



# **Performance Shortram Air Intake Kit**

## **Part Number: 827-169**

**Toyota 2005-2020 Tacoma 2.7L 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 Materials

## Part Number: 827-169

Description	Prep	Part Number	Qty	Check
Intake Pipe	1	529-8	1	
HPS Performance Air Filter	2	HPS-4275	1	
Intake Bracket	3	530-10	1	
Sensor Bracket	3	530-9	1	
Heatshield	4	531-395	1	
T-Bolt Clamp for 2 3/4" Hose	5	SSTC-76-84	2	
2.75" Straight Coupler x 3" Long	5	P3SC-275-L3	1	
15.9mm Vacuum Hose x 6.25" Long	5	HTSVH159-BLK	1	
4mm Vacuum Hose x 11" Long	5	HTSVH4-BLK	11"	
6mm Flange Bolt x 12mm long	5	HW-B6-12	4	
6mm Flange Bolt x 16mm long	5	HW-B6-16	2	
6mm Flat Washer 16mm OD	5	HW-FW6L	9	
6mm Flange Nut	5	HW-N6	1	
4mm Allen Bolts x 8mm long	5	HW-B4-8	2	
Rubber Vibration Mount M6 x 1" Tall	5	HW-RM6-100	1	
Thin Edge Trim x 12" inches	5	Thin Edge Trim	1	
Bubble Edge Trim x 50" inches	5	Bubble Edge Trim	1	

- Please read instructions thoroughly before installing any parts of this intake system.
- 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 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)

## **PLEASE READ CAREFULLY BEFORE INSTALLATION!**

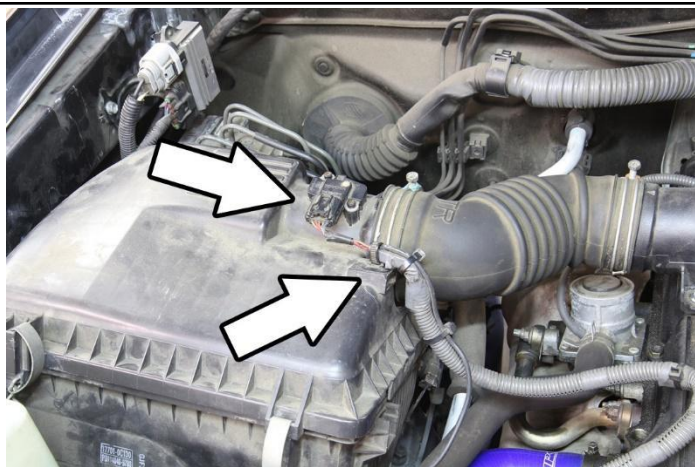
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

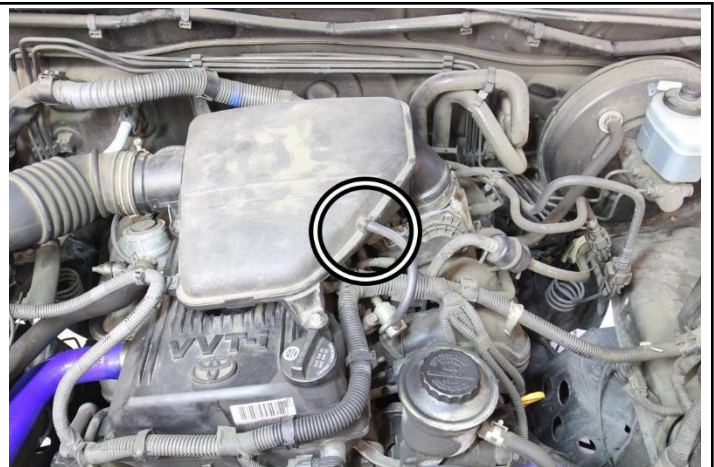
## **GETTING STARTED**

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.

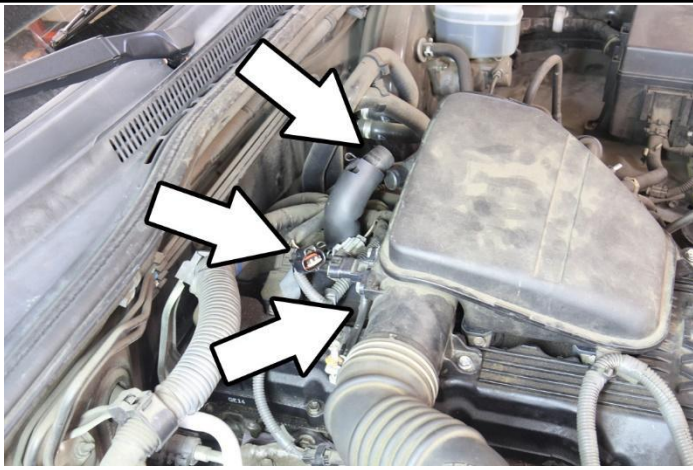
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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 Mass Air flow sensor harness from the MAF sensor. Unclip the electrical harness from the upper air box assembly.



