



## INSTALLATION INSTRUCTIONS

### VEHICLE APPLICATION

Year: 2010-12  
Make: DODGE  
Model: RAM 2500/ 3500  
Engine: 6.7L TURBO DIESEL

### TOOLS REQUIRED

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

### S&B FILTER MAINTENANCE

Cleanable (KF-1053). If the enclosed filter is Red, it came pre-oiled from the factory. Please visit [www.sbfilters.com](http://www.sbfilters.com) for the exact oil amount required after cleaning.

Disposable (KF-1053D). 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

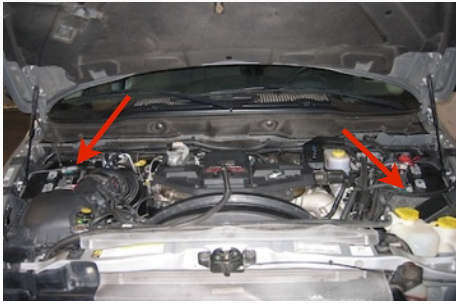
Kit may not fit with the following Aftermarket Parts installed:

- Body Lift or Lowering Kit
- Custom Hood
- Intercooler or Turbo upgrades

### 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 cables on both batteries. (Failure to disconnect the batteries may result in a Check Engine Light)



2. Disconnect the electrical connection for the Intake Air Temp. (IAT) Sensor and the Mass Air Flow (MAF) Sensor then unsnap the wire loom from the tube. (See the next step for removal)



3. For the MAF sensor, Slide the red locking tab up then depress the black lever while disengaging the connector. For the IAT sensor just depress the grey lever while disengaging the connector.



4. Loosen the hose clamp at the turbo inlet, next pinch the spring clamp and slide it up the steel piping. Then disconnect the silicone hose from the steel piping and remove spring clamp.



5. Remove the mounting nut on the stock air box.



6. Lift up and out to remove the stock air box assembly from the vehicle.



7. Carefully remove both sensors from the stock air box and set them aside for now.



8. Remove the plastic clip holding the coolant overflow tube to the fender. Remove the clip from the tube and rest the tube on the air inlet foam.



9. Use the supplied 8-32 SS Screws (F) and Sensor Gasket (E), and install the MAF sensor into Intake Tube (C). Do not over tighten.



SEE EXPLODED VIEW ON PAGE 4



**INSTALLATION INSTRUCTIONS (continued)**

10. Place the Silicone adapter (B) and both #64 Hose Clamps (A) onto the Intake tube (C) as shown. Tighten the clamp on the intake tube so that the screw can be accessed for future tightness checks.



11. Slide the Breather hose over the spout on the Intake tube (C). Slide both #12 Hose clamps (X) over the hose and tighten the clamp on the spout.



12. Place the Adapter tube (K) into the base of the S&B Air Filter (J) and tighten the #88 Hose clamp.



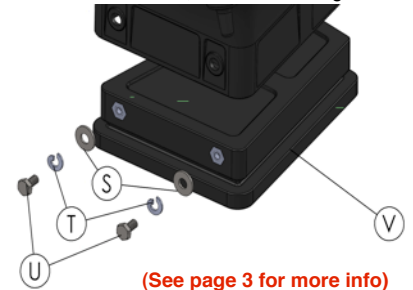
13. Use the remaining 8-32 SS Screw (F) and IAT Sensor Gasket (D), and install the IAT sensor into Adapter Tube (K).



14. Slide the 2 #72 Hose clamps (H) over the Hump Adapter (G). Then push the Hump adapter (G) over the Adapter tube (K). Leave clamps loose for now.



15. For those concerned about minimal engine heat; install the Box Plug (V) into the bottom of the Air Box (Q) using the 1/4-20 hardware. For those seeking additional air flow, set the Box Plug aside.



16. Install the Air Box (Q) into the truck. Be sure both prongs on the bottom of the air box push into the two grommets on the side of battery tray.



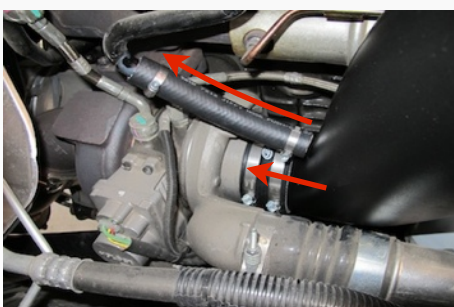
17. Attach the Air Box (Q) using the supplied M8x1.25x40mm Allen Head screw (R).



