



## **Performance Shortram Air Intake Kit Part Number: 827-635**

**2008-2020 Lexus LX570 5.7L V8  
2008-2020 Toyota Land Cruiser 5.7L V8**

## **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: 827-635

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-426	1	
Heat-Shield Bracket #1	2	530-427	1	
Heat-Shield Bracket #2	2	530-428	1	
Heat-Shield	3	531-429	1	
HPS Air Filter	4	HPS-4304	1	
3.50" – 4.00" Reducer Coupler x 3" Long	5	P3SR-350-400	1	
4.00" – 4.25" Reducer Coupler x 2.50" Long	5	P3SR-400-425-L250	1	
T-Bolt Clamp	5	SSTC-95-103	1	
T-Bolt Clamp	5	SSTC-108-116	3	
Clamp for 14mm EPDM Hose	5	EMSC-16-27	2	
M4 Allen Bolts	5	HW-B4-8	2	
Rubber Vibration Mount M6 x 1/2" Tall	5	HW-RM6-50	2	
M6 Flange Nut	5	HW-N6	4	
M6 Flat Washer x 16mm OD	5	HW-FW6L	6	
M6 Bolt x 16mm long	5	HW-B6-16	2	
M6 Bolt x 12mm long	5	HW-B6-12	2	
14mm EPDM Hose x 23 Inches Long	5	EPDM-056	1	
4mm Vacuum Hose x 9 Inches Long	5	HTSVH4-BLK	1	
Edge Trim with Bulb x 70 Inches Long	5	BUBBLE EDGE TRIM	1	
Velocity Stack 400-600	5	HW-VS-400-600	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](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)**

## **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.

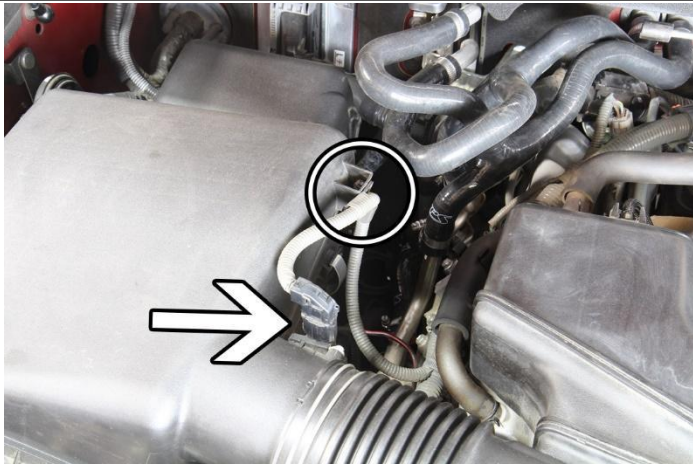
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your 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 six clips securing the air box panel and remove it from the vehicle. \* For newer models your vehicle might not be equipped with the panel just skip to step 3.



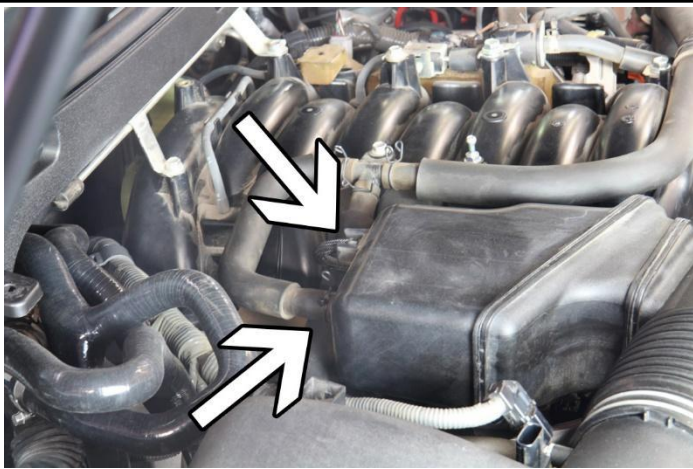
3. Lift and remove the engine cover from the vehicle.



