Performance Air Intake Kit
Part Number: 827-768

Toyota 2019-2025 RAV4 Hybrid 2.5L
Toyota 2021-2024 RAV4 Prime 2.5L
Toyota 2025 RAV4 Plug-In Hybrid 2.5L
Installation Instructions

For technical inquiries please email us at tech@hpsperformance.com

In the email, please include the following information for faster response:
- **Year / Make / Model / Engine of your vehicle**
- **If it is a fitment issue, please include pictures showing the fitment problem**
- **If there are missing parts, please list the part number(s) from the bill of materials on the 2nd page**
- **Optional but recommended – Your contact phone number and preferred call back time**

You can also give us a call via 626-747-9200 for tech support Monday-Friday, 9:00am-5:00pm Pacific Time.

Last Revision KC08202025

Bill of Materials

Kit Number: 827-768

Line #	Description	Part Number	Qty
1	Air Intake Pipe	529-966	1
2	Bracket, “L”, Long	530-80	1
3	Bracket, “L”, Short	530-284	1
4	Heat Shield	531-963	1
5	Heat Shield Lid	531-964	1
6	HPS PerformanceAir Filter	HPS-4276	1
7	45 Degree Elbow Coupler, 3” ID, 1.25” Long	P3SEC45-300-L125	1
8	Embossed Hose Clamp, 70mm - 90mm	EMSC-70-90	2
9	Rubber Vibration Mount, M6, 1/2" Tall	HW-RM6-50	2
10	Rubber Vibration Mount, M6, 3/4" Tall, Male to Female	HW-RM6-75-MF	1
11	Allen Bolt, M4, 10mm long	HW-B4-10	2
12	Bolt, M5 x 0.8, 8mm Long, Hex Head	HW-B5-8H	6
13	Bolt, M6 x 1.0, 12mm Long	HW-B6-12	1
14	Flange Nut, M6	HW-N6	5
15	Flat Washer, M6, 16mm OD	HW-FW6L	7
16	Bubble Edge Trim	7750B2X1/16C	10 inches
17	Bubble Edge Trim	7750B2X1/16C	12 inches
18	Bubble Edge Trim	7750B2X1/16C	15 inches
19	Thin Edge Trim	75B7X1/16	13 inches

- **Before installing any parts of this intake kit, please read the instructions thoroughly.**
- **Verify the contents of this intake kit before disassembling your vehicle.**
- **Report any defective or missing parts to HPS directly. The HPS dealer you purchased this product from might not have the replacement parts you need.**
- **Installation requires moderate mechanical skills. A qualified mechanic is highly recommended.**
- **Do not attempt to install the intake kit while the engine is hot.**
- **This installation may require the removal of coolant lines that may be hot.**
- **For technical inquiries, please email us at tech@hpsperformance.com**

PLEASE READ CAREFULLY BEFORE INSTALLATION!

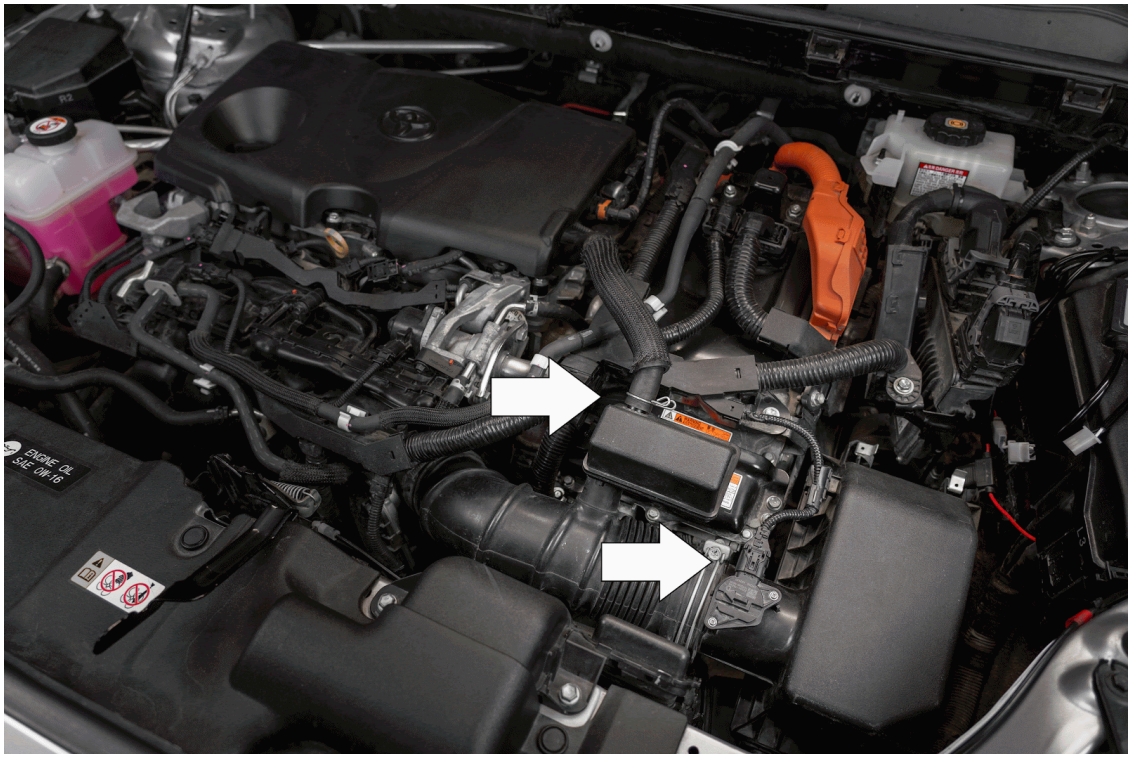
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

NOTE: HPS holds no responsibility for any engine damage that results from misuse of this product.

