



Performance Air Intake Kit Part Number: 827-583

**2010-2014 Toyota FJ Cruiser V6 4.0L
2010-2020 Toyota 4runner V6 4.0L**

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: 827-583

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-308	1	
Heatshield	2	531-310	1	
HPS Air Filter	3	HPS-4303	1	
Intake "L" Bracket	4	530-309	1	
T-Bolt Clamp for 3.25" Hose	4	SSTC-86-94	1	
T-Bolt Clamp for 3.5" Hose	4	SSTC-95-103	3	
3.25"-3.5"Silicone Reducer x 3" Long	4	P3SR-325-350-BLK	1	
Embossed Clamp for 5/8" EPDM Hose	4	EMSC-16-27	2	
3.5" Silicone Coupler x 2"Long	4	P3SC-350-L2	1	
5/8" EPDM Hose x 8" Long	4	EPDM-062	1	
3.5mm Vacuum Hose x 18" Long	4	HTSVH35-BLK	1	
4mm Allen HeadBolt x 8mm Long	4	HW-B4-8	2	
6mm Bolt 16mm long	4	HW-B6-16	1	
6mm Flat Washer 16mm OD	4	HW-FW6L	2	
6mm Flange Nut	4	HW-N6	2	
8mm Bolt x 16mm Long	4	HW-B8-16	3	
Rubber Vibration Mount 6mm 1/2" Tall	4	HW-RM6-50	1	
8mm Flat Washer 16mm OD	4	HW-FW8S	3	
8mm Flange Nut	4	HW-N8	3	
Velocity Stack 3.5" to 6" Inlet	4	HW-VS-350-600	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 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.

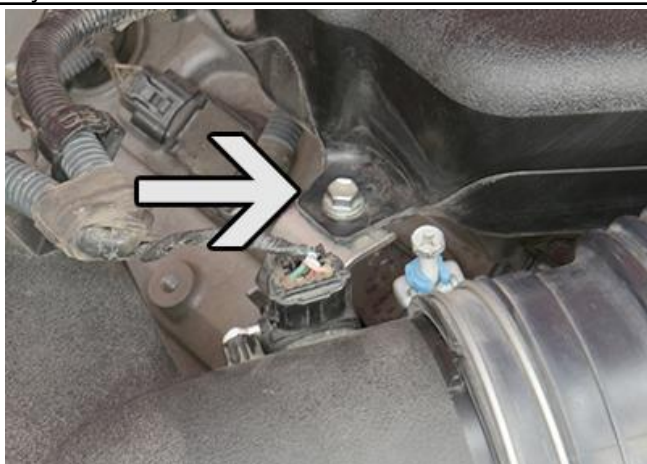
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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.



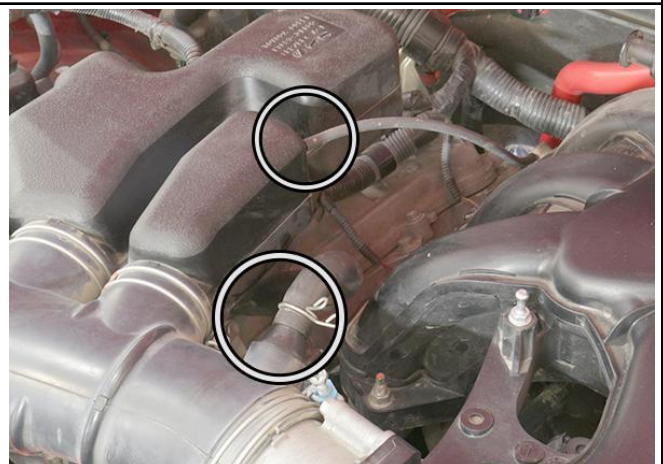
2. Lift and remove the engine cover from the engine bay.



