



Performance Shortram Air Intake Kit

Part Number: 827-693

2007-2009 Toyota Camry 2.4L 4cyl 2AZ-FE

Installation Instructions

For technical inquiries please email us at tech@hpsperformanceproducts.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.

Bill of Materials

Kit Number:827-693

Description	Prep	Part Number	Qty	Check
Intake Pipe	1	529-401	1	
Heat Shield	2	531-607	1	
Heat Shield Lid	2	531-608	1	
HPS Air Filter	3	HPS-4302	1	
Velocity Stack, 3.50" to 6.00"	4	HW-VS-350-600	1	
Silicone Reducer, 2.5" - 3.0", 2.5" Length	4	P3SR-250-300-L25	1	
Silicone Reducer, 3" - 3.5", 3" Length	4	P3SR-300-350-L3	1	
5/8" EPDM Hose, 9.5" Long	4	EPDM-062	1	
Embossed Clamp for 2.5" ID Hose	4	EMSC-60-80	1	
Embossed Clamp for 3" ID Hose	4	EMSC-70-90	2	
Embossed Clamp for 3.5" ID Hose	4	EMSC-80-100	1	
Embossed Clamp for 5/8" ID Hose	4	EMSC-12-22	2	
L Bracket	4	529-128	1	
Rubber Vibration Mount, M6 x 1" Tall	4	HW-RM6-100	1	
Rubber Vibration Mount, M6 x 1/2" Tall	4	HW-RM6-50	2	
M4 Allen Bolts x M8 long	4	HW-B4-10	2	
5mm Bolt 12mm Length	4	HW-B5-12	5	
6mm Flange Bolt 12mm Length	4	HW-B6-12	3	
6mm Flat Washer x 16mm OD	4	HW-FW6L	6	
6mm Flange Nut	4	HW-N6	3	
Thin edge trim, 11" Length	4	THIN EDGE TRIM	1	

- Before installing any parts of this intake system, please read the instructions thoroughly.
- Verify the contents of this intake kit before disassembling your vehicle.
- **DO NOT INSTALL IF ANY PARTS ARE MISSING OR DAMAGED. CONTACT tech@hpsperformanceproducts.com IMMEDIATELY. WE ARE NOT RESPONSIBLE FOR ANY DAMAGE CAUSED DUE TO IMPROPER INSTALLATION.**
- Installation requires moderate mechanical skills. A qualified mechanic is highly recommended.
- Do not attempt to install the intake system while the engine is hot.
- This installation may require removal of coolant lines that may be hot.
- For technical inquiries, please e-mail us at tech@hpsperformanceproducts.com

PLEASE READ CAREFULLY BEFORE INSTALLATION!

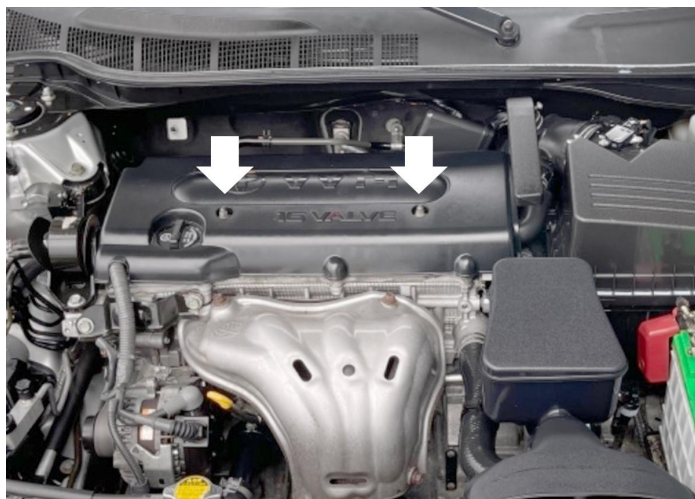
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