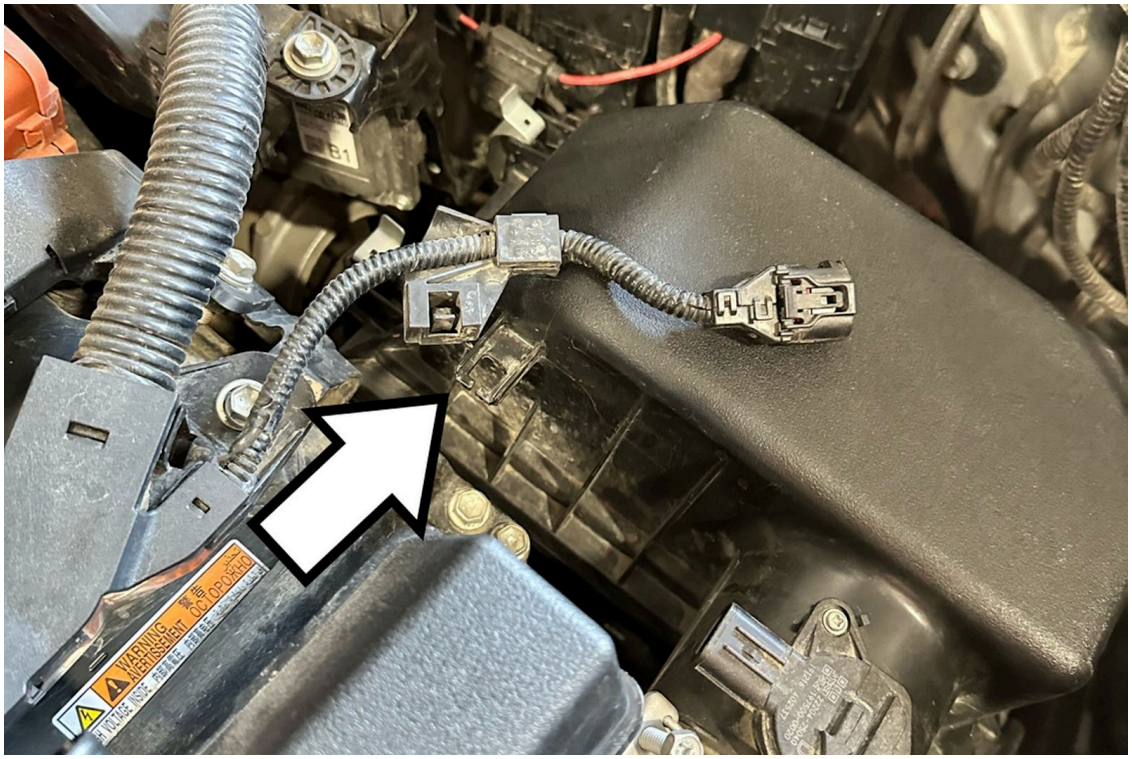
GETTING STARTED

1. Turn the ignition OFF and disconnect the vehicle's negative battery cable. If the engine has run within the past two hours, let it cool down.

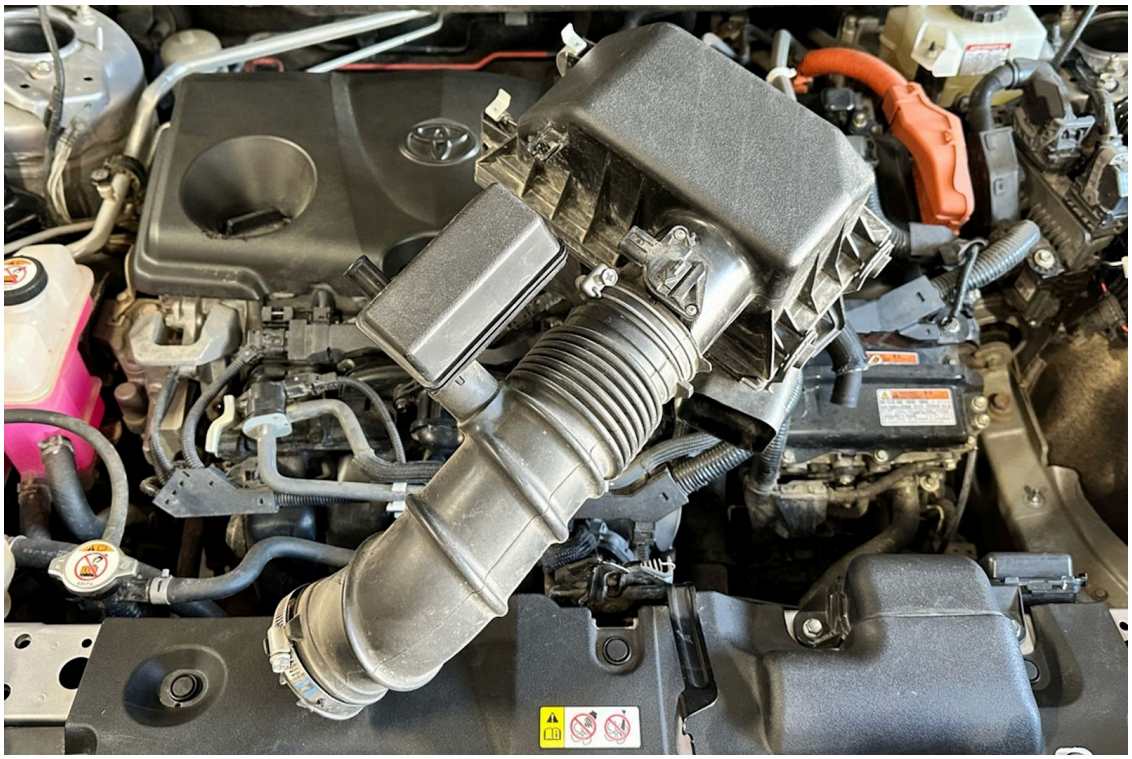
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicle's anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicle's anti-theft code. We also highly recommend NOT discarding any stock parts after the installation.



2. Disconnect the MAF sensor and remove the breather hose from the stock intake.



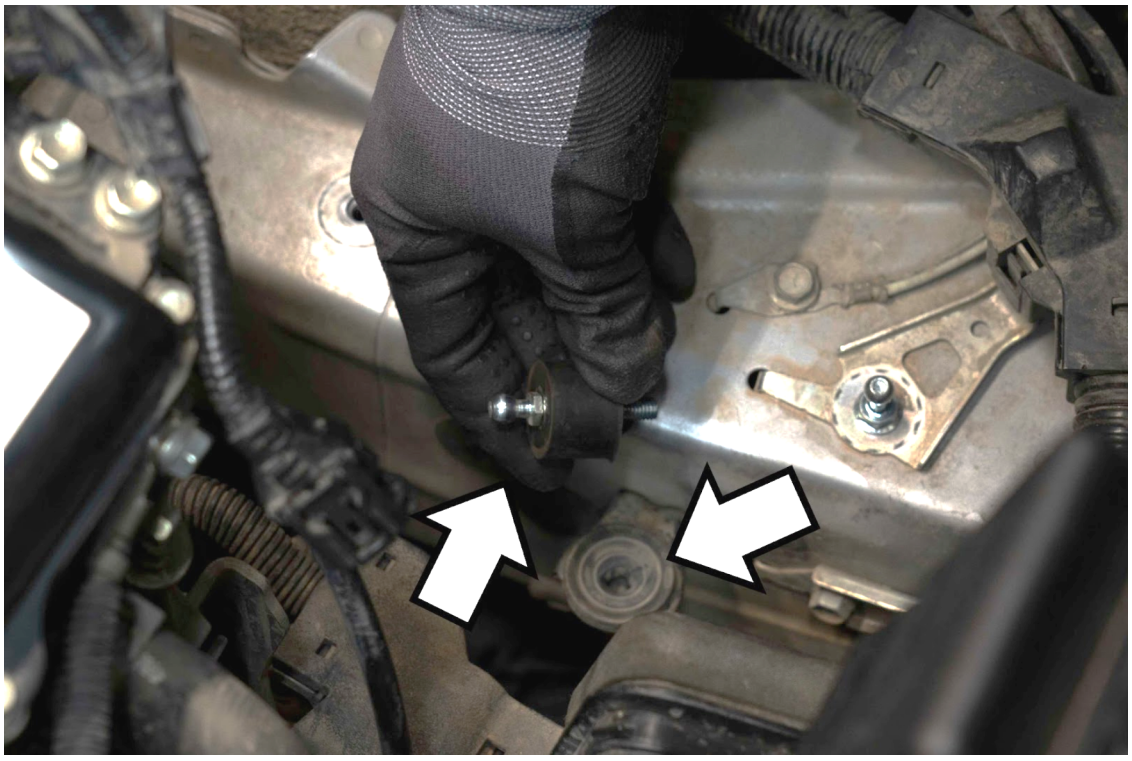
3. Unclip harness from upper airbox.



