



## **Performance Air Intake Kit Part Number: 827-684**

**2017-2021 Subaru Impreza 2.0L  
2018-2021 Subaru Crosstrek 2.0L**

## **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: 827-684

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-511	1	
Heat Shield	2	531-252	1	
Intake Bracket	3	530-512	1	
HPS Performance Air Filter	4	HPS-4336	1	
2.75" Straight Coupler x 2" Long	5	P3SC-275-L2	1	
T-Bolt Clamp for 2.75"	5	SSTC-73-81	2	
Clamps for 13MM EPDM Hose	5	EMSC-12-22	2	
EPDM Hose 1/2" x 5.5 Inches	5	EPDM-050	1	
M4 Allen Bolt x 8mm Long	5	HW-B4-8	2	
M6 Bolt x 16mm Long	5	HW-B6-16	2	
6mm Flange Nut	5	HW-N6	2	
M6 Flat Washer x 16mm OD	5	HW-FW6L	4	
Rubber Vibration Mount M6 x 1/2" Tall	5	HW-RM6-50	1	
1/2" Brass Joiner	5	91355K85	1	
2.75" Air Straightener	5	HW-AS-275	1	
Thin Edge Trim x 22 inches	5	Thin Edge Trim	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.
- Report any defective or missing parts to HPS directly. The HPS dealer you purchased this product from might not have the replacement parts you need.
- 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!**

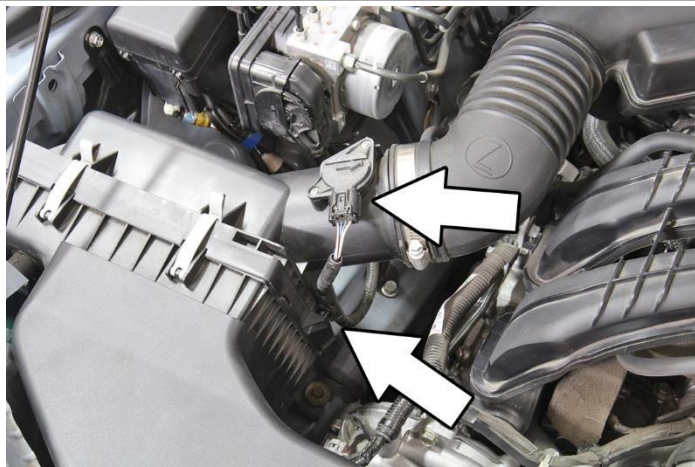
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

***NOTE: HPS holds no responsibility for any engine damage that results from misuse of this product.***

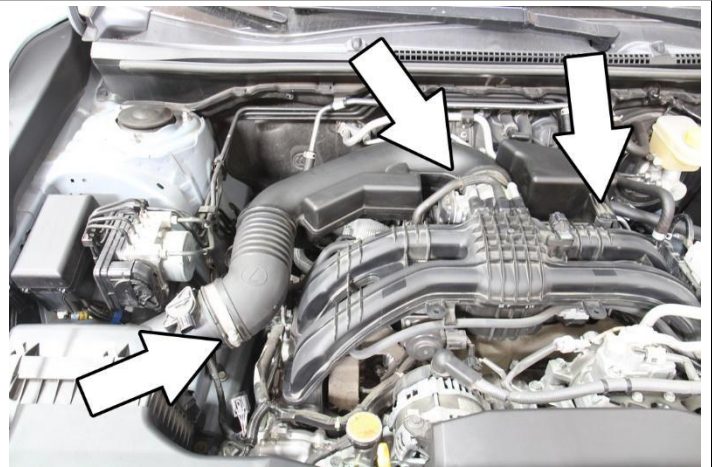
## **GETTING STARTED**

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.

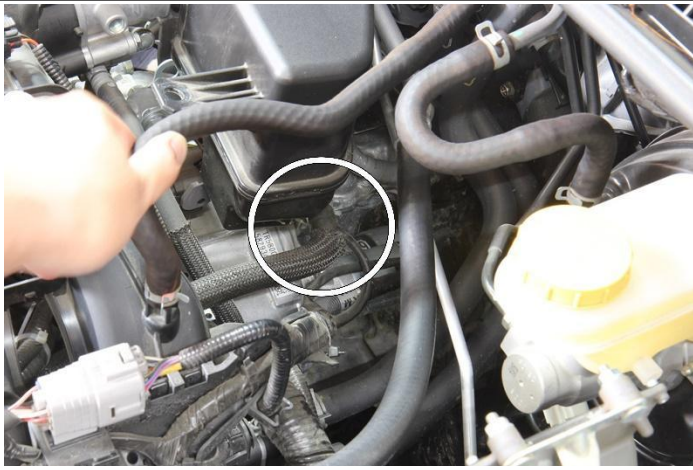
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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. Unclip the electrical harness clip from the air box and disconnect the mass air flow sensor connector.



