



INSTALLATION INSTRUCTIONS

VEHICLE APPLICATION

Year: **2005-08 / 2006-08**
Make: **Ford / Lincoln**
Model: **F150 / Mark LT**
Engine: **5.4L**

TOOLS REQUIRED

- 8, 10, 13mm Wrench or Socket
- 1/2" Wrench or Socket
- T-20 Security Torx Wrench (Supplied w/ Kit)
- 5/16" Nut Driver or Flat Blade Screwdriver
- Ratchet

S&B FILTER OIL

Your Air Filter P/N: KF-1049 is factory oiled and ready to use. When serviced it will require:

- 71g - Main Body
- 17g - Power Stack (Top)

NOTES

Kit may not fit with the following

Aftermarket Parts Installed:

- Body Lift
- Custom Hood
- Throttle Body Upgrade
- Throttle Body Spacer

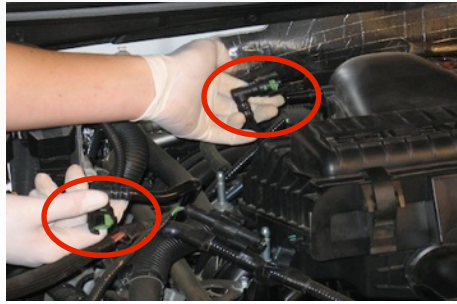
BEFORE YOU START

- Please read the entire product guide before proceeding.
- Ensure all components listed on page 4 are present.
- If you are missing any of the components, call our customer support at (909) 947-0015.
- Do not attempt to work on your vehicle while engine is hot.
- Make sure the engine is turned off and the vehicle is in Park or the Parking Brake is set.

1. With the ignition switched off and the parking brake set, disconnect the negative battery cable.



2. Disconnect the crank case vent line from the passenger side valve cover and air box and remove.



3. Disconnect the electrical connection for the MAF sensor, at the air box on the Driver's side.



4. IF EQUIPPED: Disconnect the brake boost vacuum line from the air box on the Driver's side. *Note: ONLY IF EQUIPPED, the S&B tube (C) must be cut at the trim line prior to installation.*



5. IF EQUIPPED: Remove the bolt that secures the OE intake tube assembly to the engine.



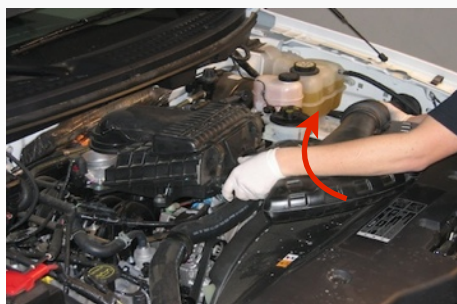
6. Remove the 4 studded bolts that secure the OE air box to the intake manifold.



7. Unclip the wire loom from the OE air box.



8. Pull up at the throttle body to remove the intake assembly from the vehicle.



9. IF EQUIPPED: Remove the OE tube bracket only. Re-install the lower nut on the mounting stud and tighten.

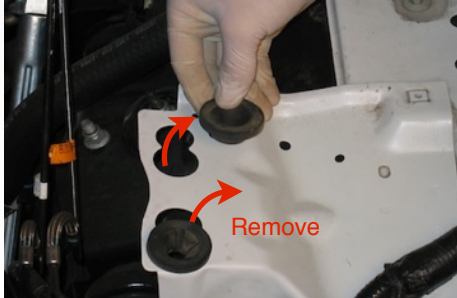


SEE EXPLODED VIEW ON PAGE 4



INSTALLATION INSTRUCTIONS (Continued)

10. IF EQUIPPED: Remove the OE rubber grommets from the inner fender on the Driver's side.



11. Relocate the wire loom closer to the inner fender.



12. Install the Step Adapter (P) on the Air Box (O) fender snout, push on as far as it will go and secure with a #56 hose clamp (F).



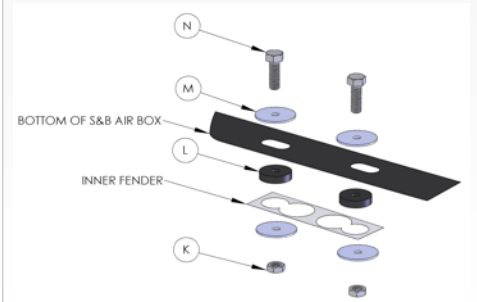
13. Place the Rubber Spacers (L) over the holes on the fender.