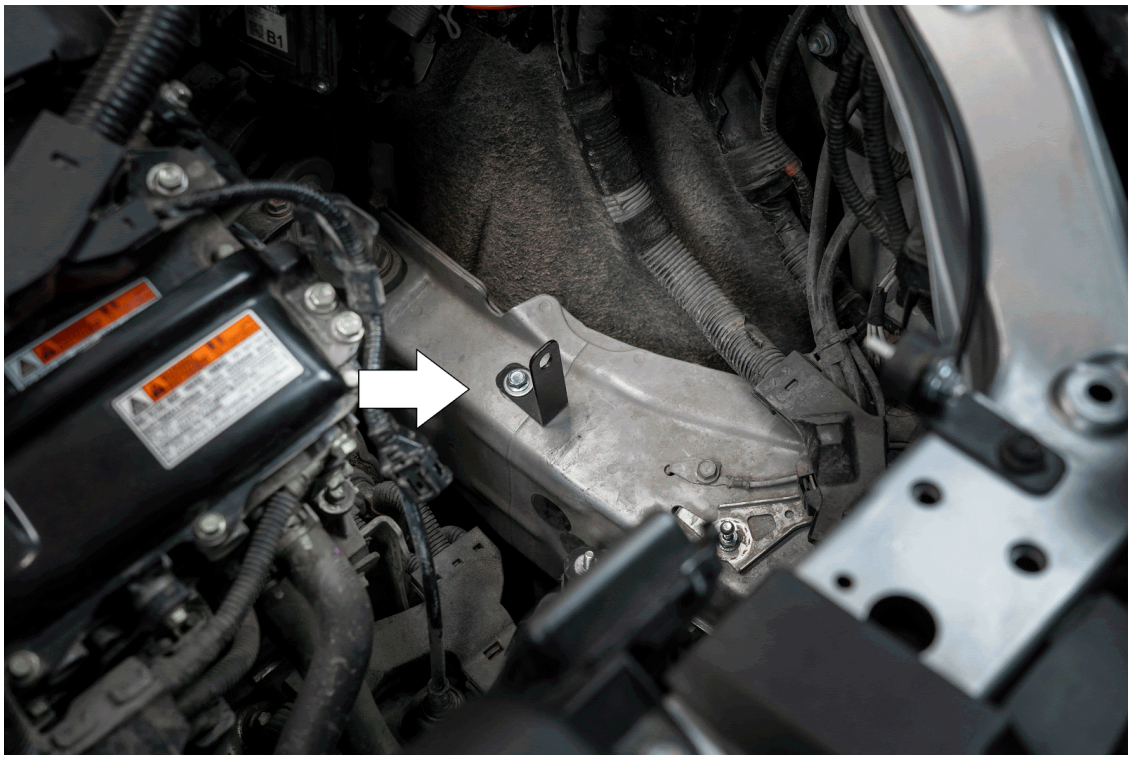
4. Grab the air box and lift up firmly to release it from the mounting grommets. Remove the stock intake air box and intake tube from the vehicle.



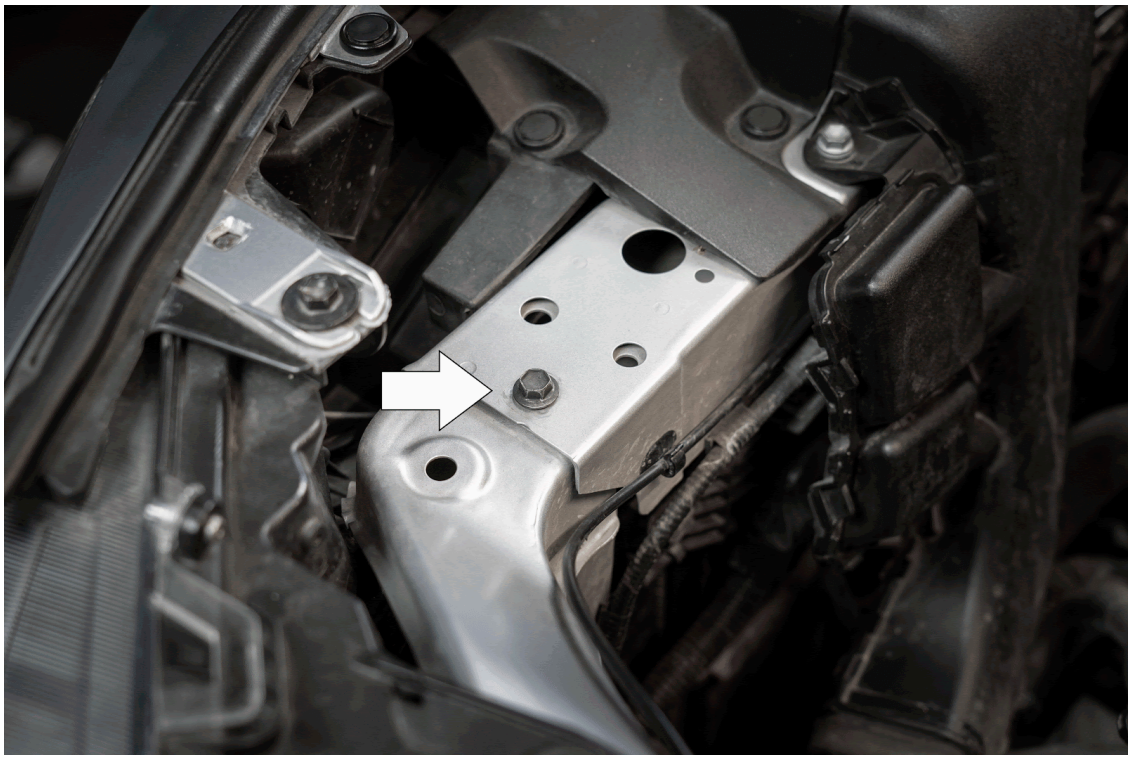
5. Using a deep 10mm socket, remove the stock ball stud indicated in the image above.



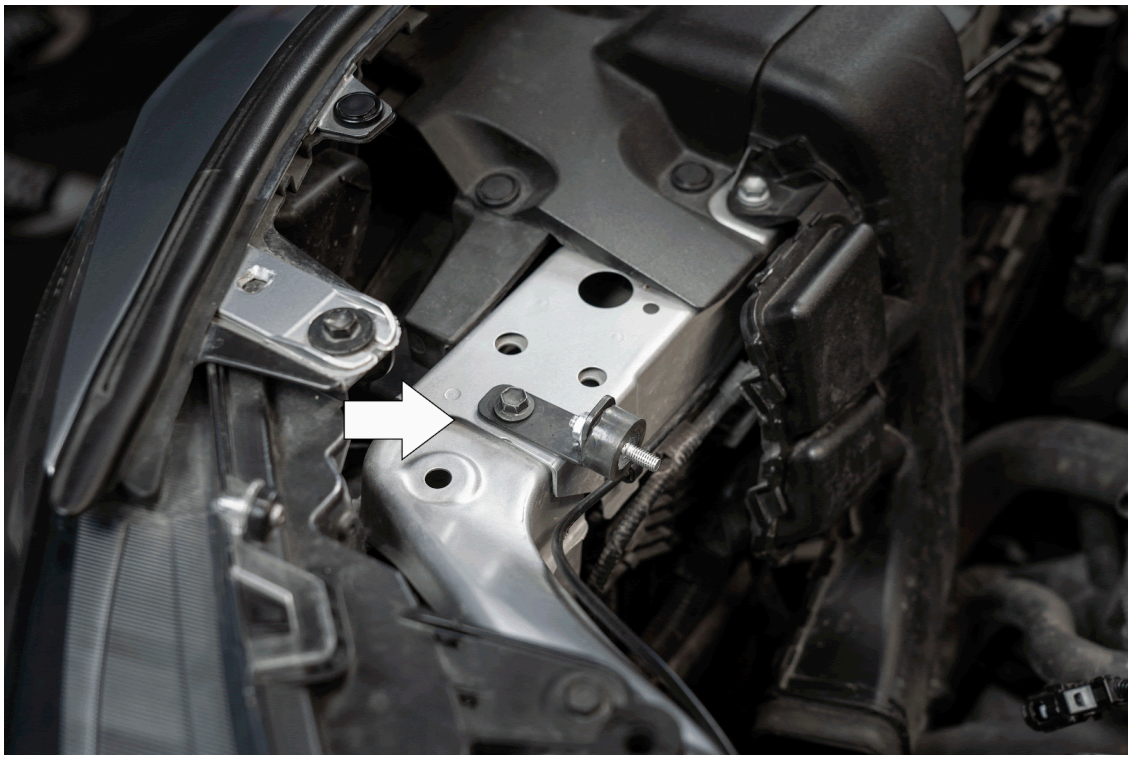
6. Install the ball stud onto the provided 3/4” tall rubber vibration mount. Next, push the ball stud into the mounting grommet indicated in the image above.



