



# S&B PERFORMANCE FILTERS & INTAKE KITS

## INSTALLATION INSTRUCTIONS

### S&B Part # 75-2514-4

### FORD

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

Expedition V8-436L, 5.4L

Navigator V8-5.4L SOHC

QTY	PARTS LIST	QTY	PARTS LIST	TOOLS REQUIRED
1	3" / 3.5" Step Adapter	1	3/4" x 6" Hose	Screw Driver (flat)
1	3.5" / 4" Step Adapter	2	1/4"-20 Speed Nut	7/16" Socket
1	Intake Tube	2	1/4"-20 x 3/4" Bolt	10mm Socket
1	Air Filter Shield	2	1/4" Fender Washer	Socket Extension (Long)
1	Air Filter	2	Gasket	Ratchet
1	1/2" Grommet	1	Filter Adapter	13mm Wrench
2	#64 Hose Clamp	4	1/4-20 x 1" Bolt	
2	#60 Hose Clamp	4	1/4 Washer	
3	#8 Hose Clamp			

\* Kit may not fit vehicles with a body lift installed.

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



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



9. Use a flat head screw driver to pry up the rubber grommet, turn it side ways and push it back through the hole.



2. Remove the dust cover.



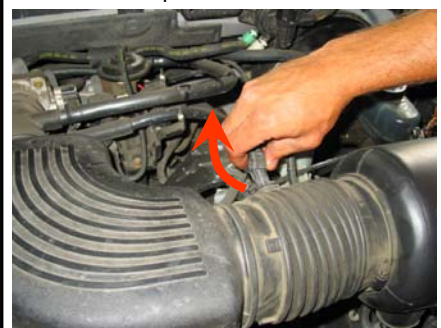
6. Disconnect the electrical connection for the MAF sensor.



10. Release the four clips that secure the MAF sensor housing by pushing with a flat blade screwdriver. Remove the housing and set the wiring harness aside for now.



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



7. Pull up to release the OE air intake tube assembly from the grommets. And remove it from the vehicle.



11. Remove the 4 bolts to separate the MAF from the housing.



4. (a) On 4.6L Engines: Disconnect both the air bypass valve line and the crankcase vent line from the OE air intake tube.  
4. (b) On 5.4L Engines: Disconnect both the idle air control line and the crankcase vent line from the OE air intake tube.



8. Unclamp and open the air cleaner to gain access to the MAF housing.



12. Assemble the MAF sensor, heat shield and the filter adapter using the two gaskets and 1/4-20 x 1" bolts provided.





# INSTALLATION INSTRUCTIONS (continued)

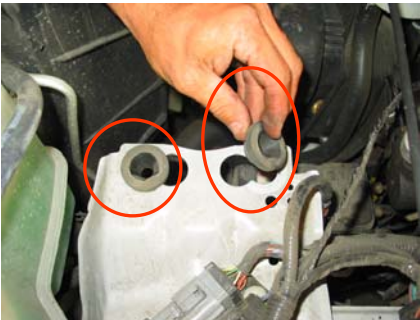
**13.** Twist and pull to remove the air temperature sensor from the OE intake tube.



**14.** Install the rubber grommet provided into the S&B intake tube and then carefully insert the air temperature sensor into the grommet.



**15.** Remove the OE rubber grommets from the inner fender bracket.



**16.** Install the speed nut clips to the inner fender bracket.



**17.** Install the heat shield to the inner fender bracket and secure using the 1/4"-20 x 3/4" bolts and fender washers.



**18.** Install the step adapters and appropriate hose clamps onto the S&B intake tube.



**19.** Install the S&B intake tube onto the throttle body and MAF sensor housing.



**20.** Reconnect the air temperature sensor electrical connection..



**21.(a) On 4.6L Engines:** Cut the 3/4"x6" hose down to about 3" to bridge the upper port on the intake tube to the air bypass valve, secure with #8 hose clamps. Reconnect lower vent line to the intake tube's lower port, secure with #8 hose clamp.



After installing the S&B Intake kit, some 4.6L engines may generate a whistling sound at the air bypass valve. To eliminate the whistle remove the valve and cut the flange of the air bypass valve just up from the last barb, deburr the edge and re-install the valve.



**21.(b) On 5.4L Engines:** Attach the provided 3/4"x6" hose to the crank case vent line and secure both the vent and idle air control lines to the S&B intake tube. Use the #8 Hose Clamps. If the OE vent line allows, you may cut the provided hose shorter as pictured below.



**22.** Reconnect MAF sensor connections.



**23.** Install the S&B air filter and tighten hose clamp.



**24.** Inspect your installation, make sure kit is properly positioned and all fasteners are tight. Reconnect the battery.



**25.** Affix the C.A.R.B. exemption sticker in plain sight under the hood near the intake system.

# INSTALLATION INSTRUCTIONS (continued)

## Smog Certification Note:

The California Air Resource Board (CARB) requires that an E.O. identification label be applied to the vehicle in order to pass a smog check inspection when a High Performance Intake Kit has been installed.

You must place the E.O. label provided on or near the intake kit after installation so that a smog check technician can easily verify the E.O. number.

## PERFORMANCE TESTING

- \* Engage parking brake and start your engine. Listen for abnormal noises. If an air leak is detected, re-inspect hoses and connections as they may need to be repositioned and 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 your warranty, all connections and components must be checked periodically for alignment and for proper tension on all connections. Failure to do so will void your warranty.
- \* Use only S&B Filter cleaning and oil products to service your filter. Using any other brand oil and or cleaners may void your warranty.

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

## **PRECISION CLEANING & OILING KIT**



Part No. 88-0005

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or through your local S&B Distributor