



## **Performance Shortram Air Intake Kit Part Number: 827-557**

**Subaru 2010-2012 Legacy 2.5L  
Subaru 2010-2012 Outback 2.5L**

## **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: 827-557

Description	Prep	Part Number	Qty	Check
Upper Air Intake Pipe	1	529-250	1	
HPS Air Filter	2	HPS-4296	1	
Heat shield	3	531-252	1	
Intake bracket	4	530-251	1	
T-Bolt Clamp for 2.75" Hose	4	SSTC-73-81	2	
2.75" Coupler x 2" Long	4	P3SC-275-L2	1	
M4 bolts	4	HW-B4-8	2	
6mm bolts, 12mm long	4	HW-B6-12	2	
6mm flange nut	4	HW-N6	2	
6mm flat washer, 16mm OD	4	HW-FW6L	3	
Rubber vibration mount 6mm 1/2" tall	4	HW-RM6-50	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!**

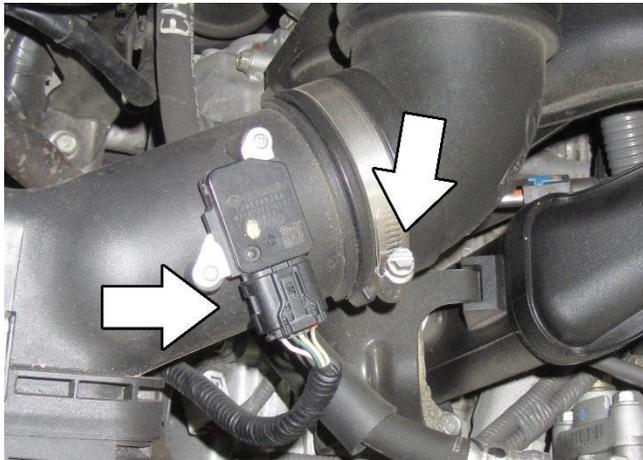
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

**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.

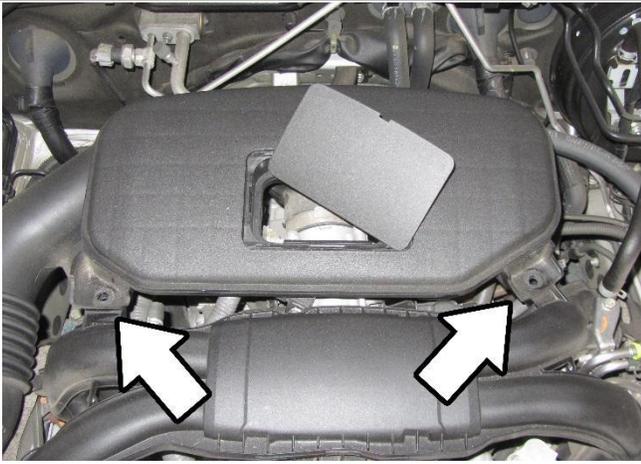
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



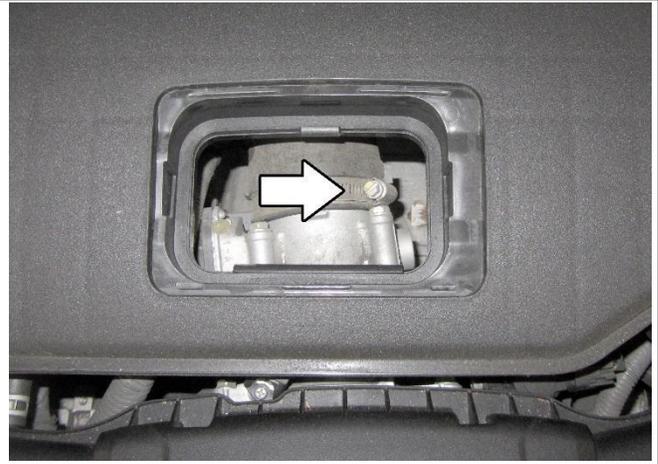
2. Loosen the hose clamp attached to the air box. Disconnect the connector from the MAF sensor.



3. Disconnect the breather hose from the air resonator.



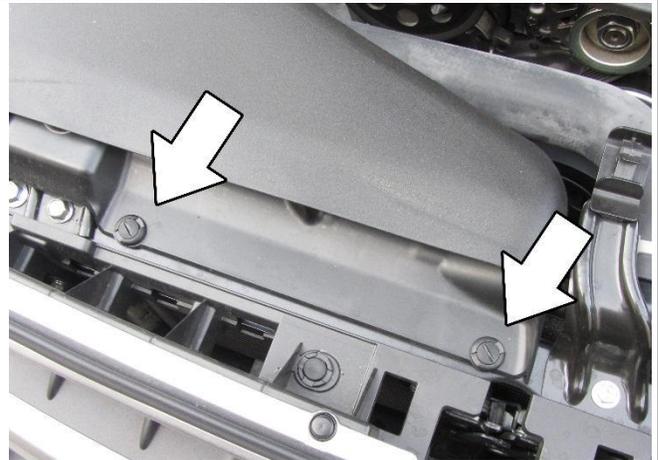
4. Use a flat head screwdriver to remove the panel on the resonator. Then remove the 2 plastic rivets connecting the resonator to the intake manifold.



