Performance Air Intake Kit
Part Number: 827-798

2018-2024 Toyota Camry 2.5L GAS
2019-2025 Toyota RAV4 2.5L GAS

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-4:30pm Pacific Time.

Last Revision KC04242026JT

Bill of Materials

Kit Number: 827-798

Line #	Description	Part Number	Qty
1	Air Intake Pipe	529-450	1
2	Heat Shield	531-451	1
3	HPS Performance Air Filter	HPS-4276	1
4	Hump Coupler, 3.00” ID, 3.00” Long	P3SHC-300-L3	1
5	Embossed Hose Clamp, 70mm - 90mm	EMSC-70-90	2
6	Embossed Hose Clamp, 16mm - 27mm	EMSC-16-27	2
7	Allen Bolts, M4, 8mm Long	HW-B4-8	2
8	Flange Nut, M6	HW-N6	3
9	Flat Washer, M6, 16mm OD	HW-FW6L	3
10	Ball Stud, M6	HW-BALL-8MM-M6	3
11	Honeycomb Sleeve, 3” OD	HC-300	1
12	EPDM Hose, 5/8" ID	EPDM-062	10.5 inches
13	Thin Edge Trim	75B7X1/16	20 inches
14	Bubble Edge Trim	7750B2X1/16C	22 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!

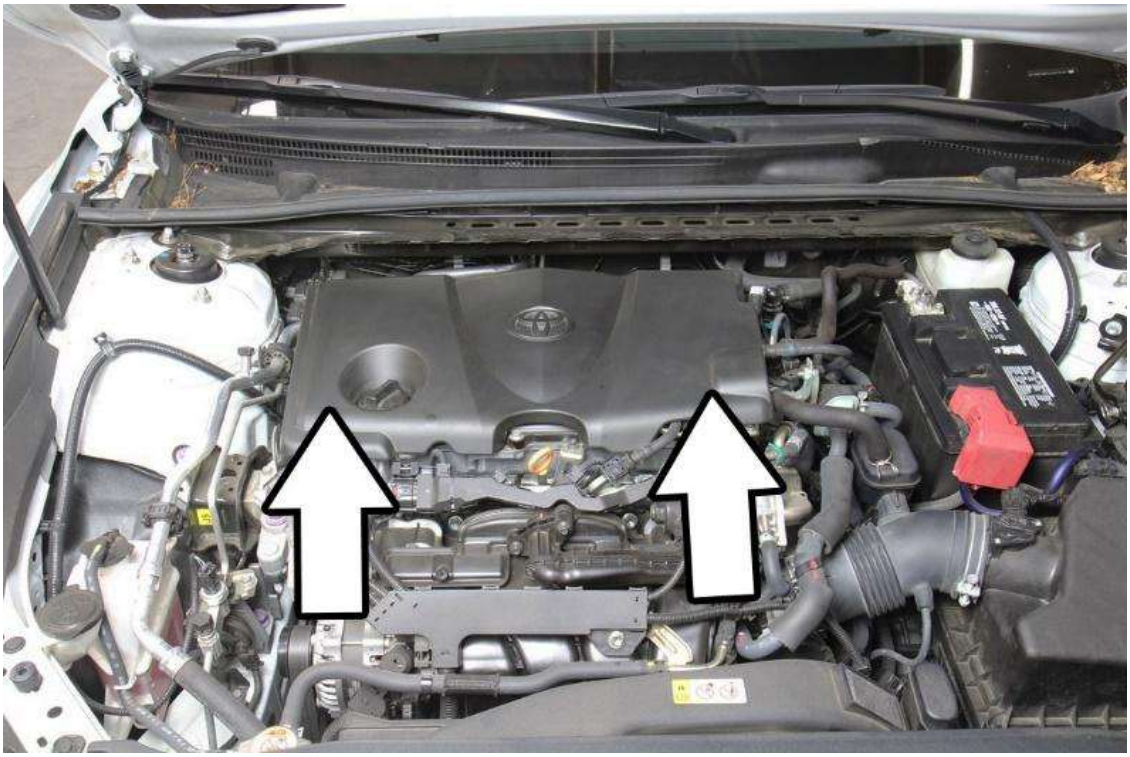
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

