



**WARNING!**

**(MUST READ PRIOR TO INSTALLATION)**

**I. Water Ingestion Disclaimer:**

This product is intended for general highway use only! Under normal driving conditions water ingestion is usually not an issue; however, if the product becomes submerged from rain splashes or mud puddles due to harsh rains or flooding the engine may ingest water which could cause severe engine damage. Do NOT use this product when crossing any body of water including but not limited to large puddles, streams, rivers or lakes. **S&B has conducted extensive water testing with Southwest Laboratories to design a product, which was engineered to protect your vehicle. The testing was done at 381 CFM and according to the SAE J2554, Engine intake Air Water Separation Test Procedure that has been attached and can also be found on our website.**

If your engine ingests water, this could cause severe engine damage by hydro-lock or other conditions. Care should be taken to avoid these driving conditions. **ENGINE DAMAGE CAUSED BY THE INGESTION OF WATER INTO THE ENGINE IS THE DRIVER'S RESPONSIBILITY AND IS NOT COVERED BY S&B FILTERS!**

The table below demonstrates what percentage of the water bypassed the filter during the SAE J2554 Test Procedure.

<b>Standard Scoop Configuration With:</b>	<b>Water Bypassing the Filter, %</b>
Cotton Filter (KF-1035)	0.097

Visit [www.sbfilters.com](http://www.sbfilters.com) to see the entire Test Report and learn more about this product.

**II. Scoop Obstruction:**

Regularly inspect the entire Scoop Inlet for any obstruction or debris that may impede the flow of air.

**III. Decreased Ride Height**

Once the Scoop has been installed, please be aware that the Scoop sits lower than the bumper and drive accordingly to avoid damage to the scoop or vehicle. Make sure there is plenty space between your tire and the scoop before driving. The scoop system may not work with aftermarket wheels and tires.

**IV. Do NOT Seal Off Stock Inlet Location:**

In addition to pulling air from the base of the air box, the S&B Cold Air Intake Kit pulls air from the same location as the stock induction system. **UNDER NO CIRCUMSTANCE SHOULD YOU SEAL OFF THIS AIR INLET.** Doing so could result in severe injury or death or damage to the vehicle or property. Sealing off the stock air inlet could cause a significant vacuum should the Scoop become partially or completely obstructed which among other things could pull oil into intake tube leading to an explosion and/or a run-away truck condition as the oil would serve as fuel to the engine.

**V. Warranty for Scoop & Filter Wrap**

S&B provides a limited warranty to guarantee the product is free of material and workmanship defects. Any product will be replaced upon identification of such defect. Normal wear and tear is not covered under this warranty. Final authorization is at the sole discretion of S&B Filters, Inc.

**VI. How long will the Scoop & Filter Wraps Repel Water?**

The Scoop & Filter Wraps are specially treated to repel water. The water repellency longevity is dependent upon driving conditions and the number of times the filter is cleaned. Generally speaking, we recommend changing the Filter Wrap every 6-12 months. However, a quick test can determine if it is time to change your Filter Wrap. Simply take an ordinary clean spray bottle filled with water and gently spray the Filter Wrap. If the water beads off the Filter Wrap, your water repellency is still working. If you see water enter through the Filter Wrap, it is time to purchase a new Filter Wrap.



## INSTALLATION INSTRUCTIONS

Important: Read warning page prior to proceeding.

### VEHICLE APPLICATION

Year: 2009-10  
Make: FORD  
Model: F150  
Engine: 5.4L  
2010 Models may require minor trimming  
See Step #7 for details

### OE BUMPERS ONLY



### TOOLS REQUIRED

- 5/16", 1/2", 10mm Sockets
- 5/16", 1/2", 10mm Wrenches
- 5/16" Nut Driver or Flat Blade Screwdriver
- Phillips Screwdriver
- Hacksaw and/or Utility Knife

### NOTES

Kit may not fit with the following:

- Aftermarket Bumper
- Body Lift or Lowering Kit
- Front Hitch
- Oversized Wheels and Tires



### Thread Locker Use

We have provided a small tube of thread locker in your kit. Whenever you see the symbol above on a step of the instructions apply 1 small drop of the thread locker to the threads of the screws or bolts. This will keep your hardware from vibrating loose during rough driving. If the hardware ever needs to be removed, do so slowly to avoid having the inserts strip out from the plastic. DO NOT USE ON LID HARDWARE.

