

## Installation Instructions

### Vehicle Application

Year: **2003-08**  
Make: **DODGE/ RAM**  
Model: **1500**  
Engine: **5.7L Hemi**

### Tools Required

- 8mm, 10mm, 13mm Wrench & Socket
- 7/16" Wrench and Socket
- 5/16" Nut Driver or Flat Blade Screwdriver
- Phillips Screwdriver

### S&B Filter Maintenance

Cleanable (KF-1056). If the enclosed filter is Red, it came pre-oiled from the factory. When serviced, apply (110g) of S&B oil to the main body of the filter and (20g) to the Power Stack (Top).

Disposable (KF-1056D). If the enclosed filter is White, it is a disposable filter and should be discarded once it reaches capacity. This filter (does not require oil). For more info on S&B's disposable filter, visit [www.sbfilters.com](http://www.sbfilters.com).

### Notes

Kit may not fit with the following Aftermarket Parts installed:

- Body Lift or Lowering Kit
- Custom Hood
- Throttle body upgrades

### CARB Status - Exempt

CARB EO #: D-590-8

Legal for use in CA or other states adopting CA emissions standards  
See Page 3 for more info.

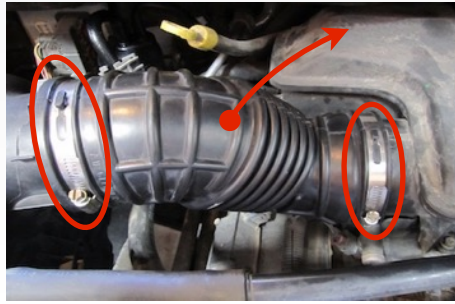
### Before You Start

- 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 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 on the driver's side. **Note: Failure to disconnect the battery may cause the CEL to illuminate upon completion of the installation and subsequent operation. Do not skip this step!**



2. Loosen the hose clamp connecting the tube to the air box and the clamp attaching the tube to the resonator body. Then remove intake tube from the truck.



3. Loosen the two screws on the resonator assembly using a 10mm socket. Disconnect the Temp. Sensor wiring harness from the sensor.



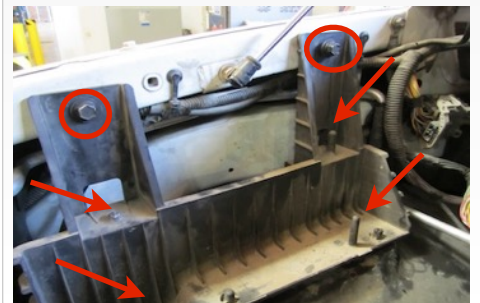
4. Remove the OE throttle body gasket.



5. **2004-08 Models:** Remove the breather hose from the lid of the air box only. **2003 Models:** Remove the breather hose from the oil fill reservoir.



6. Remove air box by carefully pulling the air box straight up out of the four pins of the air box tray. Then remove the two bolts mounting the tray to the frame using 13mm socket.



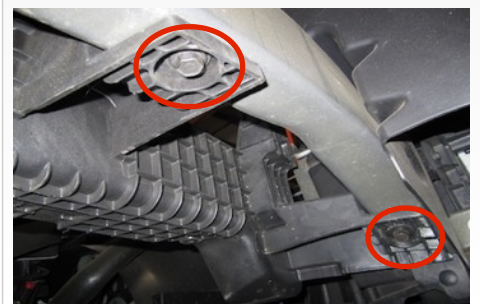
7. Remove the eight screws securing the wheel liner using 8mm socket.



8. From inside the engine compartment, carefully pull the wiring harness connector out from the wheel liner. Then remove the wheel liner from the truck.



9. Using 13mm socket, remove the other 2 bolts securing the air box tray. Then remove the tray from the truck



**SEE EXPLODED VIEW ON PAGE 4**



## Installation Instructions (continued)

10. Insert the supplied Grommet (D) into the Air Box (M).



11. For those concerned about minimal engine heat; insert the Air Inlet Plug (T) into the end of the Air Inlet Tube (S). Attach using the supplied 1/4"-20x3/4" Screws (V), 1/4" Lock Washers (U) and 1/4" Flat Washers (W). For those seeking additional air flow, set the Air Inlet Plug aside and save all the supplied hardware. (See page 3 for more info and test results)



12. Carefully place the Air Box (M) and the Air Inlet Tube (S) in the general location. You may have to gently push some hoses aside to drop both parts in at the same time.



13. Using the OE bolt, secure the Air Box (M) to the frame. Leave loose for now.



14. From inside the wheel well, attach the air box to frame using the supplied M8x40mm Hex Bolt (K) and Fender Washer (L). Then secure both bolts mounting the air box to the frame.



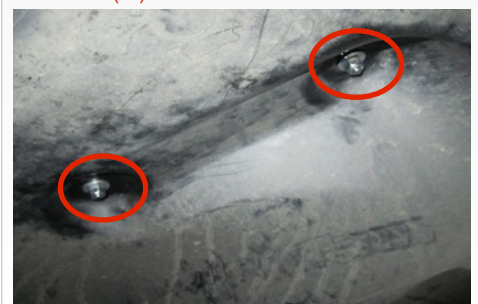
15. Insert the Air Inlet Tube (S) onto the Air Box (M) and secure using the supplied 1/4"-20x3/4" Screws (V), 1/4" Lock Washers (U) and 1/4" Flat Washers (W).