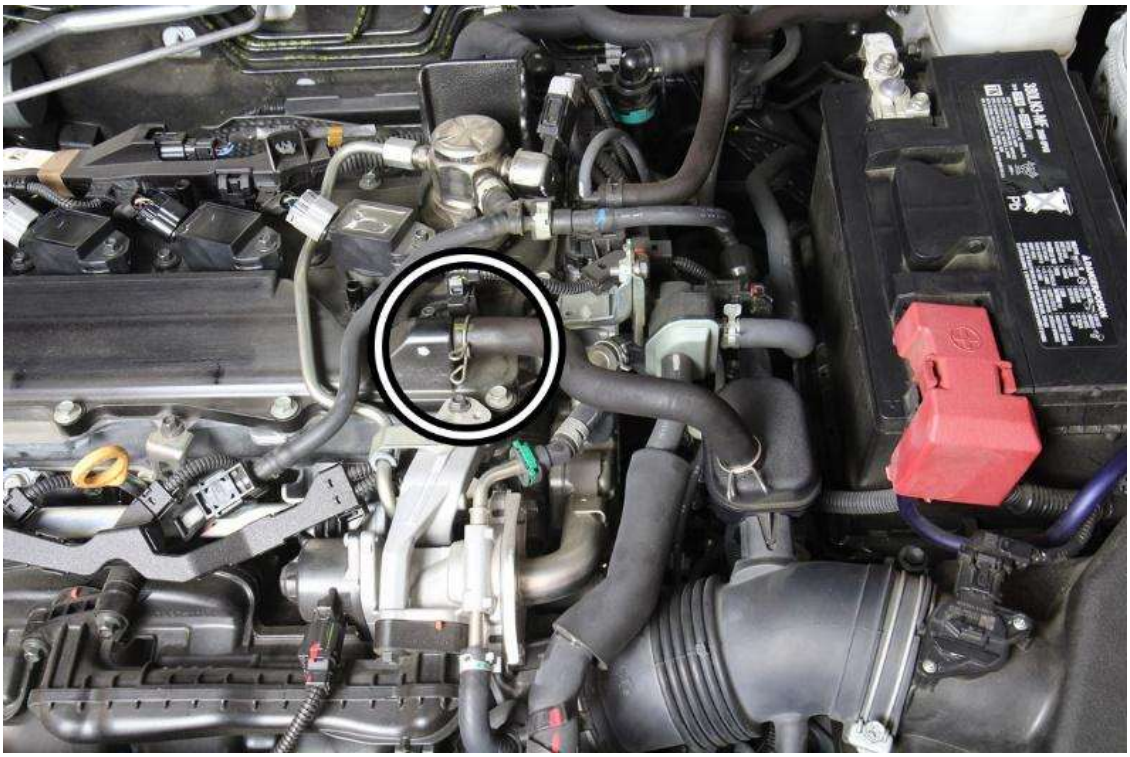
GETTING STARTED

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.

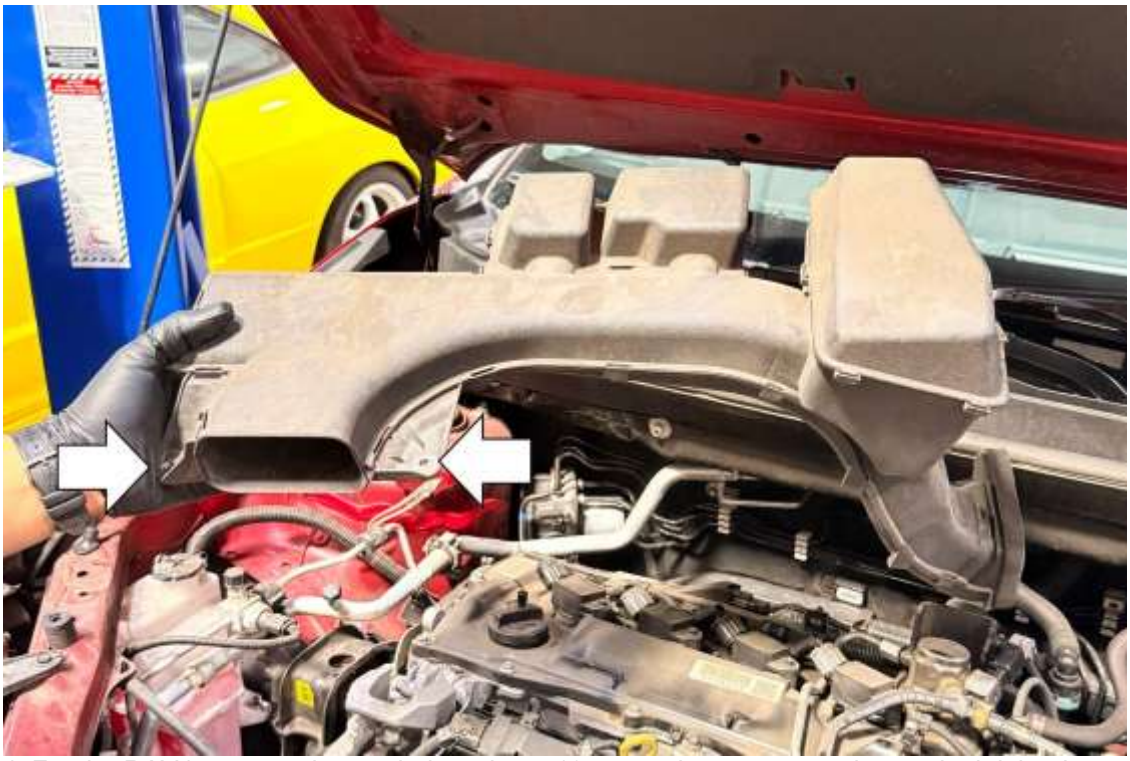
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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.



