



Performance Shortram Air Intake Kit

Part Number: 827-523

**05-06 Toyota Tundra 4.7L V8
05-07 Toyota Sequoia 4.7L V8**

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: 827-523

Description	Prep	Part Number	Qty	Check
Upper Air Intake Pipe	1	529-123	1	
HPS Air Filter	2	HPS-4303	1	
Heat Shield	2	531-132	1	
T-Bolt Clamp for 3.5" Hose	3	SSTC-95-103	4	
3.5" Straight Coupler x 2" Long	3	P3SC-350-L2	1	
3.5" 90 Degree Elbow Coupler	3	27-523-Silicone-Elbow	1	
1/2" Breather Hose x 13" Long	3	EPDM-050	1	
6" Velocity Stack to 3.5"	3	HW-VS-350-600	1	
Heat Shield Bracket 45° Bend	3	530-134	1	
Heat Shield Bracket Small	3	530-135	1	
Heat Shield Bracket Medium	3	530-137	1	
Heat Shield Bracket Long	3	530-136	1	
6mm Rubber Vibration Mount x 1/2" Tall	3	HW-RM6-50	1	
6mm Flange Bolt x 12mm Long	3	HW-B6-12	8	
6mm Flange Nut	3	HW-N6	5	
6mm Flat Washer, Large OD	3	HW-FW6L	11	
4mm Allen Head Screw x 8mm Long	3	HW-B4-8	2	

- 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 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.

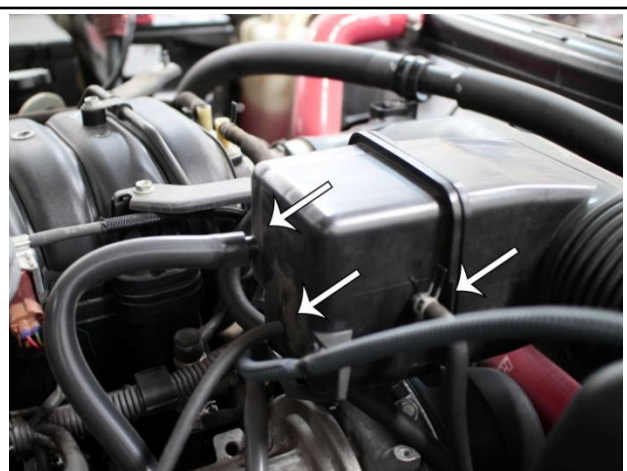
GETTING STARTED

1. Turn the ignition OFF and disconnect the vehicle's negative battery cable. If engine has run within the past two hours let it cool down.

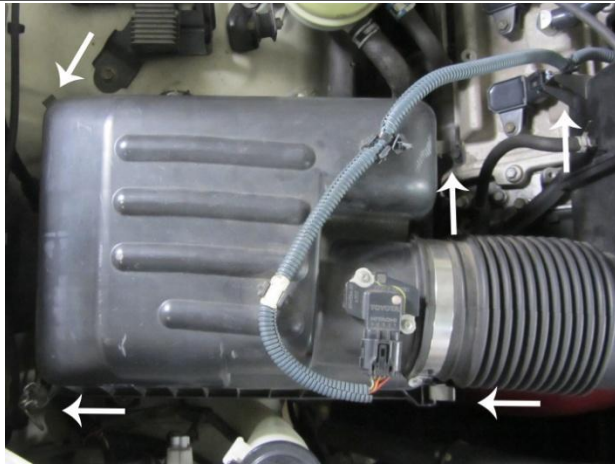
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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. Remove the two nuts securing the engine cover (shown in the top two circles) using a 10mm socket, then remove the cover. Also, remove the bolt securing the power steering hose (shown in the lower circle).



3. Disconnect the 3 vacuum lines from the intake tube.



3. Unplug the Mass Air Flow (MAF) sensor harness, and unclip from the air box assembly. Then, unbuckle the 4 clips securing the upper air box assembly.



4. Use a Flat-head (blade) screwdriver to loosen the clamp securing the intake tube to the throttle body. The intake tube and upper air box can then be removed as one piece.



5. Loosen the 3 bolts securing the lower air box assembly with a 10mm socket, then remove the lower air box assembly from the engine bay.



6. Remove the bolt holding the power steering line bracket to the frame of the vehicle.



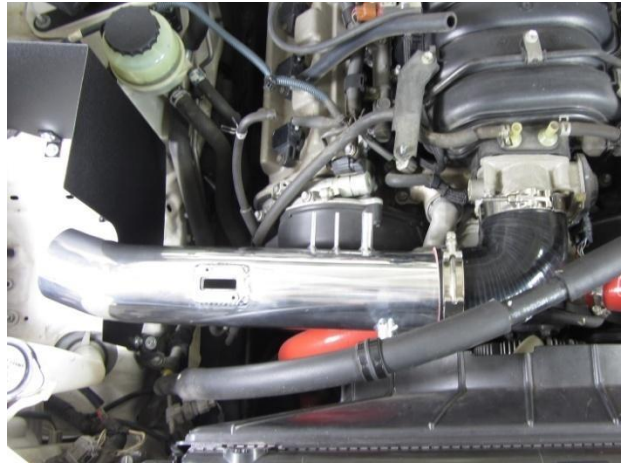
7. Replace the removed bolt from Step 6 with the rubber vibration mount included in the hardware kit.