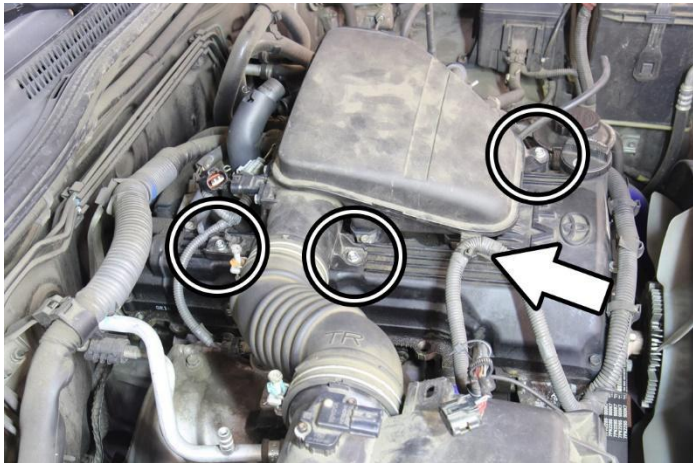
3. Disconnect the vent hose from the intake resonator.



4. Disconnect the valve cover vent hose from the stock intake assembly, then disconnect the pressure sensor connector as well as the vacuum hose connected to that sensor.



5. Release the two retaining clips securing the upper air box assembly.



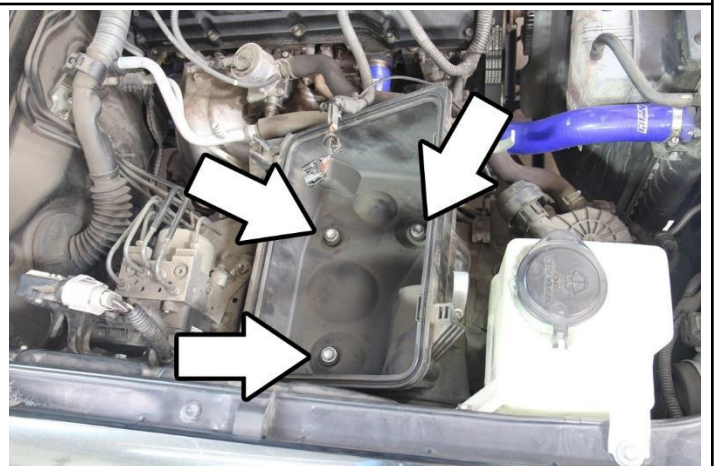
6. Remove the three bolts securing the stock intake assembly.



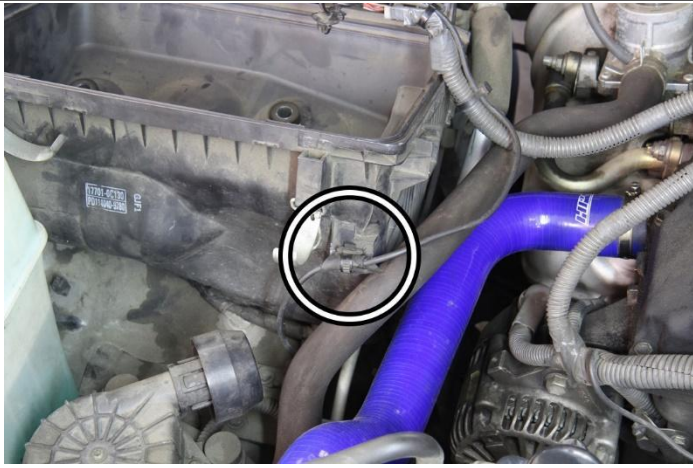
7. Loosen the clamp securing the intake from the throttle body.



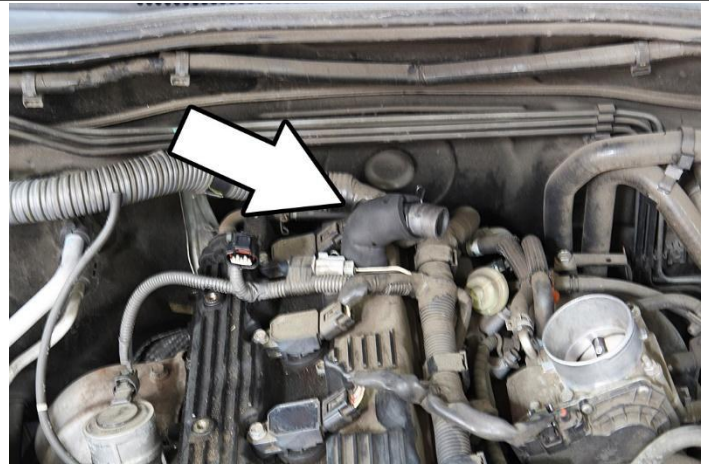
8. Remove the upper air box / intake assembly from the vehicle.