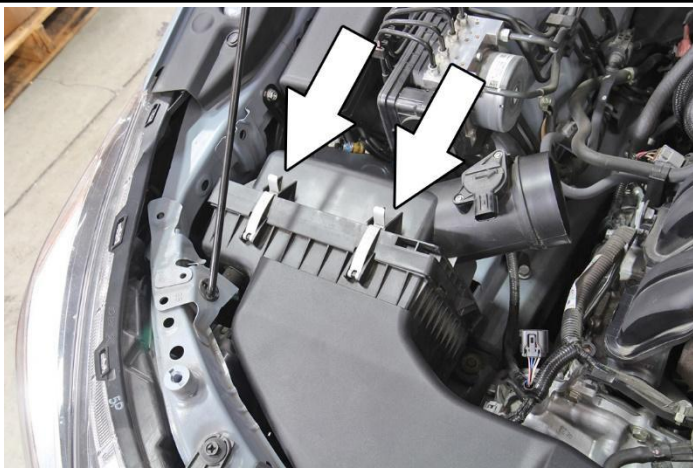
3. Loosen the hose clamps securing the factory air tube from air box and the throttle body. Remove the retaining clip securing the intake air tube resonator.



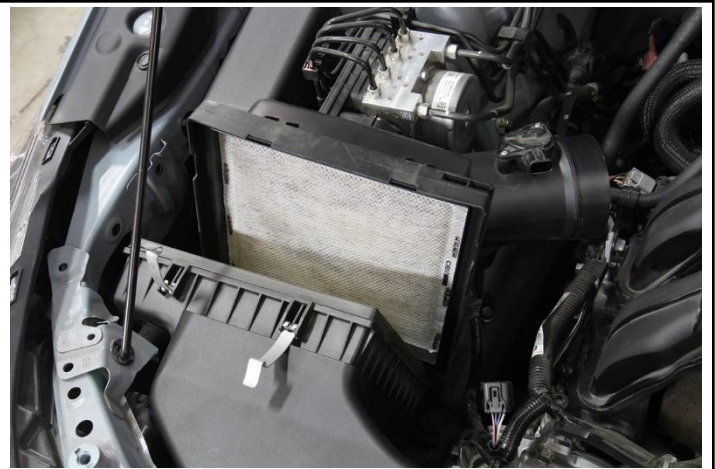
4. Remove the breather air hose from the factory air tube assembly.



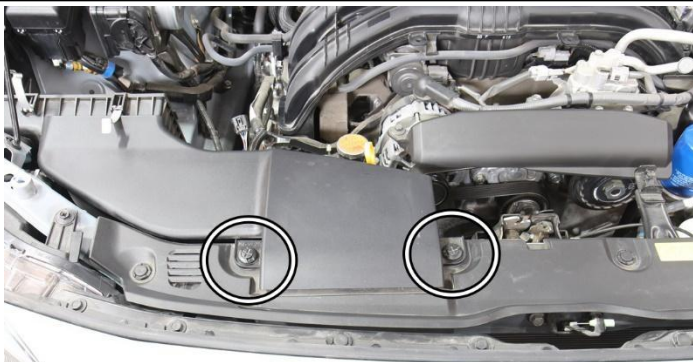
5. Remove the factory air tube assembly from the vehicle.



6. Disconnect the retaining clips securing the upper air box assembly from the lower air box.



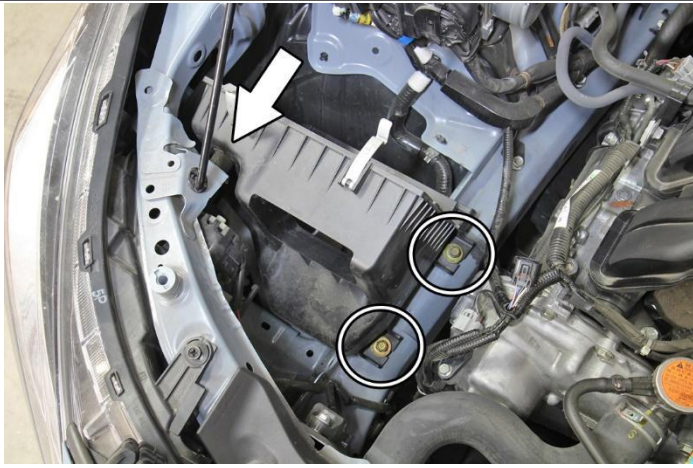
7. Lift and remove the upper air box assembly from the vehicle.



