

Cookie Preferences

JVER \$98 (EXCLUSIONS APPLY)



SHOP CATEGORIES

WHY S&B

SHOP BY VEHICLE



0

INSTALL INSTRUCTIONS FOR CAI-75-5147

PRINT

BEFORE YOU START

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

- Body Lift or Lowering Kit
- Custom Hood
- Throttle Body Spacer / Upgrade

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

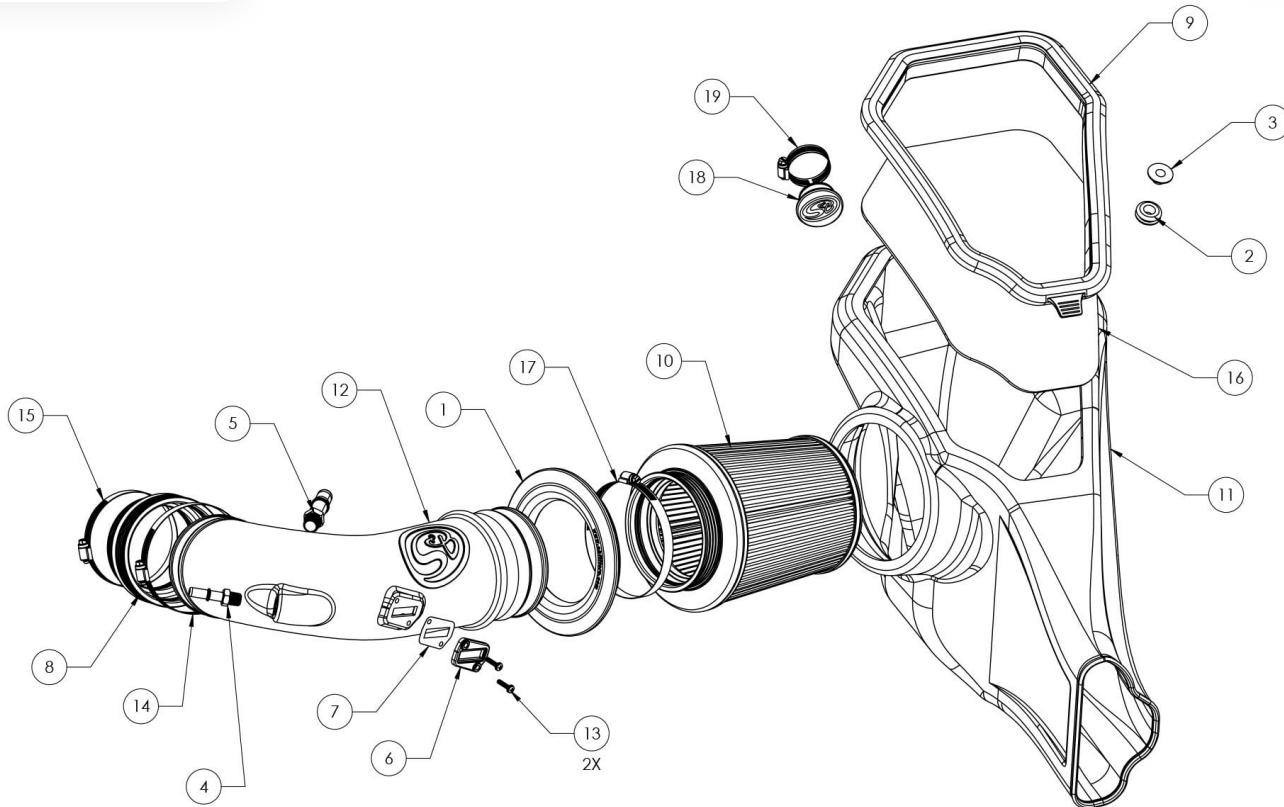
- Socket Wrench
- 7mm, 10mm, 15mm Socket
- Adjustable Wrench
- Socket Extension
- Pliers
- Bolt Cutters
- 5/16" Socket / Nut Driver
- T20 Torx
- Phillips Head Screwdriver
- Panel Popper / Flat Blade Screwdriver



Hi. Need any help?