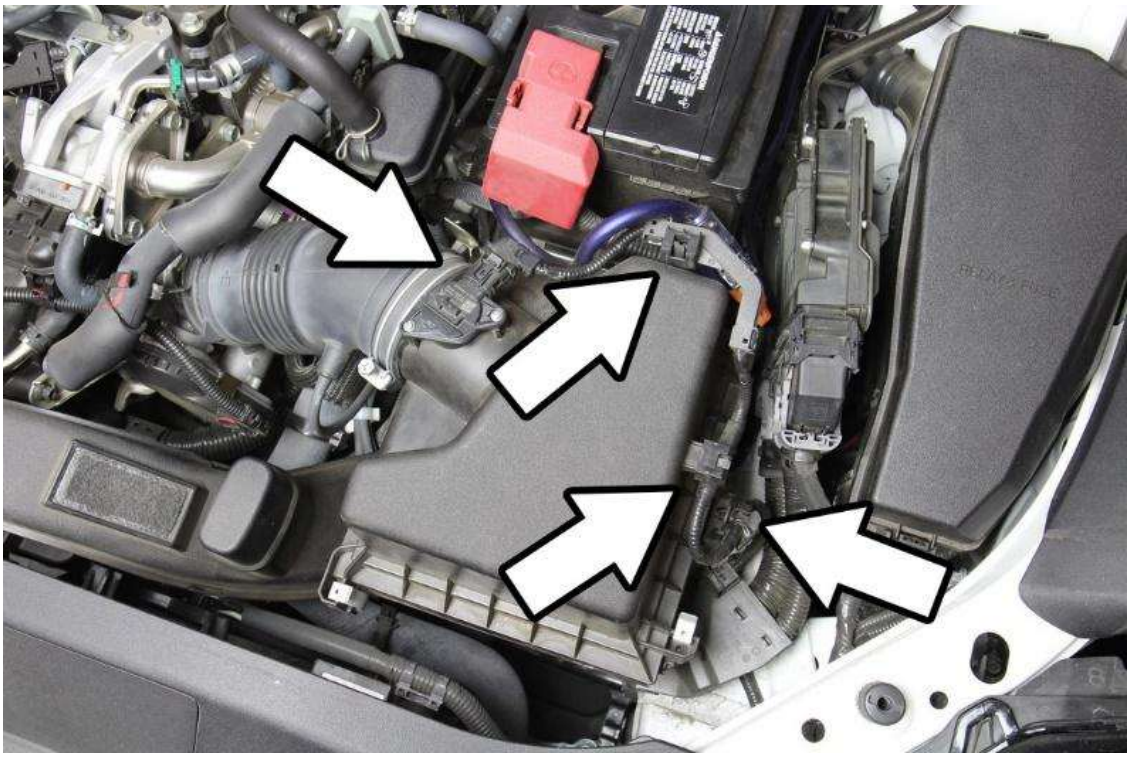
2. Lift and remove the engine cover.



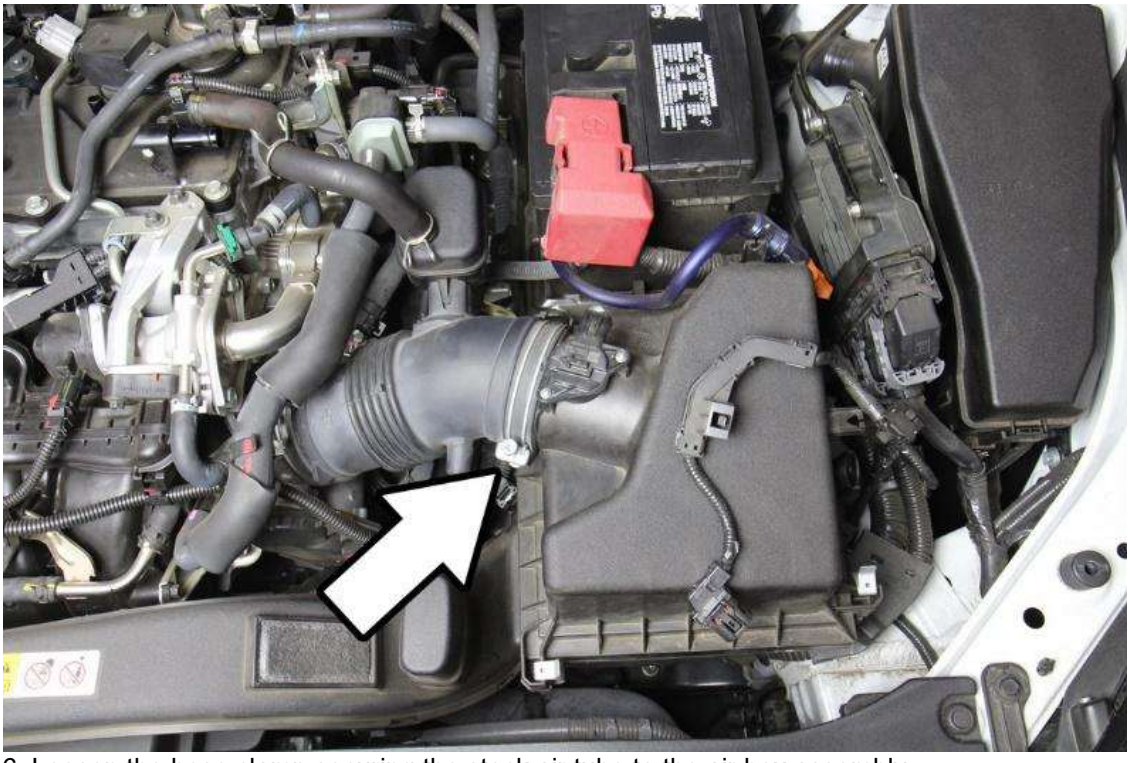
3. Loosen the hose clamp and remove the breather hose from the crankcase vent tube.



