



Performance Air Intake Kit

Part Number: 827-769

**2015-2019 Subaru Outback
2.5L Non Turbo FB25**

Installation Instructions

For technical inquiries please email us at tech@hpsperformance.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: 827-769

Line #	Description	Part Number	Qty
1	Air Intake Pipe	529-263	1
2	Heat Shield	531-952	1
3	Heat Shield Lid	531-953	1
4	HPS Performance Air Filter	HPS-4275	1
5	Bracket, Intake Pipe	530-929	1
6	Bracket, Heat Shield - Front Side	530-405	1
7	Bracket, Heat Shield - Passenger Side	530-579	1
8	Bracket, Heat Shield - Driver Side	530-618	1
9	Straight Coupler, 2.75" ID, 2.00" Long	P3SC-275-L2	1
10	T-bolt Clamp for 2.75" Hose	SSTC-73-81	2
11	Rubber Vibration Mount, M6, 1/2" Tall	HW-RM6-50	1
12	Rubber Vibration Mount, M6, 1" Tall	HW-RM6-100	1
13	Rubber Vibration Mount, M6, 5/8" Tall, Male-to-Female	HW-RM6-062-MF	1
14	Barb Fitting, 1/2"	HW-BF-050	1
15	Embossed Hose Clamp, 12mm - 22mm	EMSC-12-22	2
16	EPDM Hose, 1/2" ID	EPDM-050	10 inches
17	Bolt, M6 x 1.0, 25mm Long	HW-B6-25	1
18	Bolt, M6 x 1.0, 16mm Long	HW-B6-16	3
19	Bolt, M6 x 1.0, 12mm Long	HW-B6-12	2
20	Bolt, M5 x 0.8, 8mm Long	HW-B5-8H	5
21	Bolt, M4 x 0.7, 8mm Long	HW-B4-8	2
22	Flange Nut, M6	HW-N6	7
23	Flat Washer, M6, 32mm OD	HW-FW6XL	12
24	Bubble Edge Trim	7750B2X1/16C	10 inches
25	Thin Edge Trim	75B7X1/16	68 inches

- **Before installing any parts of this intake kit, 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 kit while the engine is hot.**
- **This installation may require the removal of coolant lines that may be hot.**
- **For technical inquiries, please email us at tech@hpsperformance.com**

PLEASE READ CAREFULLY BEFORE INSTALLATION!

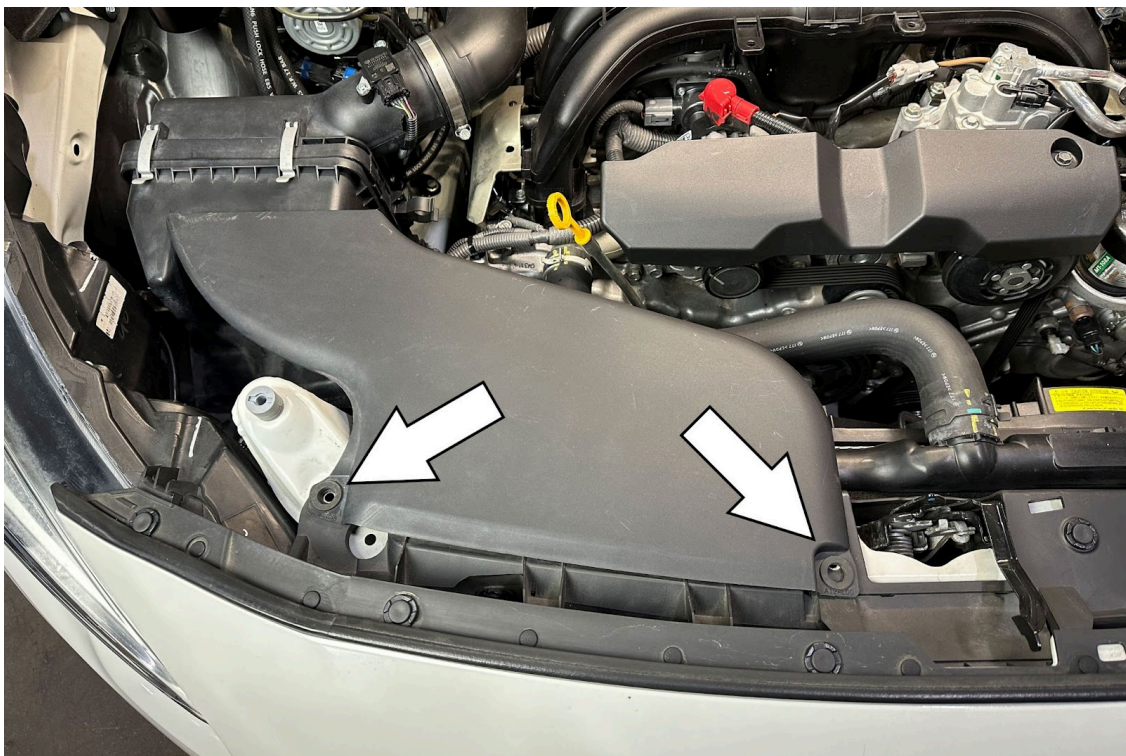
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

