



# **Performance Shortram Air Intake Kit Part Number: 827-691**

## **Toyota 2012-2017 Camry 2.5L 4cyl**

### **Installation Instructions**

For technical inquiries please email us at [tech@hpsperformanceproducts.com](mailto: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 Material

## Part Number: 827-691

Description	Prep	Part Number	Qty	Check
Intake Pipe	1	529-118	1	
Heat Shield	2	531-604	1	
Heat Shield Lid	2	531-605	1	
3" HPS Performance Air Filter	4	HPS-4276	1	
Intake Bracket	5	530-119	1	
Sensor Bracket	5	530-120	1	
"L" Bracket for Heat Shield	5	530-241	1	
"L" Bracket for Heat Shield	5	530-284	1	
"Z" Bracket for Heat Shield	5	530-25	1	
3" Silicone Coupler x 2.5" Long	6	P3SC-300-L25	1	
T-Bolt Clamp for 3.00"	6	SSTC-79-87	2	
Rubber Vibration Mount M6 x 1" Tall	6	HW-RM6-100	1	
Rubber Vibration Mount M6 x 1/2" Tall	6	HW-RM6-50	1	
6mm Flat Washer x 16mm OD	6	HW-FW6L	8	
6mm Flange Bolt x 12mm Long	6	HW-B6-12	6	
4mm Bolt x 8mm	6	HW-B4-8	2	
5/16" Vacuum cap	6	HW-VC-032	1	
M6 Flange Nut	6	HW-N6	5	
M5 Bolt x 12mm Long	6	HW-B5-12	9	
5mm Flat Washer	6	HW-FW5S	1	
8mm Flat Washer	6	HW-FW8S	1	
M6 heat shield rubber grommet mount bung	6	HSM-M6-1028	1	
Thin Edge Trim x 13" Long	6	Thin Edge Trim	1	
Thin Edge Trim 5.5" Long	6	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](mailto: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](mailto:tech@hpsperformanceproducts.com)**
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### **PLEASE READ CAREFULLY BEFORE INSTALLATION!**

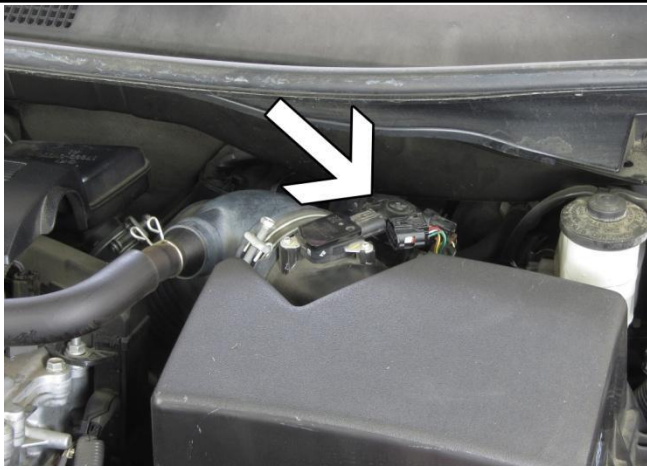
This installation is not for the novice customer. Install this system with EXTREME caution! Misuse of this product can destroy your engine! If you are not well versed in the installation of intakes and if you are not mechanically inclined, please have a tuner shop install this kit.

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

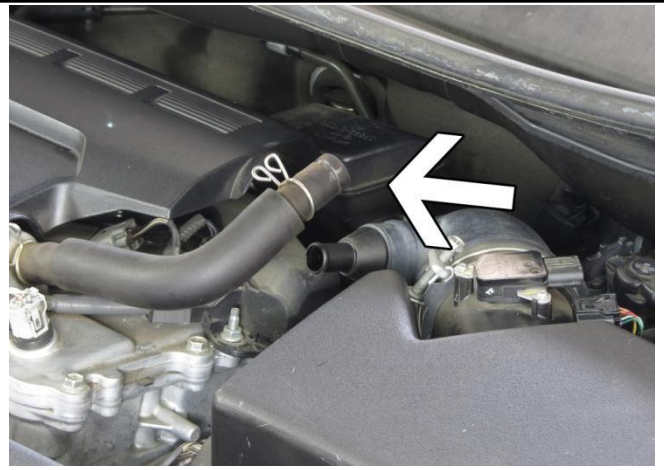
### **GETTING STARTED**

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.

