

INSTALL INSTRUCTIONS FOR CAI-75-5148

PART#: CAI-75-5148



PRINT

Vehicle Application

Year: 2015-2021

Make: Ford

Model: Mustang GT350

Engine: 5.2L V8

Tools Required

Socket Wrench

7mm, 10mm Socket

10mm Deep Socket

Adjustable Wrench

5/16" Socket/Nut Driver

T20 Torx

Phillips Head Screwdriver

Panel Popper/Flat Blade Screwdriver

Note: Approximate Install Time: 30 Mins.

 **Support**

S&B Filter Maintenance

Oiled Cleanable (

KF-1057) (https://www.sbfilters.com/replacement-filters/filters-sb-intakes/kf-1057?variant_id=223)

Dry Extendable (

KF-1057D) (https://www.sbfilters.com/replacement-filters/filters-sb-intakes/kf-1057?variant_id=223)

CARB Status - Pending

Product will be submitted to Air Resources Board for approval shortly.

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

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-1057**) (https://www.sbfilters.com/replacement-filters/filters-sb-intakes/kf-1057?variant_id=223)
- Dry Extendable Filter (**KF-1057D**) (https://www.sbfilters.com/replacement-filters/filters-sb-intakes/kf-1057?variant_id=224)

Performance Testing

- After your installation is complete 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!

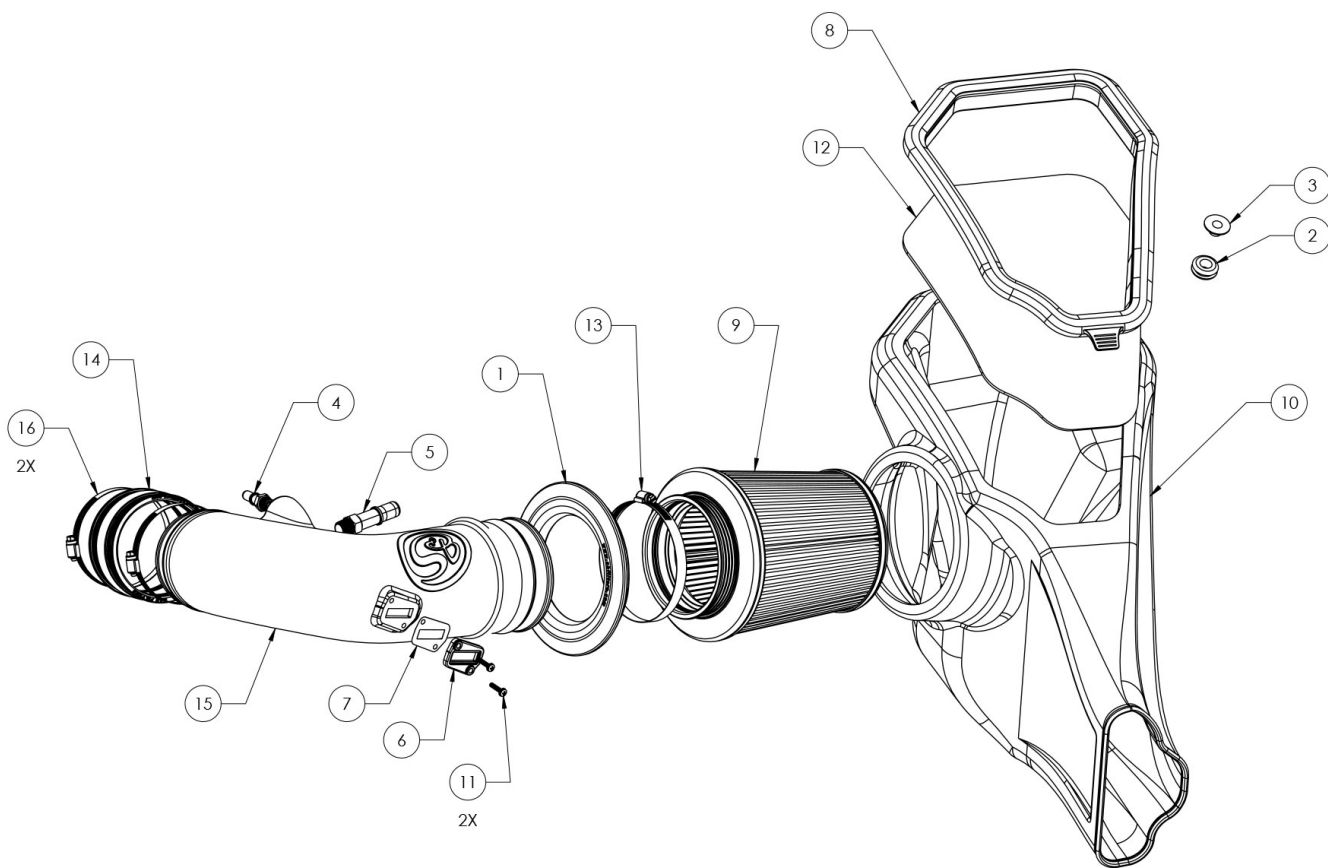
If your vehicle has a Vehicle Emission Control Information decal affixed to the factory airbox, a new replacement label must be obtained and installed in a readily visible position in the engine compartment in order to remain CARB compliant. Failure to do so will prevent the vehicle from passing a smog 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.

Emission 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. Check the status of the exemption process by looking up a specific part number at 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

