the heat shield as shown.

NOTE: Some trimming of the edge trim may be necessary.



17. Install the saddle clamp onto the tube mounting bracket (010093) with the provided hardware as shown.

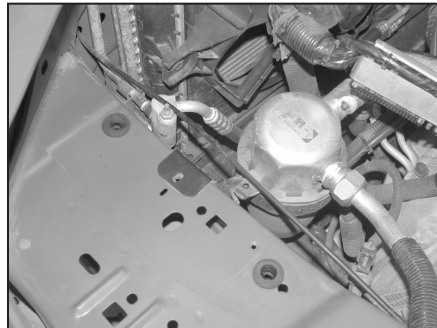


18. Remove the wiring harness retaining clip from stud protruding from the transmission case as shown.

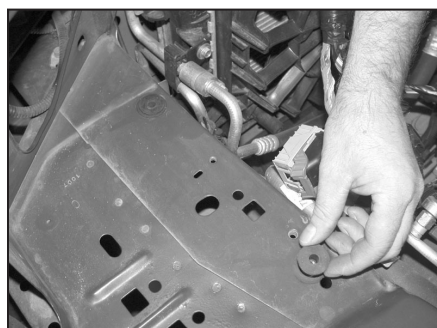


19. Install the saddle clamp assembly onto the stud exposed in step #18 and secure with the provided hardware.

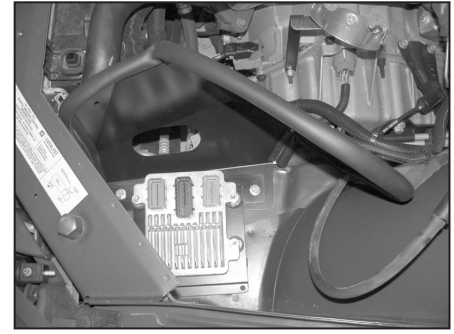
NOTE: Do not completely tighten at this time.



20. Remove the two airbox mounting grommets shown by pulling them up out of the holes in the fender apron.



21. Install the provided inserted nuts into the airbox mounting grommet holes exposed in step #20.



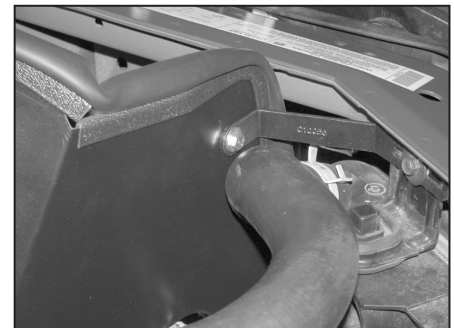
22. Set the heat shield and engine processor assembly into position on the fender apron. Using the bolts provided, fasten the processor assembly to the inserted nuts in the fender apron as shown.



23. Pass the engine wiring harness through the hole in the heat shield, then reconnect the harness to the engine processor.



24. Remove the radiator mounting bolt shown.



25. Install the K&N® bracket (010056) onto the heat shield and radiator mount as shown.

NOTE: Use the bolt removed in step 24 and washer provided between the K&N bracket and factory bracket.

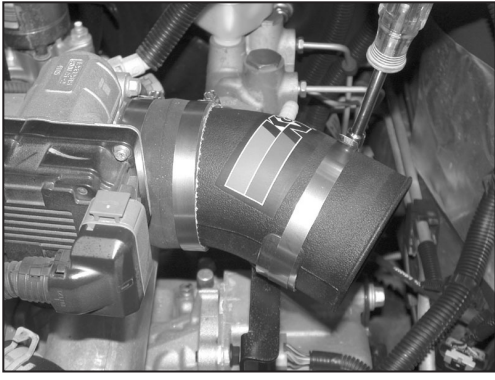


26. Install the silicone hose (08690) onto the throttle body and secure with the provided hose clamps as shown.



27. Install the provided NPT into the K&N® intake tube as shown.

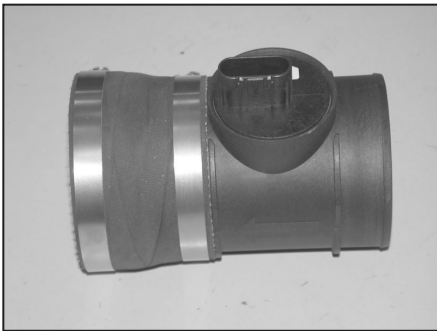
NOTE: Plastic NPT fittings are easy to cross thread. Install the vent fitting "hand" tight, then turn it two complete turns with a wrench.