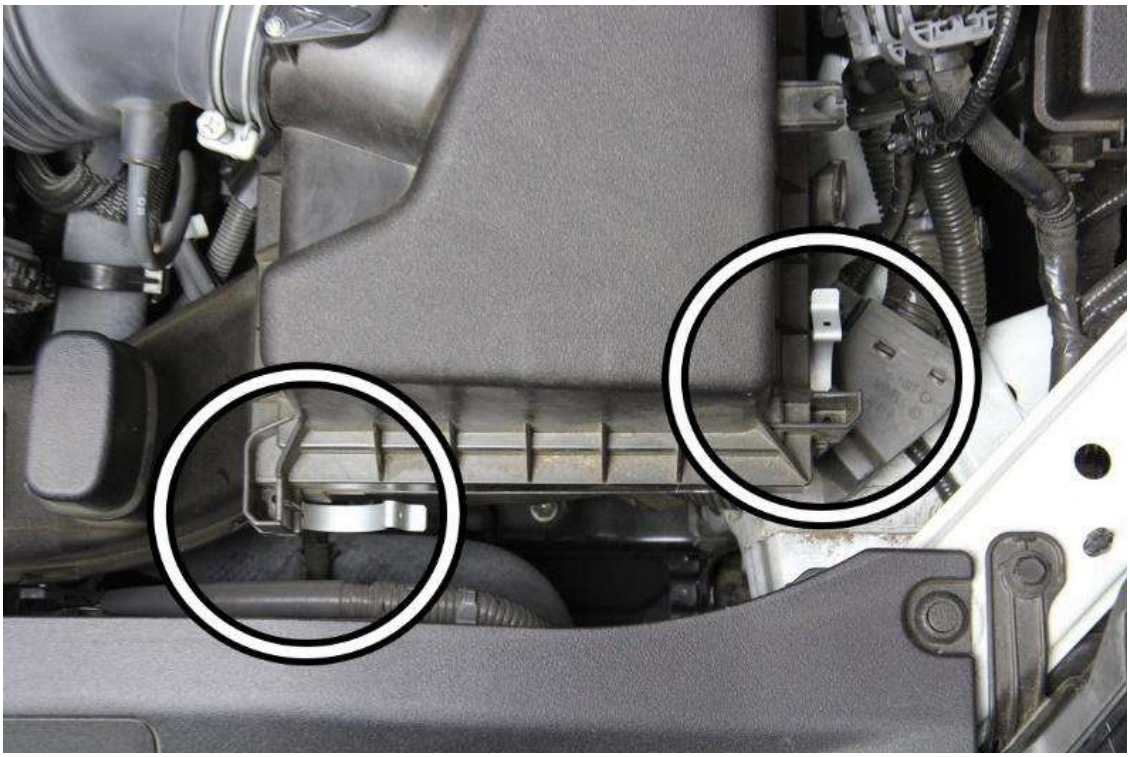
4. For the RAV4, remove the two bolts using a 10mm socket to remove the stock air inlet duct.



5. Disconnect the mass air flow sensor harness from the upper air box assembly.



6. Loosen the hose clamp securing the stock air tube to the air box assembly.



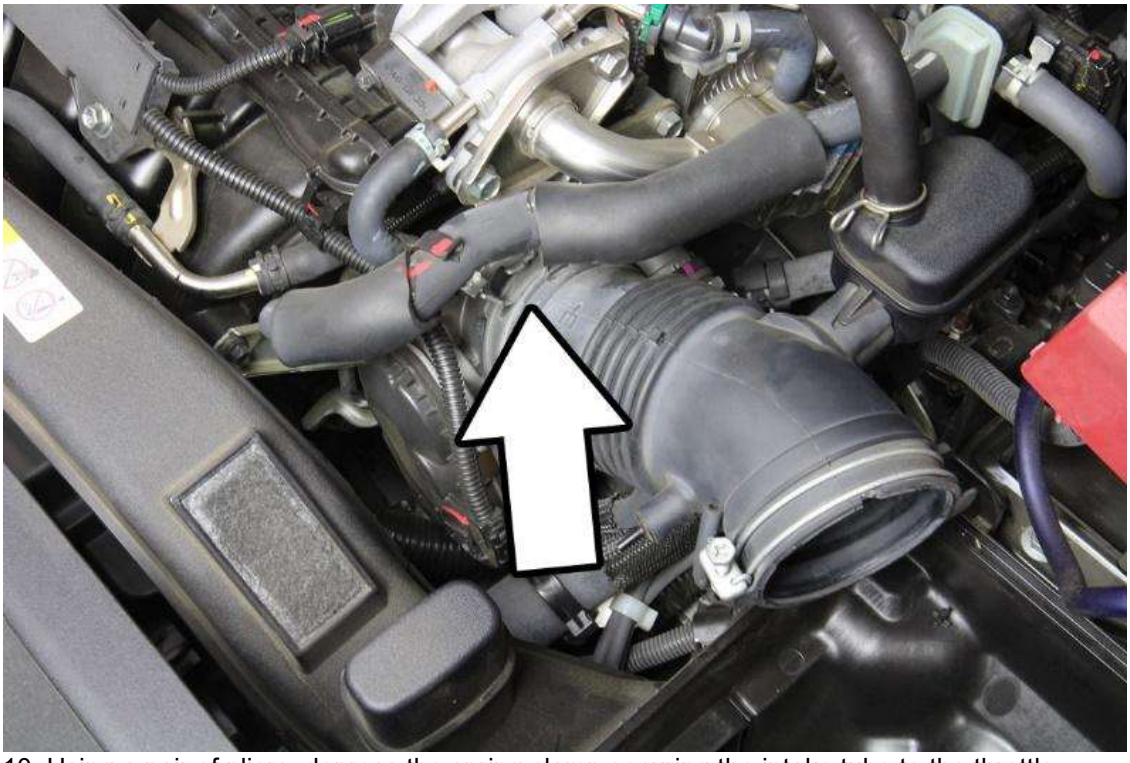
7. Unclip the retaining clips from the upper air box.