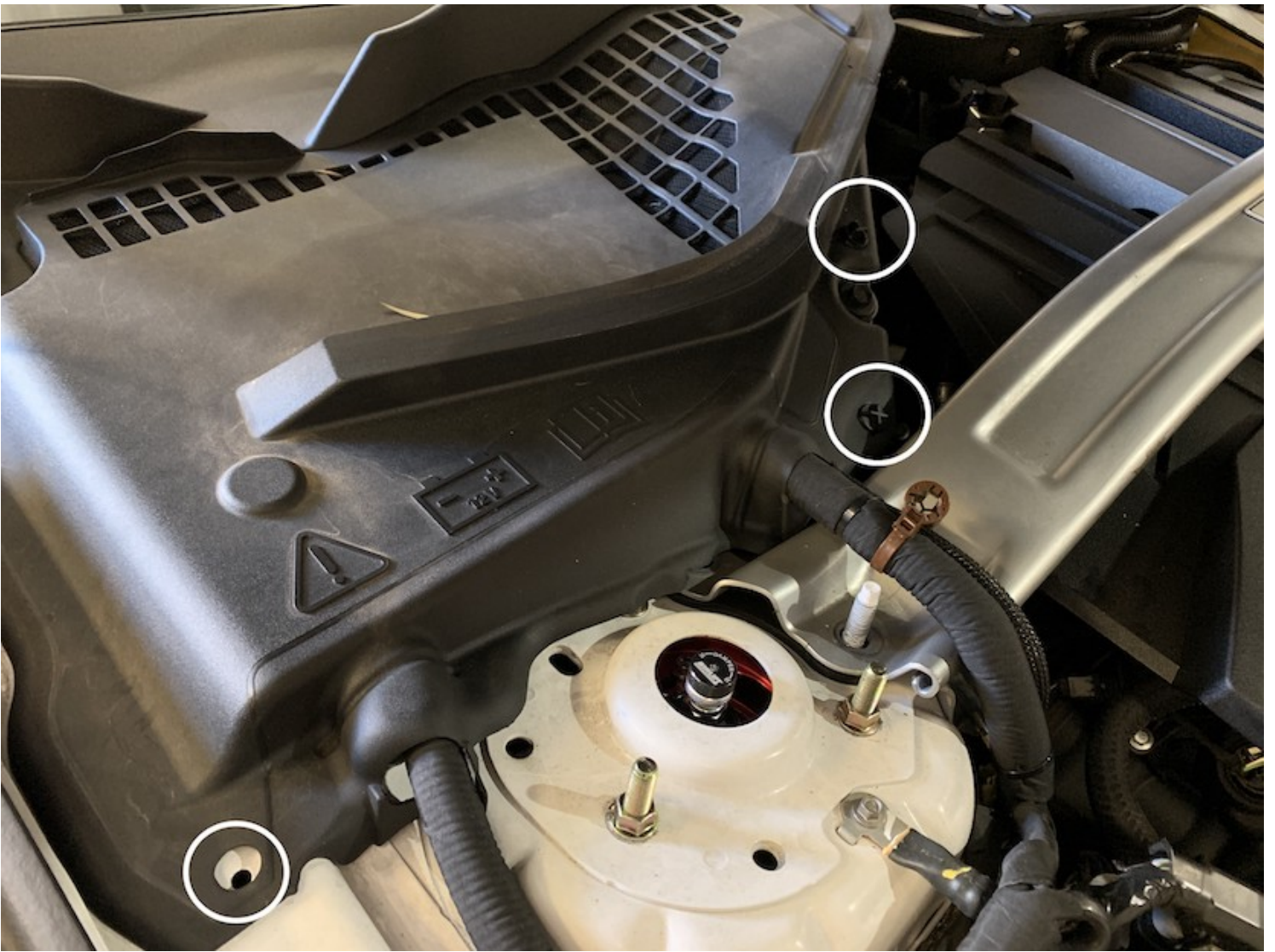
directly, we will automatically mail you your Exemption Sticker when it is issued to us. If you purchased your kit from an authorized S&B Filters Dealer, log onto our web site and register to receive your Exemption Sticker.

EXPLODED VIEW



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AI1650C-00	SILICONE TUBE SEAL	1	9	KF-1057	AIR FILTER	1
2	AI1563-00	AIR BOX GROMMET	1	10	AL1378B-00	AIR BOX	1
3	AI2296-00	MACHINED SHOULDER WASHER	1	11	AI1837-00	8-32 THREAD SIZE, 3/4" LONG SCREW	2
4	AI1776-00	FITTING, QUICK CONNECT TO 1/4 NPT	1	12	AI2552C-00 Curved	AIR BOX LID	1
5	AI1701-00	FITTING, QUICK CONNECT TO 3/8 NPT	1	13	AG1010-00	HOSE CLAMP, #80	1
6	AI1822-00	MAF ADAPTER PAD	1	14	AI1714C-00	SILICONE COUPLER	1
7	AI1823-00	MAF GASKET	1	15	AL1382-00	INTAKE TUBE	1
8	AI2552C-00	AIR BOX LID	1	16	AG1018-00	HOSE CLAMP, #64	2

INSTALLATION STEPS



STEP 1

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.

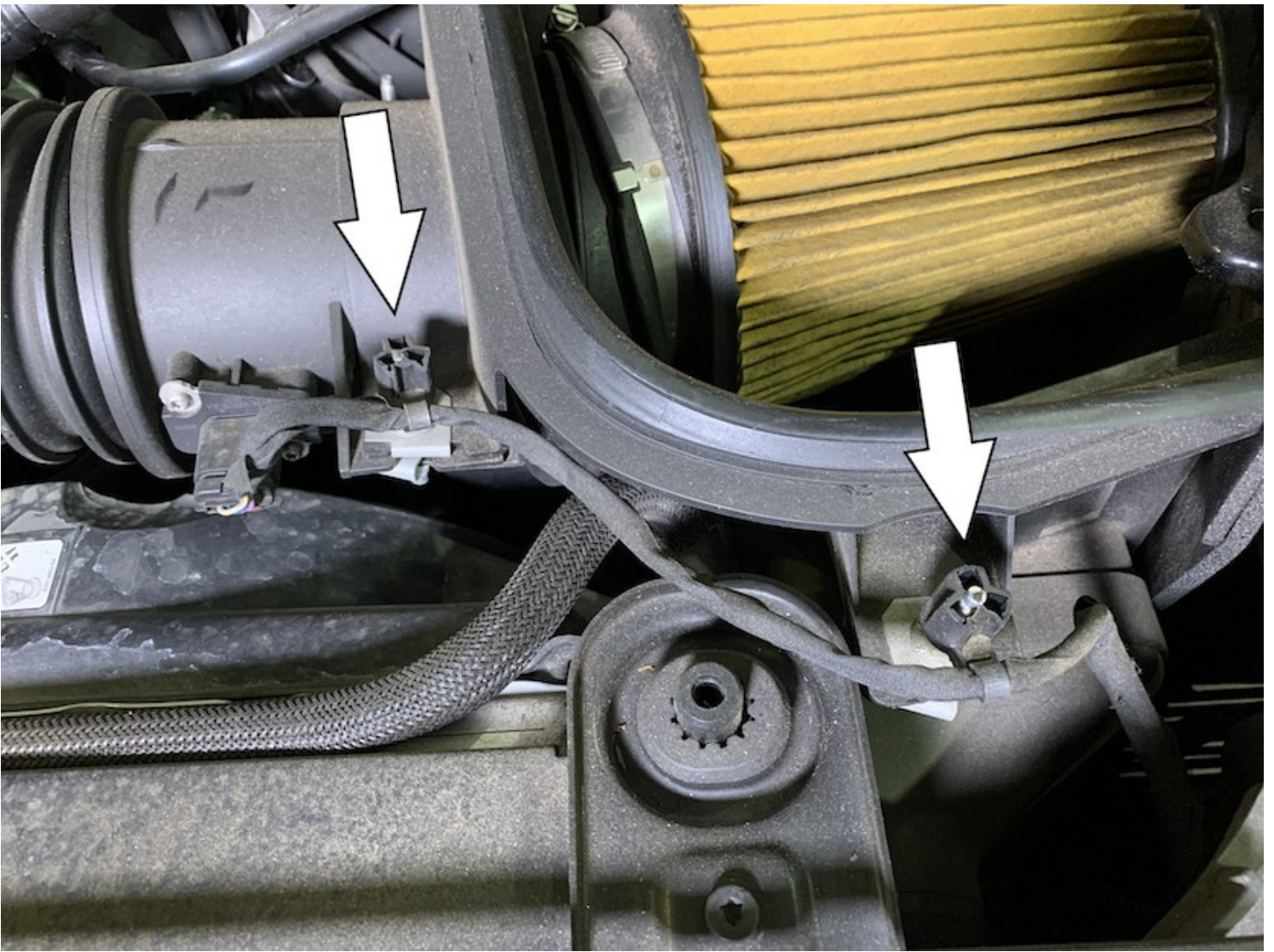


STEP 2

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

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!