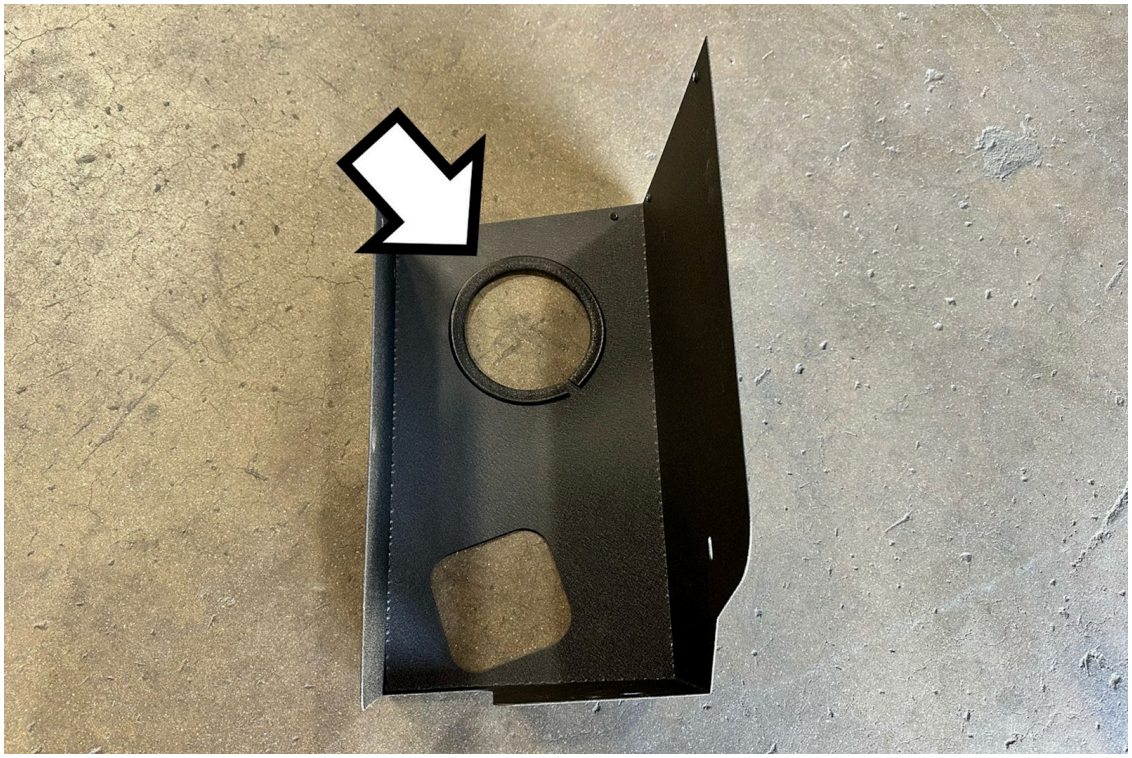
7. Mount the long “L” bracket to the stock ball stud mounting location using the provided M6 bolt and washer.



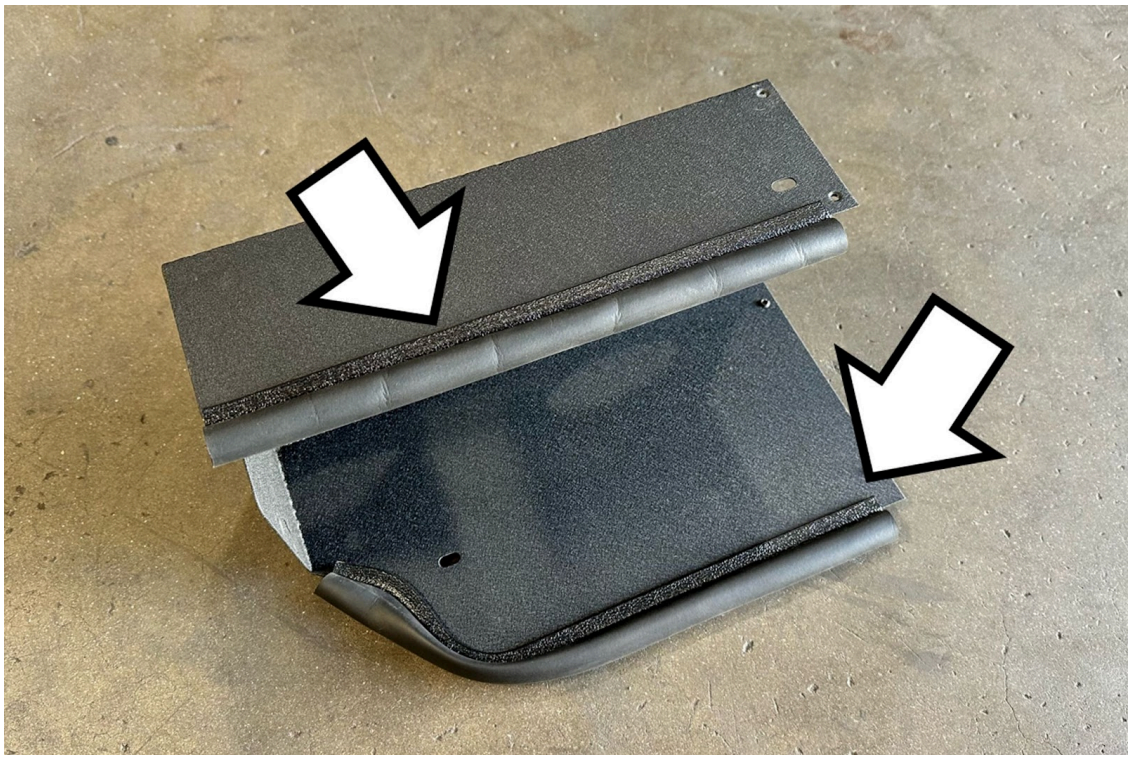
8. Remove the bolt located on the radiator support.



