



Performance Shortram Air Intake Kit Part Number: 827-545

2015-2020 Subaru WRX 2.0L Turbo

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: 827-545

| Description | Prep | Part Number | Qty | Check |
|--|------|-------------|-----|-------|
| Air Intake Pipe | | 529-213 | 1 | |
| | | | | |
| HPS Air Filter | | HPS-4276 | 1 | |
| | | | | |
| Clamp for 3.00" Hose | | EMSC-70-90 | 2 | |
| 3" 45 degree Coupler | | 27-545-BLK | 1 | |
| 4mm Allen Bolts x 8mm Long | | HW-B4-8 | 2 | |
| 6mm Bolt x 12mm Long | | HW-B6-12 | 5 | |
| 6mm Flange Nut | | HW-N6 | 2 | |
| 6mm Flat Washer x 16mm OD | | HW-FW6L | 6 | |
| Rubber Vibration Mount 6mm x 1/2" Tall | | HW-RM6-50 | 1 | |
| Intake Bracket | | 530-214 | 1 | |
| Heat Shield | | 531-215 | 1 | |
| Heat Shield Cover | | 531-216 | 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.

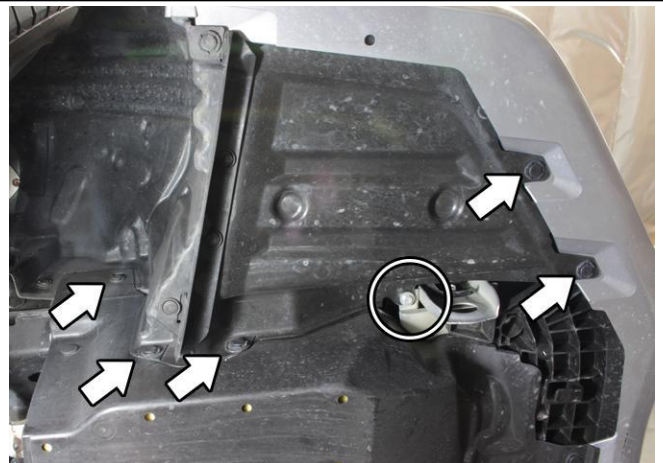
GETTING STARTED

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.

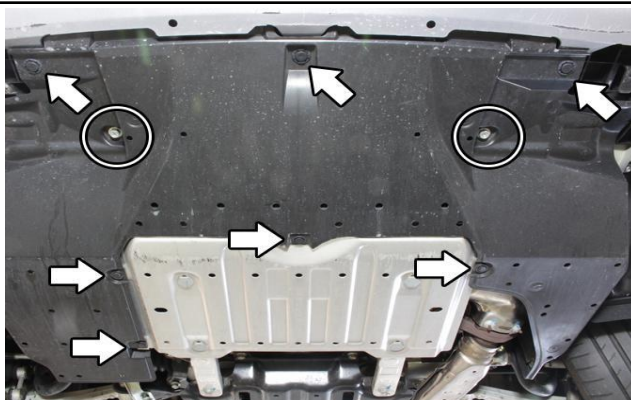
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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. Remove the two plastic rivets holding the air duct and remove the air duct from the engine bay.



3. Remove the 5 plastic rivets and 1 bolt with a 10mm socket from the bottom of the passenger fender liner.

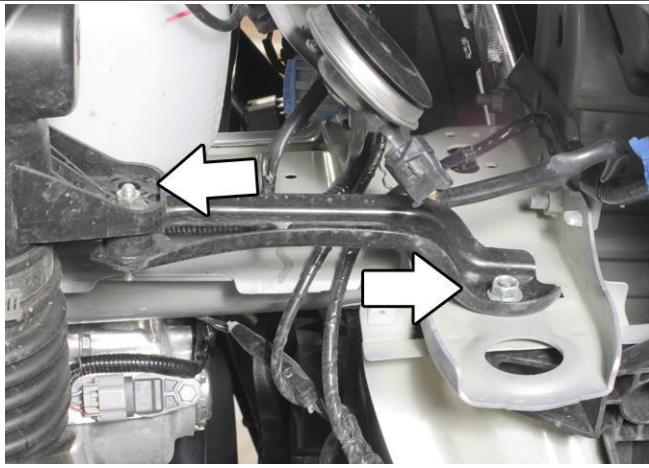


4. Remove the 4 small plastic rivets surrounding the skid plate, then remove the 2 bolts on the under tray with a 12mm socket. Finally remove the 3 plastic rivets on the front.