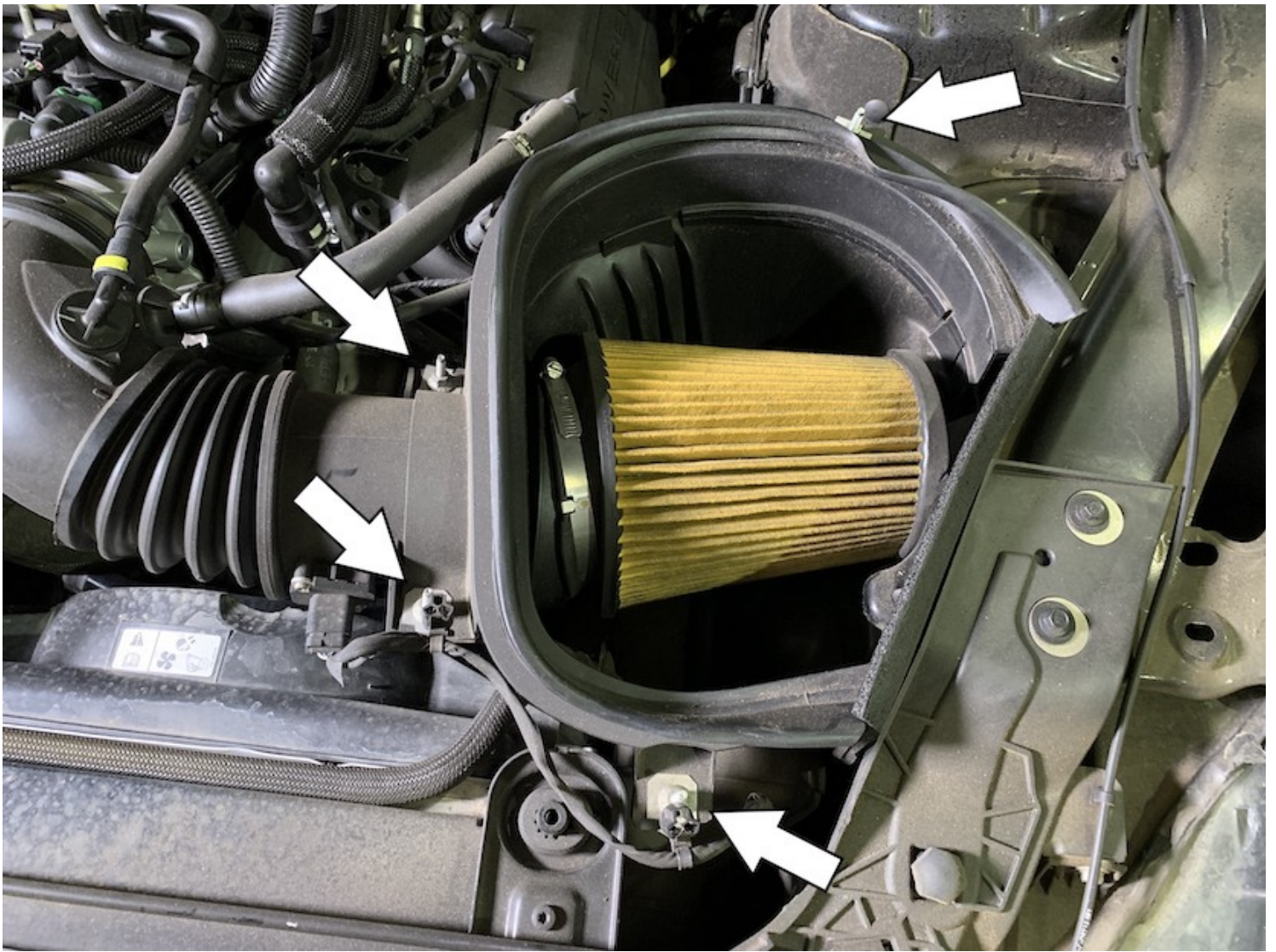
Tools Required: Socket wrench, 10mm Socket



STEP 3

Pop off the MAF harness from it's mounting points on the threaded studs connected to the stock intake box

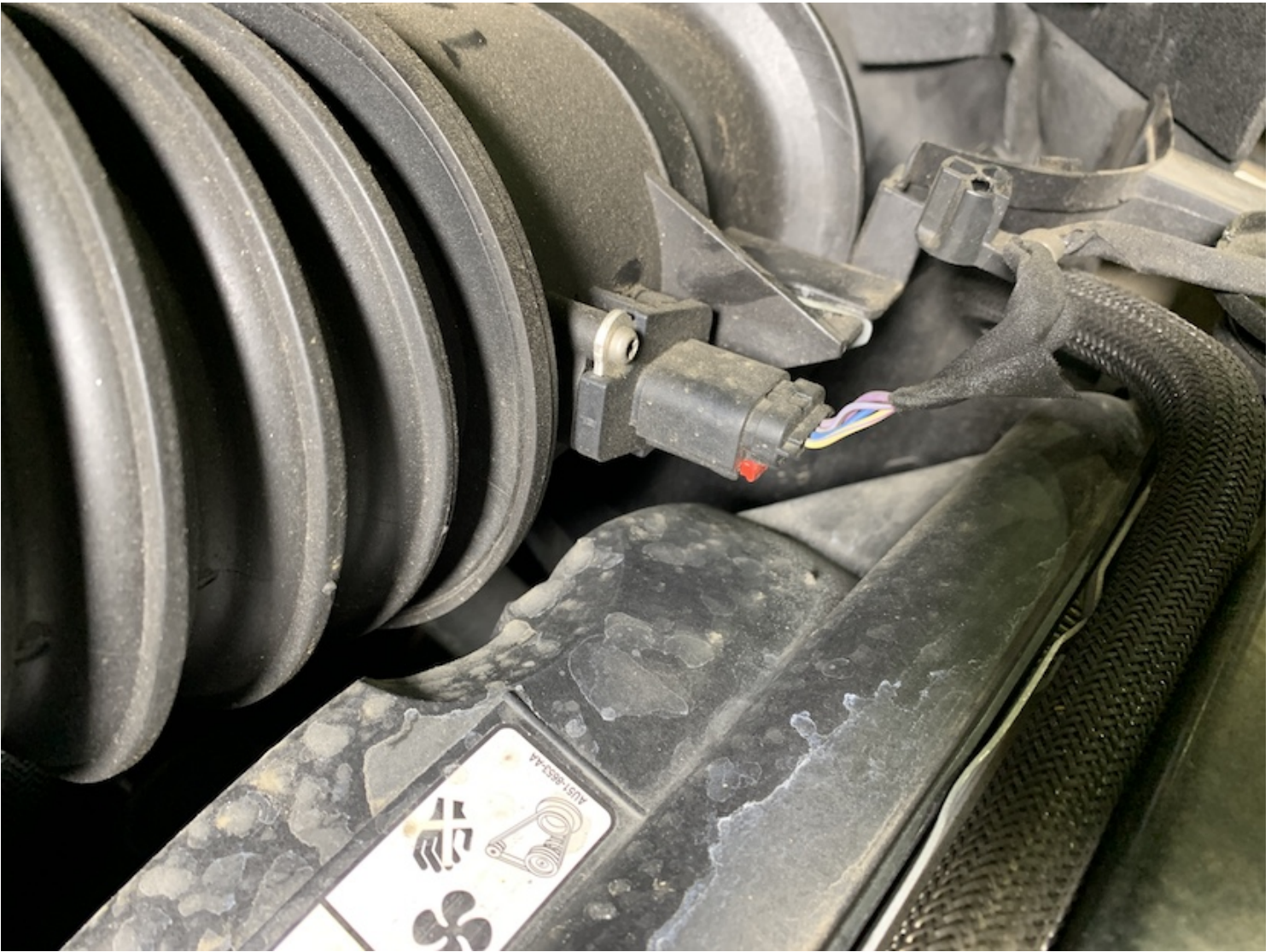
Tools Required: Panel popper or flat blade screwdriver