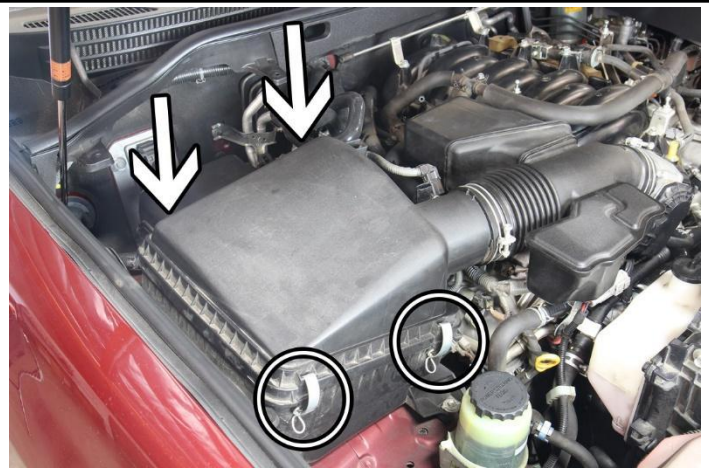
4. Disconnect the Mass Air Flow electrical harness from the MAF sensor and the air box.



5. Loosen the hose clamp from the intake tube securing the throttle body.



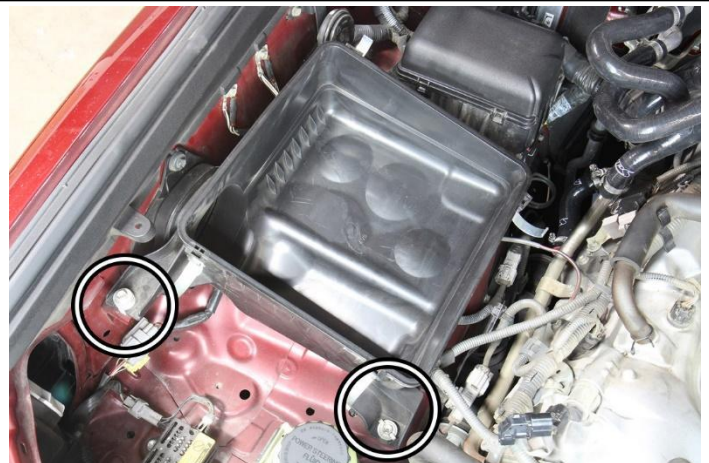
6. Disconnect the two hoses from the air resonator.



7. Unclip the four retaining clips securing the top portion of the air box.



8. Remove the stock intake assembly along with the air box lid from the vehicle.



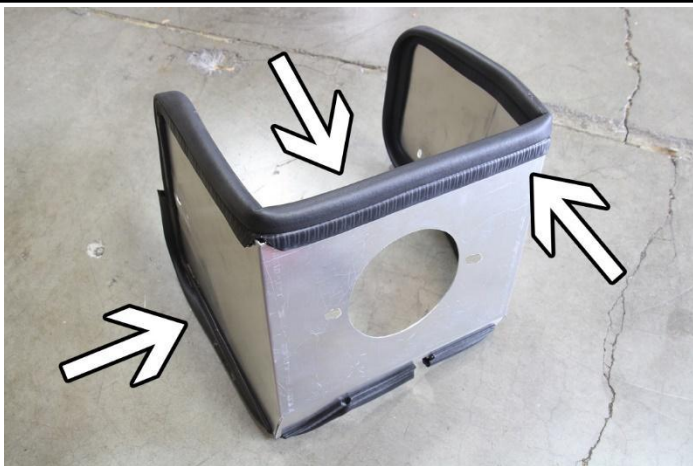
9. Loosen the two 10mm bolts securing the lower air box assembly.



