



## **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 700 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)	0.24
Cotton Filter (KF-1035) & Filter Wrap (WF-1023)	1.34
Cotton Filter (KF-1035), Filter Wrap (WF-1023) & Scoop Wrap (WF-1028)	0.044
Dry Filter (KF-1035D), Filter Wrap (WF-1023) & Scoop Wrap (WF-1028)	0.036

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: 2003-09  
Make: **DODGE**  
Model: **RAM 2500/ 3500**  
Engine: **5.9L / 6.7L DIESEL**  
(Standard chrome bumper only)

### STANDARD CHROME BUMPER ONLY



### TOOLS REQUIRED

- 8mm Socket
- 18mm Wrench & Socket
- 7/16" & 1/2" Wrench & Socket
- 5/16" Nut Driver or Flat Blade Screwdriver
- Pliers

### NOTES

- Kit may not fit with the following:
- Painted or Aftermarket Bumper
  - Aftermarket Parts installed
  - Body Lift or Lowering Kit
  - Front Hitch
  - Oversized Wheels and Tire

### 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 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 cables on both batteries.



2. Using a 8mm socket locate and remove the (8) screws from the wheel well liner.



3. Using a pair of pliers, push the pin attaching the wiring harness to the inside. Then remove the wheel well liner from vehicle by pushing it in and then down to remove.



4. If equipped, remove the S&B splash guard from the lower portion of the box using 7/16" socket. Retain the screws, large flat washers and lock washers.



5. From under the truck, remove the two nuts behind the bumper on either side of the frame using a 18mm socket.



6. Apply a small amount of the supplied Blue Loctite to (4) 1/4"-20 Hex Bolts (E).



7. Slide the Scoop Main Channel (A) over the Scoop Base (B) and secure starting the back using the supplied 1/4"-20 hex bolts (E), flat washers (F), and lock washers (D).



8. Secure the front using the other 1/4"-20 Hex Bolts (E), flat washers (F), and lock washers (D) to the front of the scoop.



9. Apply a small amount of the supplied Blue Loctite to the (4) 5/16"-18 Hex Bolts (G).



**SEE EXPLODED VIEW ON PAGE 5**





**INSTALLATION INSTRUCTIONS (continued)**

10. Install the "L" mounting bracket (C) to the top of the Scoop Base (B) using two 5/16"-18 hex bolts (G), two 5/16" hex nuts (H) four flat washers (F) and two lock washers (D). Leave hand tight for now.



11. Install the second "L" mounting bracket (C) to the top of the Scoop Base (B) using the remaining 5/16" supplied hardware. Leave hand tight for now.



12. With the two brackets loosely mounted to the scoop assembly, carefully slide it under the vehicle, Main Channel end first.



13. Carefully slide the brackets between the tire and bumper. *Note: You may want to turn the wheel to the right to gain extra clearance.*



14. Move the Main Channel portion of the assembly up into the wheel well.



15. With the bottom of the scoop supported attach the Main Channel (A) to the S&B intake box. Use a small amount of Loctite on the remaining 1/4" hardware and tighten.



16. Push the two "L" Mounting Brackets (C) over the studs. Make sure the tabs are flush against the inner bumper. Re-attach the OE nuts to the studs. Re-Torque to factory spec.



17. When you are satisfied with the positioning, tighten down the "L" brackets (C) to the Scoop Base (B) using two 1/2" wrenches (one on top and one inside).



18. *Double check to make sure all hardware is securely fastened and all parts are properly positioned.*



19. Reinstall the wheel well liner using the (8) screws that were removed in step #2. Make sure all of the screws are started before tightening them down.



20. Check to make 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.



21. Push in the pin that was removed in step #3 from inside the engine compartment. Then reconnect both batteries terminals. Inspect the installation, be sure the kit is properly positioned and all fasteners are secure.



**SEE EXPLODED VIEW ON PAGE 5**



## **INSTALLATION INSTRUCTIONS (continued)**

### **REMINDER!**

#### **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.

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!**

#### **Scoop Obstruction:**

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

#### **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.

### **PRECISION FILTER CLEANING & OILING**



Order online today at [www.sbfilters.com](http://www.sbfilters.com) or through your local S&B distributor. (S&B P/N:88-0005)

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

- Air Filter Wrap (S&B P/N: WF-1023)
- Water Protection Scoop Wrap (S&B P/N: WF-1028)
- Snow Cap Plug and Mounting Bracket kit (S&B P/N: 75-5051)