STEP 4

Remove the 4 threaded stud bolts from the stock intake box. Then remove the top half of the intake box from the vehicle.

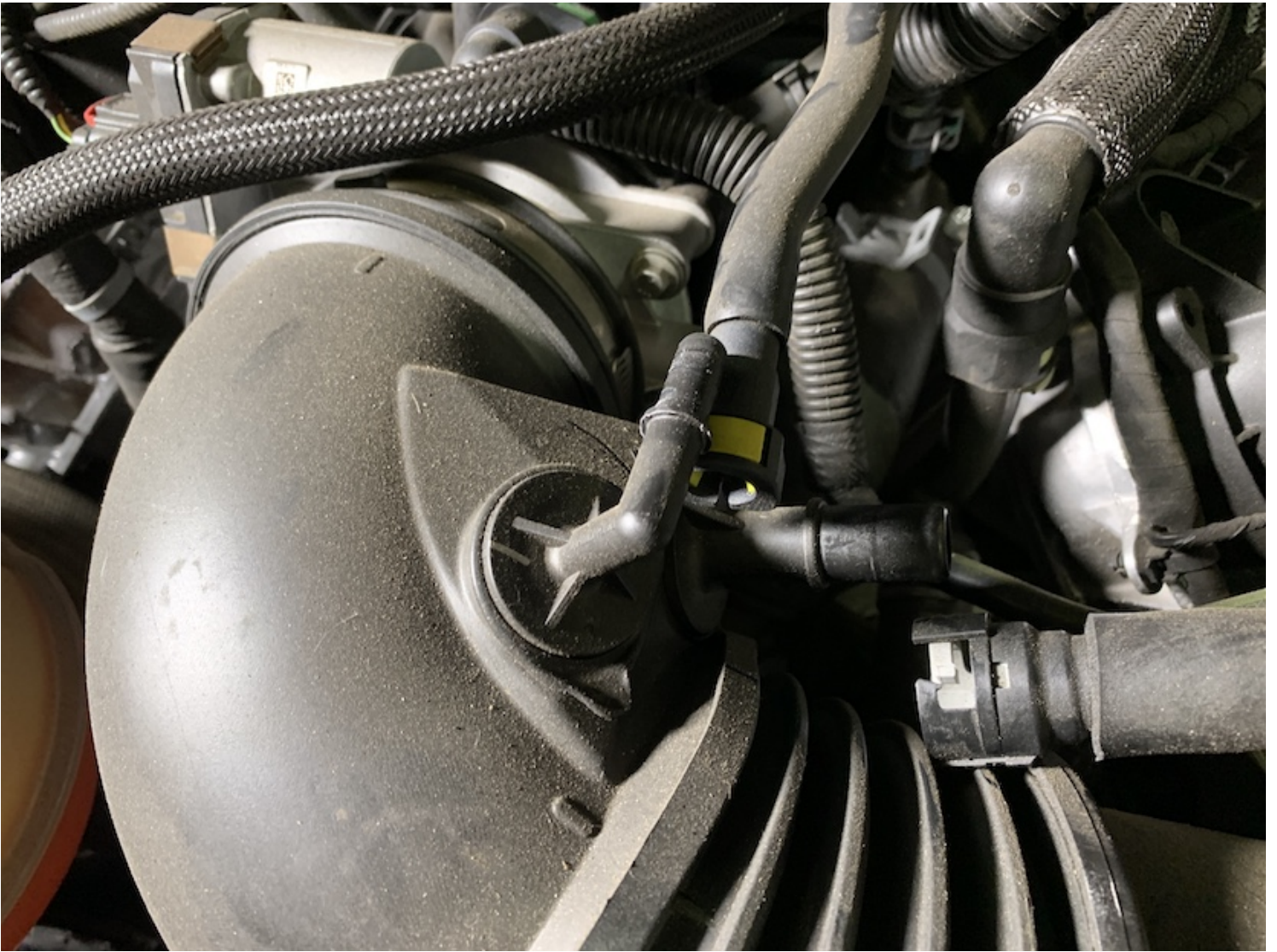
Tools Required: Socket wrench, 10mm Deep Socket



STEP 5

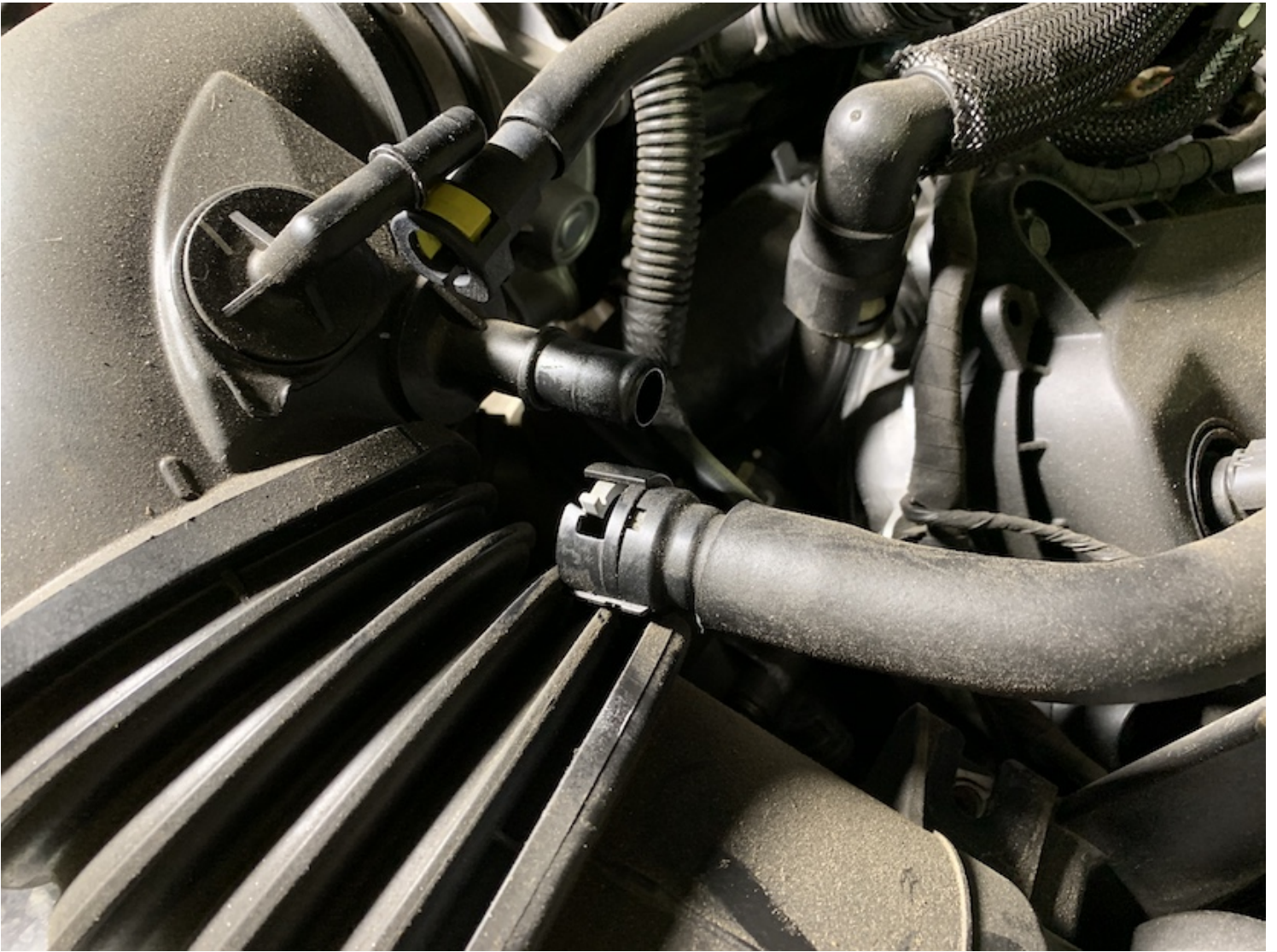
Pull out and push down on the red locking tab to disconnect the MAF sensor harness from the MAF sensor.