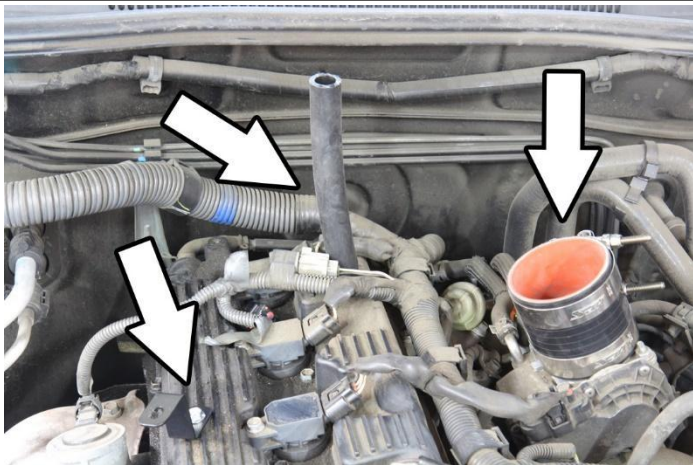
9. Remove the three 12mm bolts securing the lower air box assembly.



10. Unclip the harness connector from the lower air box assembly and remove the lower air box assembly from the vehicle.



11. Remove the stock vent hose from the valve cover.



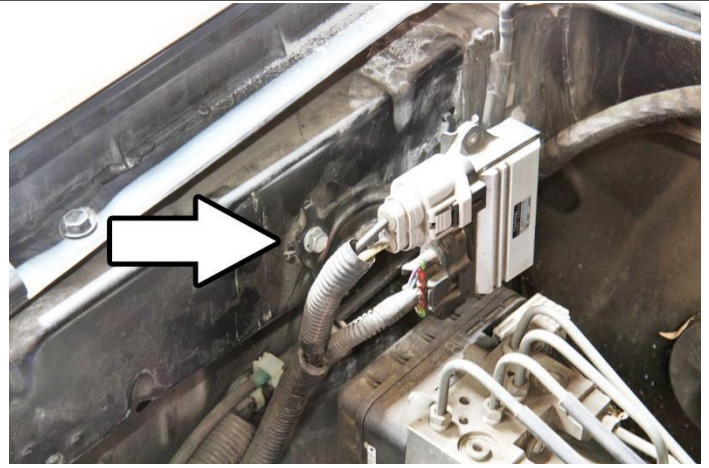
12. Install the silicone coupler along with the provided T-bolt clamps onto the throttle body. Insert the 16mm vacuum hose onto the valve cover vent barb. Install the Z-shaped intake bracket along with a M6 x 12mm and washer onto the stock intake mounting hole located near the 2<sup>nd</sup> ignition coil. \* Do not secure the intake bracket yet because it will need to reposition to align with the intake pipe.



13. Remove the pressure sensor from the stock intake tube.



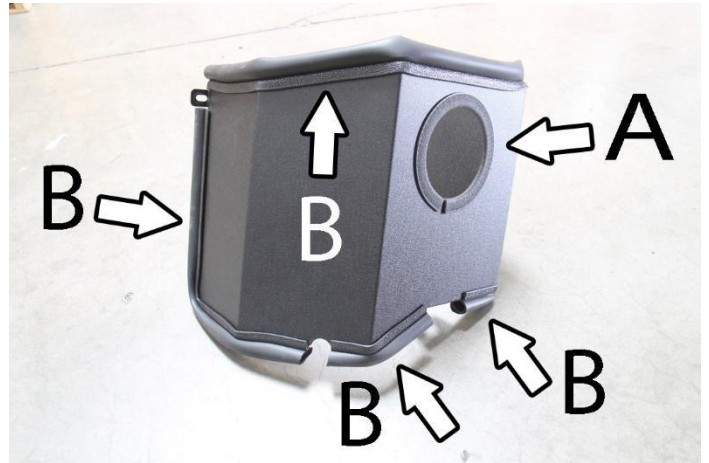
14. Install and secure the sensor onto the provided L-bracket using the two M6 x 16mm, nuts, and washers. Secure the bracket onto the other stock intake mounting hole located near the 3<sup>rd</sup> ignition coil.