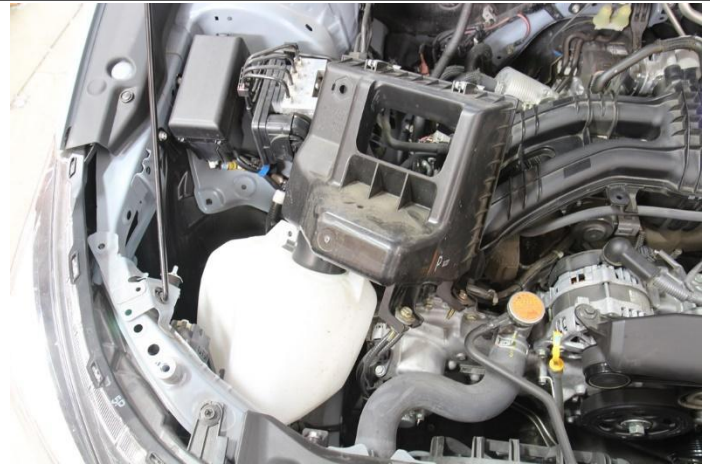
8. Remove the retaining clips securing the factory air duct.



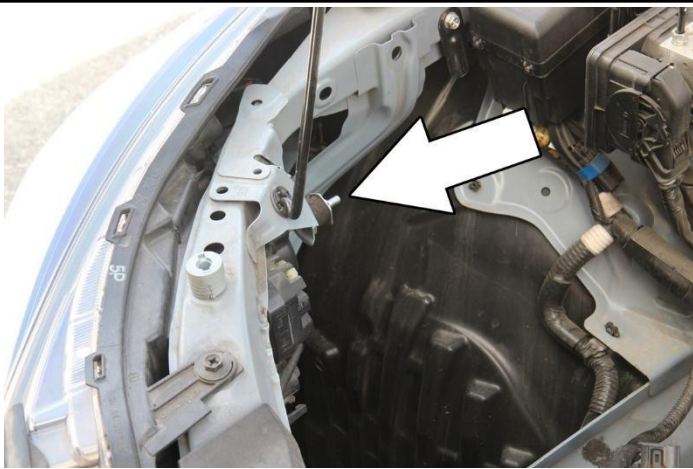
9. Disconnect the factory air duct from the lower air box and remove the air duct from the vehicle.



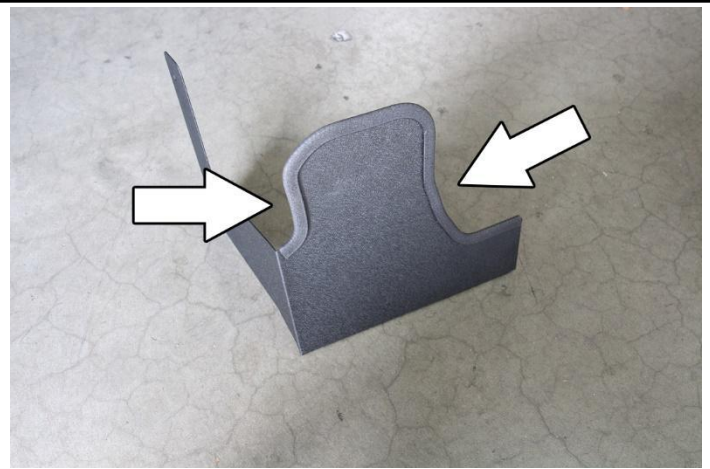
10. Loosen the 10mm bolts and nut securing the lower air box assembly.



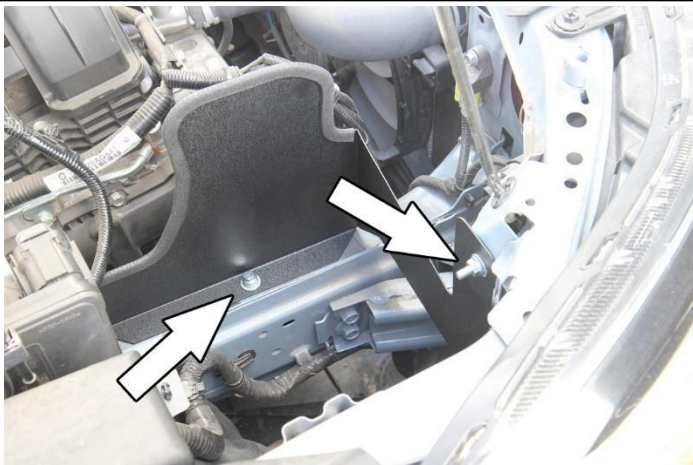
11. Lift and remove the lower air box assembly from the vehicle.



