



## Performance Shortram Air Intake Kit

**Part Number: 827-636**

**1989-1995 Toyota 4Runner 3.0L V6**

**1989-1995 Toyota Pickup 3.0L V6**

## 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

**Kit Number: 827-636**

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-430	1	
Heatshield #1	2	531-432	1	
Heatshield #2	2	531-442	1	
Heatshield Bracket	3	530-431	1	
Resonator Bracket	3	530-435	1	
HPS Performance Air Filter	4	HPS-4276	1	
T-Bolt Clamp for 2.75" Hose	5	SSTC-73-81	4	
2.75" Straight Coupler x 3" Long	5	P3SC-275-L3	1	
2.75" Straight Coupler x 2.50" Long	5	P3SC-275-L25	1	
Clamps for 10MM EPDM Hose	5	EMSC-10-16	2	
Clamps for 14MM EPDM Hose	5	EMSC-12-22	2	
Clamps for 16MM Vacuum Hose	5	EMSC-16-27	2	
10mm EPDM Hose x 17 inches	5	EPDM-039	1	
14mm EPDM Hose x 12 inches	5	EPDM-056	1	
16mm Vacuum Hose x 38 inches	5	HTSVH159-BLK	1	
Edge Trim with Bulb x 44 inches	5	BUBBLE EDGE TRIM	1	
Edge Trim with Bulb x 17 inches	5	BUBBLE EDGE TRIM	1	
M6 Bolt x 16mm Long	5	HW-B6-16	5	
6mm Flat Washer x 16mm OD	5	HW-FW6L	10	
M6 Flange Nut	5	HW-N6	9	
M8 Flange Nut	5	HW-N8	1	
M8 Flat Washer x 16mm OD	5	HW-FW8L	1	
M8 Rubber Vibration Mount x 1" Tall	5	HW-RM8-100	1	
Rubber Grommet (22mm ID)	5	9307K83	2	
MAF Adapter	5	MAF-004	1	

- Report any defective or missing parts to HPS directly. The authorized HPS dealer you purchased this product from might not have the correct parts you need.
- Before installing any parts of this system, please read the instructions thoroughly.
- Installation **DOES** require some mechanical skills. A qualified mechanic is always recommended.
- Do not attempt to install the intake system while the engine is hot.
- The installation may require removal of radiator fluid 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 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.*

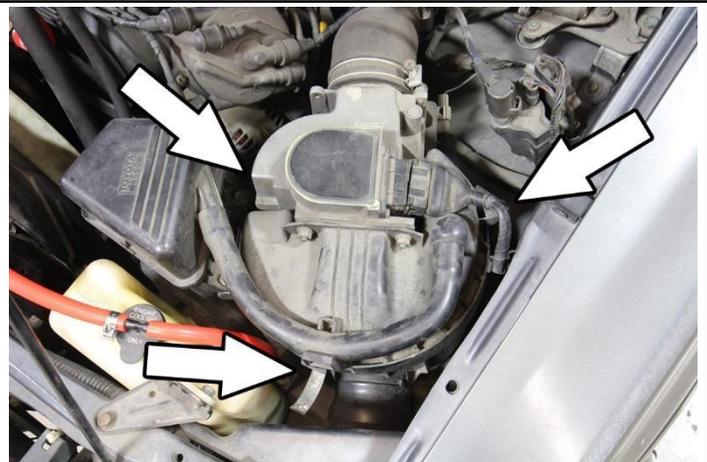
**GETTING STARTED**

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.

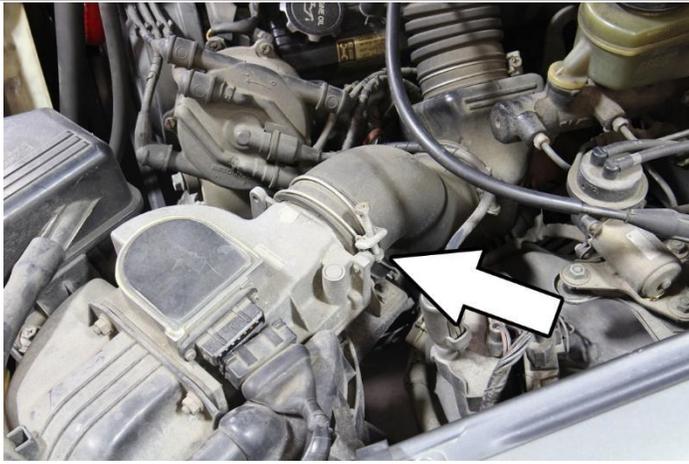
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