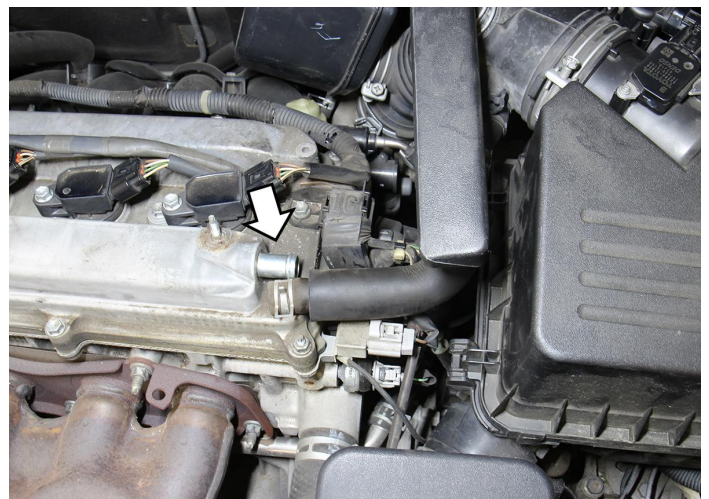
GETTING STARTED

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 vehicles' 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.



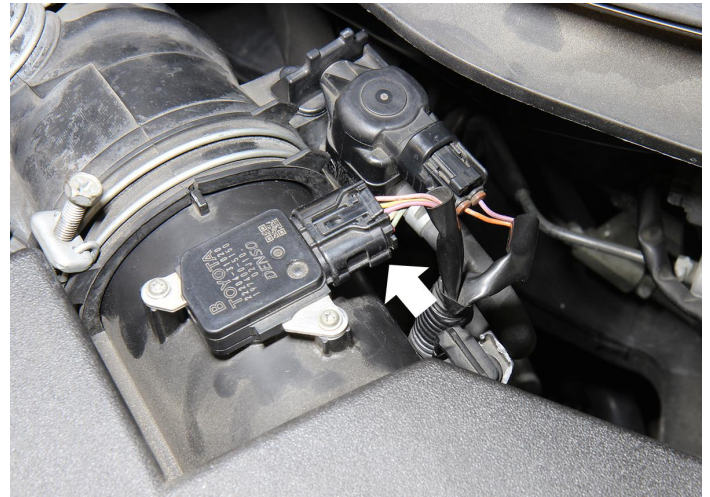
2. Use a 10mm socket to remove the 2 bolts then remove the plastic cover from the engine.



3. Disconnect the PCV hose from the valve cover.



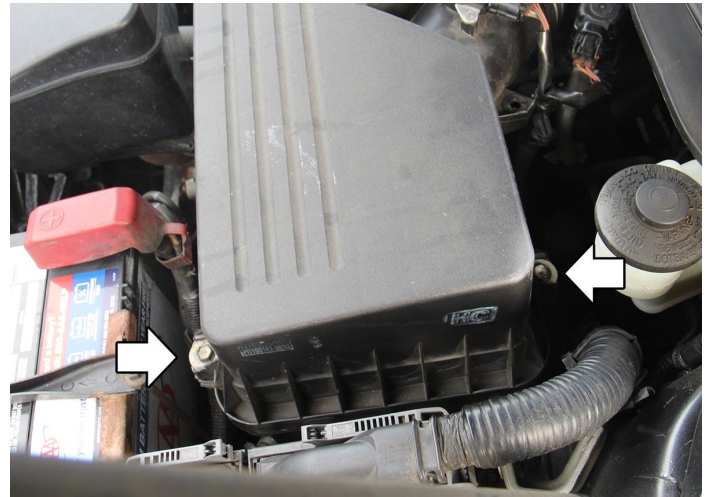
4. At the throttle body, use needle nose pliers to depress the spring clamp. While depressing the clamp, pull up on the intake hose to remove it from the throttle body.



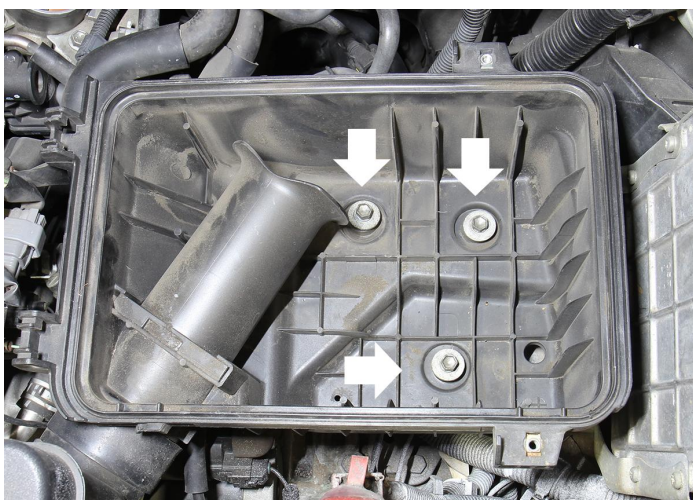
5. Disconnect the MAF sensor.