Tools Required: Socket wrench, 10mm Socket, Socket extension



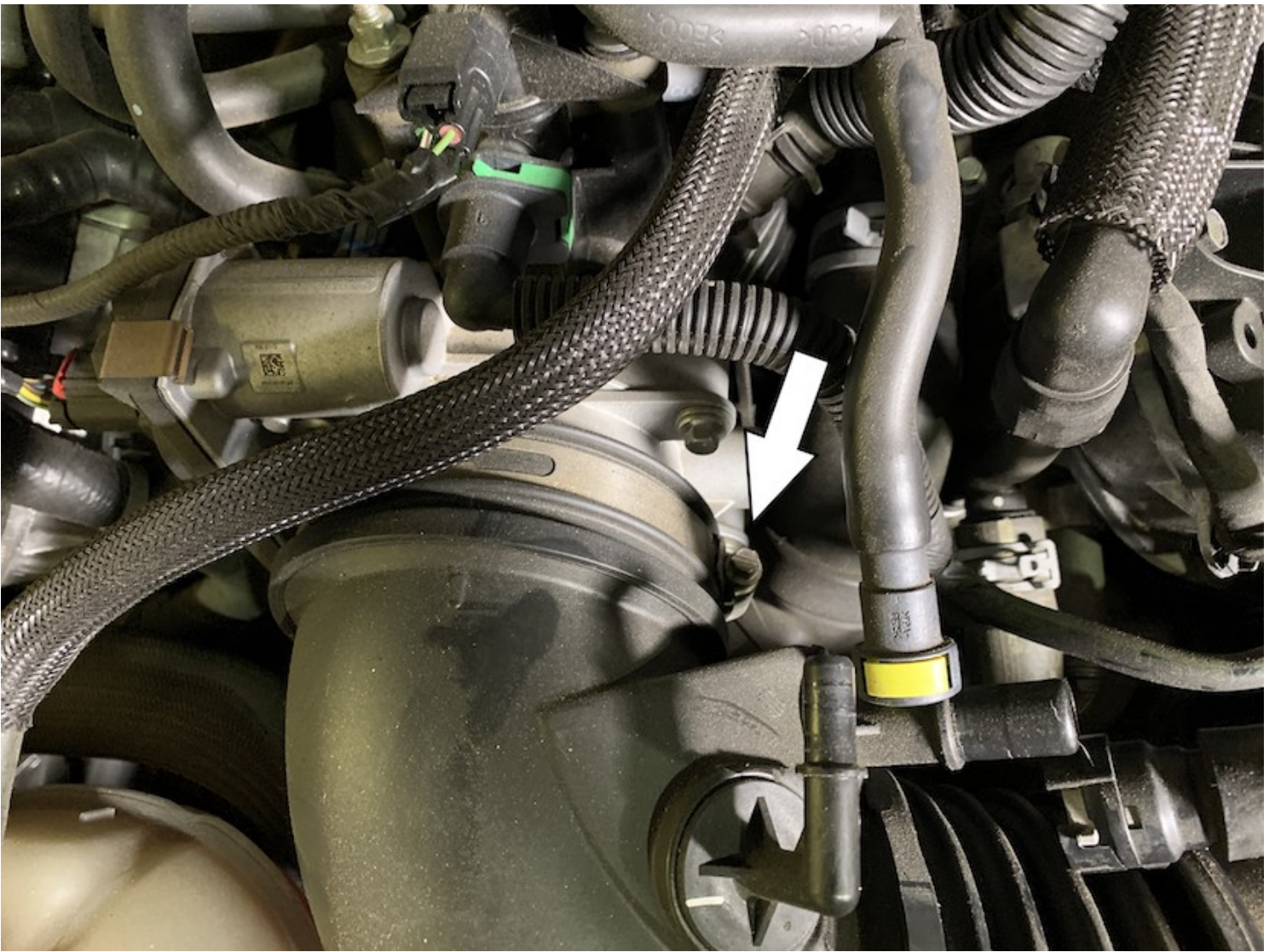
STEP 6

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



STEP 7

Disconnect the PCV hose from the stock intake tube by pushing the grey tab clockwise and pulling out.



STEP 8

Loosen the hose clamp connecting the stock intake tube to the throttle body. Remove the stock tube and filter from the vehicle.

Tools Required: Socket wrench, 7mm Socket



STEP 9

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

Tools Required: Socket wrench, 10mm Socket.



STEP 10

Remove the bottom half of the stock intake box and foam trim from the vehicle by lifting the intake box up and out. Be careful to not force the foam trim past the frame tab or it will rip.



STEP 10
IMAGE 2



STEP 11

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 12

Install the rubber grommet (2) and shoulder washer (3) into the hole found on the S&B intake box.



STEP 13

Install the tube seal (1) onto the S&B intake box.



STEP 14

Place the S&B intake box (11) into the vehicle, ensuring that the front inlet completely encompasses the front grill air connection and that the prong found on the box seats snugly into the grommet shown in step 12.



STEP 15

Secure the S&B intake box to the vehicle by reinstalling the screw removed in step 10.