28. Install the K&N® intake tube onto the throttle body and saddle clamp as shown then secure with the provided hose clamps.

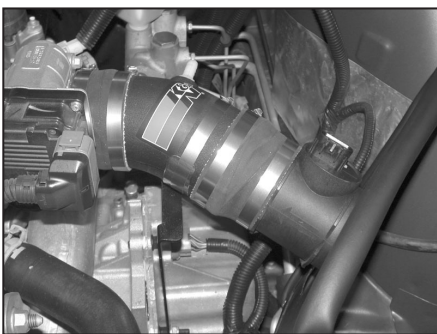


29. Loosen the hose clamp, which secures the mass air sensor to the stock intake tube, and then remove the mass air sensor and vent hose elbow from the stock intake tube.



30. Install the silicone hose (08051) onto the mass air sensor and secure with the provided hose clamp as shown.

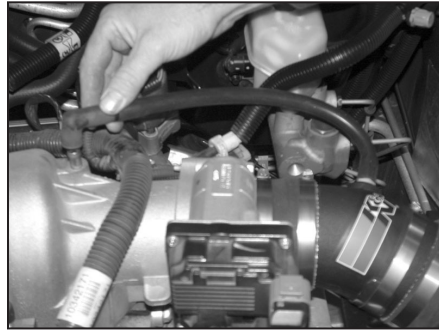
NOTE: The arrow on the side of the mass air sensor should point towards the silicone hose.



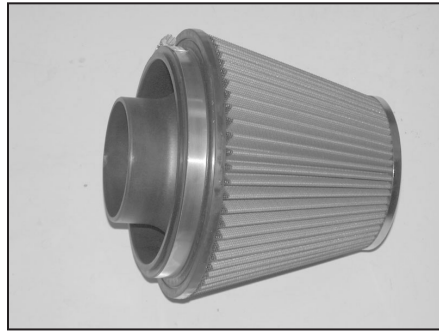
31. Install the mass air assembly onto the K&N® intake tube and secure with the provided hose clamp as shown.



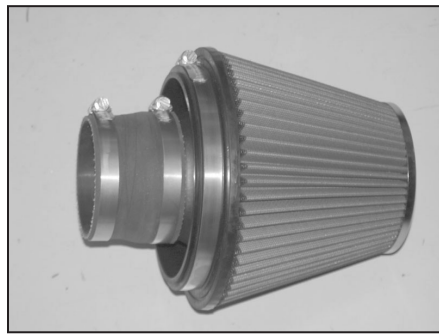
32. Assemble the provided vent hose and hose mender to the factory vent elbow as shown.



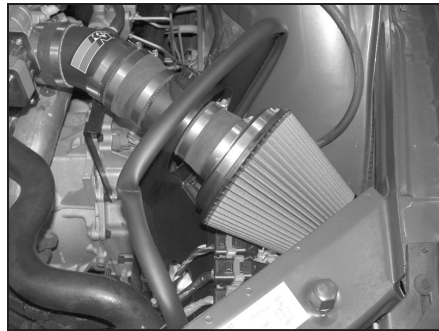
33. Install the vent hose assembly onto the NPT in the K&N® intake tube and then reconnect the elbow to the intake tube as shown.



34. Install the K&N® filter adapter into the air filter as shown secure with the provided hose clamp.



35. Install the provided silicone hose (08051) onto the air filter assembly as secure with the provided hose clamp as shown.



36. Install the air filter assembly onto the mass air sensor and secure with the provided hose clamp as shown.

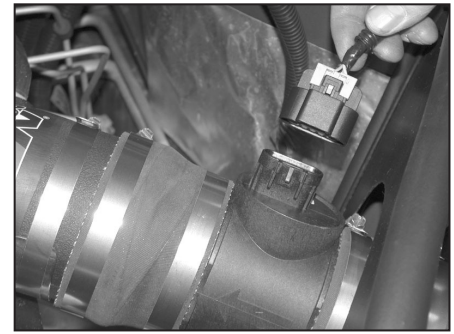
NOTE: Drycharger® air filter wrap; part # RF-1048DK is available to purchase separately. To learn more about Drycharger® filter wraps or look up color availability please visit <http://www.knfilters.com>®.



37. Reinstall the engine cover and oil fill tube.



38. Reinstall the body support brace removed in step #7.



39. Reconnect the mass air sensor electrical connection.



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

41. 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.

42. 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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