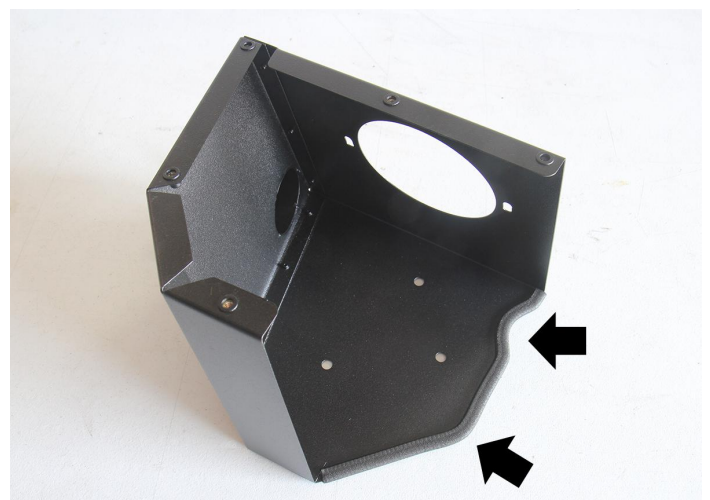
6. Use a phillips screwdriver to loosen and remove the EVAP valve from the intake hose.



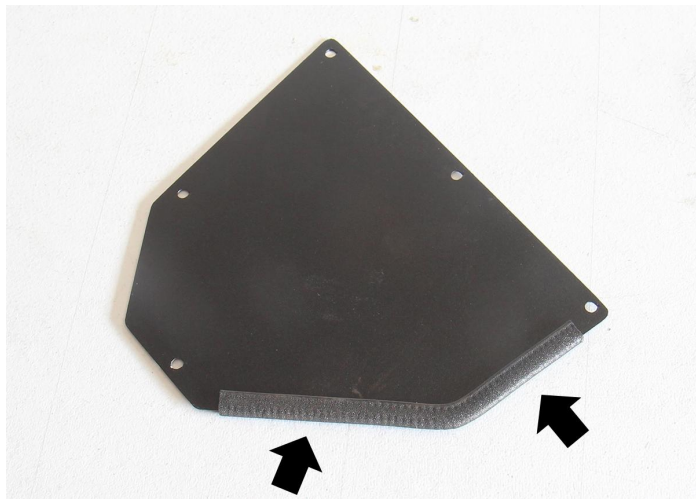
7. Use a 10mm socket to loosen the 2 bolts on the factory air box. Once loosened, the entire upper airbox and intake hose can be removed from the vehicle.



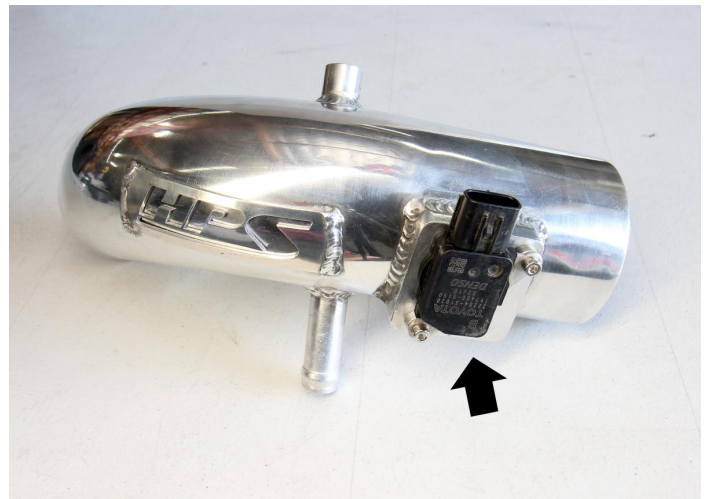
8. Remove the air filter and loosen the 3 bolts to remove the lower air box from the engine bay.