** this will give you enough space to tuck the plastic under tray out of the way to install the HPS intake. If you wish to gain more access, repeat step 3 for the driver side of the vehicle to fully remove the under tray.



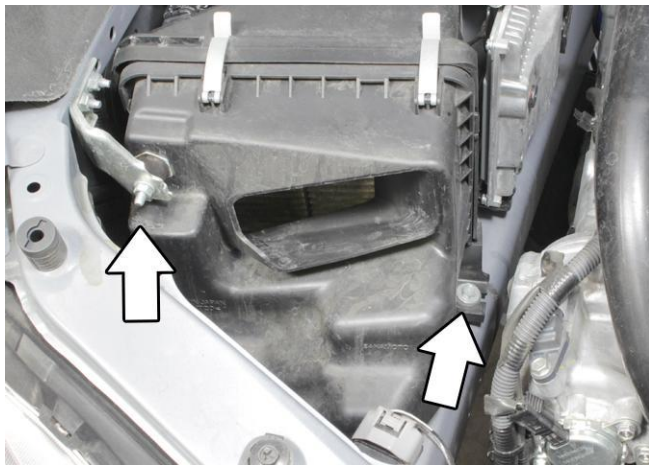
5. Use a flat head screwdriver to loosen the hose clamp on the turbo inlet to disconnect the inlet tube from the turbo.



6. Remove the nut holding the lower air intake tube to the bracket. Next remove the bracket attached to the chassis with a 12mm socket.



7. Unplug the MAF sensor connector.



8. Unbolt the air box from the base, then remove the nut on the air box bracket.



9. Unbuckle the air box to separate the two halves. Remove the front half from the engine bay.



10. Carefully maneuver the rest of the air box and air intake tube out of the engine bay.



11. Install the rubber vibration mount onto the factory air box bracket using the hardware included.



12. Insert the heat shield into the engine bay as shown in the photo. Line up the heat shield into position using the stud on the rubber vibration mount previously installed then secure the base with a washer and 6mm bolt.



13. Remove the MAF sensor from the air box and install it into the new HPS intake pipe using the included 4mm allen screws.



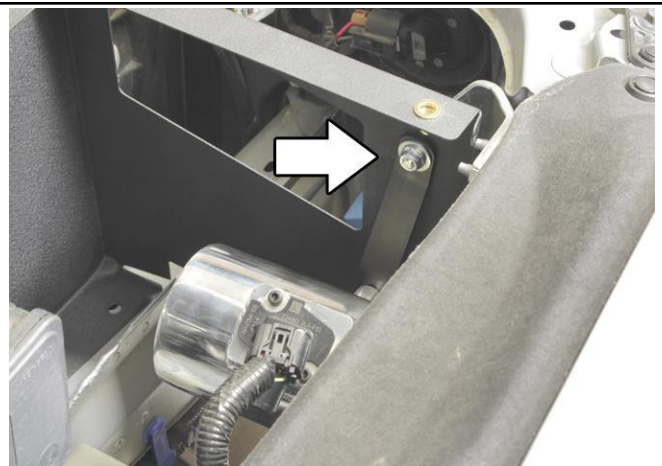
14. Install the intake bracket as shown onto the intake pipe.



15. Install the silicone elbow included in the kit onto the turbo inlet. Don't tighten the clamp onto the turbo inlet yet as you may need to reposition the elbow.



