

## **INSTALL INSTRUCTION FOR 75-5132**

**PART#: 75-5132 / 75-5132D**

### **Vehicle Application**

**YEAR:** 2019 - 2020

**MAKE:** Ram

**MODEL:** 2500/3500 & Cab-Chassis

**ENGINE:** Cummins 6.7L Turbo Diesel

**Note:** This intake kit may not fit with the following Aftermarket Parts installed:

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

### **Tools Required**

- Flathead screwdriver
- Phillips Head Screwdriver
- T15 Torx bit and driver
- 10mm, 11mm, Combination of Wrench or Socket and Driver
- 5/16" Nut Driver or socket (possible extension needed)
- Panel Popper
- Step Stool (Optional)

**Note:** Approximate Install Time: 1 Hr 00 Mins.

### **S&B Filter Maintenance**

KF-1074 Cotton Cleanable: If the enclosed filter is RED, it came pre-oiled from the factory. Click [here](#) for the exact oil amount required for cleaning.

KF-1074D Dry Extendable: If the enclosed filters is WHITE, it is a disposable filter and should be discarded once it reaches capacity. This filter does not require oil.

### **CARB Status - EXEMPT**

The product has been submitted to the Air Resources Board for approval shortly.

**Not legal for use in CA or other states adopting CA emissions standards**

### **Before You Start**

- Please read the entire product guide before proceeding.
- Ensure all parts 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 the engine is hot.
- Make sure the engine is turned off and the vehicle is in Park or the Parking Brake is set.

### **Related Products**

- Cotton Cleanable Filter (KF-1074)
- Dry Extendable Filter (KF-1074D)
- Cleaning & Oiling Kit (88-0008)
- Filter Wrap (WF-1074)