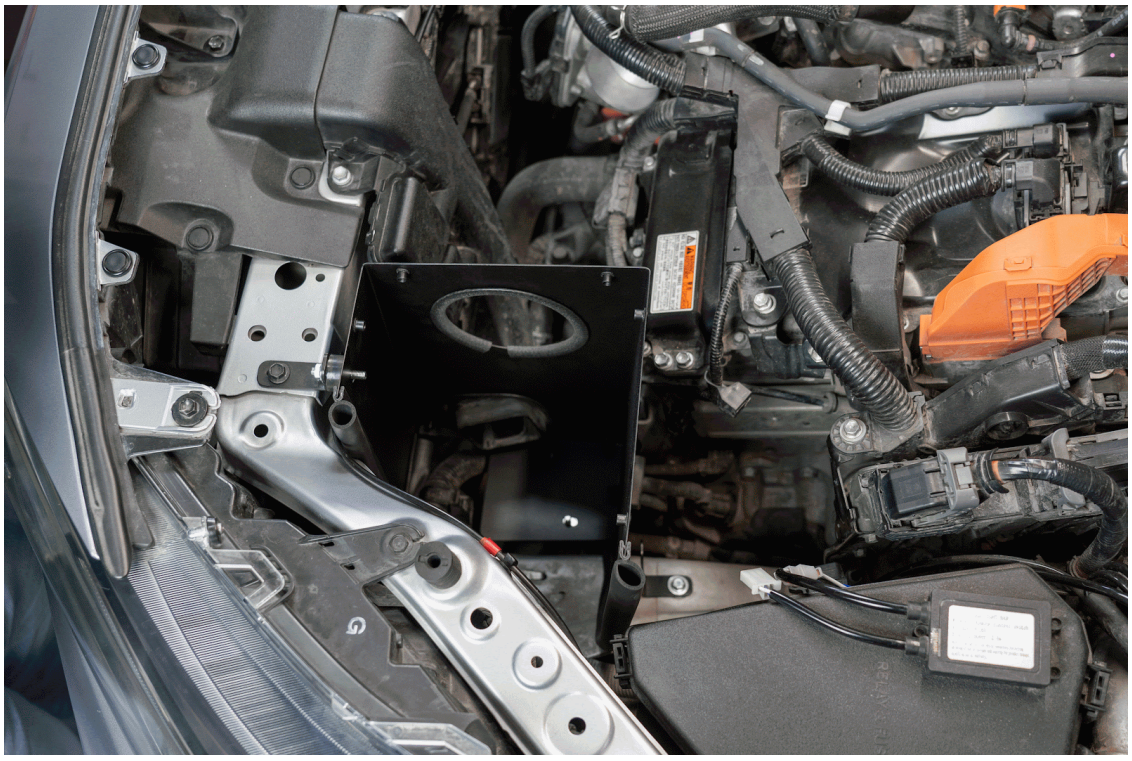
9. Install the provided short “L” bracket using a washer and the stock bolt removed from the previous step. Install the vibration mount onto the short side of the L bracket using a provided washer and M6 nut.



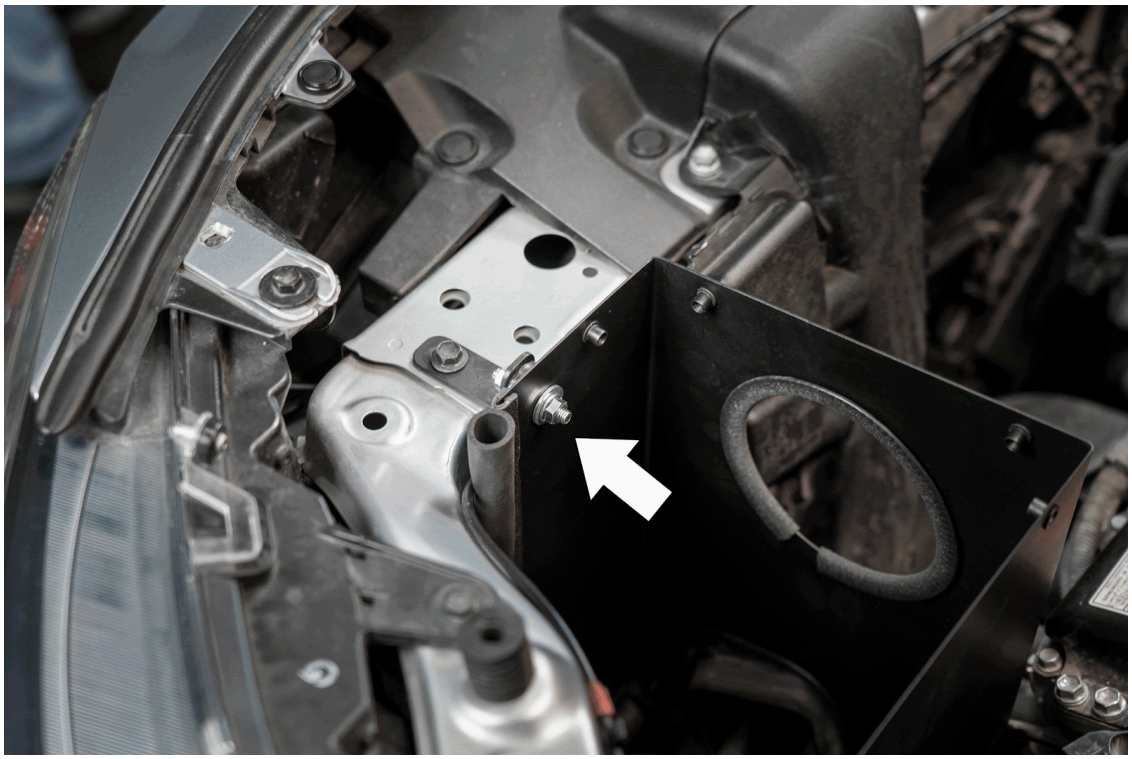
10. Install 13 inches of thin edge trim onto the round opening of the heat shield.



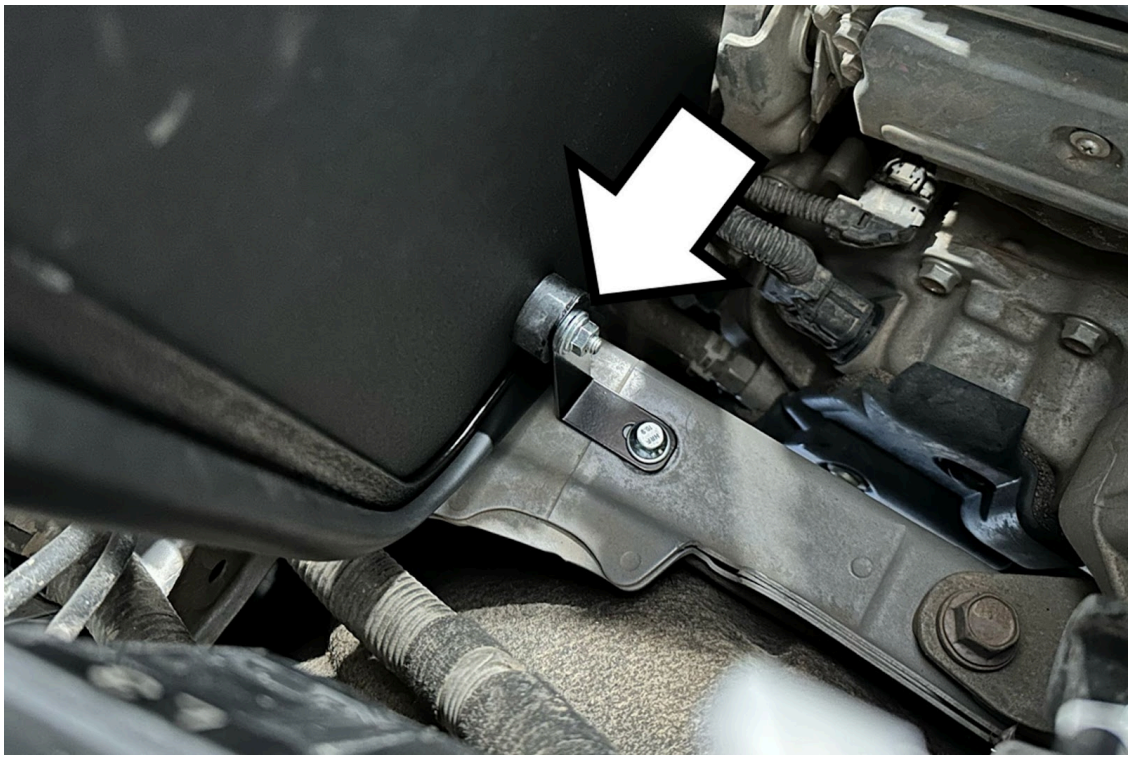
11. Install 12 inches of bubble edge trim in the front and 15 inches at the rear of the heat shield.