8. Separate the upper air box assembly from the intake tube to remove the upper air box assembly from the vehicle.



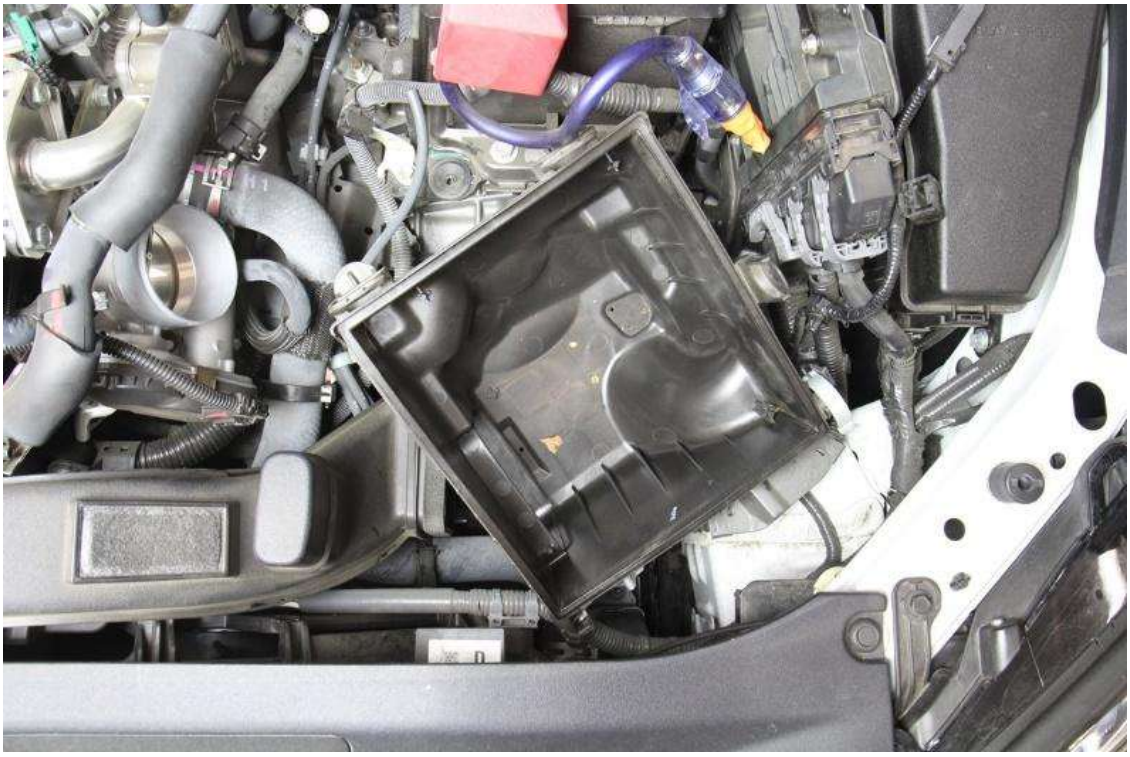
9. Disconnect the vacuum line from the stock intake tube.