16. Insert the HPS intake pipe into as shown from the bottom of the vehicle and insert it into the silicone elbow



17. Secure the bracket on the intake pipe onto the rubber vibration mount in step 11 using a washer and M6 nut.



18. Install the HPS Air Filter onto the intake pipe and reconnect the MAF harness onto the MAF sensor.



19. Once the brackets and clamps are secured, install the heat shield cover with the provided allen bolts.



20. Reinstall the factory air duct.

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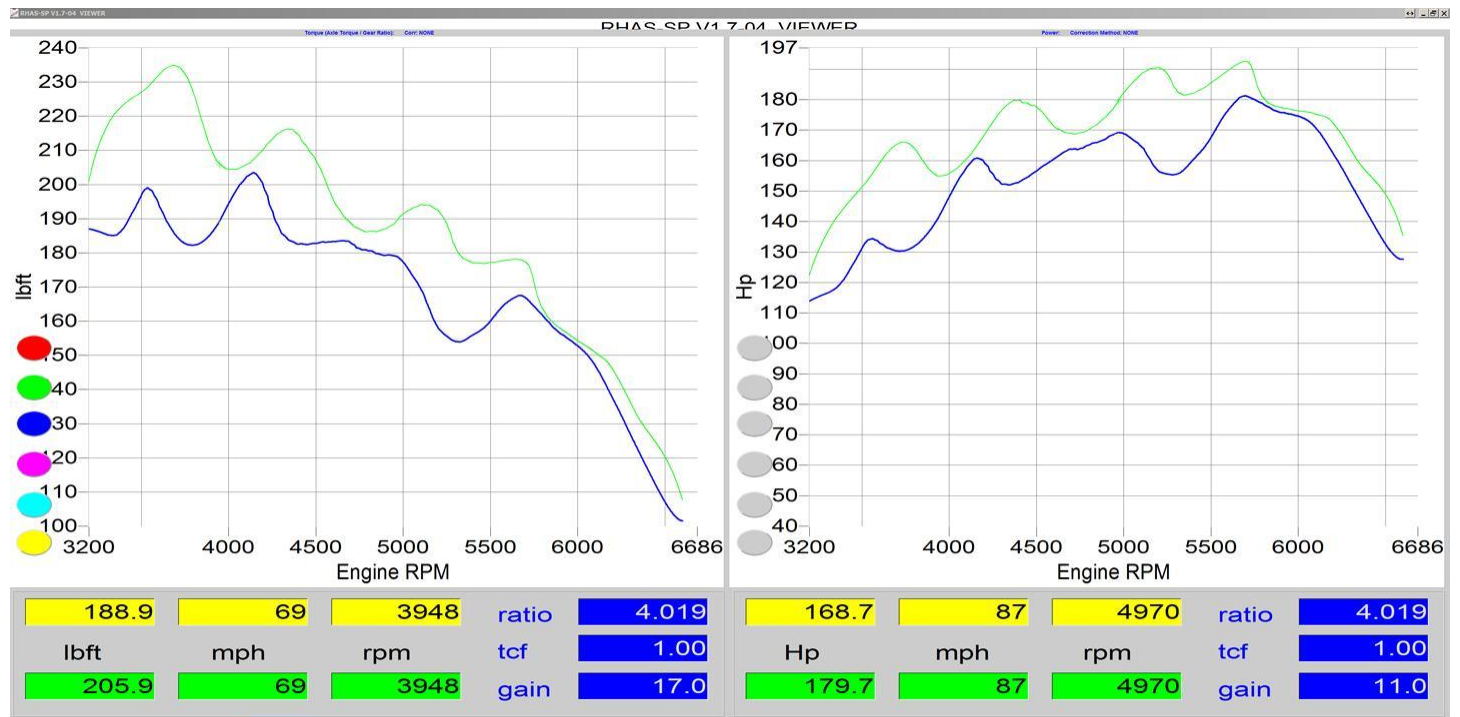
Final Steps

Once the intake has been positioned and checked for clearance, 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 vehicle. 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.



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