3. Disconnect the Mass Air Flow sensor and the wiring harness from the air box.

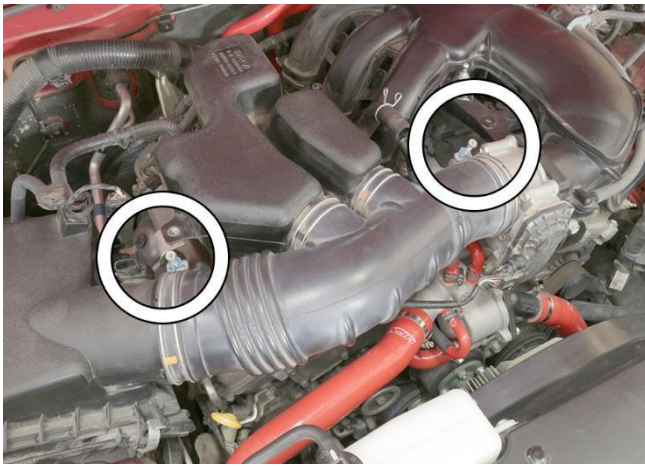


4. Remove the bolt holding the intake tube resonator to the engine using a 10mm socket.

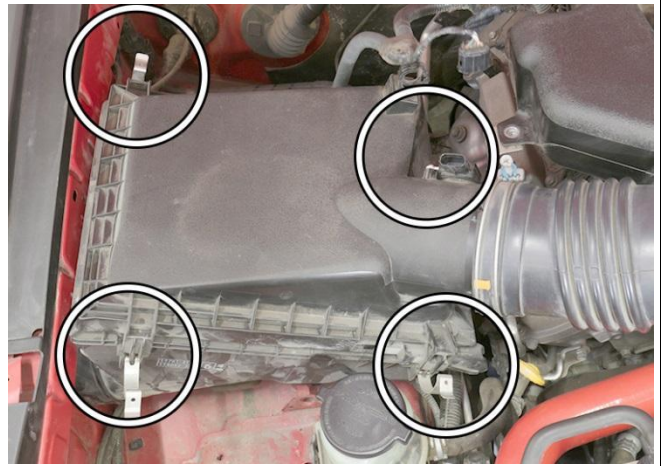


5. Disconnect the breather hose from the intake tube

and unhook the vacuum hose from the resonator.



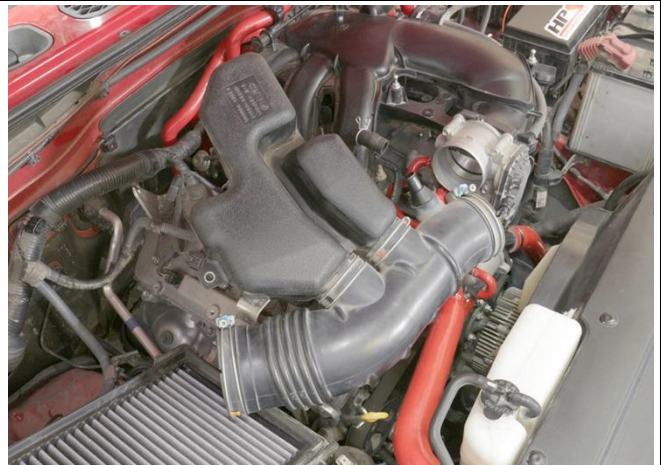
6. Loosen the intake tube clamps from the throttle body and the air box.



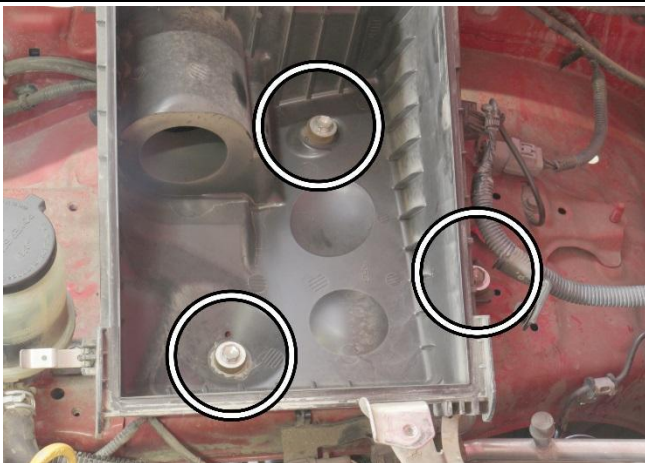
7. Release the four clips holding the air box and remove from the intake tube.