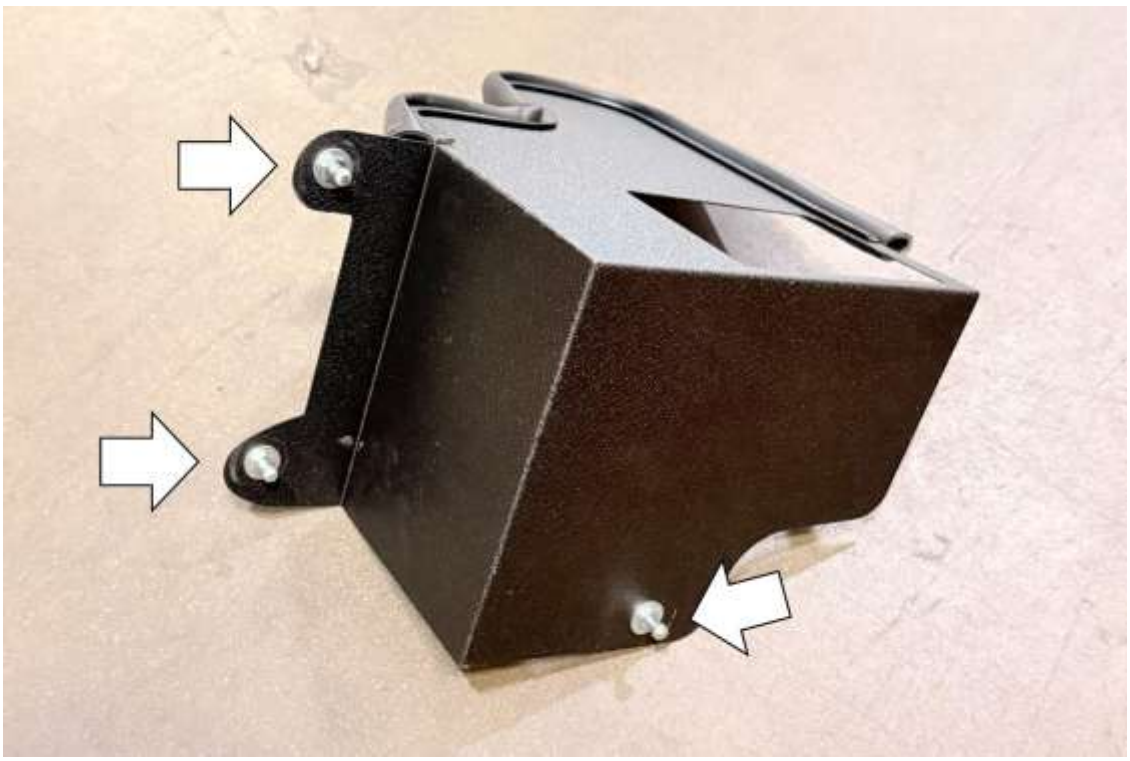
10. Using a pair of pliers, depress the spring clamp securing the intake tube to the throttle body.



11. Remove the stock intake tube from the vehicle.



12. Lift the three mounts from the rubber grommets to remove the lower air box assembly from the vehicle.



13. Secure each of the three ball studs onto the heat-shield using an M6 washer and M6 nut provided in the hardware kit.



14. Install the bubble edge trim onto the top portion of the heat shield and the thin edge trim onto the air scoop opening.



15. Place the heat shield onto the factory air scoop and insert the ball studs into the factory rubber grommets.



16. Remove the stock MAF sensor from the upper air box assembly and install it onto the HPS intake pipe. Secure the sensor using the two M4 Allen bolts provided in the hardware kit.



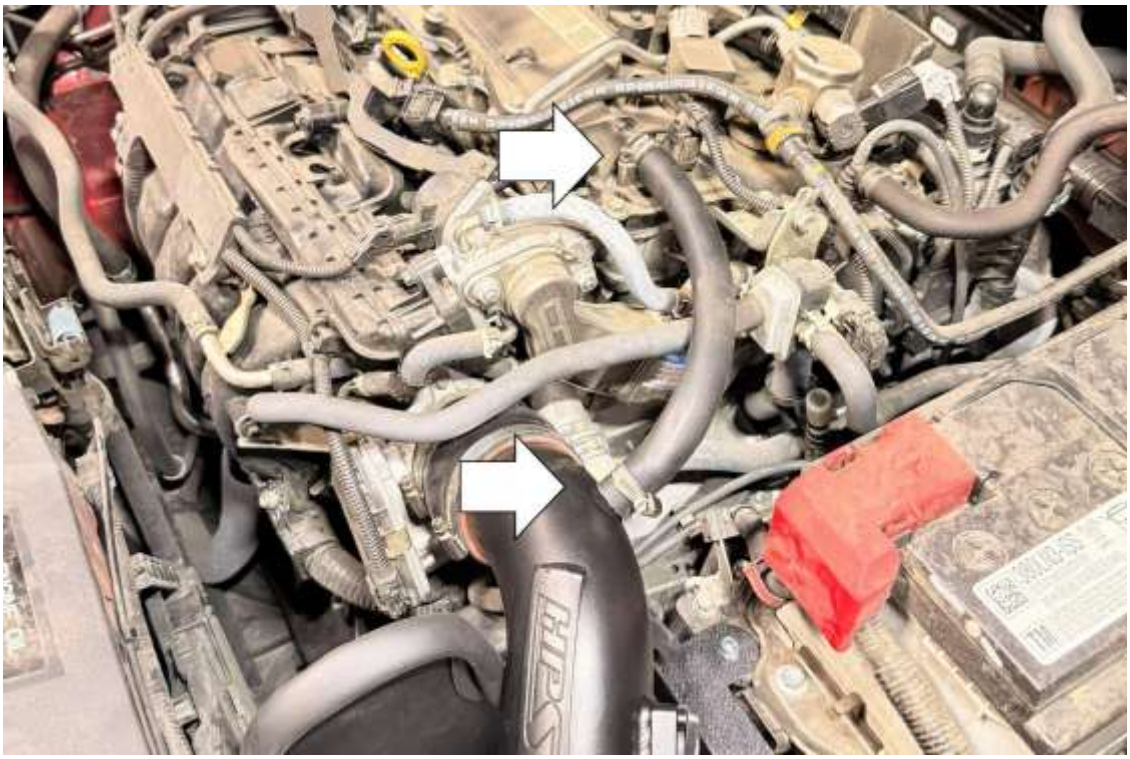
17. Insert the provided honeycomb into the end of the intake pipe that’s closest to the MAF sensor.