### BEFORE YOU START

- Please read the entire product guide before proceeding.
- Ensure all components listed on page 5 are present.
- If you are missing any of the components, call our customer support at (909) 947-0015.
- Do not 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. Note: Turn the front wheels to the left before starting to gain extra clearance.** With the ignition switched off and the parking brake set, disconnect the negative battery cable.



**2.** Remove the 6 screws attaching the clear lid to the air box.



**3.** Loosen both hose clamps on the hump adapter and slide the hump adapter over the intake tube. Then remove the Adapter tube and Air Filter from the air box.



**4.** If installed, remove the air box plug from the air box. If not, install the three clip nuts that were supplied with the intake kit onto the bottom opening lip of the air box.



**5.** Install the three Clip Nuts (E) over the holes on the Scoop Base (D) as shown.



**6.** Slide the Scoop Channel (C) over the Scoop Base (D) and attach using the three supplied #10-32 Screws (B) and Sealing Washers (A).



**7. Note:** For some 2010 models; It may be necessary to trim the wheel liner for the installation of the scoop assembly. Use a hacksaw or utility knife for this step.



**8.** Slide the Scoop Assembly up into the engine compartment from under the vehicle. **Note:** It may be useful to have something to support the Scoop Base before continuing.



**9.** From inside the air box grab the top of the Scoop assembly and align with the three holes in the air box. **Note:** It is necessary to move some wiring harnesses out of the way to gain clearance for the scoop assembly.



**SEE EXPLODED VIEW ON PAGE 5**



**INSTALLATION INSTRUCTIONS (continued)**

10. Attach the Scoop assembly to the Air box using the hardware removed in step #4 (three #10-32 Screws and Sealing washer supplied with the intake system). Secure all three screws.



11. Locate these two bolts from behind the front bumper. Using a 10mm socket, remove the two bolts.



12. Attach the Mounting Bracket (F) to the bumper bracket using three Flat washers (G) and the OE bolt for the left side tab and just the OE bolt on the right side tab. Tighten both bolts.



13. Attach the Mounting Bracket (F) to the Scoop Base (D) using the two supplied 5/16" Bolts (H), four 5/16" Washers (G), and two 5/16" Nuts (I).



14. When you are satisfied with the position of the scoop, tighten all the 5/16" hardware using 1/2" socket on top and a 1/2" wrench on the inside.



15. Double check to make sure all hardware on the scoop is securely fastened and all parts are properly positioned.



16. Reinstall the adapter tube and Air Filter into the air box. Slide the hump adapter back over the intake tube connection and tighten both hose clamps.



17. Reinstall the clear lid and tighten all six screws. **Do NOT use thread locker on lid hardware, it may cause the lid to crack.**



18. Reconnect the negative battery terminal. Inspect the installation, be sure the kit is properly positioned and all fasteners are secure.



19. Check to make sure the Scoop assembly does not interfere with the wheel or wheel well liner. Turn the wheel in both directions while trying to simulate full suspension travel.



**SEE EXPLODED VIEW ON PAGE 5**



## **INSTALLATION INSTRUCTIONS (continued)**

### **REMINDER!**

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#### **Scoop Obstruction:**

Regularly inspect the entire Scoop Inlet for any obstruction or debris that may impede the flow of air.

#### **Decreased Ride Height**

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#### **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.