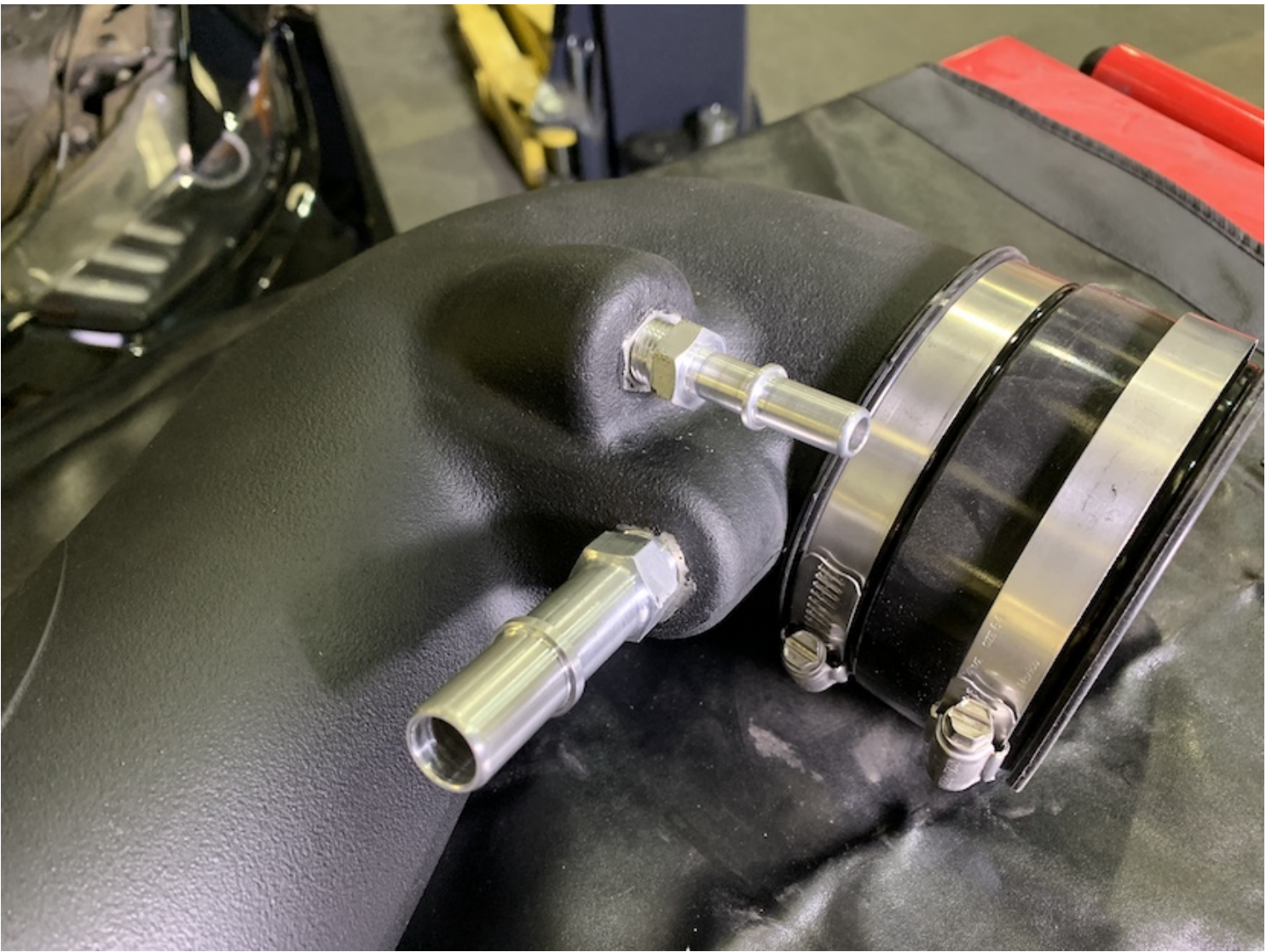
Tools Required: Socket wrench, 10mm Socket



STEP 16

Remove the MAF sensor from the stock intake box.

Tools Required: T20 Torx



STEP 17 (IMAGE A)

Part A

Prepare the S&B 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 (5), $\frac{3}{8}$ NPT quick connect (4), silicone coupler, MAF sensor, MAF sensor pad (6) and MAF sensor gasket (7). Secure the silicone coupler (8) to the tube using a #64 hose clamp (14) and tighten the other #64 hose clamp around the other end of the coupler so that the hose clamp remains somewhat loose but doesn't fall off.

Tools Required: Socket wrench, 5/16" Socket, Adjustable wrench

Part B

Attach the MAF sensor to the S&B intake tube using the provided MAF gasket, MAF adapter pad and phillips 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.

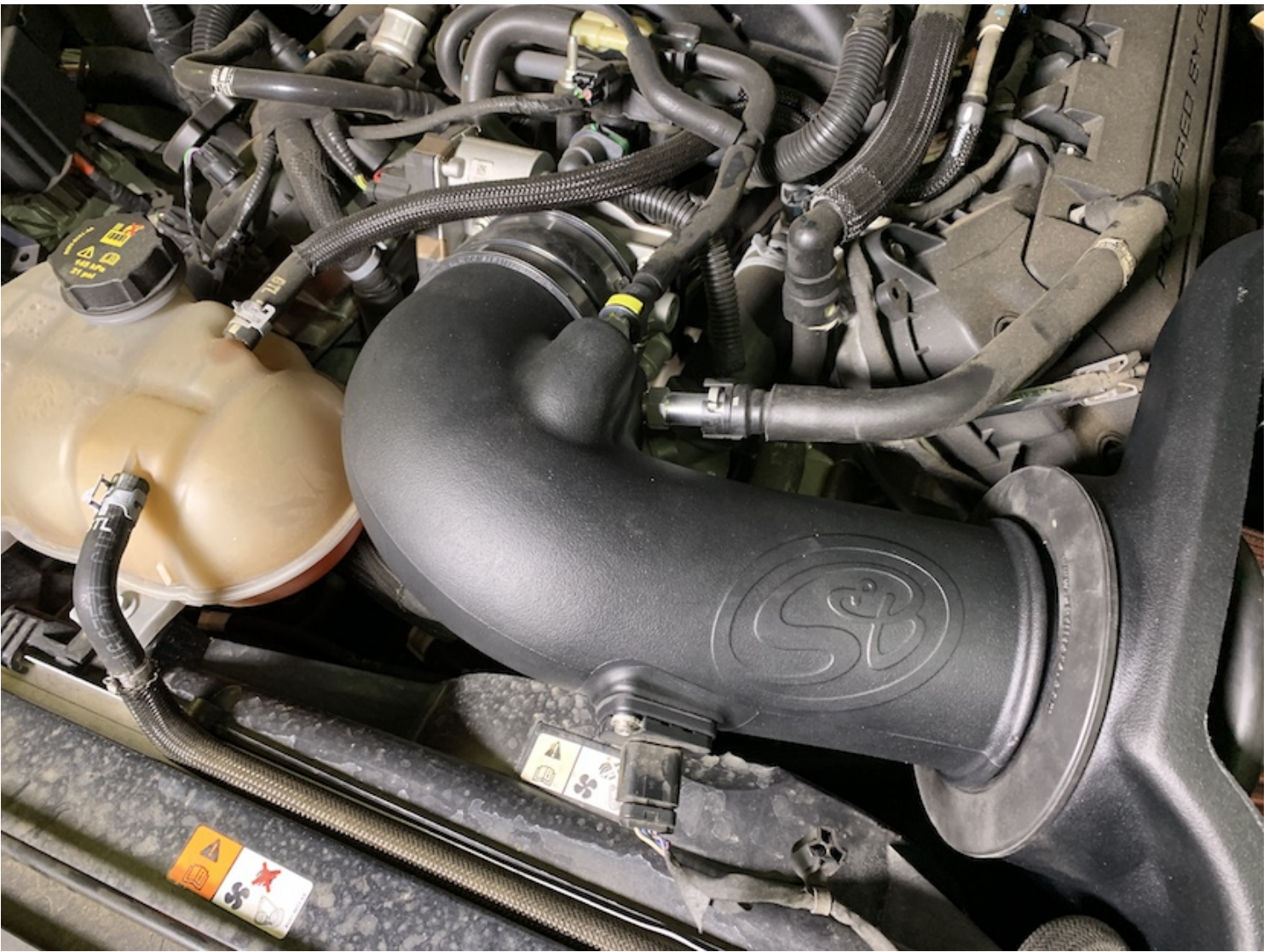
Tools Required: Phillip's Head Screwdriver