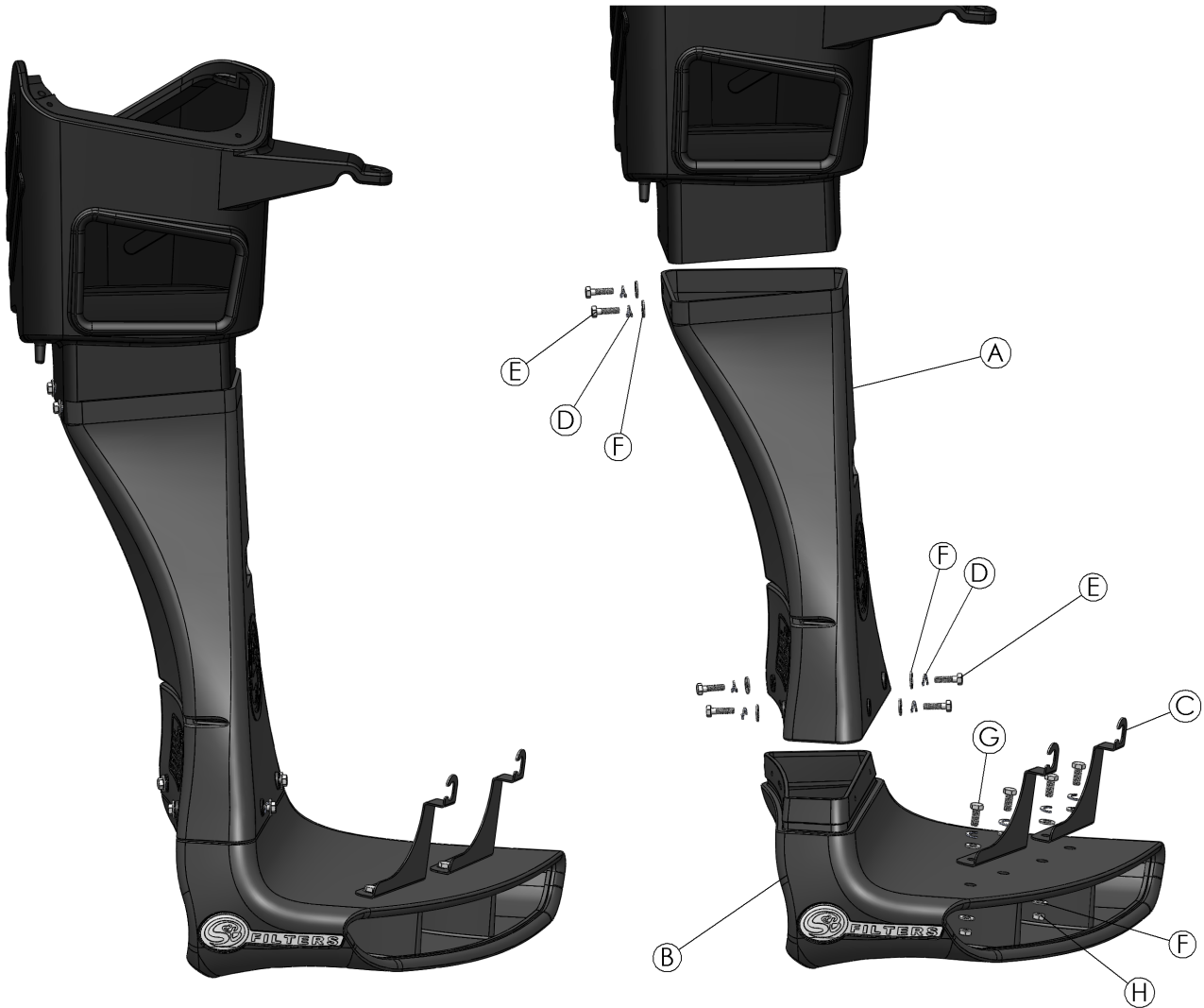
### **PERFORMANCE TESTING**

- 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 5**



**EXPLODED VIEW**



ITEM	QTY.	DESCRIPTION	P/N
A	1	Scoop, Main Channel	AL1111-00
B	1	Scoop, Base	AL1118-00
C	2	Lower "L" Mounting Bracket	AI1437-00
D	10	Washer, Split Lock, 1/4"	AI1309-00
E	6	Hex Head Screw, 1/4"-20x3/4"	AI1068-00
F	14	Washer, 5/16"ID x 3/4"OD	AI1073-00
G	4	Hex Head Screw, 5/16"-18x3/4"	AI1467-00
H	4	Nut, Hex Jam, 5/16"-18	AI1198-00
I	1	Loctite 242, .02oz., Blue	AI1406-00
J			
K			
L			
M			
N			

ITEM	QTY.	DESCRIPTION	P/N
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			
AA			
AB			

AM0156-00 Rev.B 05/30/12