2. Release the retaining clips on both sides of the mass air flow sensor connector to disconnect the MAF sensor.



3. Release the three retaining clips securing the upper air box assembly.



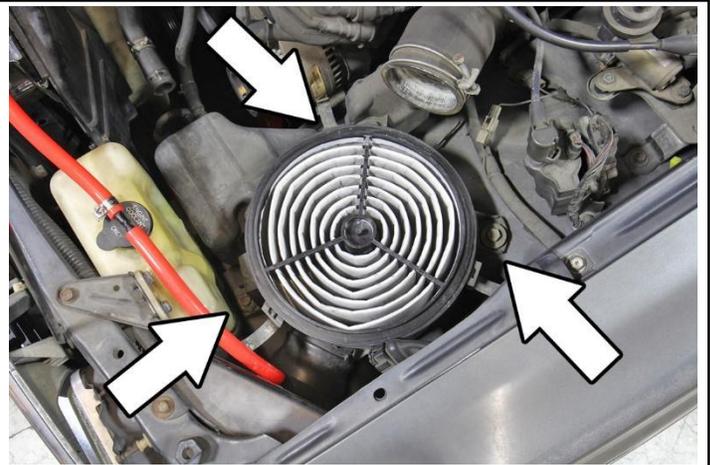
4. Loosen the hose clamp securing the intake tube from the MAF housing.



5. Depress the spring clamps securing the breather hoses from the resonator and disconnect the hoses. Remove the smaller hose completely from the engine.



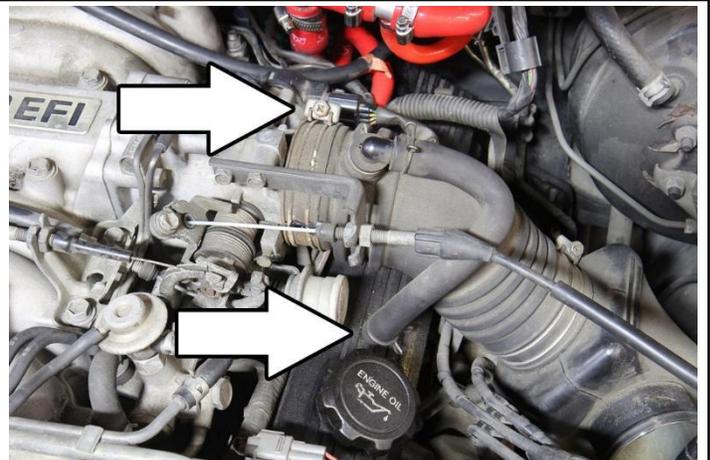
6. Remove the upper air box assembly along with the MAF housing from the vehicle.



7. Loosen the bolts securing the lower air box assembly.



8. Remove the lower air box assembly from the vehicle.



9. Depress the spring clamp and disconnect the crank case hose from the valve cover. Loosen the hose clamp securing the intake tube from the throttle body.



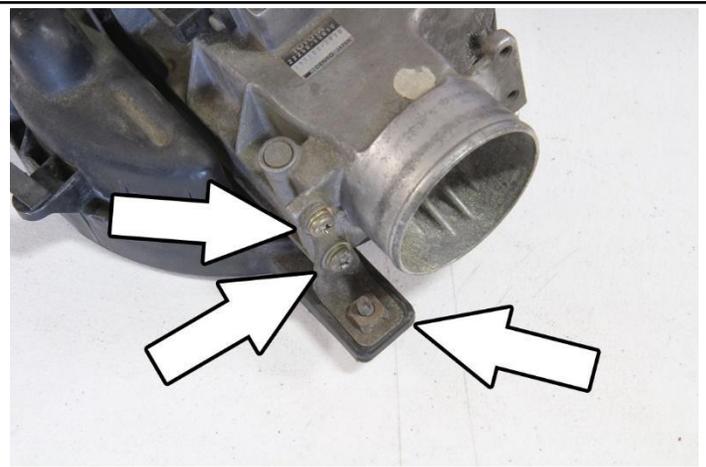
10. Remove the intake tube from vehicle.