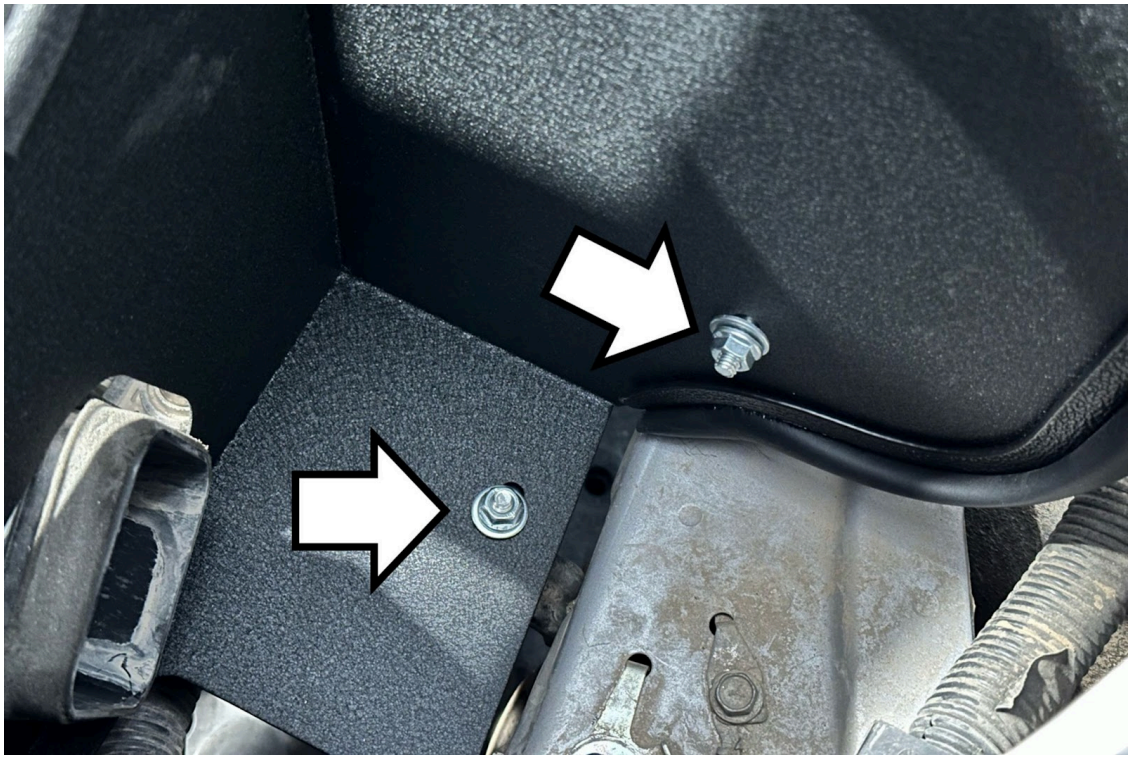
12. Insert the heat shield into the vehicle as shown.



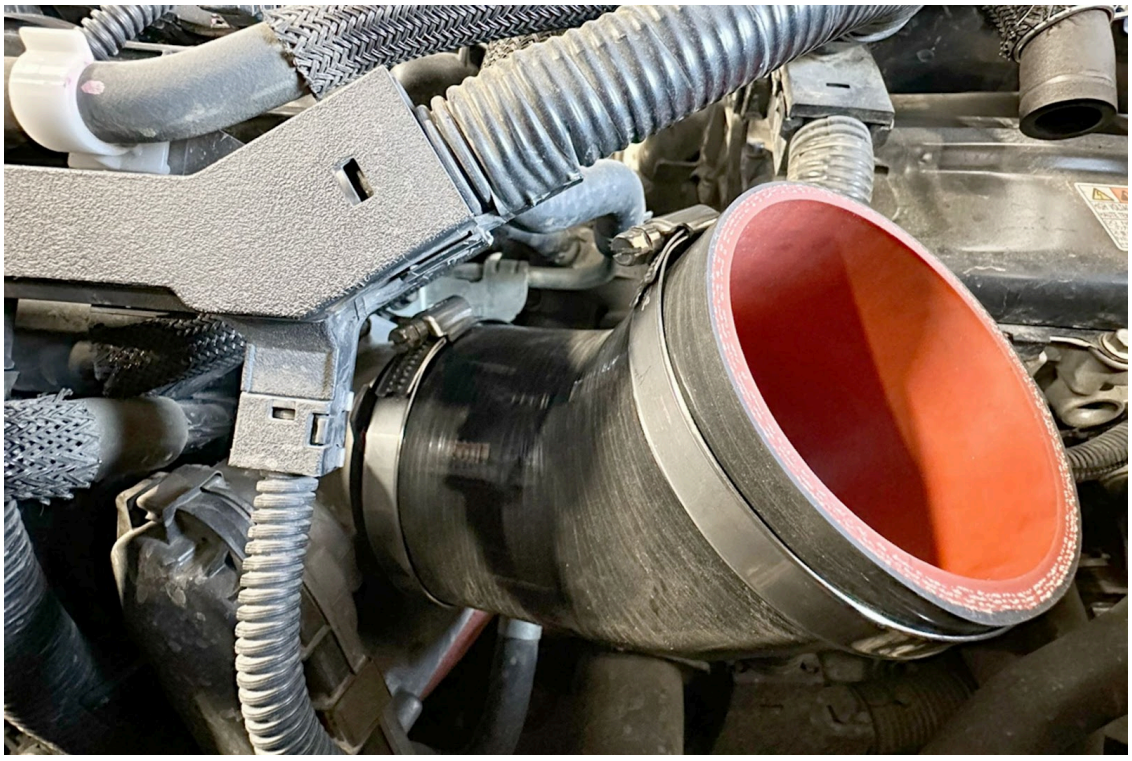
13. Insert the 1/2" vibration mount, previously installed, into the mounting hole on the heat shield and secure it with the provided M6 nut and washer.