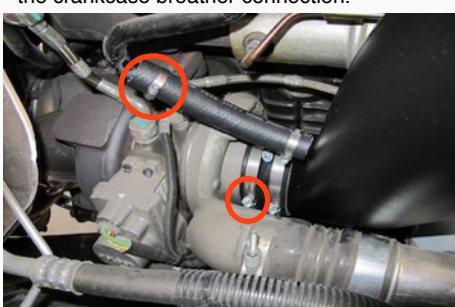
18. Carefully place the filter assembly into the Air Box trying not to ding or gouge the wire mesh. Rotate the Filter Adapter assembly into position and hook the clip into the Air Box.



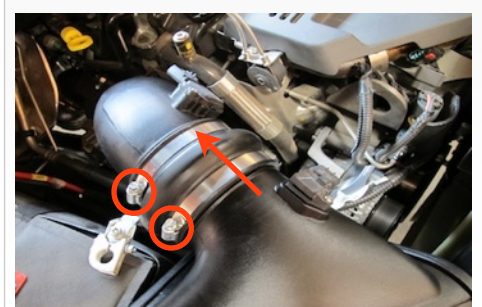
19. Install the Intake tube assembly by sliding the breather hose over the steel tube on the truck. Then push the silicone adapter over the turbo inlet. Leave loose for now.



20. Make sure the Intake tube (C) and Adapter tube (K) are aligned up top and tighten the hose clamp at the turbo connection. Also tighten the hose clamp at the crankcase breather connection.



21. Slide the Hump Adapter (G) over the Intake tube (C) and secure both the #72 Hose Clamps (H).



**SEE EXPLODED VIEW ON PAGE 4**



## INSTALLATION INSTRUCTIONS (continued)

22. Reconnect the MAF sensor and IAT sensor wiring harnesses to the sensors. It may be necessary to remove the wire tie to get more slack in the wires.



23. Install the Clear Lid (P) using the supplied 5/16" S.S. Screws (M) and Rubber Washers (L) along with the 10-24 Screws (N) and SS Sealing Washers (O). This will secure the Filter Adapter to the Air Box as well.



24. Reconnect both batteries. 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 II Filter Cleaning & Oiling



Order online today at [www.sbfilters.com](http://www.sbfilters.com) or through your local S&B distributor.  
Part #: 88-0008

### 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.
- 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. Visit [sbfilters.com](http://sbfilters.com) for complete warranty info.

### RELATED ITEMS FOR YOUR PURCHASE

- Ram Air Scoop (S&B P/N: AS-1002)
- Replacement Air Filter (Oiled) (S&B P/N: KF-1053)
- Replacement Air Filter (Dry) (S&B P/N: KF-1053D)
- Air Filter Wrap (S&B P/N: WF-1032)

### 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. Without the plug installed on the box, there is an additional improvement in airflow.

Visit the product page for this intake at [www.sbfilters.com](http://www.sbfilters.com) to see the actual test results outlined in detail.

**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](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.



**EXPLODED VIEW**



ITEM	QTY.	DESCRIPTION	P/N
A	2	Hose Clamp, #64	AI1018-00
B	1	Silicone Adapter, 4.10" x 2.0"	AI1029S-00
C	1	Intake Tube	AL1205-00
D	1	IAT Sensor Gasket	AI1302-00
E	1	MAF Sensor Gasket	AI1301-00
F	3	S.S. Screw, 8-32 x 1/2"	AI1479-00
G	1	Hump Adapter, 4.50" x 3.0"	AI1462C-00
H	2	Hose Clamp, #72	AG1009-00
I	1	Hose Clamp, #88	AG1011-00
J	1	S&B Air Filter	KF-1053
K	1	Filter Adapter Tube	AL1205A-00
L	2	Rubber Washer	AI1435-00
M	2	S.S. Screw, 5/16-18 x 1.0"	AI1297-00
N	2	S.S. Screw, 10-24 x 1/2"	AI1287-00

ITEM	QTY.	DESCRIPTION	P/N
O	2	S.S. Sealing Washer, 10-24	AI1272-00
P	1	Clear Box Lid	AI1442-00
Q	1	S&B Air Box	AL1160-00
R	1	Allen Screw, M8x1.25x40mm	AI1369-00
S	2	Washer, Flat, 1/4"	AI1073-00
T	2	Washer, Lock, 1/4"	AI1309-00
U	2	Hex Bolt, 1/4-20 x 3/4"	AI1068-00
V	1	Box Plug	AL1163-00
W	1	Breather Hose, 3/4"x7.0"	AI1040-00
X	2	Hose Clamp, #12	AG1030-00

AM0172-00 Rev.F 03/12/13

**Warranty**  
Visit [www.sbfilters.com](http://www.sbfilters.com) for complete warranty.