

# High Performance Cold Air Intake Kit



## INSTALLATION INSTRUCTIONS

**75-2514-4**

**FORD & LINCOLN**

F-Series V8-4.6L, 5.4L  
(Except Super Duty)

Expedition V8-436L, 5.4L

Navigator V8-5.4L SOHC

\* Kit may not fit vehicles with body lifts.

**QTY PARTS LIST**

- 1 3" - 3.5" - 3" Adapter
- 1 3.5" - 4" - 3" Adapter
- 1 Intake Tube
- 1 Intake Box
- 1 CARB Sticker
- 1 Instruction Sheet
- 1 #16 Hose Clamp
- 2 #60 Hose Clamps
- 2 #64 Hose Clamps

**QTY PARTS LIST (CONTINUED)**

- 1 3/4" x 6" Hose
- 2 1/4"-20 Speed Nuts
- 1 1/2" Grommet
- 1 1/4"-20 Hex Head Screws
- 2 1/4" Fender Washers
- 1 Air Filter

**TOOLS REQUIRED**

- Screw Driver (flat)
- 7/16" Socket
- 10mm Socket
- Socket Extension (Long)
- Ratchet
- 13mm Wrench
- Vise Grips
- Pliers

1. With the engine turned off, disconnect the vehicle's negative battery cable. Loosen the 3 bolts that secure the throttle body dust cover.



2. Remove the dust cover.



3. Unhook the electrical connection for the air temperature sensor.



4. For 4.6L Engines: Disconnect the air bypass valve and the vent hose for the crankcase from the OEM air intake tube.

**For 5.4L Engines Go to Step #5**



5. At the throttle body, loosen the hose clamp on the OE air tube.



6. Unhook the electrical connection for the secondary mass air sensor and remove the whole OEM intake assembly from vehicle.



7. Remove the OEM air intake tube and pull up on the air cleaner in order to release it from the grommets.



8. Isolate the mass air sensor by opening the air cleaner.



9. Use a flat head screw driver to slide the rubber grommet back and unhook the primary mass air sensor.



10. Release the four clips that secure the mass air sensor retaining plate by pushing with a flat blade screwdriver.



11. Remove mass air sensor from retaining plate by unbolting the 4 bolts and separating both pieces.



# INSTALLATION INSTRUCTIONS (continued)

12. Assemble mass air intake and filter adapter to heat shield using gaskets and M6 x 22MM screws provided with kit according to the exploded view.



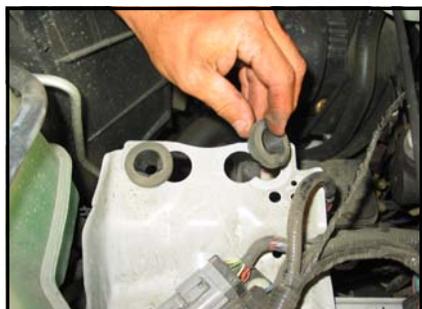
13. Carefully remove the air temperature sensor from the OEM air intake tube.



14. Install 7/16" grommet provided in kit into S&B air intake tube and then carefully insert air temperature sensor in grommet.



15. Remove grommets from sheet metal bracket.



16. Install "Speed" nuts onto the sheet metal bracket where the grommets used to be.



17. Install heat shield onto sheet metal bracket and fasten using the 1/4"-20 hex heads and washers.



18. Install rubber adapters and appropriate hose clamps onto S&B intake tube.



20. Install S&B air intake tube into throttle body and MAF sensor housing.



21. Reconnect air temperature sensor.



22. a) On 5.4L engines, use the 3/4" hose to bridge upper vent hose and secure with clamp. Reconnect lower vent hose to tube.

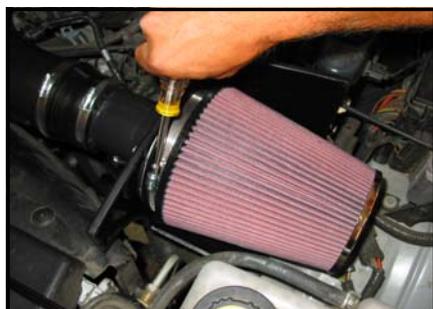


22. b) 4.6L Engines: Attach the provided 90 degree hose and the crank case vent hose to the S&B intake tube. Secure with hose clamps. (picture not available)

23. Reconnect mass air sensor connections.



24. Install high performance filter and tighten hose clamp.



25. Check and tighten all clamps, bolts and connection points. Then reconnect the negative battery cable with the engine off.

## COMPLETE ASSEMBLY



## PERFORMANCE TESTING

- Engage parking brake and start your engine. To insure that the system was installed properly, listen for abnormal noises. If an air leak is detected, re-inspect hoses and connections as they may need to be tightened.
- S&B FILTERS RECOMMENDS THAT YOU KEEP YOUR OEM INTAKE SYSTEM IN THE EVENT IT IS REQUIRED IN THE FUTURE.
- In order to maintain proper warranty, all connections and components must be checked periodically for realignment and to tighten all connections. Failure to do so will void your warranty.
- Use only S&B cleaning and oil products to service your filter. Using other company's oil and cleaner products may void your warranty.

**Call (909) 947-0015 should you have any questions or comments.**