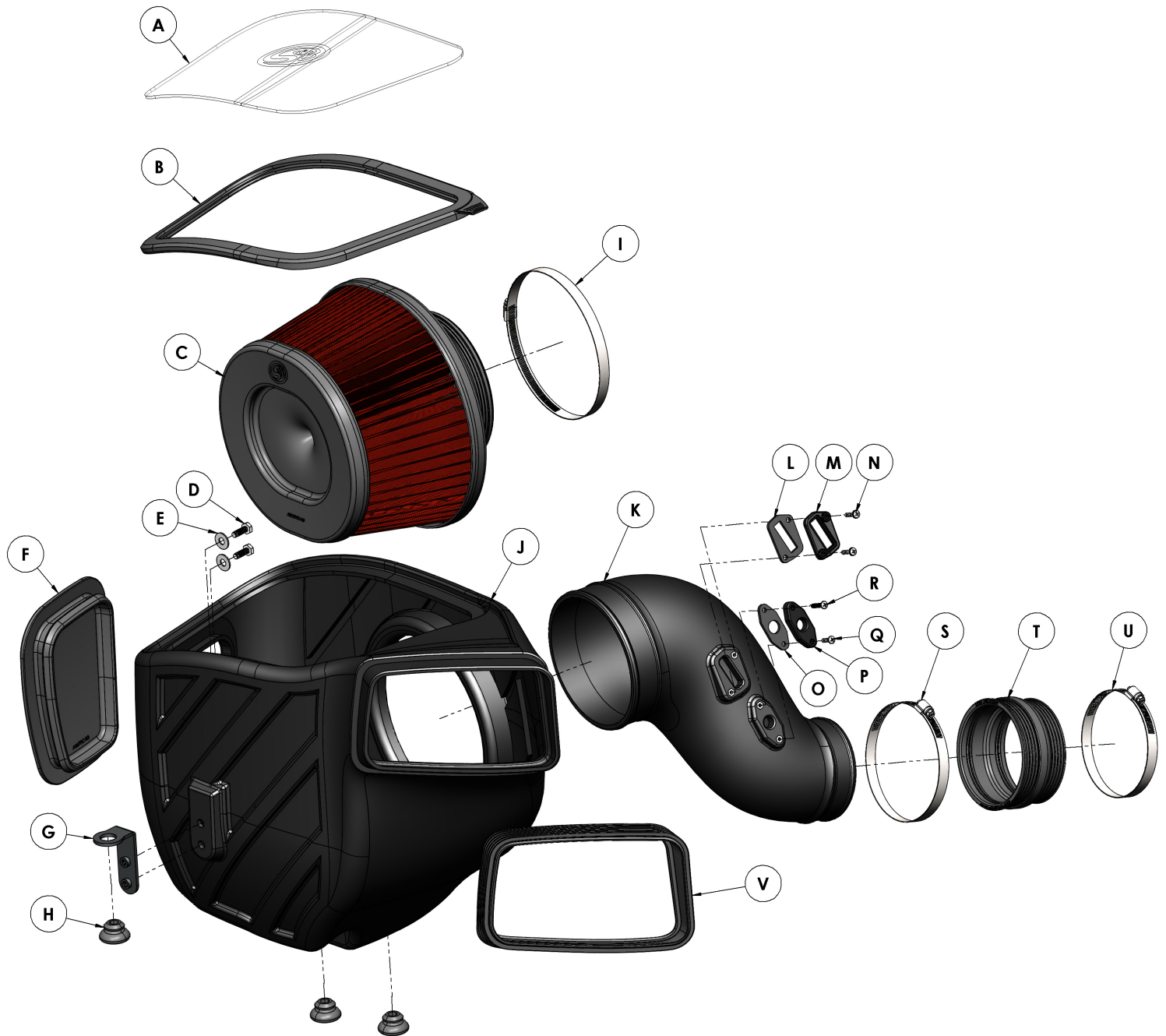
## Performance Testing

- 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.

## Warning!

If your vehicle has a Vehicle Emission Control Information decal affixed to the factory airbox, a new replacement label must be obtained and installed in a readily visible position in the engine compartment in order to remain CARB compliant. Failure to do so will prevent the vehicle from passing a smog check. Replacement labels can be ordered from your local dealership. Regulations state that the VECI label shall not be affixed to any equipment which is easily detached from the vehicle. Label placement, under the hood on a painted surface is recommended.

# EXPLODED VIEW



# PARTS LIST

ITEM	QTY.	DESCRIPTION	PART NUMBER
A	1	Polycarbonate Lid	Ai2376-01
B	1	Snap-in lid seal	Ai2325C-00
C	1	Kit Filter	KF-1074 / KF-1074D
D	2	1/4"-20 x 3/4"Hex Head Screws	Ai1068-00
E	2	1/4" Flat Washers	Ai1073-00
F	1	Air Box Plug	Ai1673C-00
G	1	Bracket	Ai1677-01
H	3	Rubber Grommets	Ai2375-00
I	1	#104 Hoseclamp	AG1012-00
J	1	Air Box	AL1360B-00
K	1	Tube	AL1360-00

ITEM	QTY.	DESCRIPTION	PART NUMBER
L	1	MAF Gasket	Ai1823-00
M	1	MAF Plate	Ai1822-00
N	2	8-32 x 3/4" Pan Head Screws	Ai1837-00
O	1	IAT gasket	Ai2327-00
P	1	IAT plate	Ai2326-00
Q	1	8-32 x 5/8" Pan Head Screw	Ai1434-00
R	1	8-32" x 7/8" Pan Head Screw	Ai2328-00
S	1	#72 Hose Clamp	AG1009-00
T	1	Step Coupler	Ai1542C-00
U	1	#64 Hose Clamp	AG1018-00
V	1	Scoop Seal	Ai2311-00

# INSTALLATION STEPS

## NOTE BEFORE INSTALLATION:

Please allow for a one hour waiting period after shutting the engine off before disconnecting this S&B cold air intake. This will have the best immediate performance while avoiding sensor disconnect codes related to disconnecting the sensors too soon after the engine is shut off.



## STEP 2

Remove the panel push-in rivets attaching the air scoop cover. There are 12 in total. Be sure to remove the two in the rear of the scoop cover connected to the factory scoop. A step stool may be required to reach.



## STEP 1

After waiting for one hour with the engine turned off, open the hood and begin installation.

**IMPORTANT: Failure to wait for a one hour period may cause the CEL to illuminate upon completion of the installation and subsequent operation. DO NOT SKIP THIS STEP!**



## STEP 2A

Use a flathead screwdriver prying under the locating pins to separate the locking pin and base.