11. Disconnect the hose from the resonator and remove the two 10mm bolts from the resonator mount.



12. Disconnect the resonator from the upper air box.



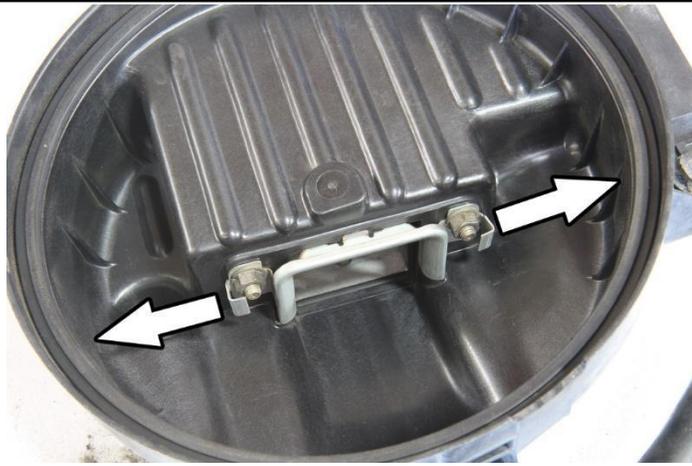
13. Remove the two Philips head screws and the bolt from the MAF housing assembly.



14. Remove the MAF housing bracket.



15. Remove the two 10mm nuts securing the MAF housing from the upper air box.



16. Bend the tabs underneath the upper air box to access the remaining 10mm bolts securing the MAF housing.



17. Disconnect the MAF housing from the upper air box.



18. Install the bubble edge trim onto the heatshield.



19. Insert the MAF housing into the heatshield as shown above.



20. Insert the plastic gasket then the MAF adapter onto the MAF housing. Secure the adapter by using four 10mm nuts. Install the rubber grommets provided in the hardware kit into the heatshield.



21. Install the 2.75" coupler x 2.50" with the provided T-bolt clamps onto the MAF housing outlet.



22. Install and secure the resonator bracket onto the heatshield by using two M6x16mm, washers, and nuts provided in the hardware kit.



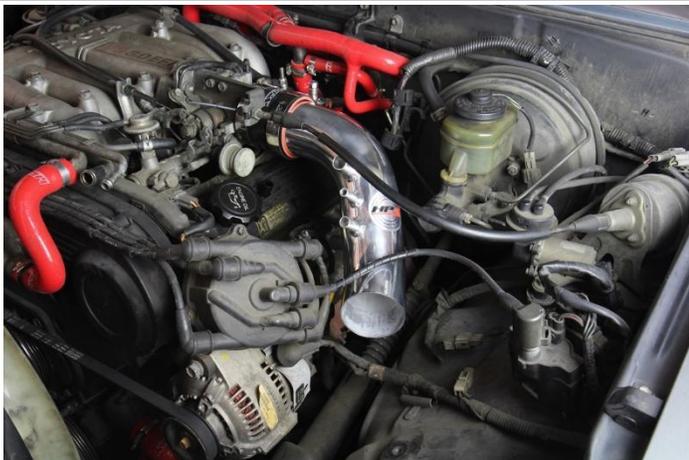
23. Install and secure the stock resonator onto the resonator bracket by using M6x16mm, washers, and nuts provided in the hardware kit.



24. Install the M8 vibration mount into the stock air box mount.



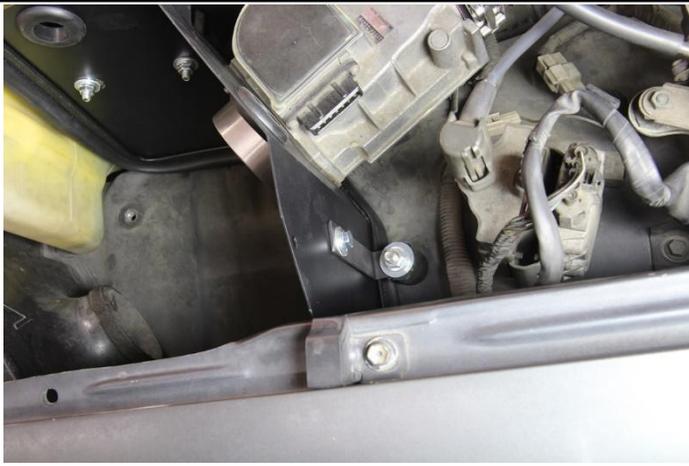
25. Install the 2.75" coupler x 3" onto the throttle body along with the provided T-bolt clamps.