9. Prep the heat shield for installation. Cut the edge trim to 10.5" and line the edge of the base as shown.



10. Line the edge shown on the heat shield lid using the remaining section of edge trim.



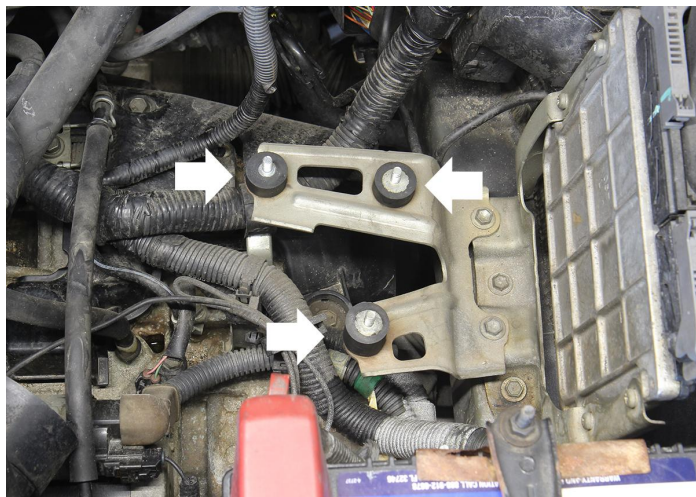
11. Transfer the MAF sensor from the stock air box onto the HPS intake pipe and secure it with the M4 screws provided.



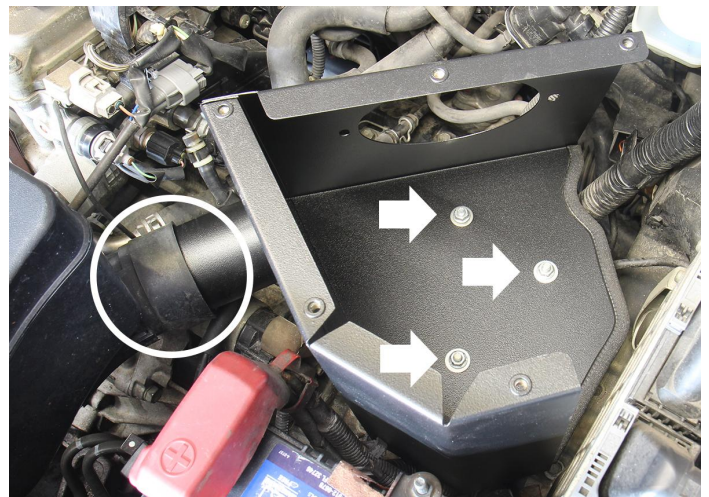
12. Install the silicone reducers onto the intake pipe as shown. Tighten the hose clamps onto the intake pipe.



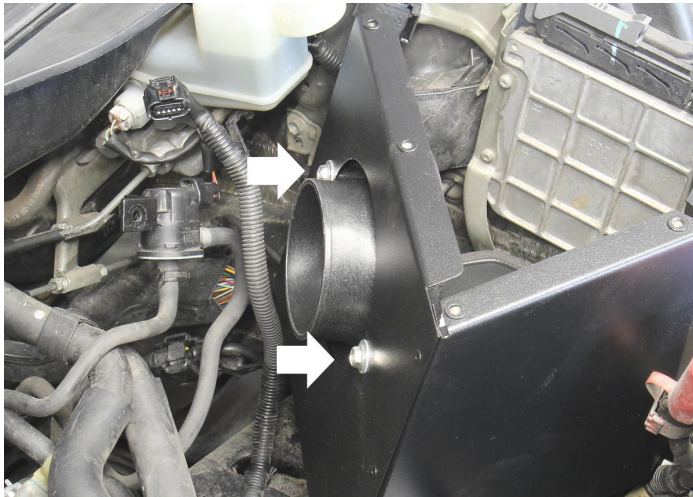
13. Install the L bracket onto the EVAP valve using the original phillips head screw.



14. Install 2 short vibration mounts at the rear and the long vibration mount at the front of the original air box bracket.



15. Place the heat shield into the engine bay. Slide the air duct in place. Secure the heat shield using the provided M6 washers and nuts.



16. Install the velocity stack onto the heat shield using the provided M6 washers and bolts.



17. Carefully slide the HPS air filter in place and secure it to the velocity stack.



18. Place the intake pipe on its side into the engine bay and fasten the L bracket and EVAP valve onto the intake pipe.



19. Slip the silicone reducers into position on the throttle body and velocity stack, then fasten the clamps to secure the pipe.



