



SHOP BY VEHICLE



CONTACT US

**S&B AI AGENT**

(Order Status, Knowledge Base, & more)

**TEXT****(909) 947-0015****EMAIL** customerservice@sbfilters.com**CALL****(909) 947-0015**

Est. Wait: < 1 min

BEFORE YOU START

Kit may not fit with the following Aftermarket Parts installed:

Body Lift or Lowering Kit**Custom Hood****Aftermarket Turbocharger and/or Throttle Body Spacer****Non-S&B Cold Air Intake**

- 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.

REQUIRED TOOLS

- 5/16th Socket
- 10mm Deep Socket & Ratchet Wrench
- 11mm Deep Socket
- 13mm Deep Socket
- 16mm Deep Socket & Ratchet Wrench
- 22mm Deep Socket
- T15 Torx Bit
- Flathead Screwdriver
- Body Panel Pin Removal Tool
- Flex Socket Adapter
- Various Extensions
- Pick Tool
- Torque Wrench (Inch Lbs. & Ft. Lbs.)

STEP 1

Start by placing the front end of the truck on jack stands or the entire vehicle on a lift.

****This will make the install significantly easier.***



STEP 2

Remove the driver front wheel/tire off of the truck using a **22mm** deep socket.



STEP 3

Once the driver side tire is removed, go ahead and take a **T15** Torx Bit and remove the screws holding the wheel well the body.

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Then once all screws are removed, go ahead and remove the liner from the vehicle.

STEP 4

Next, go over to the passenger side and remove the wheel using a **22mm** deep socket.

STEP 5

Then repeat the same process of removing the passenger wheel well liner. The only

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difference on this side is that there will be (1) push pin at the top that will need to be removed. For this we recommend either a **flathead screwdriver** or a **body panel removal tool**.

STEP 6A DO NOT SKIP

Disconnect the (2) Negative cable off of both batteries using a **10mm** socket and/or ratchet wrench.

Important: On the passenger side, you'll need to unbolt the support brace using a **13mm** 45-degree pivot socket.

STEP 6B

STEP 7

Then remove the bolt located behind the intake tube muffler/baffle.

STEP 8

Next, remove the nut located on the passenger side fender side of the air box

Important: This is only applicable if you are running the stock intake.

STEP 9

Then disconnect the MAF Sensor from the Intake Tube.

STEP 10

Using a **5/16th** socket, loosen the hose clamp and remove the intake tube from the throttle body.

STEP 10A

Next, head over to the driver side wheel well. Disconnect the (3) clips connected to the ECM.

STEP 10B

Then unbolt the (4) **10mm** nuts on the ECM, then remove the ECM from the engine bay.

STEP 11A

Now, take a **11mm** deep socket to remove the lower clamp from the cold side intercooler pipe.

With the clamp removed, go ahead and remove the lower end of the OEM intercooler pipe.

STEP 11B

Then loosen the clamp on the top end using an **11mm** deep socket.

Then remove the entire OEM cold side intercooler pipe.

STEP 12

Next, go ahead and go over to the passenger side (hot side) and disconnect the temperature sensor from the OEM hot side pipe.

Tip: We recommend using a pick tool to disconnect the white tab on the connector, then you can fully remove the connector from the sensor.

STEP 13A

Using a pick tool, go ahead and undo the retention clip on the factory Hot Side Collar.

STEP 13B

Now on the lower end of the factory Hot Side Pipe, go ahead and undo the retention clip as done in the step above.

Once the lower retention clip is undone, go ahead and pull the lower intercooler pipe off the intercooler inlet.

STEP 14

Using a **16mm** wrench or deep socket, go ahead and

uninstall the factory temperature sensor from the OEM hot side intercooler pipe.

This will be transferred to the S&B hot side pipe in a future step.

STEP 15A

Take the larger of the two provided O-Rings and install it into the groove in the hot side collar, where the temp sensor is located.