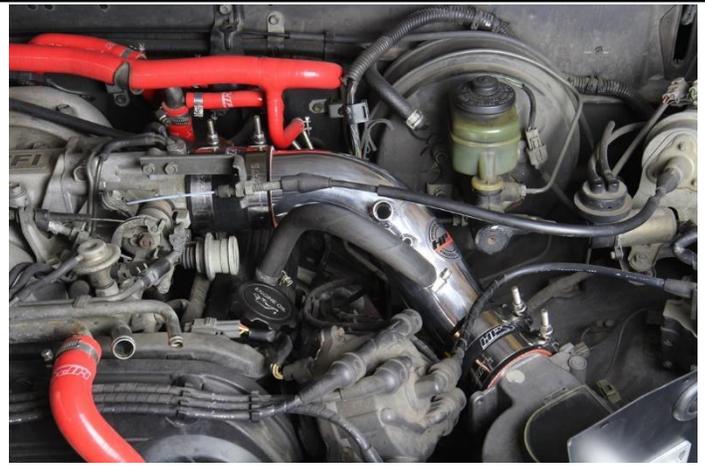
26. Insert the HPS intake pipe into the throttle body coupler. Do not tighten the clamp yet until the pipe is fully adjusted to the proper position.



27. Insert the heatshield into the vehicle and into the HPS intake pipe.



28. Install and secure the bracket to the heatshield and the vibration mount. Once the intake pipe is adjusted to the proper position tighten all the clamps securing the pipe to the couplers.



29. Install and secure the 14mm EPDM hose from the valve cover to the lower intake breather barb using the two EMSC-12-22 clamps provided in the kit.



30. Insert the stock breather hose back onto the resonator. Install and secure the 10mm EPDM hose from the pipe to the middle intake breather barb using the two EMSC-10-16 clamps.



31. Install the HPS performance air filter onto the MAF adapter.



32. Install the 16mm vacuum hose from the resonator outlet into the rubber grommets and onto the remaining intake barb. Secure the hose using the two EMSC-16-27 provided in the hardware kit. \*Note\* It will be easier to insert the hose through the rubber grommets using some type of lubrication such as windex.



33. Insert the bubble edge trim onto the lid of the heatshield.



34. Install and secure the lid onto the heatshield.

### Final Steps

Once the intake has been positioned and checked for clearance, tighten all 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.

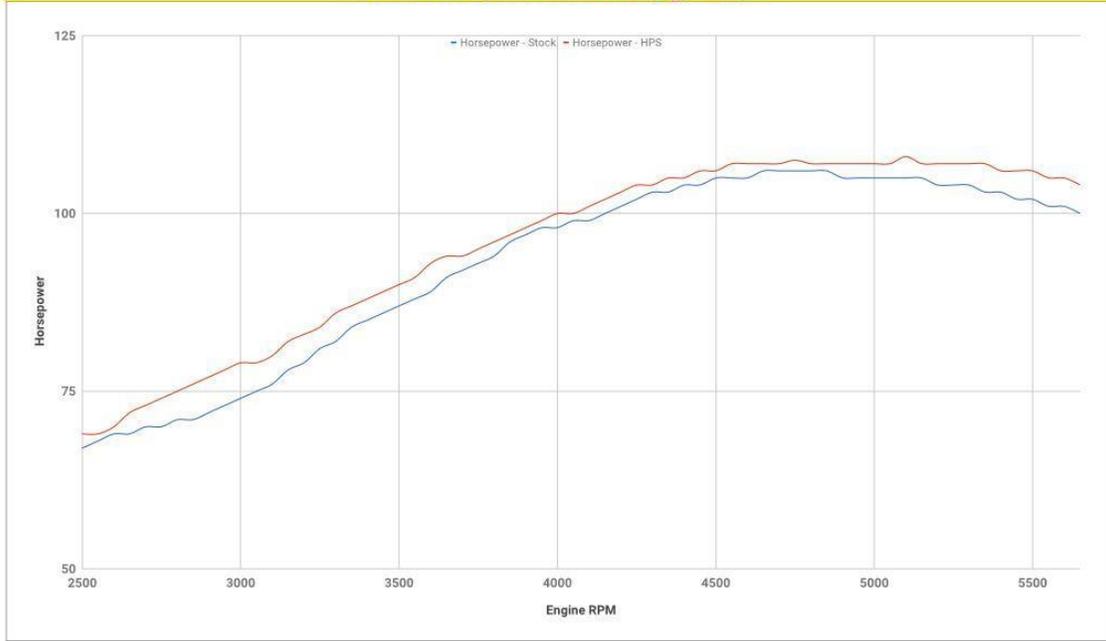
Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving vehicle. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks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