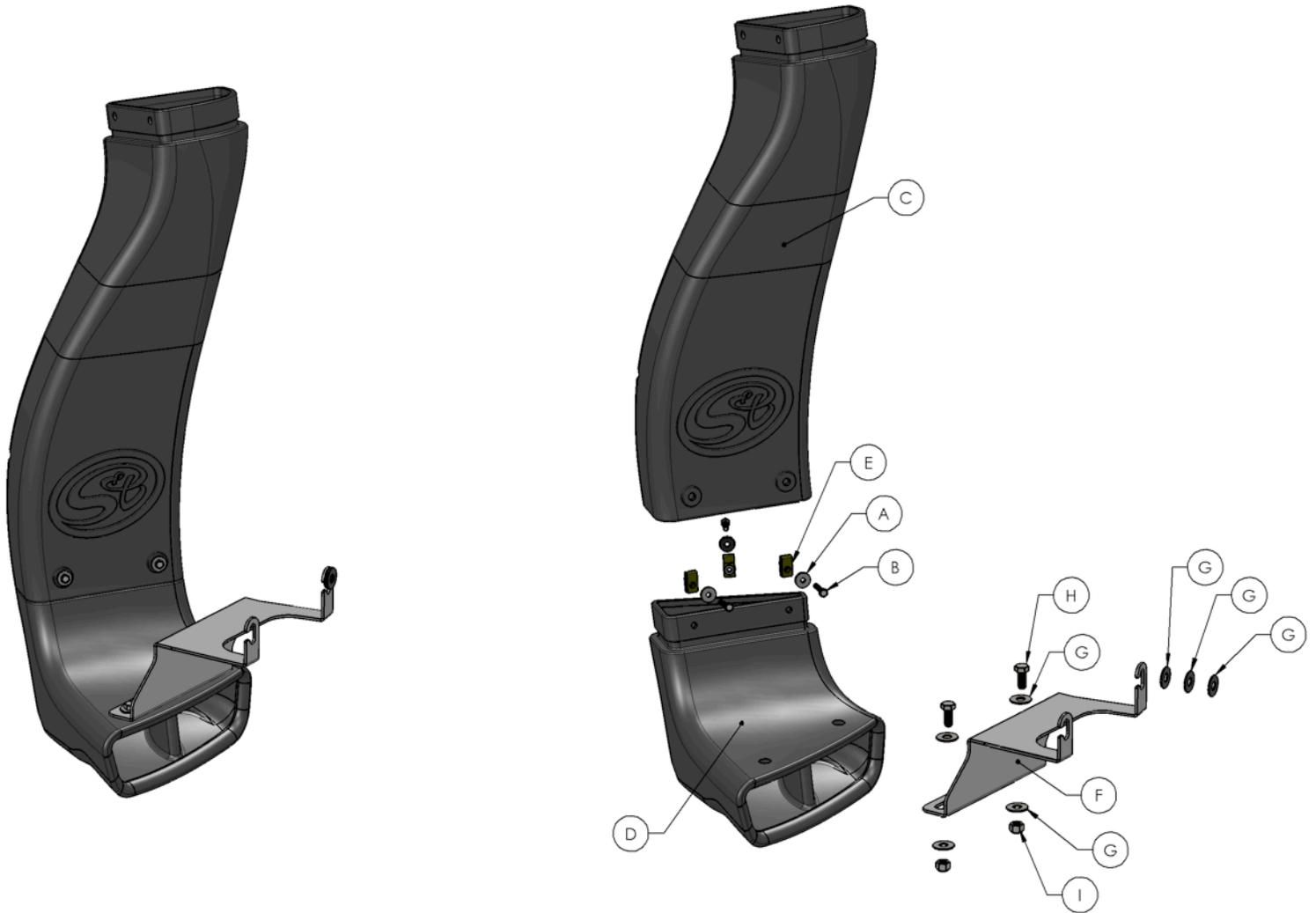
#### **RELATED ITEMS FOR YOUR PURCHASE**

- Air Filter Wrap (S&B P/N: WF-1023)
- Snow Plug and Bracket Kit (S&B P/N: AS-1008)
- Replacement Clip Nut Hardware pack (S&B P/N: HP1225-00)

**SEE EXPLODED VIEW ON PAGE 5**



**EXPLODED VIEW**



ITEM	QTY.	DESCRIPTION	P/N
A	3	Washer, S.S. Sealing	AL1272-00
B	3	Hex Head Screw, #10-32x1.0"	AL1490-00
C	1	Scoop Channel	AL1144-00
D	1	Scoop Base	AL1145-00
E	3	Clip Nut, Self Locking, #10-32	AL1492-00
F	1	Lower Scoop Mounting Bracket	AL1484-00
G	7	Washer, Flat, 5/16"	AL1093-00
H	2	Hex Head Screw, 5/16-18x3/4"	AL1467-00
I	2	Nut, Nylon Insert, 5/16-18	AL1298-00
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ITEM	QTY.	DESCRIPTION	P/N
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