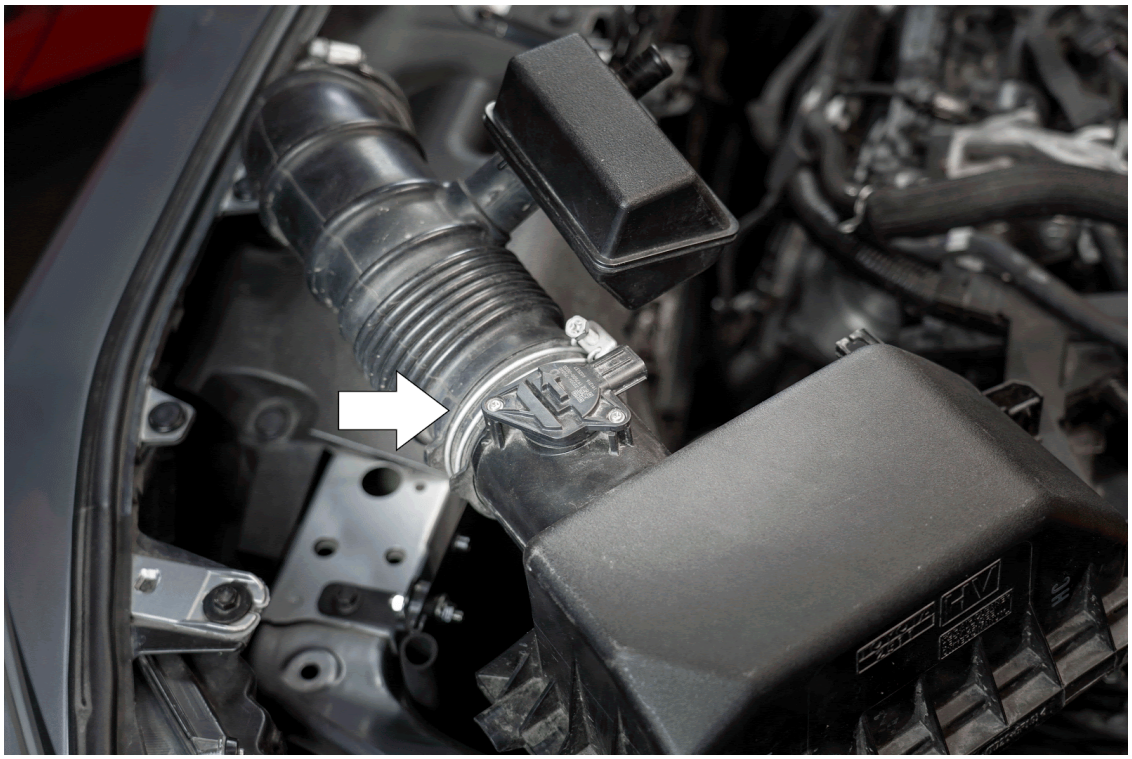
14. Slide the 1/2" rubber vibration mount in between the heat shield and the bracket. Secure the vibration mount onto the bracket using a M6 nut and washer.



15. Secure the two 1/2" rubber vibration mounts onto the heat shield using the provided M6 nuts and two washers.



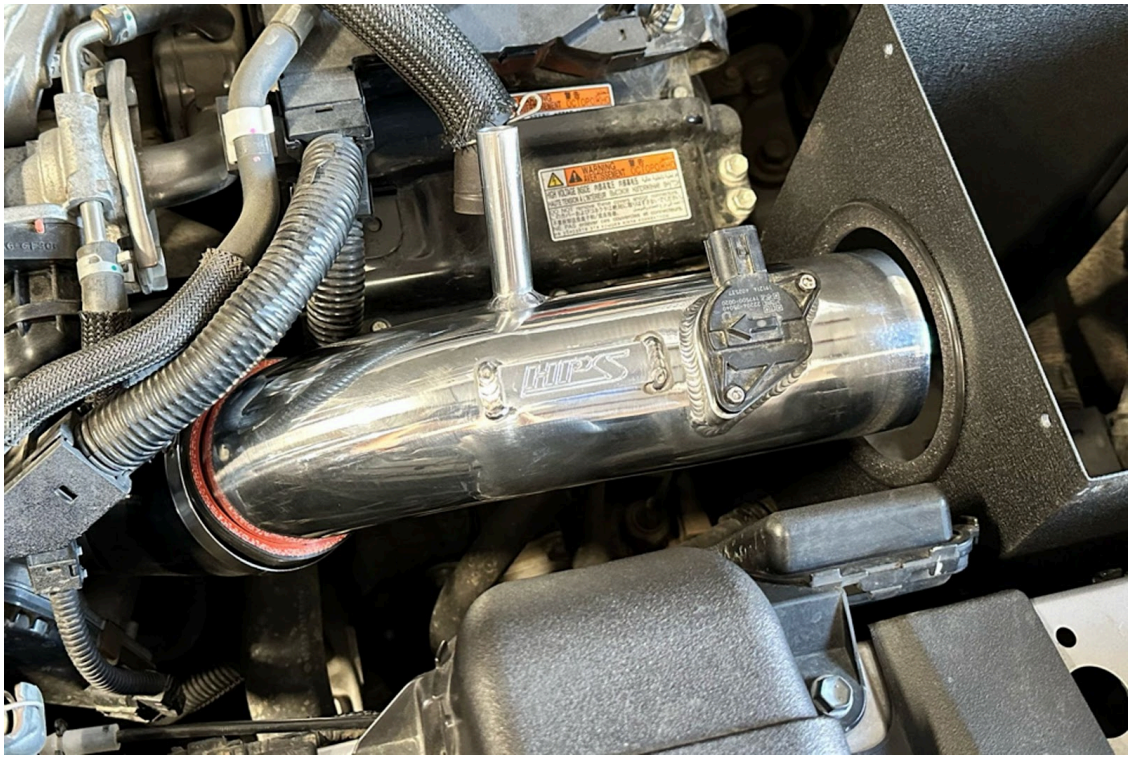
16. Slide the provided clamps onto the 45 degree elbow, then connect it onto the throttle body. Leave the clamps loose for now as adjustments may be needed.



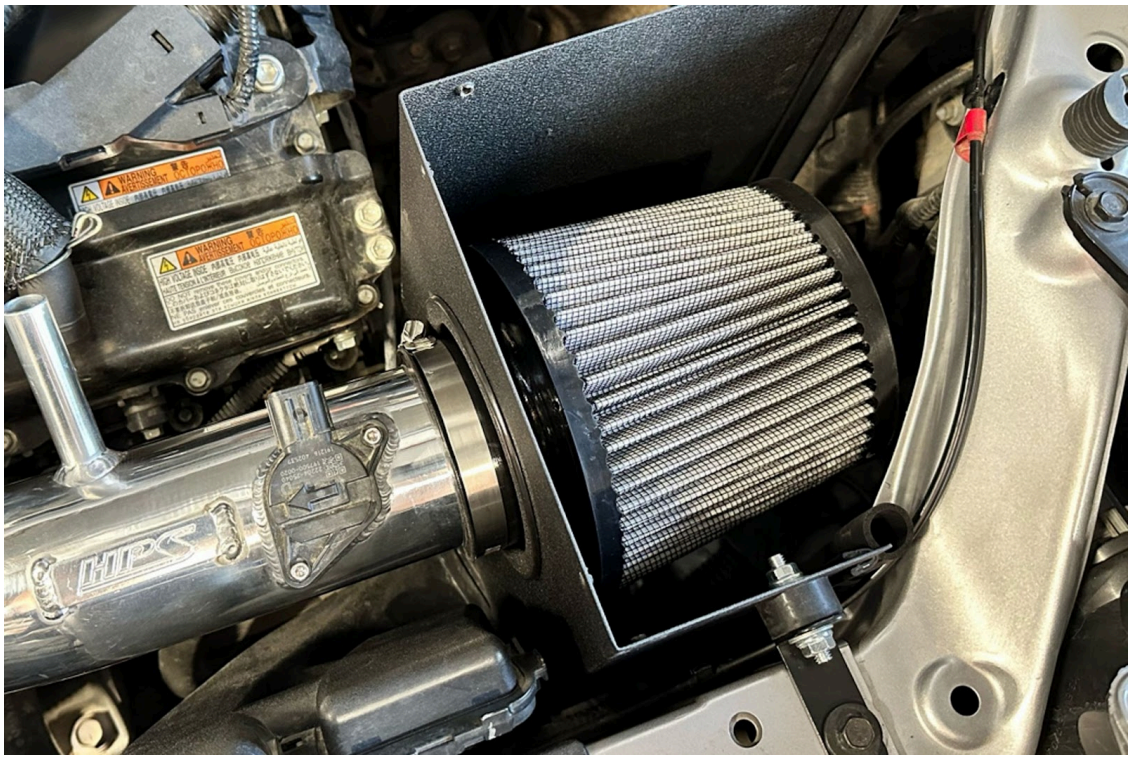
17. Remove the MAF sensor from the upper airbox.