Tip: We recommend placing some oil on the O-Rings to make the install easier.

STEP 15B

Then install the larger of the two provided retention clips onto the larger of the two collars.

STEP 16A

Take the smaller of the two provided O-Rings and install it into the smaller collar for the hot side.

Tip: We recommend placing some oil on the O-Rings to make the install easier.

STEP 16B

Then install the smallest of the two provided retention clips onto the smaller of the two collars.

STEP 17

Now, go ahead and install the S&B lower hot side collar onto the intercooler inlet.

STEP 18

Now it's time to install the S&B hot side pipe onto the lower S&B collar.

STEP 19

Install the Upper Hot Side S&B Collar onto the rest of the S&B Hot Side Intercooler Pipe assembly.

Then orientate the collar to index with the intake, and once the retention clip audibly clips into position, you're now ready to install the (2) provided T-bolt clamps.

STEP 20

We recommend breaking down the (2) T-Bolt Clamps to make the install process that much easier.

STEP 21A

Now, using an **11mm** deep socket, tighten down the two T-bolt clamps.

Once done, the Hot Side is now complete.

STEP 21B

STEP 22

Now, go ahead and take the S&B Cold Side Intercooler Pipe and fish it up and through the driver side wheel-well.

STEP 23

Next, take the provided step-down coupler and assemble it to T-bolt clamps.

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Then mount this on the Intercooler outlet and lower end of the S&B Cold Side Intercooler Pipe.

STEP 24

Next, take the 90 degree S&B hose and loosely install the remaining (2) T-bolt clamps onto the bend.

Then, go ahead and mount onto the aluminum S&B Cold Side Pipe onto the turbo inlet.

STEP 28

Tighten down all T-bolt
Clamps on both the Hot &
Cold Side Intercooler Pipes.

STEP 29: DO NOT SKIP

Torque down all T-Bolt
Clamps to **75 Inch Lbs.**

STEP 30

Plug the Temperature Sensor
back into the Hot Side
Intercooler Pipe.

STEP 31A

Re-install the Air intake. Start
by tightening down the hose
clamp on the throttle body.

STEP 31B

Line up the air scoop onto
the air box.

Tip: you can access this part by going through the passenger side front wheel-well.

STEP 32

Re-install the factory bolt next to the factory air box (next to the fender).

Note: If you have an S&B Air Box, this step does not apply.

STEP 33

Re-install the MAF Sensor.

STEP 34A

Now, it's time to re-install the ECM.

Once its back in position, thread the (4) nuts on by hand then tighten them down.

STEP 34B

Reconnect the three connectors back into place.

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Each connector is color coded. Connect **Black** to **Black**, **Blue** to **Blue**, & **Grey** to **Grey**.

STEP 34C

Push each connector into place. Once the connector handle begins to move downward, go ahead push the handle down until you hear a click.

Then push the red pin down to fully lock the connector into place.

*Proceed to do this for all (3) Connectors.

STEP 35

Check to make sure you have a good amount of clearance around each intercooler pipe.

STEP 36

Install the driver's side wheel-well liner screws using a **T15** Torx bit.

STEP 37

Install the passenger side wheel-well liner screws using a **T15** Torx bit.

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Then re-install the single push-pin located at the top of the wheel-well.

STEP 38

Mount and torque down your wheels to factory torque specs.

Important: After 500 miles, it is recommended to re-torque all the lug nuts to factory torque specifications.

STEP 39A

Now it's time to reconnect the batteries.

First, start on the passenger side by reconnecting the negative cable to the negative terminal using a **10mm** wrench or socket.

STEP 39B

Now, go ahead and re-install the cross-brace.

Then tighten down the (2) **13mm** bolts.

STEP 39C

Next, go on over to the driver's side and reconnect

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the negative cable using a
10mm socket.

STEP 40

Verify that all connection points are tight, secure, and torqued to specification.

Your install is now complete.