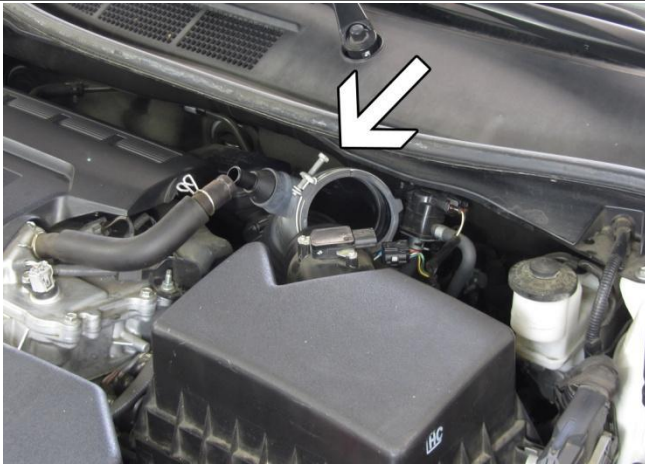


2. Disconnect the mass air flow (MAF) sensor harness. You will also need to disconnect the sensor harness from the air box.

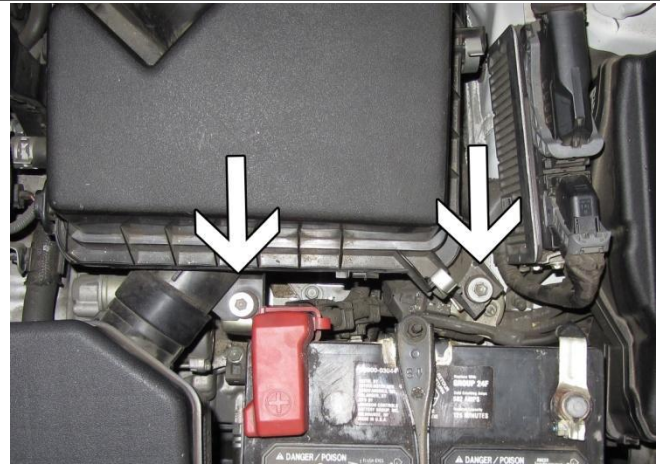


3. Disconnect the breather hose from the intake hose.





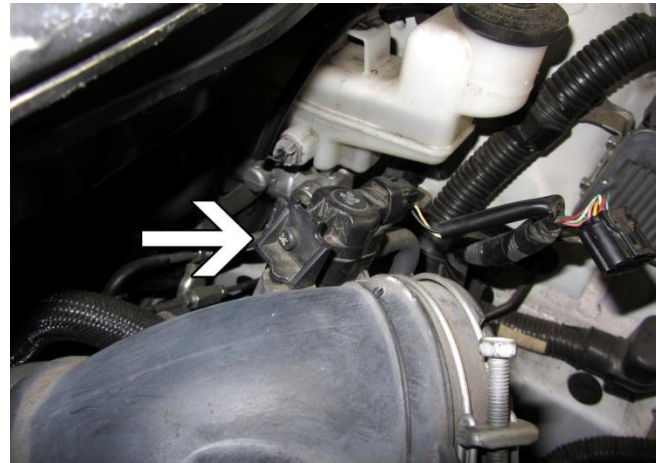
4. Use a 10mm socket or Philips (cross) screwdriver to loosen the hose clamp on the air box. Once it is loosened, you can separate the intake hose from the air box.



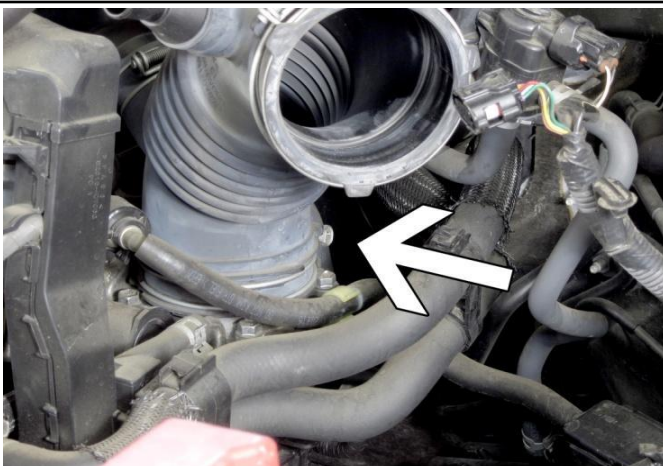
5. Use a 10mm socket to remove the two bolts securing the air box located behind the battery.



6. Remove the air box from the engine bay.



7. Use a Philips screwdriver to remove the evap. sensor from the intake hose. Save the factory screw for use later in the installation.