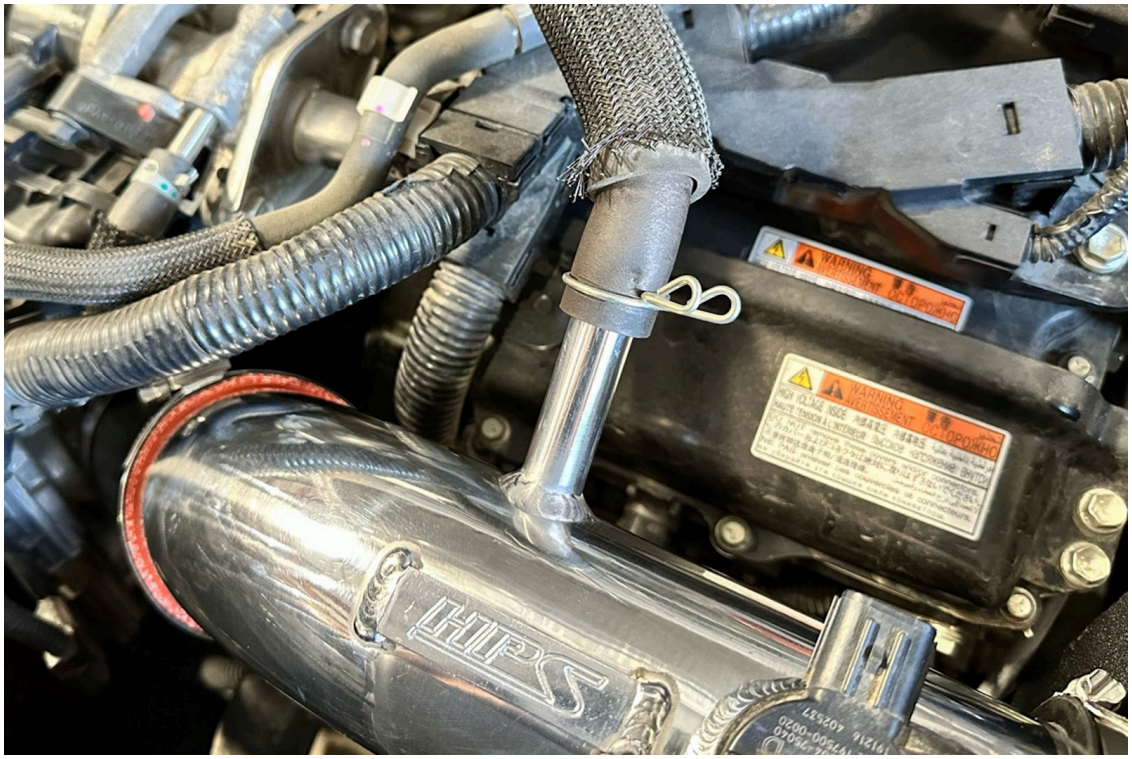
18.Install the MAF sensor onto the HPS intake pipe using the provided M4 bolts.



19. Place the HPS intake pipe into position. Rotate the 45 degree elbow and adjust the HPS intake pipe until it sits flat and centered with the opening at the heat shield.



20. Slide the clamp from the HPS Performance Air Filter onto the intake pipe, then install the filter onto the pipe. Fasten the clamp onto the air filter to secure it.

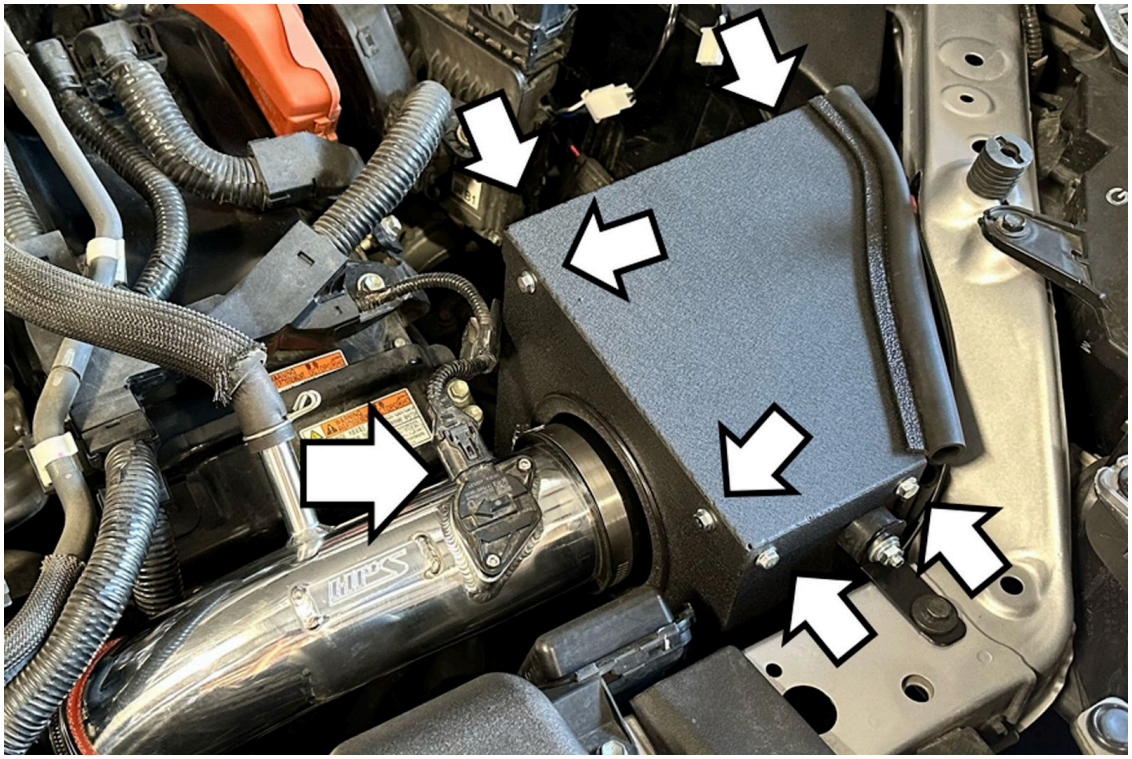


21. Connect the breather hose onto the HPS intake pipe.



22. Install the remaining bubble edge trim onto the lid.

NOTE: Bubble edge trim may need to be cut to length



23. Reconnect the MAF sensor then install the lid onto the heat shield and secure it with the provided M5 bolts.

FINAL STEPS

Once the intake has been positioned, tighten all of the clamps and secure all of the parts.

Upon completion of the installation, reconnect the negative battery terminal before you start the engine. Double check to make sure everything is tight and properly positioned before starting the vehicle.

Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles and correct the problem.

Periodically, recheck the alignment of the intake kit and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.



Also available for
Toyota 2019-2025 RAV4 Hybrid 2.5L
Toyota 2021-2024 RAV4 Prime 2.5L
Toyota 2025 RAV4 Plug-In Hybrid 2.5L

	**HPS Performance Air Filter** **For Intake Kit 827-768** **Part Number HPS-4276**
	**HPS Performance Air Filter** **Cleaning and Recharge Kit** **Part Number HPS-AFRC**
	**HPS Performance Stainless Steel Magnetic** **Engine Oil Drain Plug** **Part Number MDP-M12x125**

Contact an authorized HPS Performance dealer or visit us at hpsperformance.com for more details