16. Reinstall the wheel liner using 6 of the OE screws. Reinstall wiring harness connector into wheel liner that was removed in Step #8.



17. Secure the wheel liner to the air box using two supplied 1/4"-20x3/4" Screws (V) and Flat Washers (W) inside the air box. Use the 1/4" Nylock Nuts (X) and 1/4" Flat Washers (W) under the wheel liner.



18. Insert the S&B Filter (J) onto the Adapter Tube (H) and secure the #104 Hose Clamp (I). Install the assembly into the Air box. **2004-08 Models:** Push the OE breather hose onto the stem of the Adapter Tube (H).



19. **2003 Models Only:** Install the S&B Breather Hose (Z) onto the oil fill reservoir using the #8 Hose Clamp (Y) and push the other end onto the stem of the Adapter Tube (H). Secure using the supplied Cable Tie (AA).



20. Install the Clear Lid (N) using the supplied 5/16" SS Screws (Q) and Rubber Washers (R) along with the 10-24 Screws (P) and SS Sealing Washers (O). This will secure the Filter Adapter to the Air Box as well. (Do not over tighten!)



SEE EXPLODED VIEW ON PAGE 4



## Installation Instructions (continued)

21. Note the OE Temp. Sensor orientation. Then carefully turn it counter clockwise and pull it out of the OE resonator.

Then remove the O-ring from the sensor.



22. Insert the supplied Grommet (D) into the Intake Tube (E). Carefully push the Temp. sensor into the grommet using a twisting motion. Be sure to match the OE orientation.



23. Place a #72 Hose Clamp (F) over each end of the Hump Coupler (G). Then slide the hump coupler over the end of the Intake Tube (E).



24. Secure the Silicone Step Coupler (B) to the throttle body using a #56 Hose Clamp (A). Place the #60 Hose Clamp (C) around the top of the Silicone coupler.



25. Insert the Intake tube assembly into the Silicone Coupler, then slide the Hump Adapter over the Adapter Tube. Tighten all hose clamps when you are satisfied with the positioning.



26. Reconnect the Temp. Sensor wiring harness.



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



### Related Items

Available at [www.sbfilters.com](http://www.sbfilters.com)

- Precision II Filter Cleaning & Oiling Kit (S&B P/N: 88-0008)
- Replacement Air Filter (Oiled) (S&B P/N: KF-1056)
- Replacement Air Filter (Dry) (S&B P/N: KF-1056D)
- Air Filter Wrap (S&B P/N: WF-1034)
- Air Scoop (S&B P/N: AS-1005)

### Testing and Maintenance

- 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 will void your warranty.

### Air Box End Cap Testing

Stock air boxes are a significant contributor to poor air flow which is why S&B designs custom air boxes with secondary and/or enlarged openings. With that said, S&B recognizes the benefits of cooler air, so we have included a plug to seal off the opening if so desired. For optimal performance, we recommend that the intake be used without the end cap except in conditions of extreme heat.

ISO 5011 Test Data:

With the plug installed, the intake improves airflow by an average of **53.4%** (oiled) **51.9%** (dry) versus stock.  
Without the plug installed, the improvement increases to an average of **55.2%** (oiled) **54.2%** (dry).

### 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](http://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.

**SEE EXPLODED VIEW ON PAGE 4**



**Exploded View**



ITEM	QTY	DESCRIPTION	P/N
A	1	Hose Clamp, #56	AG1019-00
B	1	Silicone Step Coupler	AI1306S-00
C	1	Hose Clamp, #60	AG1008-00
D	2	Grommet	AI1563-00
E	1	Intake Tube	AL1130-00
F	2	Hose Clamp, #72	AG1009-00
G	1	Hump Coupler	AI1286C-00
H	1	Adapter Tube	AL1128-00
I	1	Hose Clamp, #104	AG1012-00
J	1	S&B Filter	KF-1056
K	1	Screw, Hex Head, M8x40mm	AI1163-00
L	1	Fender Washer, 1-1/4"OD	AI1080-00
M	1	Air Box	AL1126-00
N	1	Clear Lid	AI1710-00

ITEM	QT	DESCRIPTION	P/N
O	2	Washer, SS Sealing, #10	AI1272-00
P	2	Screw, Pan Head, #10-24	AI1287-00
Q	2	Screw, Truss, 5/16-18x1.0"	AI1297-00
R	2	Washer, Rubber	AI1435-00
S	1	Air Inlet/ Snorkel Tube	AL1131-00
T	1	Air Inlet Plug	AL1133-00
U	6	Washer, Split Lock	AI1309-00
V	8	Screw, Hex Head, 1/4-20x3/4"	AI1068-00
W	10	Washer, Flat, 1/4"	AI1073-00
X	2	Nut, Hex Nylock, 1/4-20	AI1074-00
Y	1	Hose Clamp, #8	AG1000-00
Z	1	Breather Hose (2003 Models only)	AI1040-06
AA	3	Cable Tie (2003 Models only)	AI1212-00

AM0186-00 Rev.F 06/27/2017

**Warranty**

Visit [www.sbfilters.com/Support/Why-S-B/Million-Mile-Limited-Warranty](http://www.sbfilters.com/Support/Why-S-B/Million-Mile-Limited-Warranty) for S&B Filter's complete warranty.