**Note:** Collect these to be used later for re-installation.





### STEP 3

Lift-up the factory air scoop cover and remove it from the vehicle. Set it to the side, to be re-installed later



### STEP 4

Remove the 2 bolts attaching the factory air scoop to the vehicle using a 10mm driver or socket. Collect these bolts and set them to the side, to be re-installed later.



### STEP 5

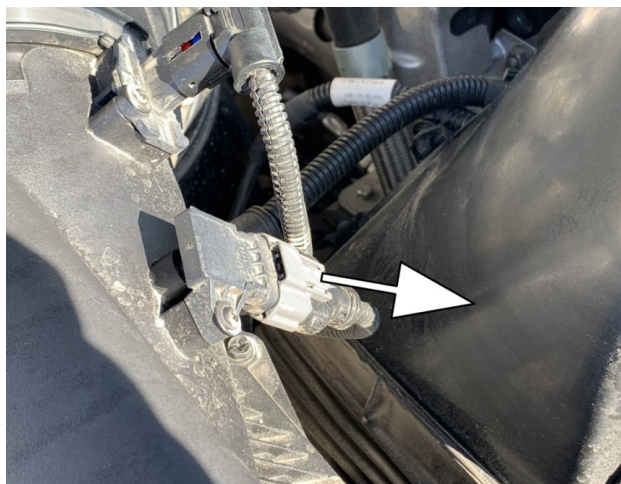
Disconnect the Intake Air Temp (IAT) and Mass Air Flow (MAF) Sensors from the stock airbox.

For easier access to disconnect the sensors, remove the Torx screws using a T15 Torx driver.



### STEP 5A

To remove the IAT sensor press down on the grey tab and pull to release.



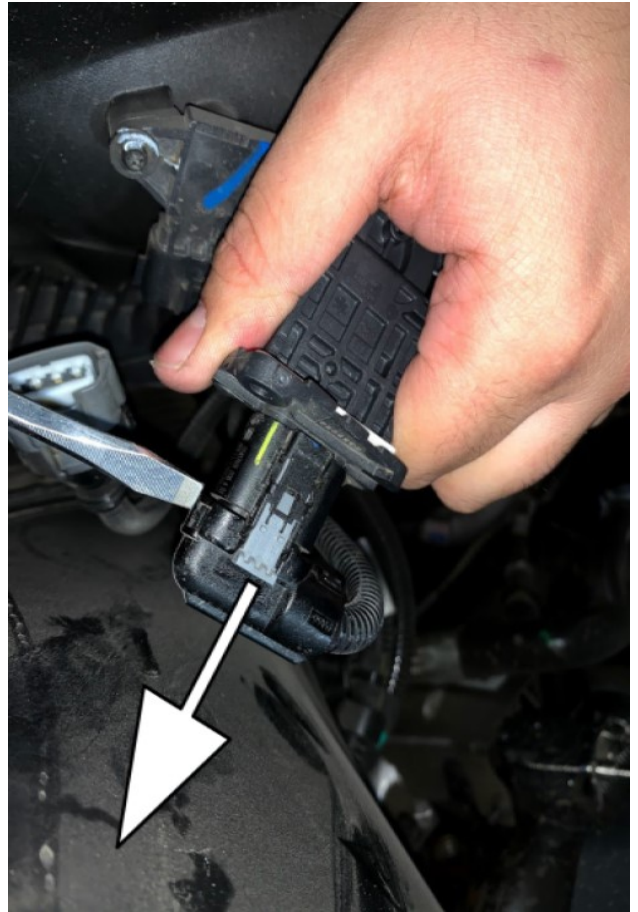
### STEP 5B

To remove the MAF sensor use a flathead screwdriver to pry off the tab cover



### STEP 5C

Pull out the grey tab. Press down on the grey tab and pull to release.