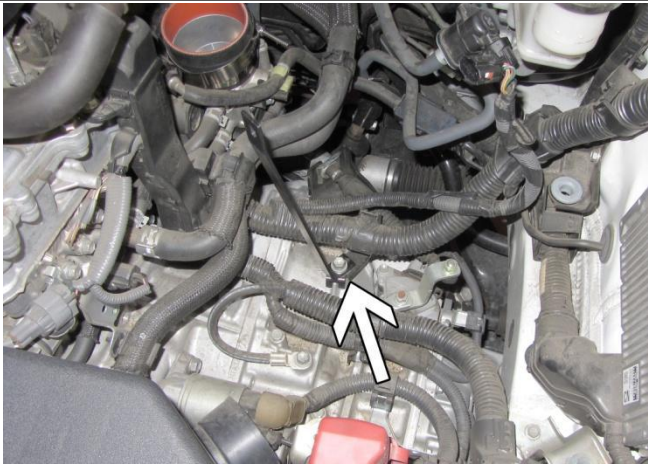


8. Loosen the hose clamp from the intake hose on the throttle body, then remove the intake hose from the engine bay



9. Install the HPS coupler onto the throttle body along with the provided T-bolt clamps.

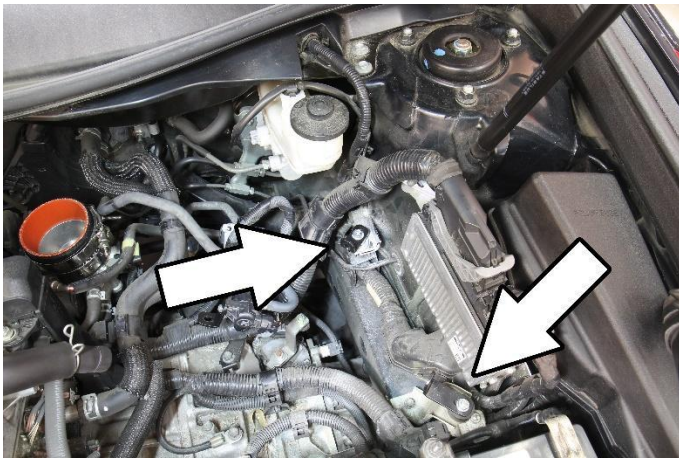




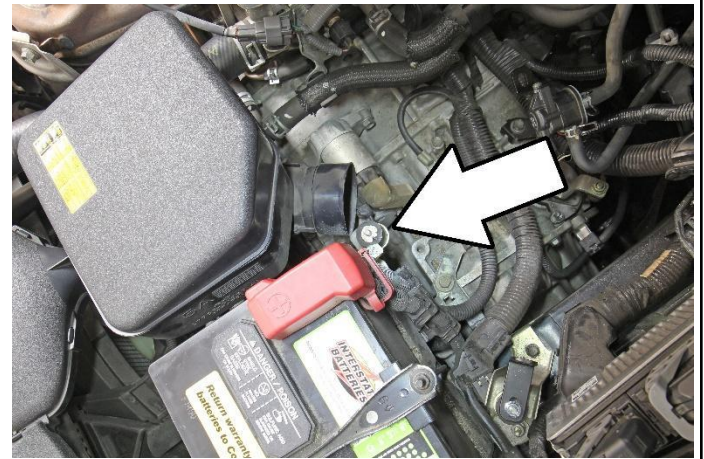
10. Remove the indicated bolt located on the transmission and install the intake bracket reusing the factory bolt.



11. Install and secure the smaller "L" bracket onto the provided M6 bung using a M6x12 bolt and washer. Loosely install the larger "L" bracket onto the 1/2" vibration mount using a nut and washer.



12. Insert the M6 bung and bracket into the factory air box mounting grommet. Insert the 1/2" vibration mount into the factory air box mount near the ECU.



13. Insert the 1" vibration mount into the factory air box mount near the air duct.



14. Remove the MAF sensor from the stock air box and transfer it over to the HPS intake pipe. Use the included 4mm Allen bolts to secure it to the pipe.



15. If your vehicle has an additional hose, install it onto the intake pipe. If your vehicle does not have the additional hose, use the 5/16" vacuum cap included in the it to block it off.





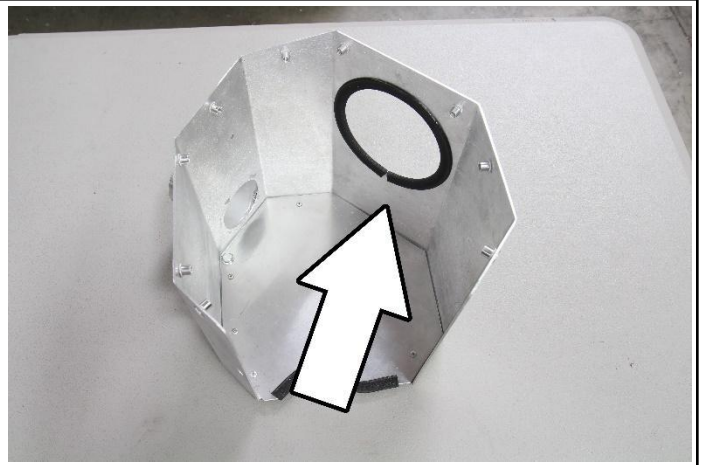
16. Install and secure the "L" bracket onto the evap. sensor reusing the factory screw.