18. Place the hump coupler onto the throttle body along with provided clamps then, insert the HPS intake pipe into the coupler. Secure the clamps once the intake pipe is properly positioned.



19. Connect the vacuum line to the smaller intake barb.



20. Install the provided EPDM hose onto the crankcase barb and the intake barb. Secure the hose using the clamps provided in the hardware kit.



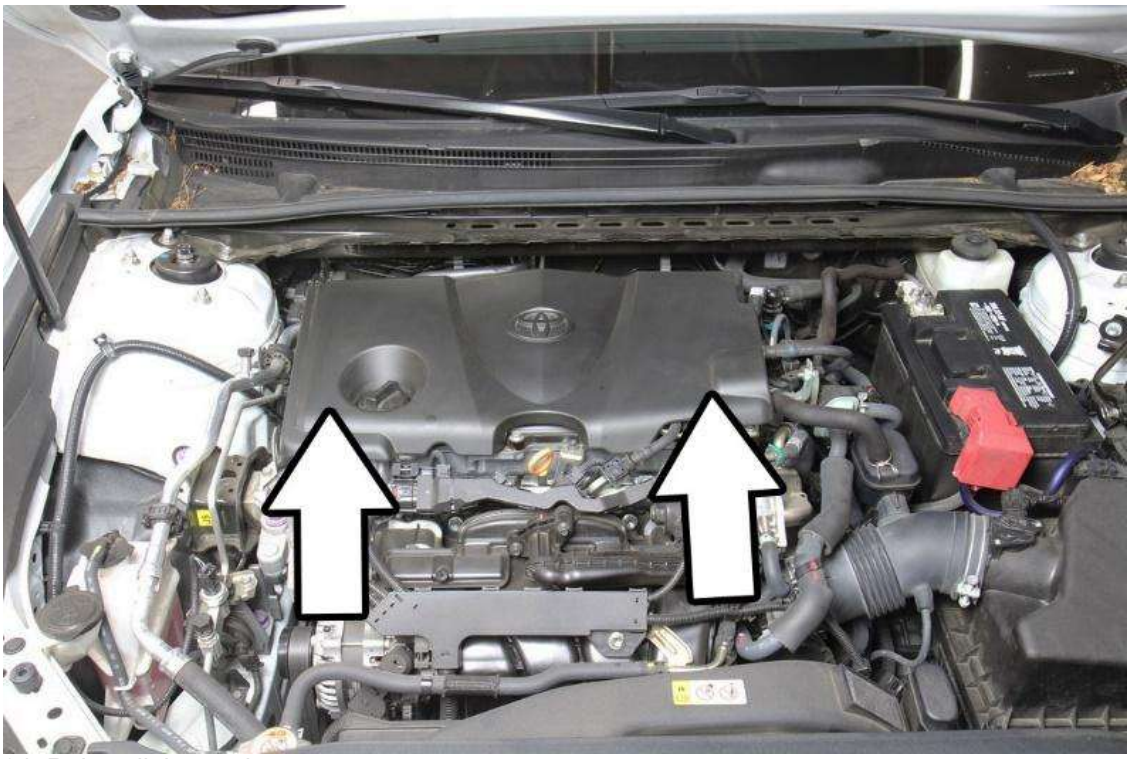
21. Reconnect the MAF sensor harness connector onto the MAF sensor.



22. Install the HPS air filter onto the intake pipe.



23. For the RAV4, reinstall the factory air inlet duct using the original bolts.



24. Reinstall the engine cover.

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.

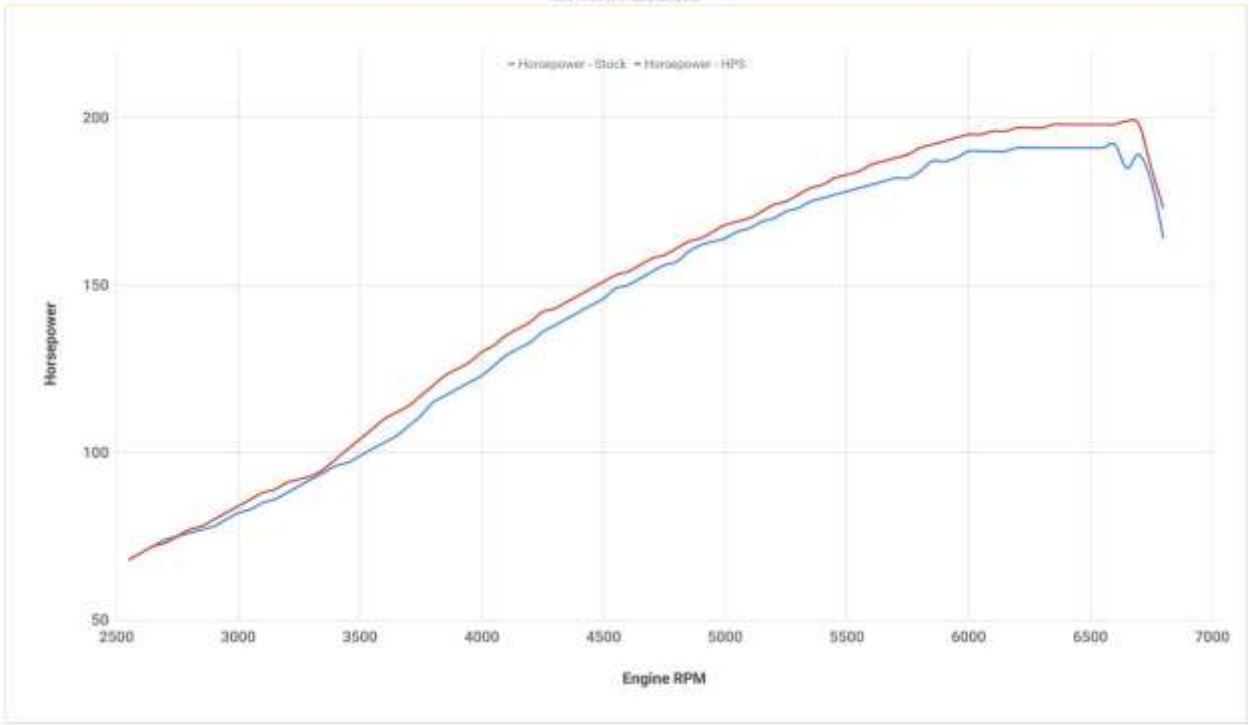
Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles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



