

# INSTALLATION INSTRUCTIONS

## 77-6014-1

### NISSAN

### 2005-10 PATHFINDER / XTERRA / FRONTIER V6-4.0L

NOTE: EO #D-269-34 APPLIES TO 2005-07 ONLY

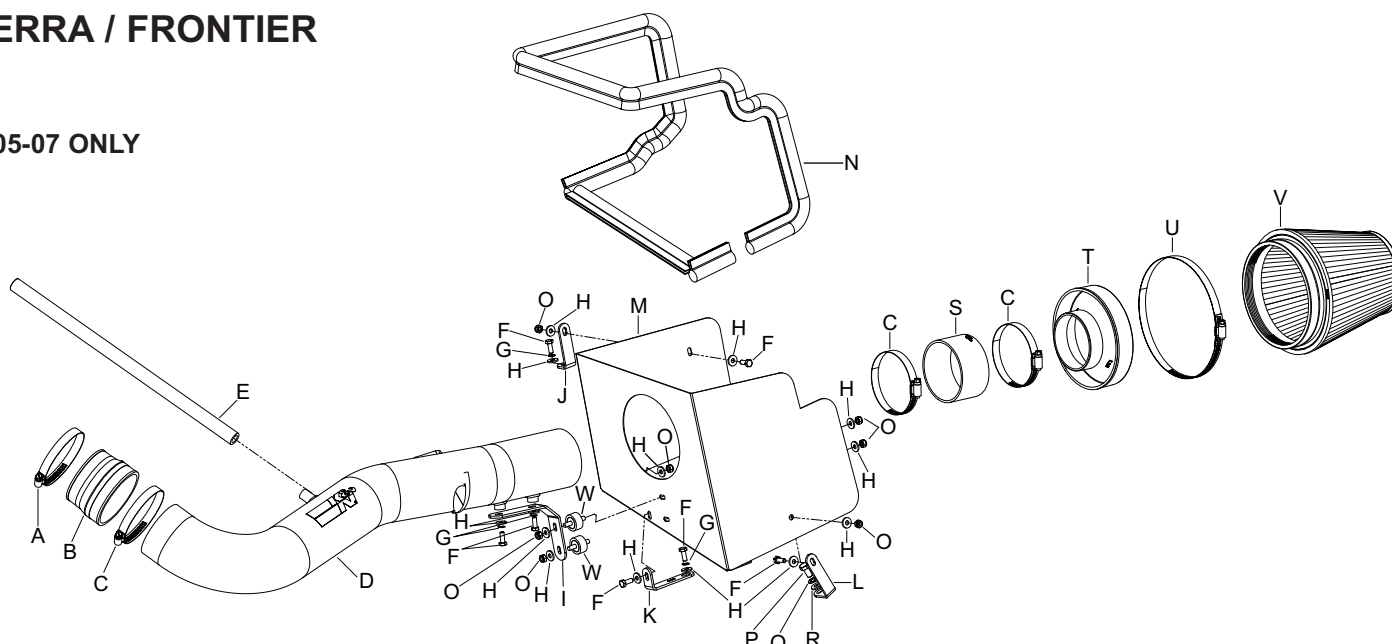
NOTE: This kit was not designed to fit vehicles with a body lift.

#### Tools Needed:

Ratchet  
Extension  
10mm Socket  
13mm Socket  
Phillips Screwdriver  
10mm Wrench  
9/64"mm Allen Wrench  
Flat Blade Screwdriver  
Pliers

#### Parts List:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A Hose Clamp #48	1	08601	J Bracket; Small "L"	1	07805	S Hose; Black Silicone	1	08698
B Hose; Step, Silicone	1	084055	K Bracket; Lg. "L"	1	010051	T Adapter #380	1	21512
C Hose Clamp #56	3	08620	L Bracket; Med. "L"	1	070632	U Hose Clamp #104	1	08697
D Intake Tube	1	27432-1	M Heat Shield	1	07689	V Air Filter	1	RF-1014
E Hose; 1/2" ID x 17"L, Silicone	1	08177	N Edge Trim 83"	1	102503	W Stud; M6-1.00 M/M, Rubber MNTD	2	07027
F Bolt; 6mm-1.00 x 16mm, Hex	7	07703	O Nut; 6mm Nylock	7	07553			
G Washer; 1/4" Split Lock	4	08198	P Bolt; 8mm-1.25 x 16mm Hex	1	07844			
H Washer; 1/4" ID x 5/8" OD Flat	14	08275	Q Washer; 8mm Wave	1	08239			
I Bracket; "C", 77-6014, STL FB/PL	1	070093	R Washer; 5/16" ID x 5/8" OD Flat	1	08276			



**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 the ignition OFF and disconnect the vehicle's negative battery cable.



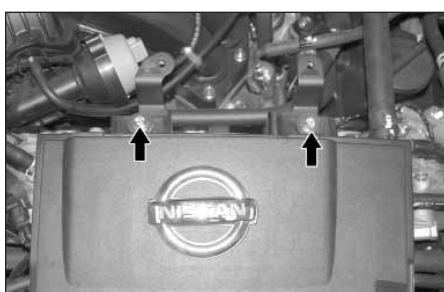
2. Disconnect the mass air sensor electrical connection and unhook the harness from the air box.



3. Remove the two bolts shown, which secure the engine cover.



4. Lift firmly on the engine cover to dislodge it from the mounting grommets, and then remove the cover from the engine as shown.