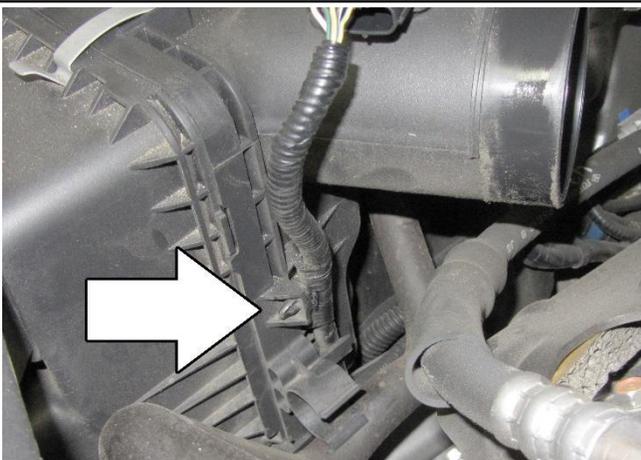
5. Loosen the hose clamp on the throttle body.



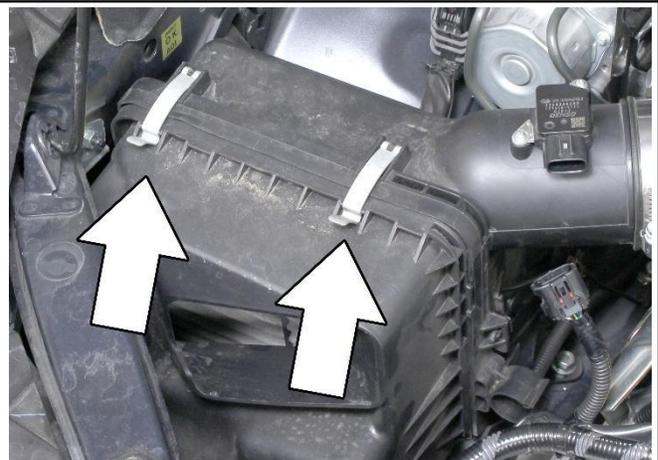
6. Remove the stock intake hose assembly from the engine bay.



7. remove the 2 plastic rivets on the air duct, then remove the ducting from the vehicle.



8. Unclip the electrical harness from the air box



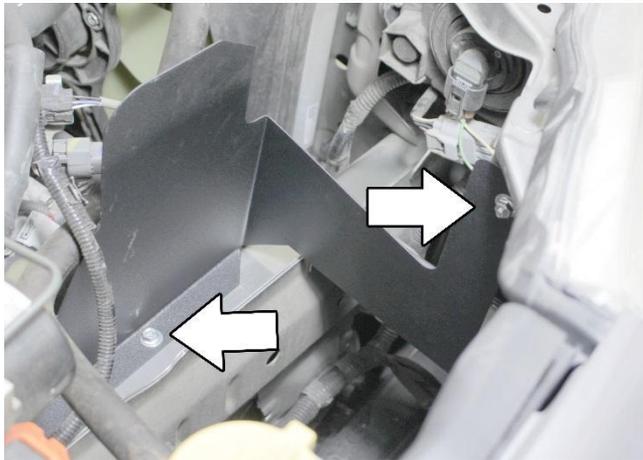
9. Unbuckle and remove the top portion of the air box from the engine bay.



10. Loosen and remove the nut and bolt securing the air box to the chassis.



11. Remove the remainder of the air box from the engine bay.



12. Install heat shield to the factory air box mounting points. Install a nut, washer, and bolt to the top mounting point. Install a bolt and washer for the lower mounting point.