8. Install the 45° bracket onto the vibration mount using the 6mm washer and 6mm nut included in the kit.



9. Install the smallest and longest brackets into the bolt holes used for the stock air box as shown using a 6mm bolt and washer for each one. Mount the heat shield onto the brackets using a 6mm bolt, a washer on each side, and 6mm nut for each one.



10. Install the 90° silicone elbow onto the throttle body along with a provided T-bolt clamp. Install the HPS intake pipe into the 90° elbow along with another T-bolt clamp.



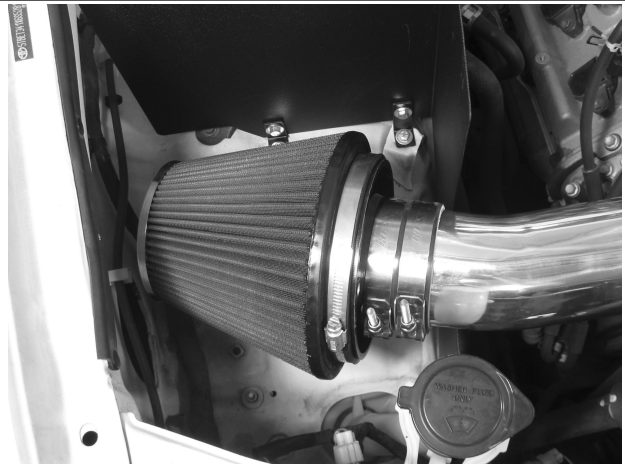
11. Secure the HPS intake pipe onto the heat shield using the medium length bracket, along with 2 6mm bolts, 3 washers, and a 6mm nut from the hardware pack.



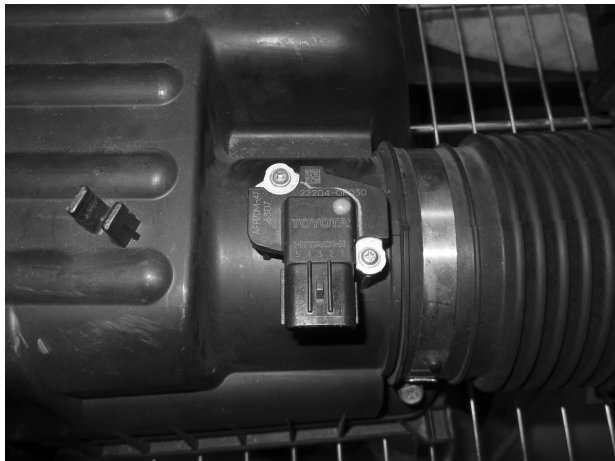
12a. Prepare the air filter for installation by assembling the air filter, velocity stack, straight coupler, and two T-bolt clamps.



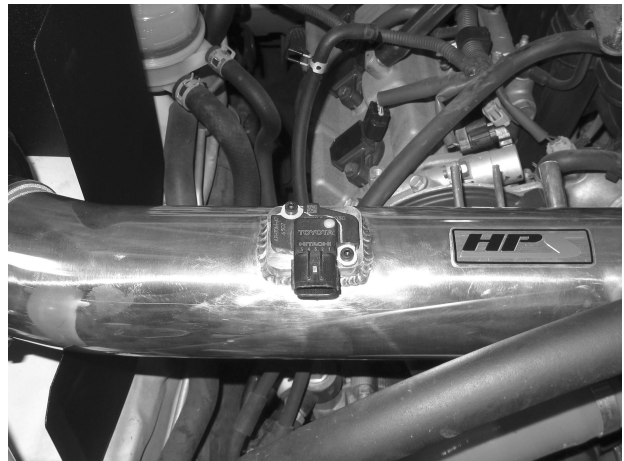
12b. Press the velocity stack into the air filter, then place the silicone copuler onto the velocity stack. Place two T-bolt clamps onto the coupler and make them snug enough that they won't fall off.



13. Press the air filter and coupler onto the HPS intake pipe, and tighten the T-bolt clamps.



14a. Use a Philips (cross) screwdriver to remove the MAF sensor. Carefully remove the sensor from the factory air box.



14b. Carefully insert the MAF sensor into the HPS intake pipe and secure with the provided 4mm allen screws.



15. Remove the Adel clamp and flip it 180° (so that the flat part of the bolt hole is towards the engine and pointing down). Place the clamp back onto the hose and use a provided 6mm bolt to secure the hose to the HPS intake pipe.



16. Replace the valve cover breather hose with the hose included in the hardware pack. Attach the vacuum lines to the HPS intake pipe as shown.



17. Connect the MAF sensor harness to the sensor.

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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 and let the car idle for a few 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 Silicone Hose Kits (Black/Blue/Red) with Stainless Steel Clamps
are now available for 05-06 Toyota Tundra, 05-07 Sequoia 4.7L V8**

Radiator Hose Kit (Part Number: 57-1224)

Heater Hose Kit (Part Number: 57-1340)

Radiator + Heater Hose Kit (Part Number: 57-1425)

Contact our authorized dealers for the best pricing

or

Visit our website at www.hpsperformanceproducts.com for more details