10. Disconnect the air box from the side air scoop and remove the lower air box assembly from the vehicle.



11. Install the two ½ inch vibration mounts shown in the indicated areas above.



12. Install the bubble edge trim around the heat-shield.



13. Install the "L" shaped bracket onto the left side slot of the heat-shield and secure it using a m6 x 16mm bolt, washer, and nut.



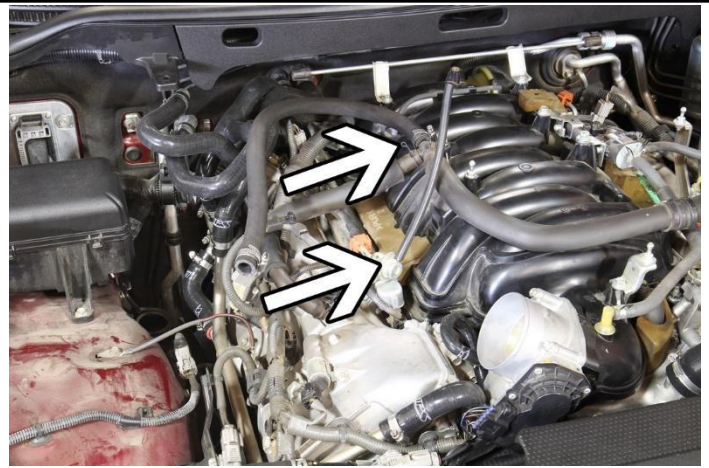
14. Install the other bracket onto the rubber vibration mount located near the back of the firewall.



15. Insert the heat-shield into the vehicle. Secure the "L" shaped bracket onto the vibration mount using a m6 nut and washer.



16. Align the bracket to the heat-shield and secure the bracket using the other m6 x 16mm bolt, nut, and washer.



17. Remove the stock crankcase vent hose as well as the fuel pressure regulator hose. Install the provided EPDM along with the hose clamps replacing the crankcase hose and the vacuum hose replacing the pressure regulator hose.



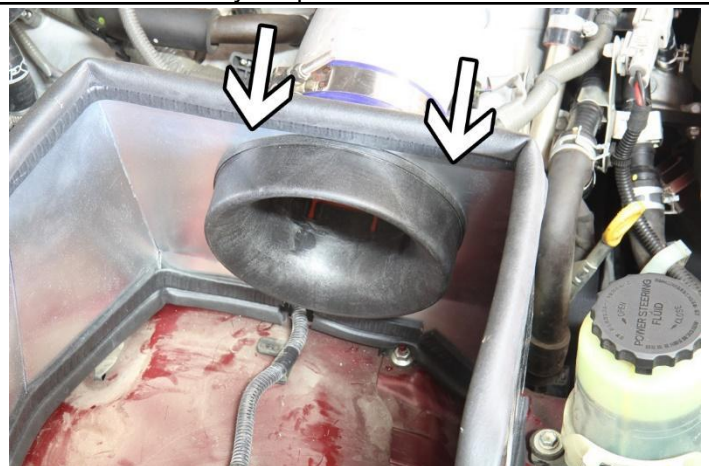
18. Install the provided 3.50" – 4.00" reducer coupler along with the t-bolt clamps onto the throttle body.



19. Install the stock MAF sensor onto the HPS intake pipe using the M4 screws provided. Then slide the other reducer coupler onto the other end of the intake pipe, but do not tighten the clamps yet. Insert the HPS intake pipe into the throttle body coupler.



20. Connect the breather hose and the vacuum hose onto the intake barbs. Re-connect the MAF sensor harness connector onto the MAF sensor.



21. Install the velocity stack into the coupler and secure the velocity stack onto the heat-shield using the m6 x 12mm bolts and washers. Tighten the t-bolt clamps securing the velocity stack and the intake pipe.



22. Insert the provided HPS air filter onto the velocity stack.



23. Re-insert the engine cover back into the vehicle.



24. Re-install the air box panel cover into 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.