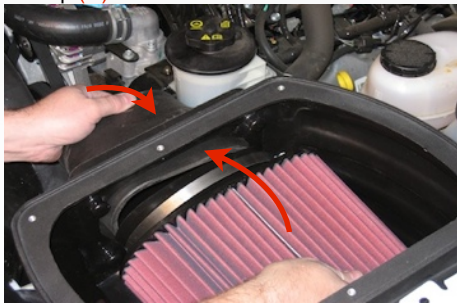
14. Install the Air Box (O) and secure using the 5/16" Bolts (N), Fender Washers (M), Rubber Spacers (L) and Lock Nuts (K). SEE THE DIAGRAM TO THE RIGHT



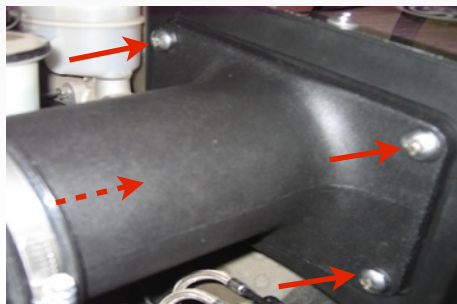
AIR BOX MOUNTING DIAGRAM:



15. Place the Air Filter (Q) inside the Air Box (O). Offset flange is toward the front of the vehicle. Snap the Filter Adapter (J) into the Air Filter (Q) and secure with #72 Hose clamp (G).



16. Secure the Filter Adapter (J) to the Air Box (O) using the 4 supplied 5/16" Phillips head screws (I).



17. Place the Hump Adapter (H) and #72 hose clamps (G) over the Filter Adapter (J). Do not tighten at this time.



18. Install the Step Adapter (E) over the Intake Tube (C) and secure using a #60 hose clamp (D). **Note:** You may find it easier to install the Adapter (E) on the throttle body first then install the Intake Tube (C) in Step #21.



19. Remove the MAF sensor from the OE air box using the supplied #T-20 Torx wrench. Note the direction of the sensor related to air flow.



20. Install the MAF sensor into the Intake Tube (C), evenly secure using the OE screws. **DO NOT OVER TIGHTEN**



SEE EXPLODED VIEW ON PAGE 4



INSTALLATION INSTRUCTIONS (Continued)

21. With #60 hose clamp (D) in place, install the Intake Tube (C) and adapter over the throttle body. Install the opposite end of the intake tube into Hump Adapter (H). Tighten all clamps, starting with the throttle body.



22. Reconnect the MAF sensor electrical connection.



23. Install the Crank Case Vent Hose (A) at the valve cover and Intake Tube (C) on the Passenger's side. Secure both ends using the #8 hose clamps (B).



24. **IF EQUIPPED:** Attach the OE brake boost vacuum line to the Intake Tube (C) on the Driver's side and secure using a #8 hose clamp (B). Caution: Intake Tube (C) must be modified if equipped with vacuum line. See step #4



25. Remove the protective covering from the Clear Lid (R) and install it on the Air Box (O). Secure using the 10/24 screws (S) and Sealing Washers (U). Do not over tighten.



26. Reconnect the battery. Inspect your installation, make sure the kit is properly positioned and all fasteners are secure. Affix the CARB sticker near the intake kit. The installation is now complete.



PRECISION FILTER CLEANING & OILING



Part No. 88-0005

Order online today at www.sbfilters.com or through your local S&B distributor.

RELATED ITEMS FOR YOUR PURCHASE

- Replacement Air Filter (Oiled) (S&B P/N: KF-1049)
- Replacement Air Filter (Dry) (S&B P/N: KF-1049D)
- Air Filter Wrap (S&B P/N: WF-1016)

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 OE 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 may void your warranty.
- Use only S&B FILTERS cleaning and oil products to service your filter. Using any other brand oil and or cleaners on your S&B air filter may void your warranty.