### STEP 6

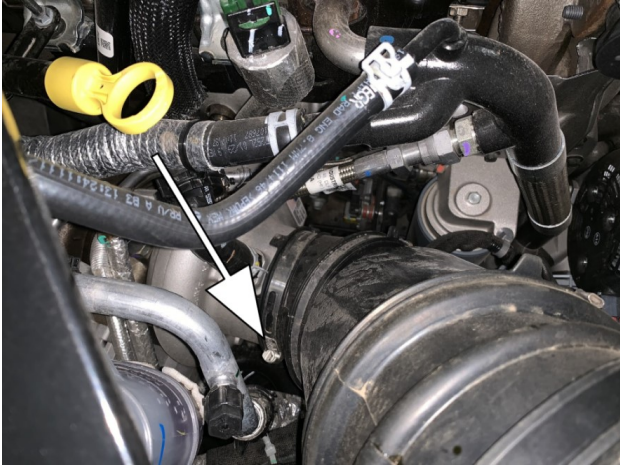
Using a panel popper remove the panel rivets securing the electrical harness connected to the factory air box and air scoop locations





## STEP 7

Using a 5/16" driver or socket, loosen the hose clamp on the factory tube connected at the turbo inlet. Access can be a challenge. If necessary use a socket extension to access the worm drive of the hose clamp



## STEP 8

Firmly Lift up and remove the entire factory intake assembly from the grommets of the vehicle. Set the assembly to the side



## STEP 9

Assemble onto the S&B Tube (K) the gaskets and sensor pads for the IAT and MAF (O, L, P & M). Secure the sensors with the #8-32 pan head screws provided (Q & R & N) using a Phillips screwdriver.

**Note:** See image and exploded view for the assembly of the hardware and orientation of the sensors



## STEP 10

Push the S&B Silicone Coupler (T) onto the S&B tube (K) and secure with #72 Hose Clamp (S) using a 5/16" driver or socket.





## STEP 11

Attach the mounting bracket (G) to S&B airbox (J) by securing the ¼"-20 screws (D) and ¼" washers (E) using an 11mm socket or driver.



## STEP 11 A

The screws and washers are mounted from the interior of the airbox through the holes to the bracket on the exterior of the airbox.



## STEP 12

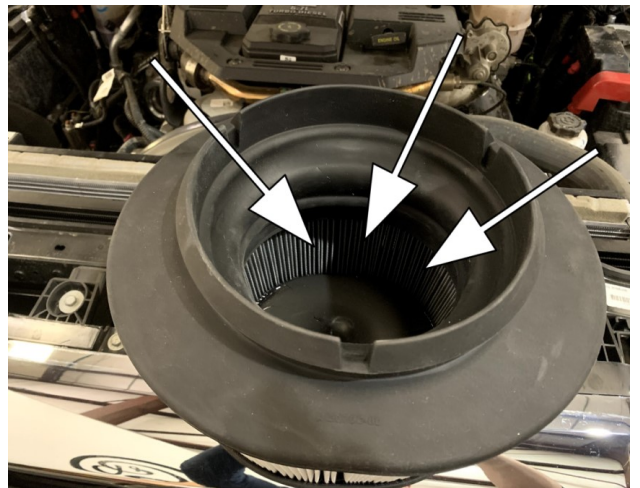
Install the Silicone S&B Snap-in Air Filter (C) onto the S&B Airbox (J)

<https://www.youtube.com/watch?v=KNXsRPU624c&feature=youtu.be>



## STEP 12A

For easier installation invert the tube flange of the S&B filter to drop into the S&B Airbox



## STEP 12B

Push the split snap-in flange of the S&B Filter through the circular opening of the airbox so that it secures onto the exterior of the airbox and then reach through the exterior circular opening of the airbox to pull out the tube flange so it is on the exterior of the airbox.



## STEP 13

Attach the tube (C) to the filter flange and slightly tighten the #104 hose clamp (I) using a 5/16" driver or socket. Allow the tube to be able to rotate for later in the installation



## STEP 14

Install the silicone scoop seal (V) onto the S&B airbox (J).



## STEP 15

Decide to install the optional S&B silicone plug (F) onto the S&B Airbox or leave out.





## STEP 16

Install the provided replacement S&B mounting grommets (H) onto the bottom of the S&B Airbox and mounting bracket



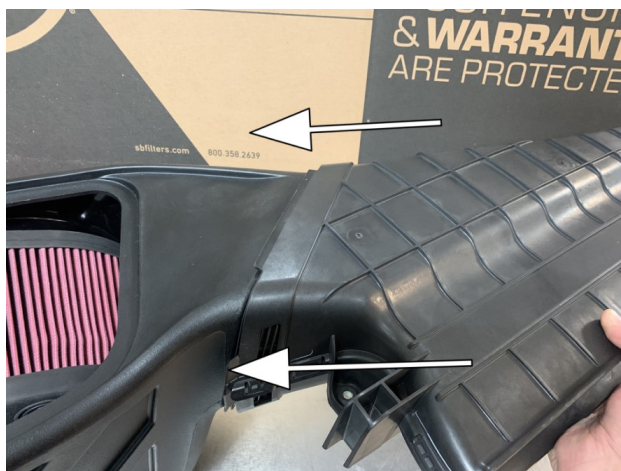
## STEP 17

Remove the top portion of the scoop by prying the tabs to the sides of the scoop from the factory intake assembly using a flathead screwdriver.