5. Remove the two bolts shown which secure the stock intake tube to the engine.



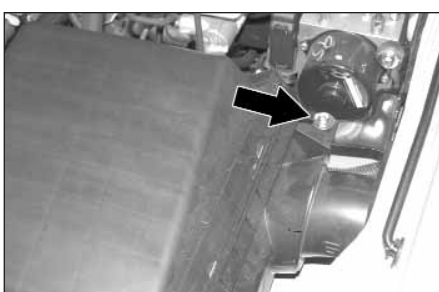
6. Using pliers, loosen the spring clamp which secures the crank case vent hose to the valve cover and then remove the hose from the valve cover as shown.



7. Loosen the two hose clamps shown which secure the stock intake tube to the air box and to the throttle body.



8. Remove the intake tube from the vehicle as shown.



9. Remove the air box retaining bolt shown.

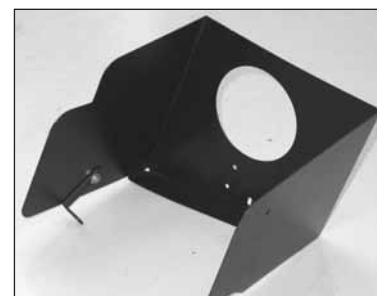


10. Pull firmly on the air box to dislodge it from the mounting grommets and remove it from the vehicle.

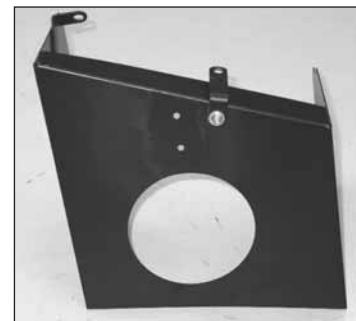
**NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.**



11. Remove the two air box mounting studs shown from the inner fender.



12. Install "L" Bracket (#07805) onto the heat shield with the provided hardware.



13. Install both rubber mounted studs onto the heat shield with the provided hardware.



14. Install the edge trim onto the heat shield as shown.

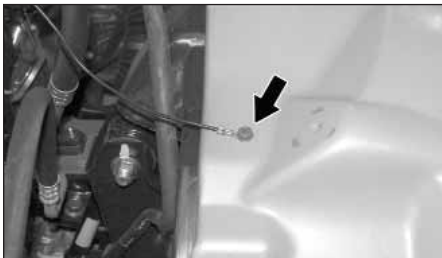
**NOTE: Some trimming of the edge trim may be necessary.**



15. Install the provided rubber mounted studs onto the heat shield using the supplied hardware.

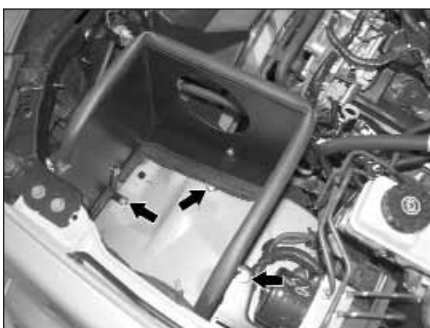


16. Attach the provided "C" bracket (070093) to the rubber mounted studs installed in the previous step using the provided hardware.



17. Remove the bolt, which secures the ground strap to the inner fender.

**NOTE: This bolt will not be reused.**



18. Install the heat shield assembly into the vehicle and secure with the provided hardware.

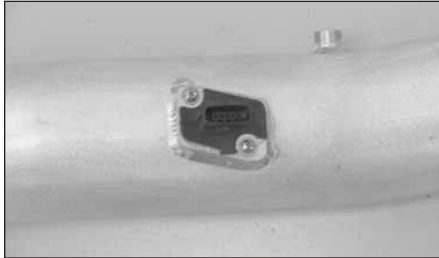
**NOTE: Secure the ground strap removed in step #15 onto the lower heat shield mounting bracket.**



19. Install the silicone hose (084055) onto the throttle body and secure with the provided hose clamp.



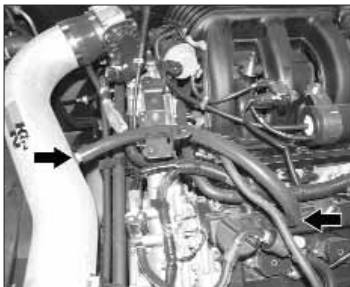
20. Remove the two screws, which secure the mass air sensor to the stock air box and then remove the mass air sensor from the air box.



21. Install the mass air sensor into the K&N® intake tube and secure with the screws removed in step #20.



22. Install the K&N® intake tube into the silicone hose at the throttle body and align with the tube mounting bracket installed in step #16. Secure with the provided hardware and hose clamp.



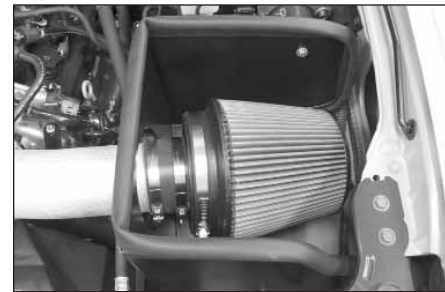
23. Attach the provided silicone crank case vent hose to the valve cover and K&N® intake tube as shown.



24. Install the filter adapter into the air filter as shown and secure with the provided hose clamp.



25. Install the silicone hose (08698) onto the air filter as shown and secure with the provided hose clamp.



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



27. Reinstall the engine cover removed in step #4 and secure with the factory mounting bolts.



28. Reconnect the mass air sensor electrical connection.



29. Reconnect the negative battery cable and double check to make sure everything is tightened and properly positioned before starting the vehicle.

30. 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.

31. 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.