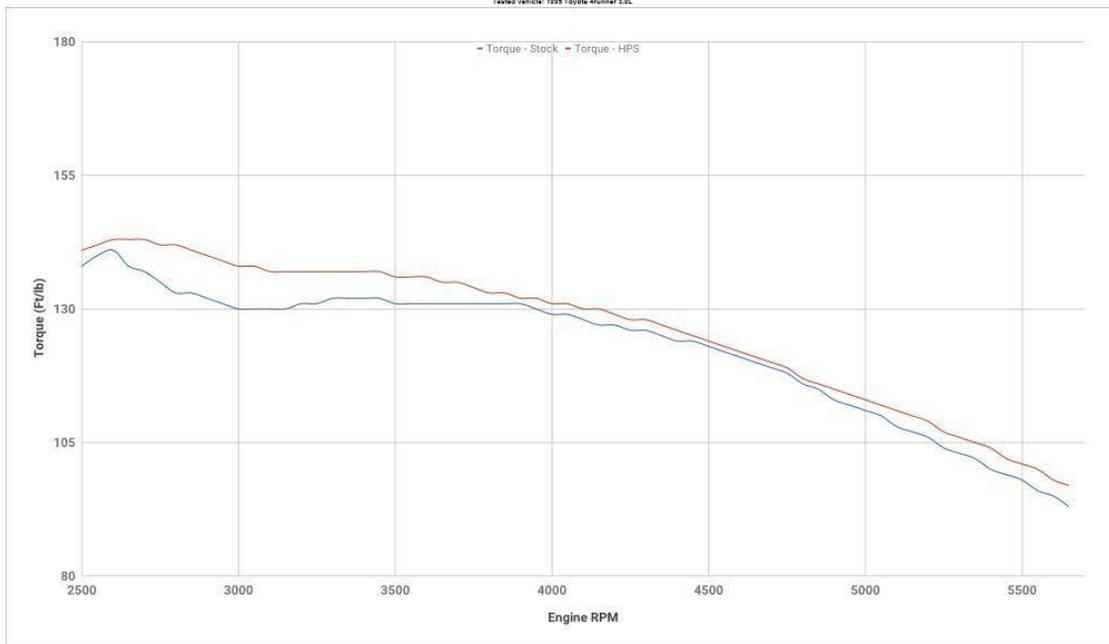
HPS Performance Air Intake Kit with Heat Shield  
1989-1995 Toyota 4Runner 3.0L V6  
Part Number: 27-636

Maximum Horsepower Gains = 5 whp @ 2850 rpm



HPS Performance Air Intake Kit with Heat Shield  
1989-1995 Toyota 4Runner 3.0L V6  
Part Number: 27-636

Maximum Torque Gains = 9 ft/lb @ 2800 rpm





**HPS Silicone Radiator Hose Kit (Black/Blue/Red) with Stainless Steel Clamps  
is now available for 1990-1995 Toyota 4runner 3.0L V6!**

**Part Number: 57-1323R- MSRP: \$150**

**Contact our authorized dealers for the best pricing**

**or**

**Visit our website at [www.hpsperformanceproducts.com](http://www.hpsperformanceproducts.com) for more details**