## STEP 18

Align the factory scoop with the S&B Airbox (J). Push the factory scoop over the S&B scoop seal (V).





## STEP 19

Drop the Complete S&B Cold Air Intake assembly and factory scoop into the vehicle. Lining up grommets, Push in firmly onto the vehicles factory mounting locations



## STEP 20

Line up the #64 hose clamp (U) over the turbo body and push on the coupler at the turbo. Tighten the hose clamp using a 5/16" driver or socket (possible socket extension).



## STEP 21

Lineup factory scoop into the factory position and tighten the bolts, removed in step 4, using a 10mm socket or driver.



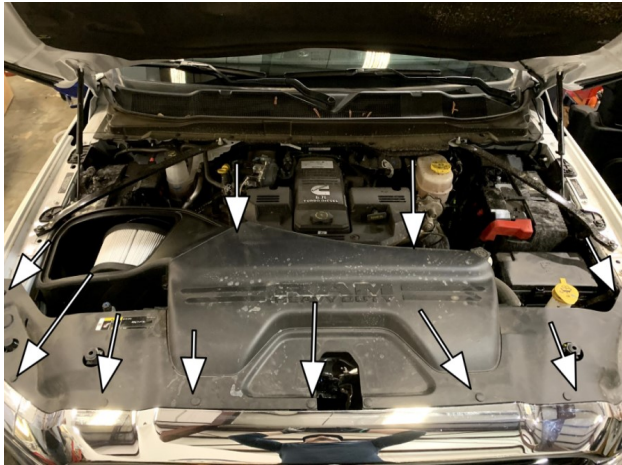
## STEP 22

Reconnect MAF and IAT sensor harnesses onto the S&B tube



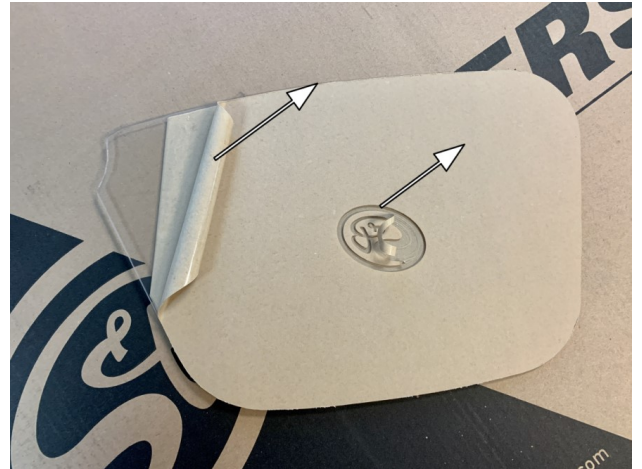
## STEP 23

Re-attach the scoop cover using the factory plastic rivets



## STEP 24

Remove the protective covering from S&B clear lid (A), be sure to remove the covering from inside the S&B logo!



## STEP 25

Install the Silicone Snap-in Lid seal (B) onto the S&B Clear Lid (A). Line up the lid notch feature on the lid into the silicone part underneath the pull tab so it is oriented in the seal properly. Continue to pull the seal over the edges of the lid until the lid is securely completely within the silicone snap-in seal. the mating feature on the silicone part is underneath the pull tab.



## STEP 26

Install the S&B Snap-in Clear Lid onto the S&B Air box by inserting one corner or edge of the seal fully first, then work around the lid by pressing on until each section has snapped in

<https://www.youtube.com/watch?v=r1XGy9l36Ys&feature=youtu.be>



## STEP 27

Inspect your installation, making sure the kit is properly positioned and all fasteners are secure. Keep all stock parts in case you would ever need to reinstall the stock intake assembly. The installation is now complete.