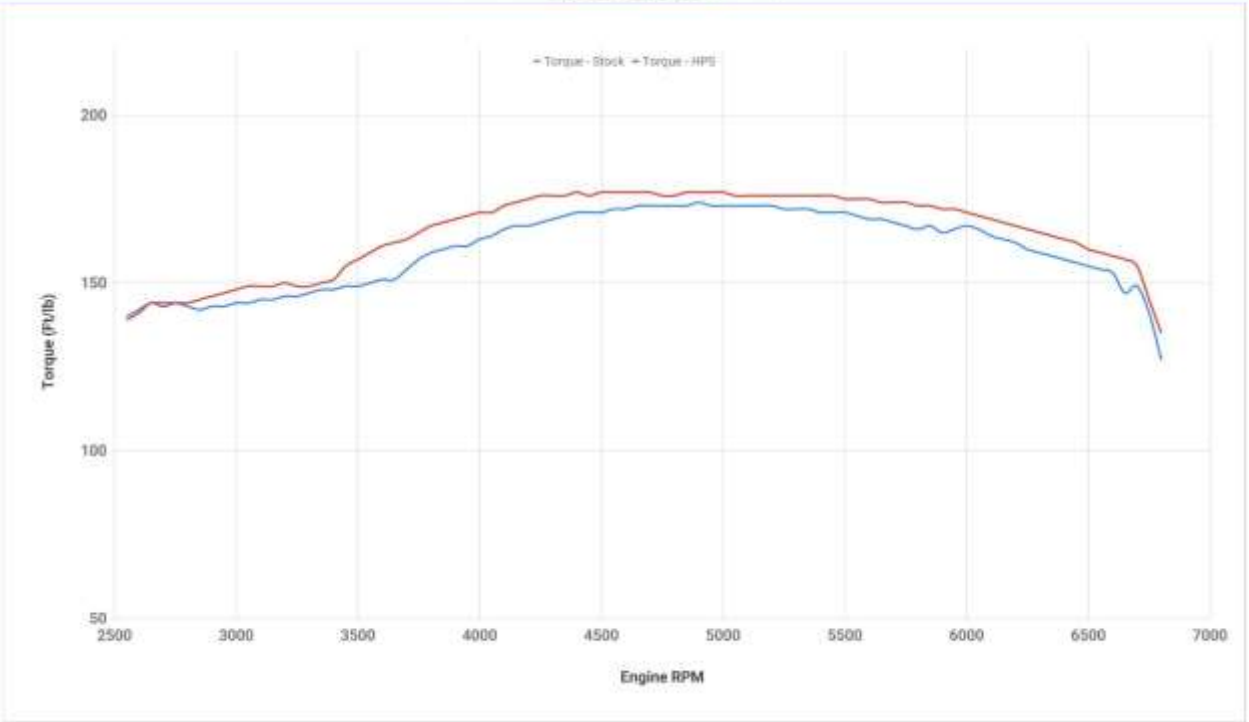
HPS Performance Air Intake Kit with Heat Shield
2018-2024 Toyota Camry 2.5L GAS
2019-2025 Toyota RAV4 2.5L GAS
Part Number: 827-798

Maximum Horsepower Gains = 7 whp @ 6500 rpm



HPS Performance Air Intake Kit with Heat Shield
2018-2024 Toyota Camry 2.5L GAS
2019-2025 Toyota RAV4 2.5L GAS
Part Number: 827-798

Maximum Torque Gains = 5 ft/lb @ 6500 rpm



Also available for
2018-2024 Toyota Camry 2.5L & 2019-2025 Toyota RAV4 2.5L

	**HPS Performance Replacement Air Filter** **For Intake Kit 827-798** **Part Number HPS-4276**
	**HPS Aluminum Oil Cap** **Part Number 5269-105**
	**HPS Stainless Steel Radiator Cap** **Part Number 2068-38N**
	**HPS Magnetic Oil Drain Plug** **Part Number MDP-M12x125**

	**HPS Performance Air Filter Cleaning Kit** **Part Number HPS-AFRC**

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