

INSTALLATION INSTRUCTIONS

**77-2569
FORD**

**2006 F-150
V8-4.6L**

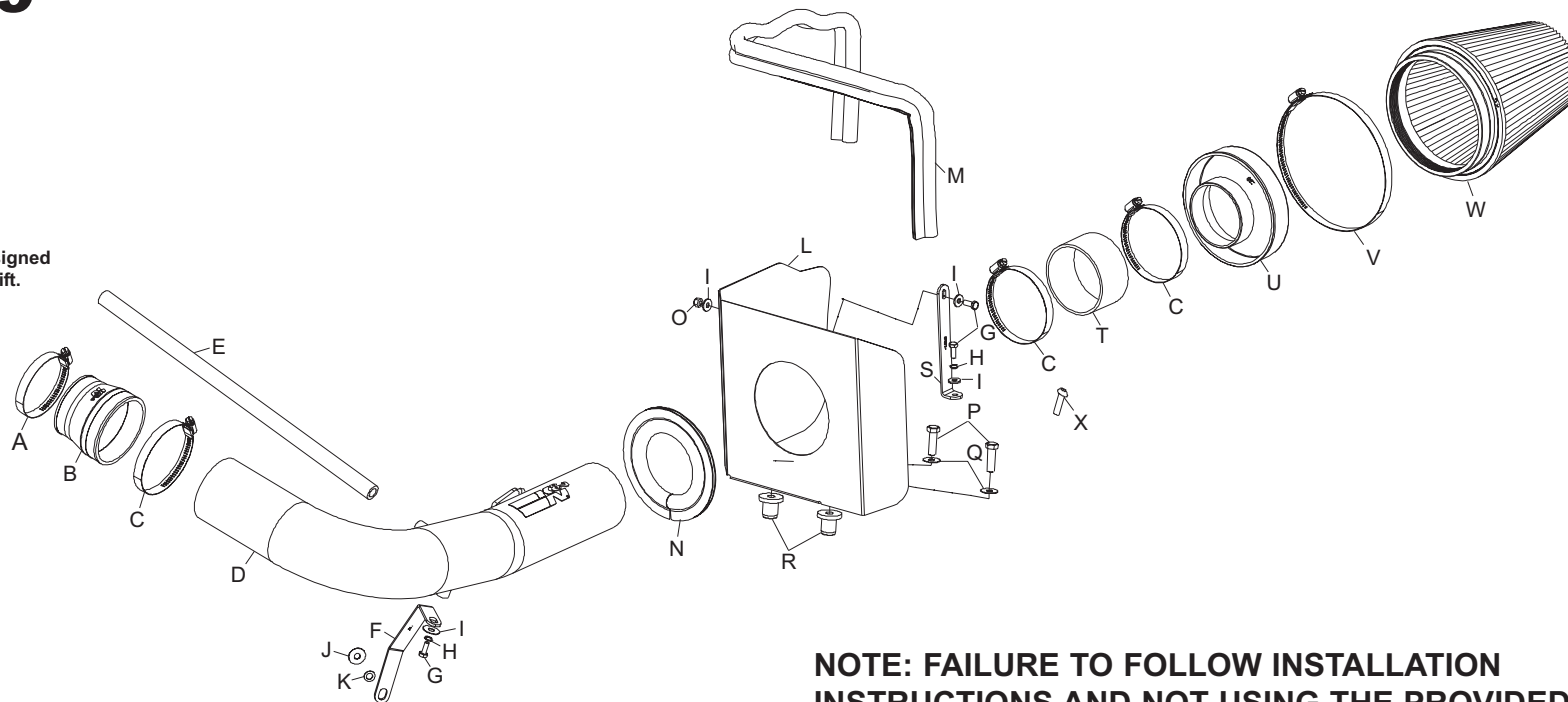
NOTE: This kit was not designed to fit vehicles with a body lift.

TOOLS NEEDED:

- Ratchet
- Extension
- 10mm Socket
- 13mm Socket
- 5/32" Allen Wrench
- 10mm Wrench
- 13mm Wrench
- Flat Blade Screwdriver
- T-20 Torx Wrench
- Drill
- 1/8" drill bit
- Phillips screw driver

PARTS LIST:

Desc.	Qty.	Part#						
A Hose clamp #48	1	08601	I Washer; 1/4" id X 5/8" od - SAE	4	08275	Q Washer; 3/8" Flat, ss	2	08134
B Hose; 3.5" id to 3" id tprd, silicone	1	08724	J Washer; 8mm spring wave	1	08239	R Insert; 3/8-16 X 3/400 X 15/16L,	2	08163
C Hose clamp #56	3	08620	K Washer; 5/16" id X 5/8" od, Flat	1	08276	S Bracket; Small "L"	1	070026
D Intake tube	1	27189	L Heat shield	1	074021	T Hose; 3.5" id X 2" l, silicone	1	08630
E Hose; 1/2" id X 19" l, silicone	1	084075	M Edge trim (55")	1	102480	U Adapter; #380	1	21512
F Bracket; Mild, FB/PC	1	07198	N Edge trim (17")	1	102469	V Hose Clamp #104	1	08697
G Bolt; M6-1.00 X 16mm Hex HD.	3	07703	O Nut; 6mm nylock, Hexhead	1	07553	W air filter	1	RF-1041
H Washer; 1/4" lock, ZN	2	08198	P Bolt; 3/8"-16 X 1-1/4" L ss Hex Head bolt	2	07779	X Screw; #12 sheet metal 5/8" L	1	07788



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. Rotate the crank case vent hose locking ring and pull the crank case vent hose off of the valve cover.



3. Loosen the stock intake tube hose clamps, and remove the intake tube from vehicle.



4. Unhook the secondary mass air sensor electrical connection from the power steering reservoir bracket, then unlock the electrical connection locking tabs and separate the electrical connection



5. Pull firmly up on the air filter assembly to remove it from the mounting grommets.

NOTE: K&N recommends that customers do not discard factory air intake.



6. Install "L" bracket (070026) onto the heatshield with the hardware provided as shown.



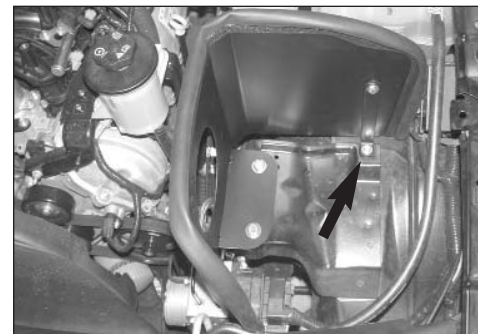
7. Install the edge trim onto the heatshield as shown. Trim if needed.



8. Install the edge trim into the hole in the heat shield as shown.



9. Install the provided nut inserts into the air box mounting holes as shown.



10. Install the heatshield as shown and secure with the provided hardware.

NOTE: Due to manufacture inconsistencies, some vehicles may not be equipped with threaded hole in the factory filter mounting plate. It will be necessary to drill a 1/8" hole in the air filter mounting plate and attach the heat shield bracket with the sheet metal screw provided.



11. Open the air cleaner assembly and isolate the mass air sensor assembly.



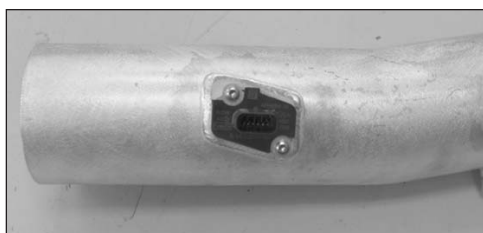
12. Slide the rubber grommet back and disconnect the primary mass air sensor electrical connection, using a flat blade screwdriver.



13. Using a flat blade screwdriver, push in and release the four clips that retain the mass air sensor retaining plate.



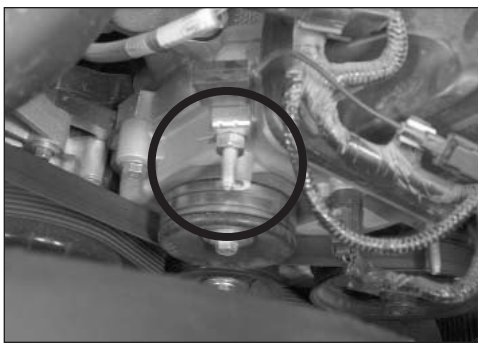
14. Remove the mass air sensor retaining screws and then remove the mass air sensors as shown.



15. Install the mass air sensor assembly into the K&N intake tube and secure with the factory mounting bolts.



16. Install silicone hose (08724) onto the throttle body with the provided hose clamp as shown.



17. Remove the nut shown from the 8mm stud protruding from the engine.

NOTE: This nut will be reused.



18. Install the tube mounting bracket (07198) onto the 8mm stud protruding from the engine with the factory nut, and the flat washer and wave washer provided. Do not completely tighten at this time.



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



20. Install the provided silicone vent hose onto the valve cover and onto the K&N intake tube as shown.



21. Install the filter adapter into the K&N filter and secure with the provided hose clamp.



22. Install the silicone hose (08630) onto the filter assembly and secure with the provided hose clamp.



23. Install the filter assembly onto the K&N intake tube and secure with the provided hose clamp.



24. Reconnect the secondary mass air sensor electrical connection and then reconnect the mass air sensor primary electrical connection.



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

26. 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.

27. It will be necessary for all intakes 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 99-5050 or 99-5000.