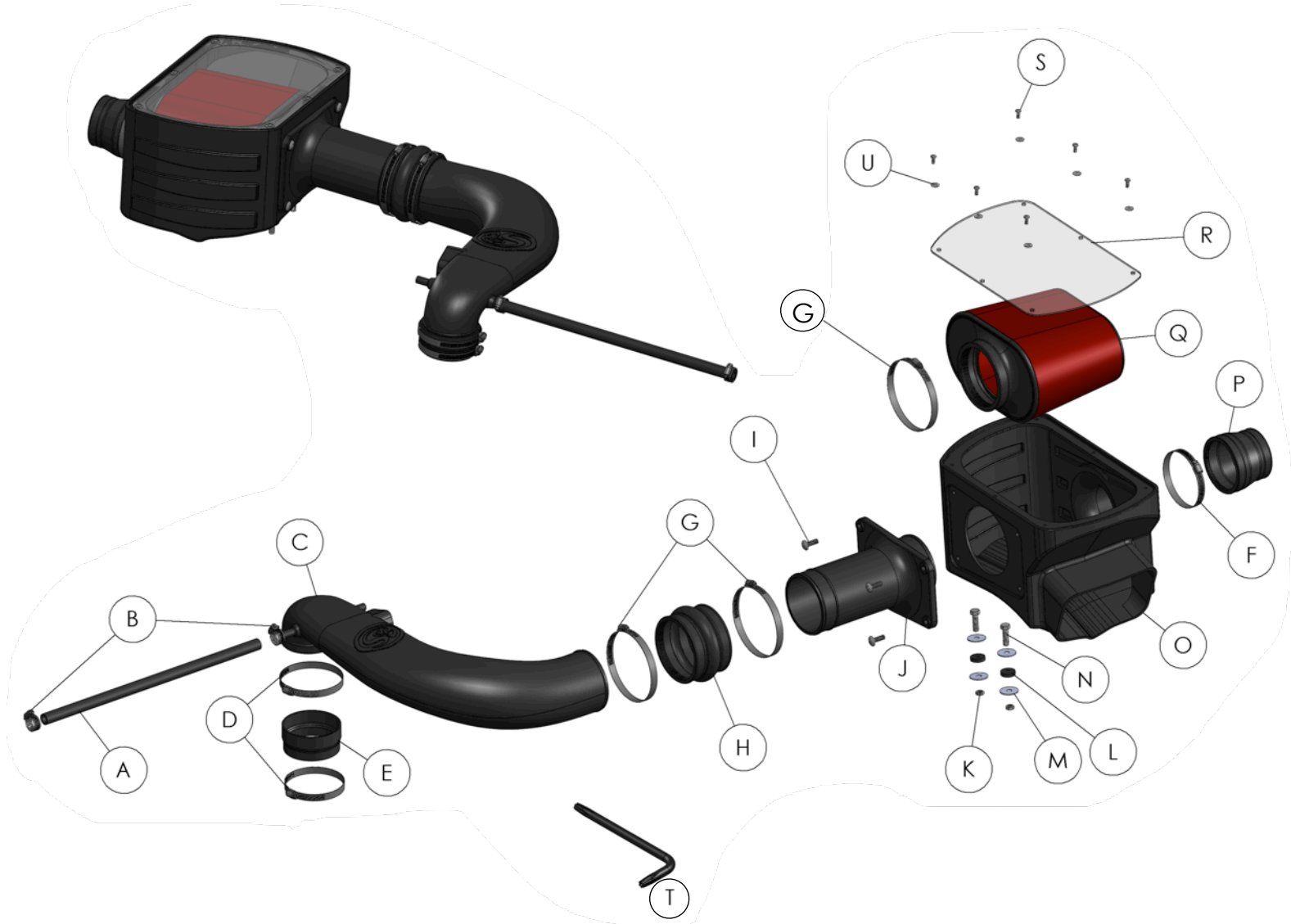
SEE EXPLODED VIEW ON PAGE 4

EMISSIONS STANDARD

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 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. As of April 2009, S&B has never had a product where CARB denied an exemption request; however, the exemption process with CARB can take as long as 18 months. Check the status of the exemption process by looking up a specific part number at www.sbfilters.com. The CARB Exemption number and/or status is listed under the Product Details section for each part number. If the status shows as "Pending," CARB has yet to issue an exemption. Products that have not been issued an EO number are street legal in most states, but may not be used on emission controlled vehicles in the state of California and are for off road use only. If you purchased your kit from S&B Filters directly, we will automatically mail you your Exemption Sticker when it is issued to us. If you purchased your kit from an authorized S&B Filters Dealer, log onto our web site and register to receive your Exemption Sticker.



EXPLODED VIEW



| ITEM | QTY. | DESCRIPTION | P/N |
|------|------|-----------------------------|------------|
| A | 1 | Hose, 18" Crank Case Vent | AI1038-00 |
| B | 2 | Hose Clamp, #8 | AG1000-00 |
| C | 1 | Intake Tube | AL1121-00 |
| D | 2 | Hose Clamp, #60 | AG1008-00 |
| E | 1 | Adapter, Step, 3.50"-3.75" | AI1306S-00 |
| F | 1 | Hose Clamp, #56 | AG1019-00 |
| G | 2 | Hose Clamp, #72 | AG1009-00 |
| H | 1 | Adapter, Hump, | AI1286-00 |
| I | 4 | Screw, Pan Head, 5/16-18x1" | AI1297-00 |
| J | 1 | Air Filter Adapter | AL1122-00 |
| K | 2 | Nut, Lock, 5/16"-18 | AI1298-00 |
| L | 2 | Rubber Spacer, 1.75"OD | AI1471-00 |
| M | 4 | Washer, Fender, 5/16" | AI1080-00 |
| N | 2 | Bolt, Hex, 5/16-18x1.0" | AI1199-00 |

| ITEM | QTY. | DESCRIPTION | P/N |
|------|------|-----------------------------|------------|
| O | 1 | Air Box | AL1139B-00 |
| P | 1 | Adapter, Step, 3"-3.50" | AI1088-00 |
| Q | 1 | S&B Air Filter | KF-1049A |
| R | 1 | Clear Lid | AI1296-00 |
| S | 6 | Screw, Pan Head, 10-24x1/2" | AI1287-00 |
| T | 1 | T-20 Security Torx Wrench | AI1327-00 |
| U | 6 | Washer, Sealing, #10 | AI1272-00 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

AM0100-00 Rev.C 08/03/10