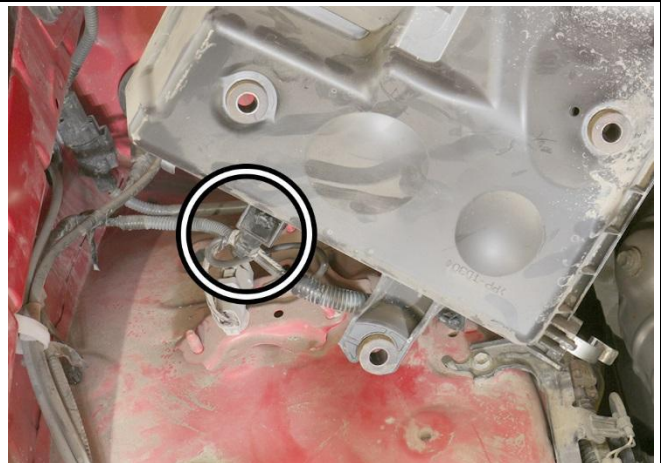
8. Unclip the wiring harness from the air box then remove the upper air box from the vehicle.



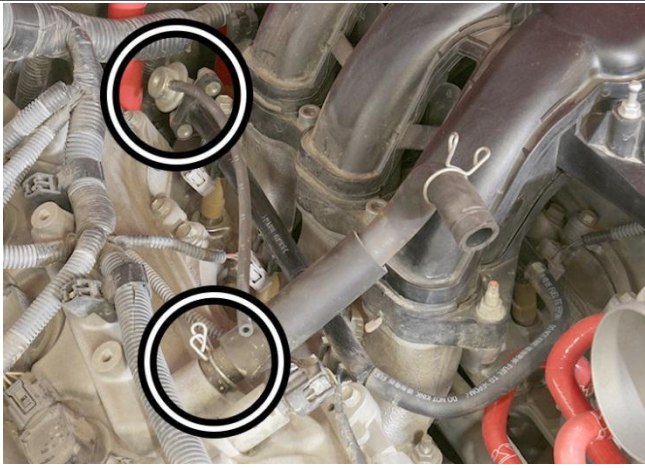
9. Remove the factory intake tube from the vehicle.



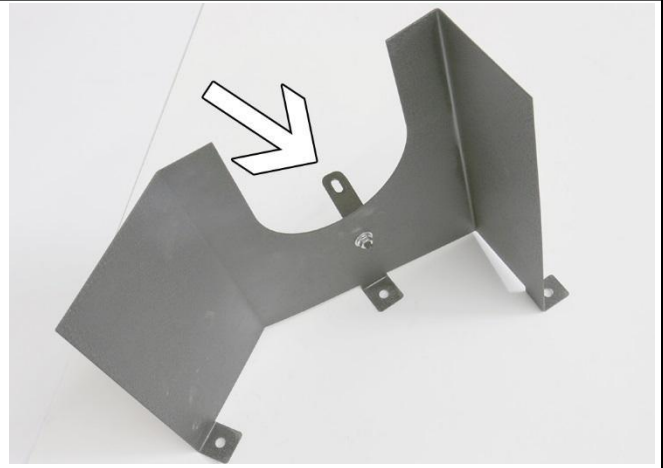
10. Remove the three bolts securing the lower air box.



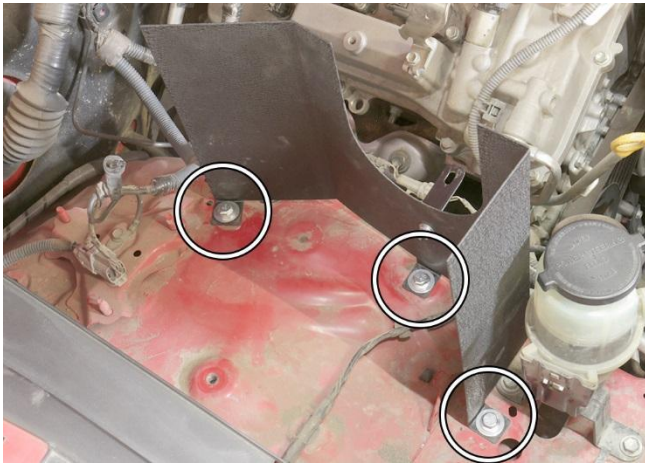
11. Flip over the lower air box and remove the wiring harness clip and remove the lower air box from the vehicle.