STEP 17 IMAGE B



STEP 17 IMAGE C



STEP 18

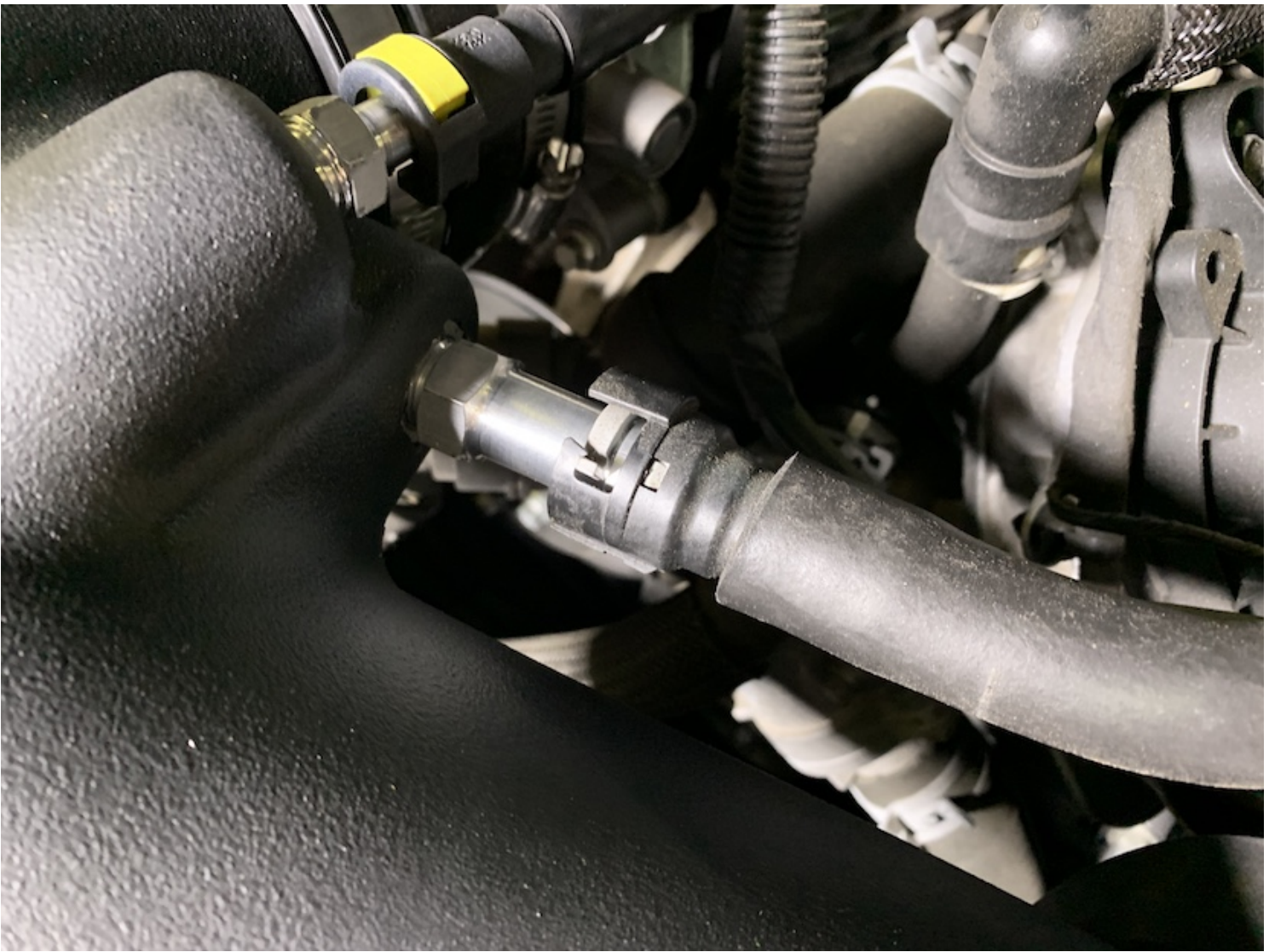
Install the S&B intake tube (12) into the vehicle in the position shown. Tighten the #64 hose clamp, securing the S&B intake tube to the engine throttle body.

Tools Required: Socket wrench, 5/16" Socket



STEP 19

Connect the vacuum hose to the S&B intake tube, pressing it onto the ¼ NPT quick connect.