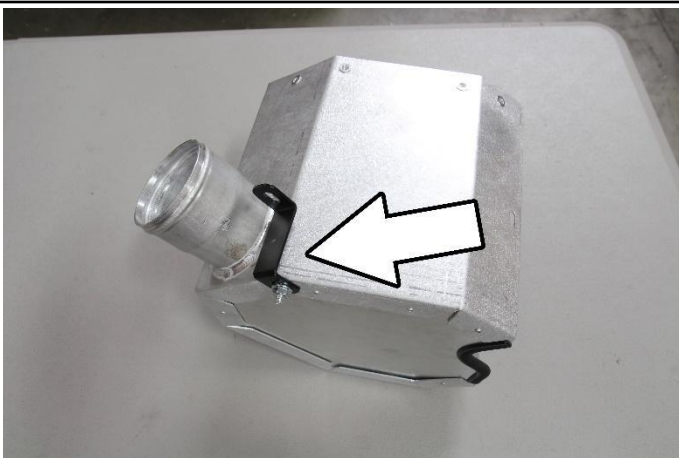
17. Insert the HPS intake pipe into the coupler, but do not secure the intake bracket or the T-bolt clamp at this time. Install the sensor bracket onto the pipe using a M6x12mm bolt and washer.



18. Insert the factory breather hose onto the HPS intake barb.



19. Install the provided edge trim onto the HPS heat shield opening.



20. Install and secure the "Z" bracket onto the bottom of the heat shield as shown above using a M6x12mm bolt, nut, and washers.



21. Insert the heat shield into the vehicle, then secure all the brackets to the heat shield using the provided M6x12mm bolts, nuts, and washers. Adjust the HPS intake pipe into position and secure the intake pipe to the bracket.



22. Install the provided HPS performance air filter.



23. Install the heat shield lid onto the heat shield using the provided three M5x12mm bolt, then install the thin edge trim onto the area shown.

### 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.

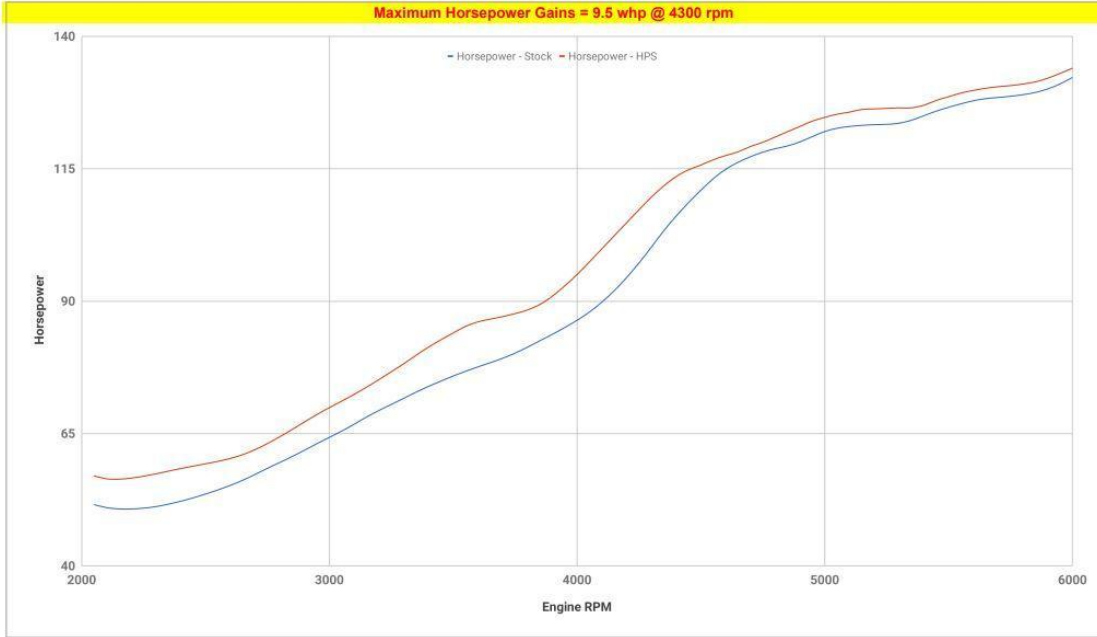
Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles 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 Cold Air Intake Kit (837 Series)  
2012-2017 Toyota Camry 2.5L  
Part Number: 827-524

Maximum Horsepower Gains = 9.5 whp @ 4300 rpm



HPS Performance Cold Air Intake Kit (837 Series)  
2012-2017 Toyota Camry 2.5L  
Part Number: 827-524

Maximum Torque Gains = 6.1 ft/lb @ 4500 rpm

Tested vehicle: 2016 Toyota Camry 2.5L