12. Remove the vacuum hose from the regulator and the breather hose from the valve cover.



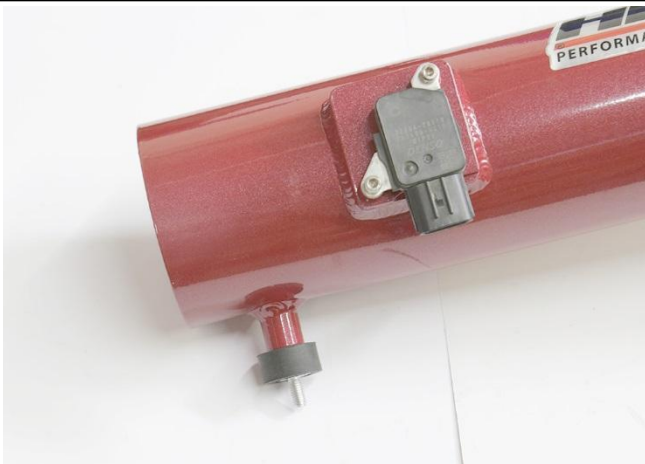
13. Install the "L" shape bracket onto the heatshield using the hardware provided in the kit.



14. Install the heatshield onto the vehicle using the three M8 bolts and washers.



15. Install the provided silicone reducer and the T-bolt clamps onto the throttle body.



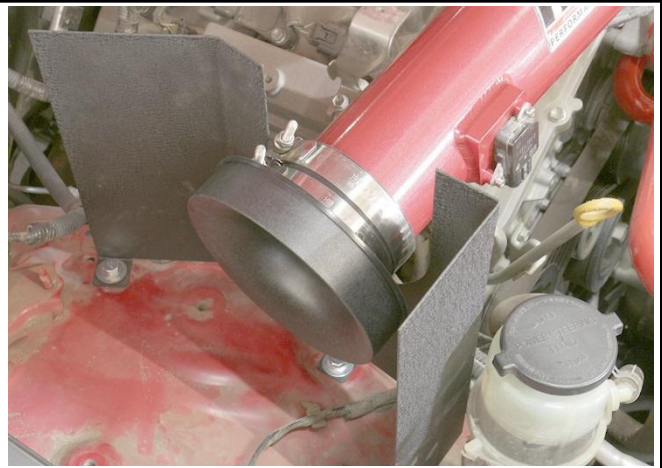
16. Transfer the MAF sensor from the factory air box onto the HPS intake pipe and secure it using the M4 bolts supplied. Next, install the rubber vibration mount onto the intake pipe.



17. Install the intake pipe onto the silicone coupler on the throttle body, then secure the rubber mount onto the intake bracket using a M6 washer and nut.



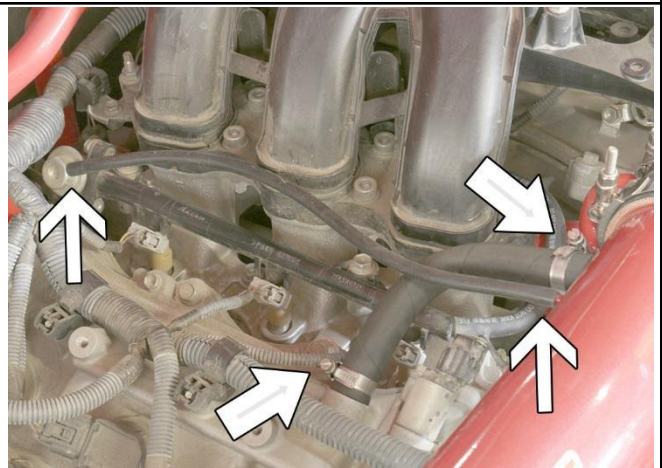
18. Prepare the air filter for installation by assembling the velocity stack, straight coupler, and two T-bolt clamps.



19. Install the velocity stack onto the intake pipe.



20. Install the HPS air filter onto the velocity stack.



21. Install the vacuum hose for the regulator and the breather hose provided in the kit. Secure the breather hose with the clamps included in the kit.



22. Re-connect the MAF sensor harness and install the engine cover onto the vehicle.

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.