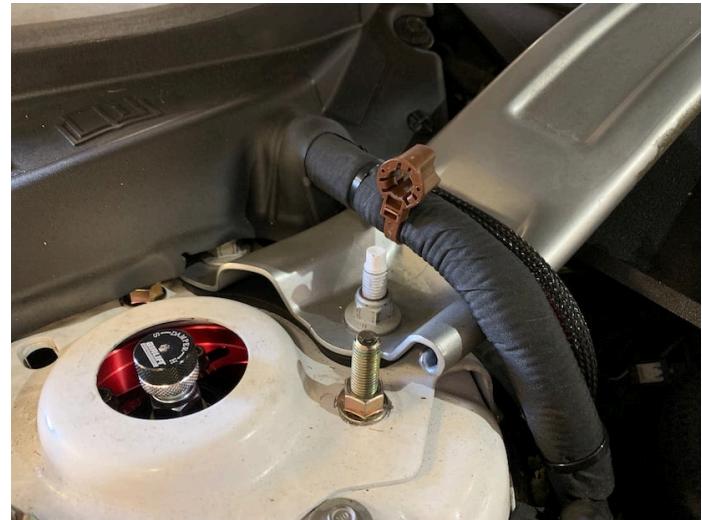
Cookie Preferences



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AI1650C-00	SILICONE TUBE SEAL	1	11	AL1378B-00	AIR BOX	1
2	AI1563-00	AIR BOX GROMMET	1	12	AL1377-00	INTAKE TUBE	1
3	AI2296-00	MACHINED SHOULDER WASHER	1	13	AI1837-00	8-32 THREAD SIZE, 3/4" LONG SCREW	2
4	AI1776-00	FITTING, QUICK CONNECT TO 1/4 NPT	1	14	AG1018-00	HOSE CLAMP, #64	1
5	AI1701-00	FITTING, QUICK CONNECT TO 3/8 NPT	1	15	AG1008-00	HOSE CLAMP, #60	1
6	AI1822-00	MAF ADAPTER PAD	1	16	AI2553-00	AIR BOX LID	1
7	AI1823-00	MAF PAD GASKET	1	17	AG1010-00	HOSE CLAMP, #80	1
8	AI1665C-00	SILICONE COUPLER	1	18	AI2554-00	SOUND TUBE DELETE PLUG	1
9	AI2552C-00	SILICONE LID SEAL	1	19	AG1016-00	Hose Clamp, #24	1
10	KF-1057	AIR FILTER	1				

STEP 1

Cookie Preferences Set the positive battery cable from the threaded stud by popping up the brown zip tie connector.



STEP 2

Remove the battery cover from the vehicle by removing the twist on panel screws in the 3 locations shown. To remove each screw, rotate the heads counter clockwise for a few rotations and then lift up.



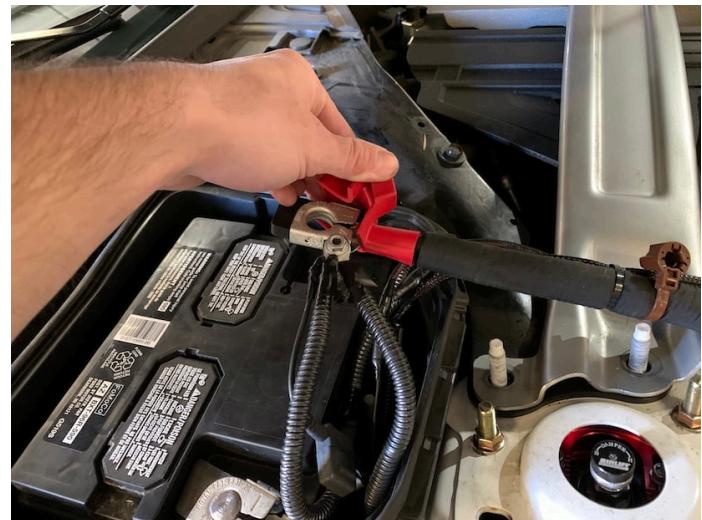
STEP 3

With the ignition switched off and the parking brake set, disconnect the Positive battery harness on the battery. The battery must be

Cookie Preferences I have read for at least 2 hours to ensure proper functionality of the kit during use. Be sure to cover the end of the harness for the rest of the installation process so that it does not touch any part of the vehicle that acts as a ground point.

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!



STEP 4

Remove the 4 nuts securing the strut tower brace to the engine bay. Then remove the strut tower brace by lifting up, avoiding the positive battery harness.

STEP 5

Cookie Preferences

shown and unscrew the nuts found below them to prepare for the removal of the engine cover. Lift up on the engine cover, popping it off of the top of the engine to gain access to the entire intake system.

STEP 5 (IMAGE 2)

STEP 6

Pull out and push down on the red locking tab to disconnect the MAF sensor harness from the MAF sensor.

[Cookie Preferences](#)

STEP 7

Disconnect the vacuum hose from the stock intake tube by pushing the indicated tab in and pulling out.

STEP 8

Disconnect the cabin sound tube from the stock intake tube by squeezing the clamp with pliers and pulling out.

STEP 9

Cookie Preferences

Remove the PCV hose from the stock intake tube by pressing in the indicated tab and pulling out.

STEP 10

Loosen the hose clamps found on both ends of the stock intake tube. Remove the tube from the vehicle.