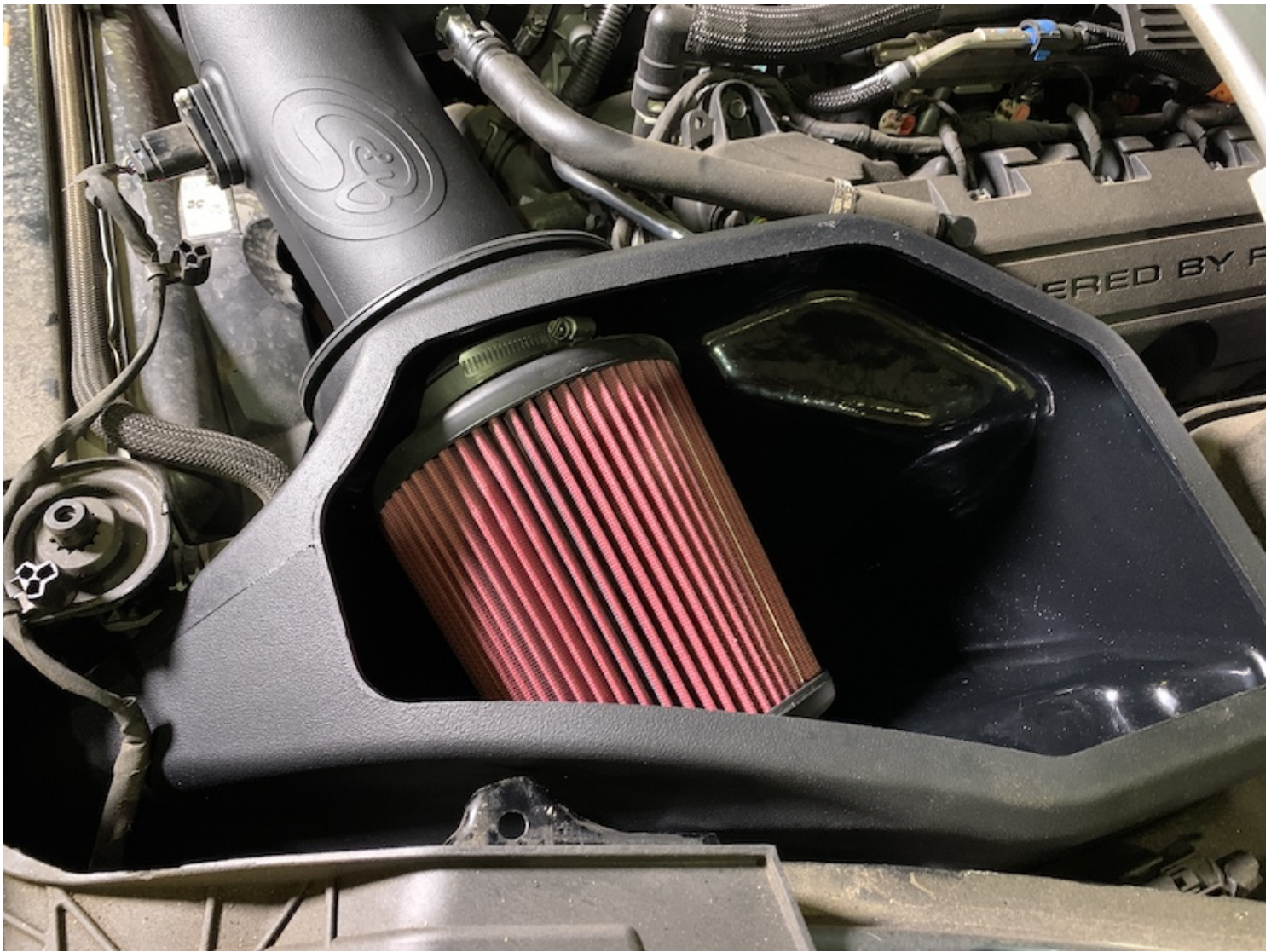
STEP 20

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



STEP 21

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



STEP 22

Connect the filter (10) to the S&B intake tube by placing it inside of the airbox and sliding the flange over the end of the tube. Secure the filter to the tube by tightening the #80 hose clamp (16).

Tools Required: Socket wrench, 5/16" Socket



STEP 23

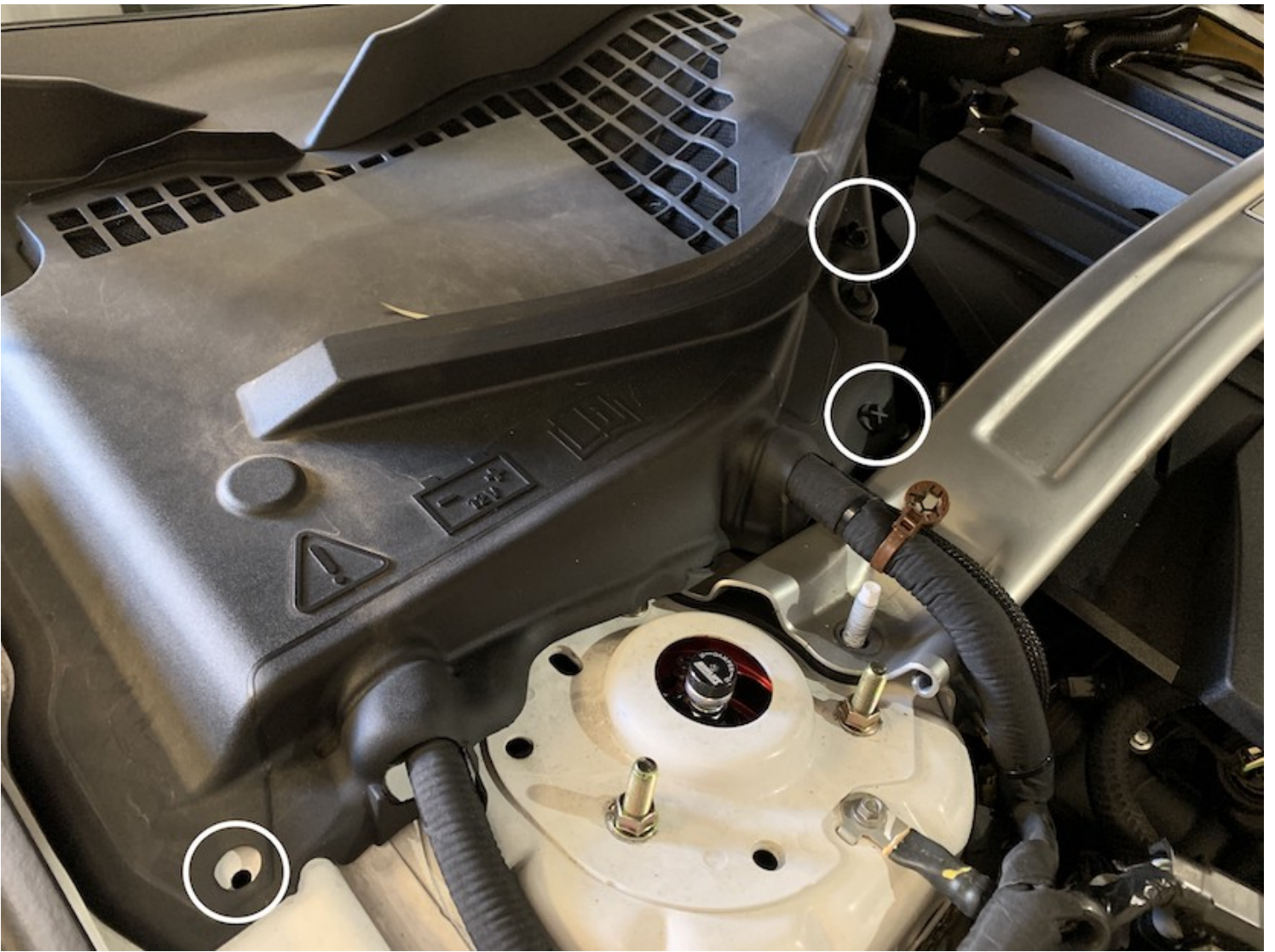
Install the lid seal (9) onto the lid (15) by stretching it around the perimeter of the lid. Snap the lid onto the top of the airbox by pressing down on all of the edges, ensuring that all edges of the lid are securely and completely snapped into place.



STEP 24

Reconnect the negative terminal on the battery.

Tools Required: Socket wrench, 10mm Socket



STEP 25

Replace the battery cover by reinstalling the twisting panel screws.



STEP 26

Inspect your installation, make sure the kit is properly positioned and all fasteners are secured. S&B Filters 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.**

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