12. Loosen the 10mm nut to remove the factory air box vibration mount.



13. Install the provided thin edge trim onto the HPS heat shield.



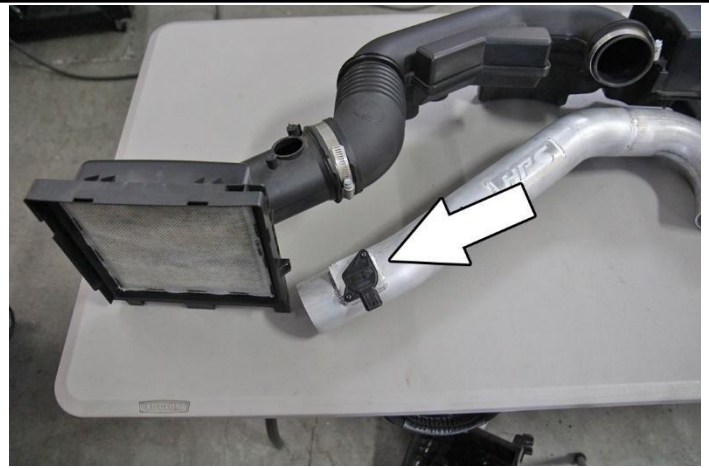
14. Insert the heat shield into the vehicle. Secure the heat shield using the provided M6x16mm bolts, nuts, and washers into the factory air box mounting hole and factory vibration mounting hole removed in step 12.



15. Install the factory air duct back into the vehicle.



16. Install the provided vibration mount onto the HPS intake pipe.



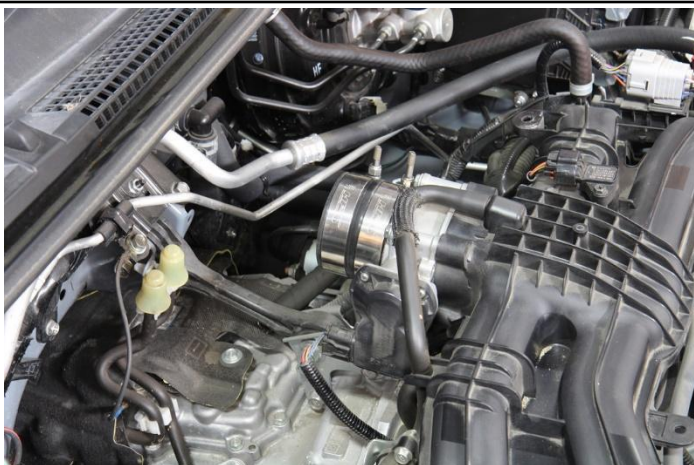
17. Remove the mass air flow sensor from the factory air box. Install and secure the MAF sensor onto the HPS intake pipe using the provided M4 Allen bolts.



18. Remove the 14mm bolt from the indicated area shown above.



19. Insert and loosely secure the provided intake bracket by reusing the 14mm bolt.



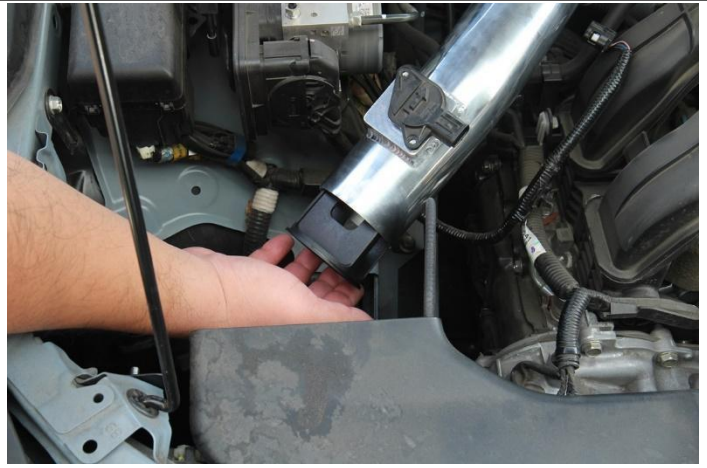
20. Install the silicone coupler onto the throttle body along with the provided T-bolt clamps.