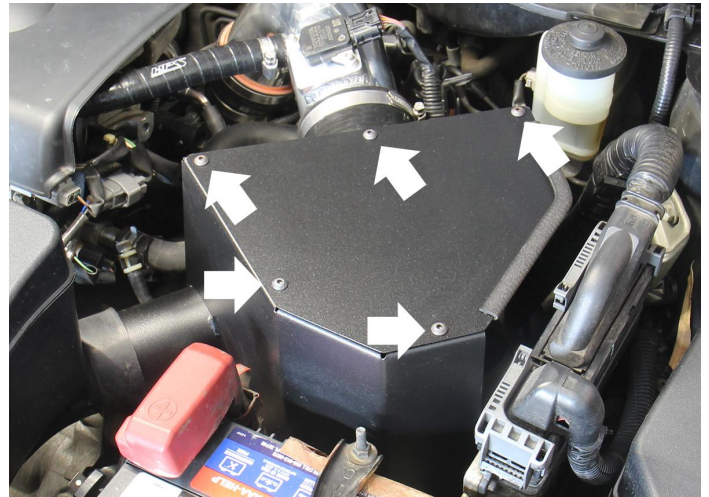
20. Reconnect the MAF sensor.



21. Connect the provided EPDM hose in between the valve cover and intake pipe then secure the hose using the provided hose clamps.



22. Reinstall the plastic engine cover.



23. Install the lid onto the heat shield using the provided M5 screws.

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.

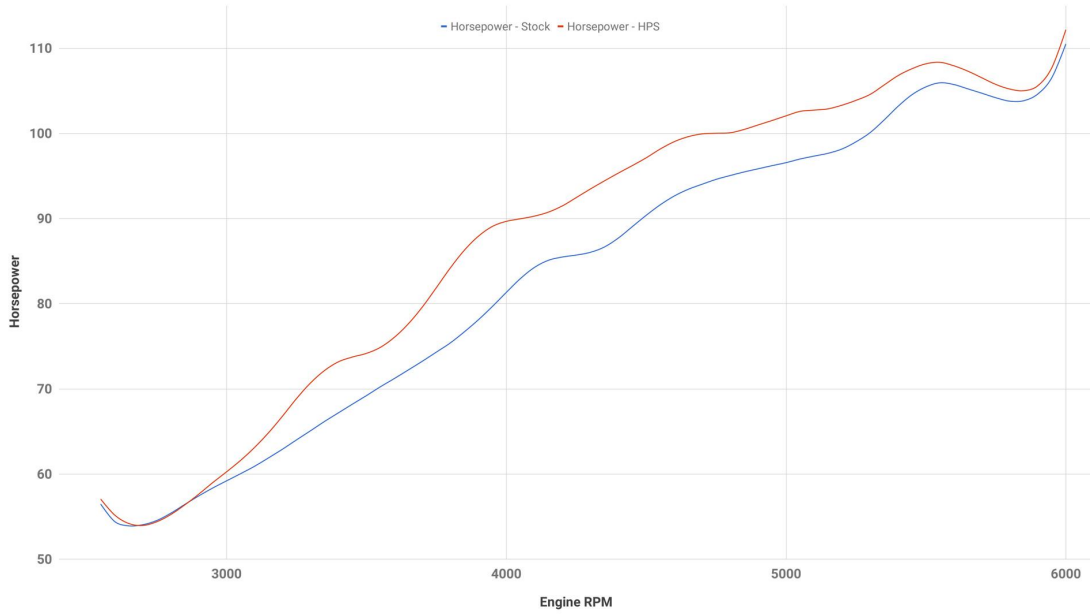
Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles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

Periodically, recheck the alignment of the intake system 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 (827 Series)
2007-2009 Toyota Camry 2.4L (2AZ-FE)
Part Number: 827-693

Maximum Horsepower Gains = 9.9 whp @ 3900 rpm



HPS Performance Air Intake Kit with Heat Shield (827 Series)
2007-2009 Toyota Camry 2.4L (2AZ-FE)
Part Number: 827-693

Maximum Torque Gains = 13.3 ft/lb @ 3900 rpm