15. Remove the 10mm bolt located on the passenger side fender wall.



16. Remove the 10mm bolt securing the washer fluid reservoir and replace it with the provided 1" inch vibration mount.



17. Install the thin edge trim onto the air filter opening (A). Install the bubble edge trim onto the locations shown above (B). \*Note\* Cut the bubble edge trim into 26 inches length, 16 inches, 4.5 inches, and 3.5 inches.



18. Insert the heatshield into the vehicle.



19. Insert the heatshield mounting bracket behind the bracket and secure the heatshield with a M6 x 12mm bolt and washer provided in the kit.



20. Secure the other heatshield mounting bracket onto the vibration mount with a nut and washer.



21. Secure the last heatshield mounting bracket onto the stock air box mounting hole by re-using the bolt securing the lower air box removed from step 9.



22. Install and secure the Mass Air Flow sensor onto the HPS intake pipe using the provided M4 x 8mm allen bolts.



23. Insert the HPS intake pipe into the silicone coupler.



24. Align the intake bracket with the mounting bung on the intake pipe. Once, the intake pipe is aligned with the opening of the heatshield, tighten the bolts securing the bracket to the valve cover, the intake pipe to the bracket, and the T-bolt clamp securing the intake pipe to the coupler.



25. Install the provided 4mm vacuum hose onto the intake barb and insert the 16mm vacuum hose onto the other intake barb.



26. Re-connect the MAF sensor harness connector to the MAF sensor.



27. Install the provided HPS performance air filter onto the intake pipe.

### 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.

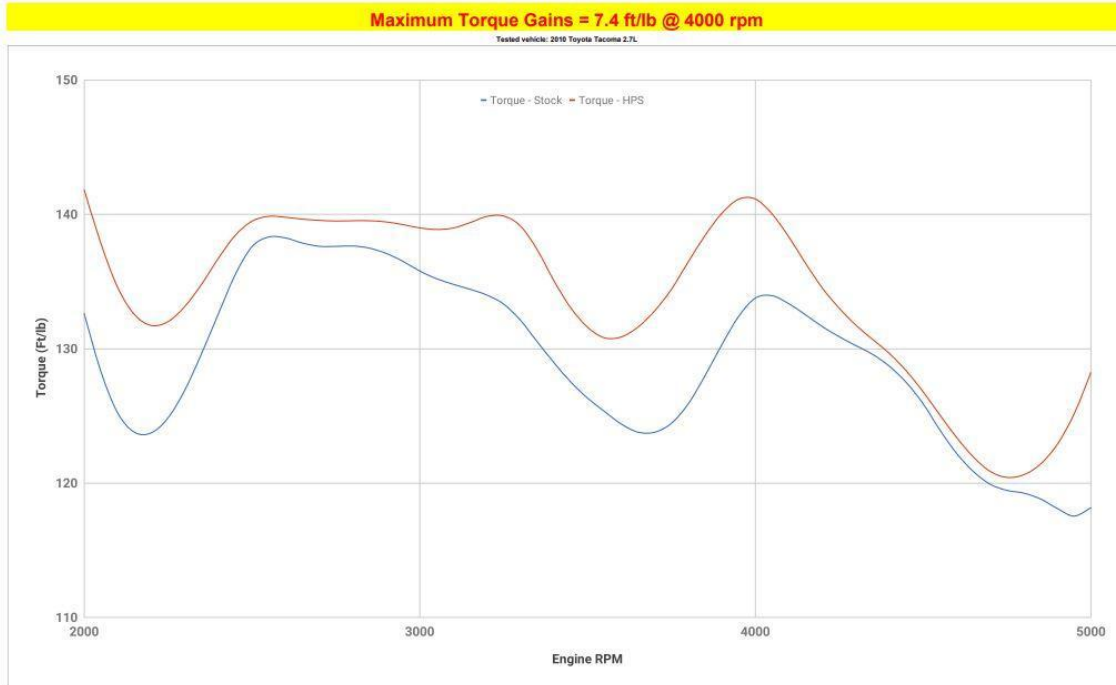
Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles 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  
2005-2019 Toyota Tacoma 2.7L 4Cyl  
Part Number: 827-169



HPS Performance Air Intake Kit with Heat Shield | 827 Series  
2005-2019 Toyota Tacoma 2.7L 4Cyl  
Part Number: 827-169



**HPS Silicone Radiator Hose Kit (Black/Blue/Red) with Stainless Steel Clamps  
is now available for Toyota 2005-2020 Tacoma 2.7L!**



**Part Number: 57-1640 - MSRP: \$200.00**