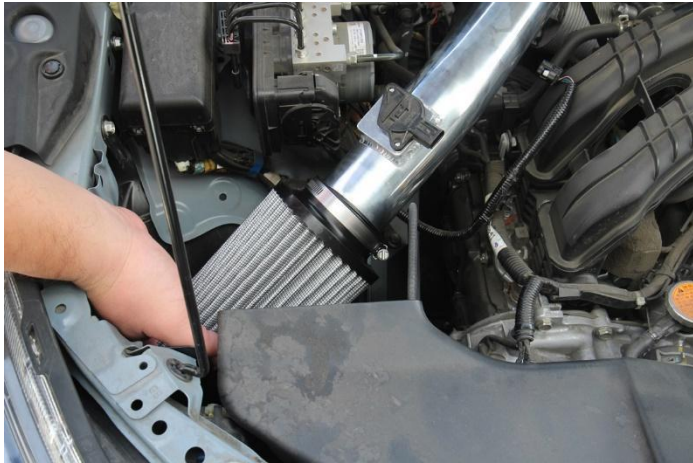
21. Insert the HPS intake pipe into the throttle body coupler and secure the vibration mount onto the intake bracket using the provided M6 nut.



22. Insert the provided joiner into the factory breather hose. Install and secure the EPDM hose onto the provided joiner and intake barb using the EMSC-12-22 clamps.



23. Insert the MAF air straightener into the HPS intake pipe. \* Make sure the panels are horizontal to the mass air flow sensor when installing.



24. Install the HPS performance air filter.



25. Reconnect the MAF sensor harness connector.

## 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.

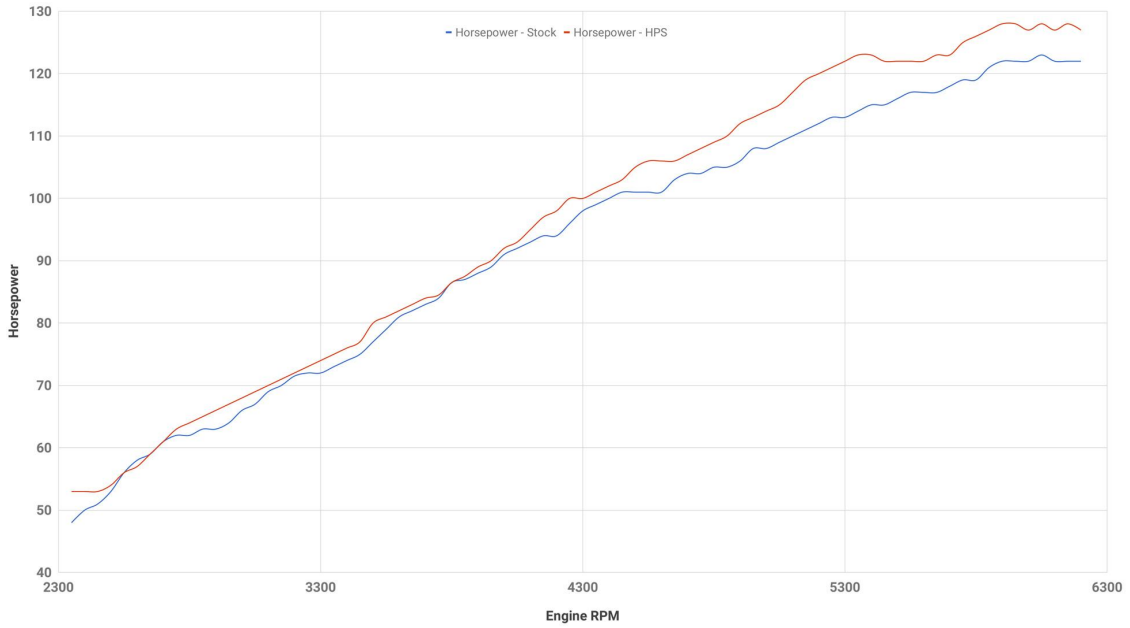
Periodically, recheck the alignment of the intake system and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.





HPS Performance Air Intake Kit with Heat Shield (827 Series)  
2017-2021 Subaru Impreza 2.0L Non Turbo  
2018-2021 Subaru Crosstrek 2.0L Non Turbo  
Part Number: 827-684

Maximum Horsepower Gains = 9 whp @ 5300 rpm



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