STEP 11

Pop off the MAF harness from its mounting points on the stock intake box and vehicle frame.

[Cookie Preferences](#)

STEP 11 (IMAGE 2)

STEP 12

Remove the screw securing the stock intake box to the vehicle.

[Cookie Preferences](#)

STEP 13

Remove the stock intake box from the vehicle by lifting it up and out.

STEP 14

Verify that the grommet pictured did not come out of its hole on the vehicle with the stock intake box. If it did, remove it from the intake box and return it to its hole on the vehicle.

STEP 15

Cut off the crimp-on clamp shown on the cabin sound

Cookie Preferences

After it has been cut off, remove from the vehicle, the section of the tube which used to connect the stock intake tube to the area where the clamp was found.

STEP 15 (IMAGE 2)

STEP 16

Install the S&B block off plug (18) into the rubber cup that makes up the end of the remaining cabin sound tube. Use the #24 hose clamp (19) to secure the plug within the rubber cup. The function of these last steps was to delete the cabin sound tube from the vehicle in the easiest way possible. Doing this provides

Cookie Preferences → genuine intake

sound that is not artificially boosted or pumped into the cabin. The removal of the cabin sound tube may not be skipped and is necessary in the installation of the S&B intake kit.

STEP 17

Install the rubber grommet (2) and shoulder washer (3) into the hole found on the JLT intake box (11).

STEP 18

Place the JLT intake box into the vehicle, ensuring that the front inlet completely encompasses the front grill air connection and that the prong found on the box seats

Cookie Preferences  the grommet shown in step 14.

STEP 19

Secure the JLT intake box to the vehicle by reinstalling the screw removed in step 12.

[Cookie Preferences](#)

STEP 20

Install the tube seal (1) on the JLT intake box.

STEP 21

Remove the MAF sensor from the stock intake box.

STEP 22 PART A

Prepare the JLT intake tube for installation by connecting all of the components shown in the picture to the intake tube. These components include the $\frac{1}{4}$ NPT quick connect (4), $\frac{3}{8}$ NPT quick connect (5), silicone coupler

Cookie Preferences Sensor, MAF sensor
pad (6) and MAF sensor
gasket (7). Hand tighten
quick connect fittings and
then use a crescent wrench
and tighten it another one to
two complete turns. Secure
the silicone coupler to the
tube using the #64 hose
clamp (14) and tighten the
#60 hose clamp (15) around
the other end of the coupler
so that the hose clamp
remains somewhat loose but
doesn't fall off.

**IMPORTANT: Do not over
tighten the Quick Connect
Fittings as they can break or
the threaded inserts may
strip!**

STEP 22 PART B

Attach the MAF sensor to the
JLT intake tube using the
provided MAF gasket, MAF
adapter pad and philips head
screws (13). The MAF gasket
should be contacting the
tube with the adapter, pad
followed by the MAF sensor,
sitting on top of it.

[Cookie Preferences](#)

STEP 23

Install the JLT intake tube into the vehicle in the position shown. Tighten the #60 hose clamp, securing the JLT intake tube to the engine throttle body.

STEP 24

Connect the vacuum hose to the JLT intake tube, pressing it onto the $\frac{1}{4}$ NPT quick connect.

[Cookie Preferences](#)

STEP 25

Connect the PCV hose to the JLT intake tube, pressing it onto the $\frac{3}{8}$ NPT quick connect.

STEP 26

Reconnect the MAF sensor harness to the MAF sensor by pressing forward on the red locking tab.

STEP 27

Connect the filter (10) to the JLT intake tube by placing it inside of the airbox and sliding the flange over the

Cookie Preferences tube. Secure the filter to the tube by tightening the #80 hose clamp (17).

STEP 28

Install the lid seal (9) onto the lid (16) by stretching it around the perimeter of the lid. Snap the lid onto the top of the airbox by pressing down on all of the edges, ensuring that all edges of the lid are securely and completely snapped into place.

STEP 29

Reinstall the engine cover by pressing it down into the

Cookie Preferences Position on top of the engine and reinstalling the nuts removed in step 5. Replace the circular covers, concealing the installed nuts.

STEP 30

Reinstall the strut tower brace and the four screws removed in step 4.

[Cookie Preferences](#)

STEP 31

Reconnect the positive terminal on the battery.

STEP 32

Replace the battery cover by reinstalling the twisting panel screws.

STEP 33

Reconnect the positive battery harness to the threaded stud by pressing down on top of the brown zip tie connector.

[Cookie Preferences](#)

STEP 34

Inspect your installation, make sure the kit is properly positioned and all fasteners are secured. JLT recommends keeping all stock parts in case you would ever need to reinstall the stock intake. Affix the ID label near the intake kit. **The installation is now complete.**

Cookie Preferences