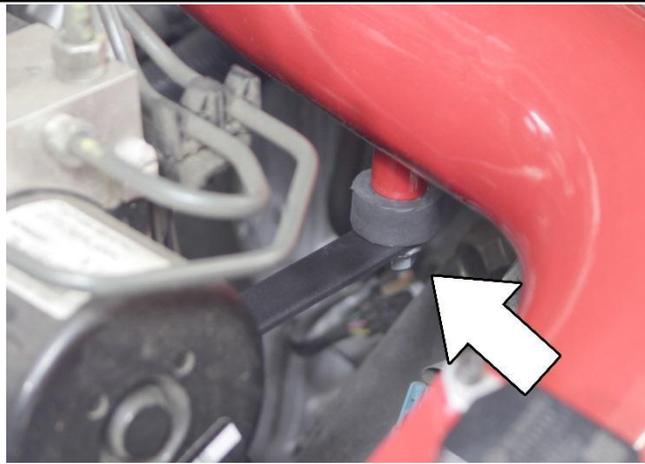
13. Install coupler with provided t-bolt clamps onto the throttle body



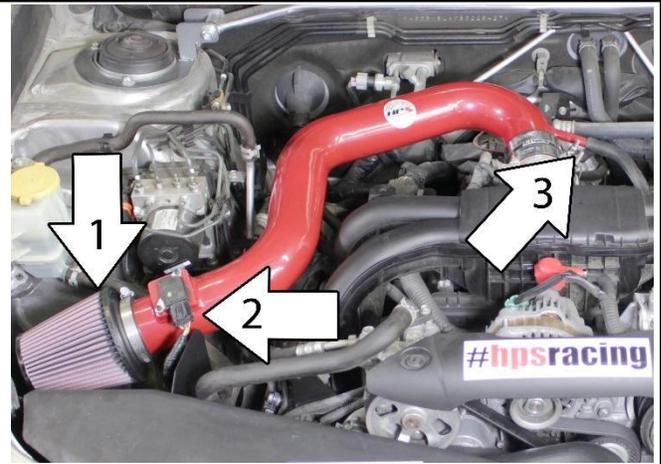
14. Remove the bolt from the area shown and install the intake bracket by re-using the bolt removed.



15. Install the MAF sensor onto the intake pipe and the rubber mount provided in the hardware kit.



16. Install a washer and nut to secure the intake onto the bracket



17. Install the provided HPS air filter onto the intake pipe (1). Reconnect the MAF sensor (2) and breather hose (3).

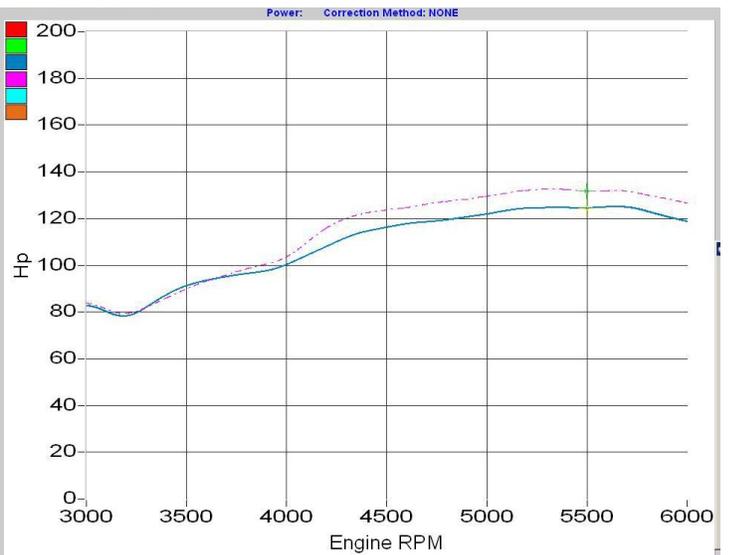
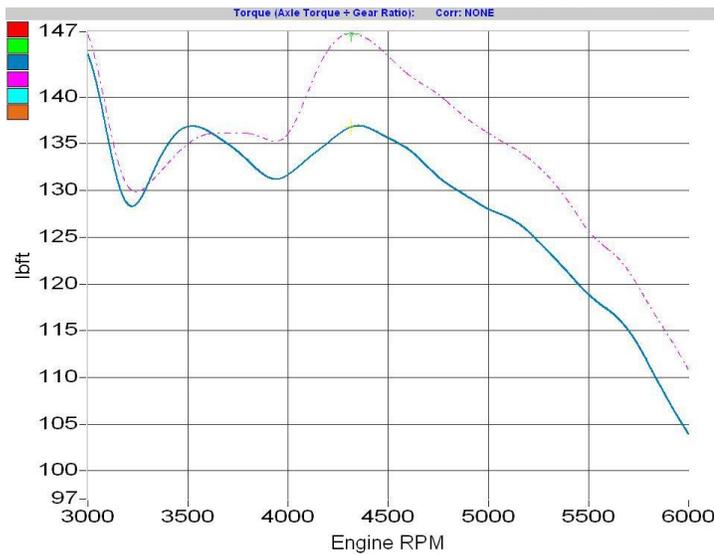
### Final Steps

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.



136.796	79.8	4317	ratio	3.8000
lbft	mph	rpm	tcf	1.00
146.799	79.8	4317	delta	10.004

124.485	101.7	5498	ratio	3.8000
Hp	mph	rpm	tcf	1.00
131.613	101.7	5498	delta	7.128



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