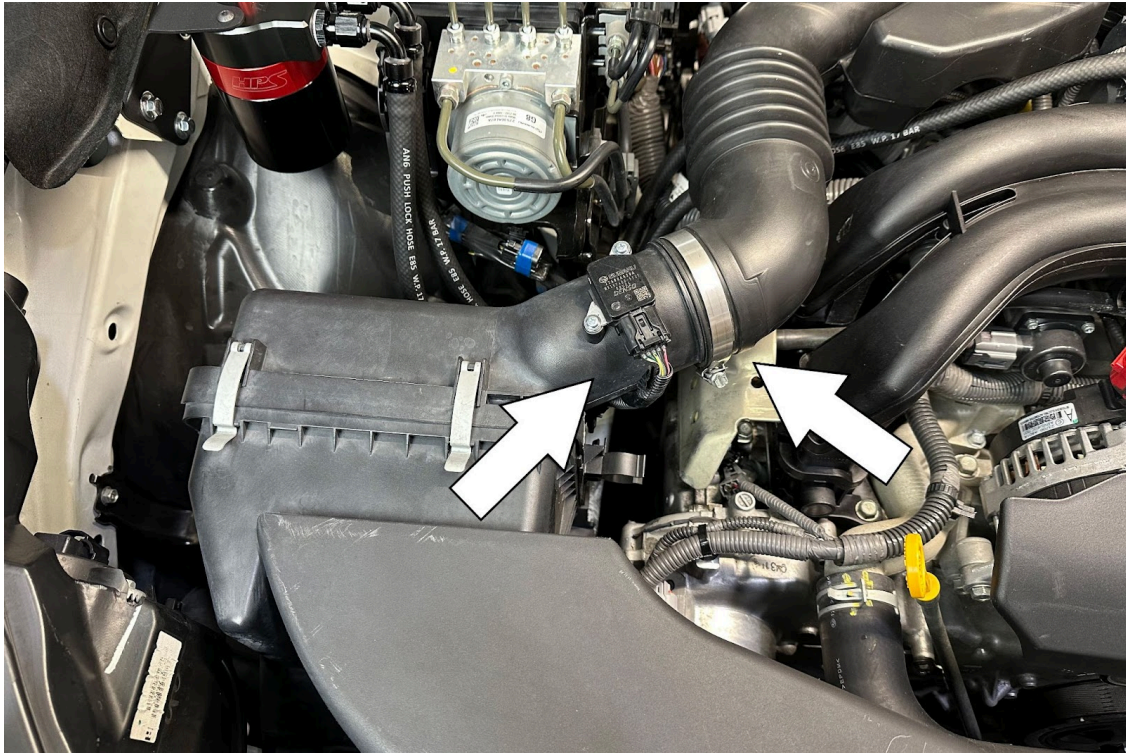
GETTING STARTED

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. Remove the two plastic clips securing the air scoop to remove the air scoop from the vehicle.



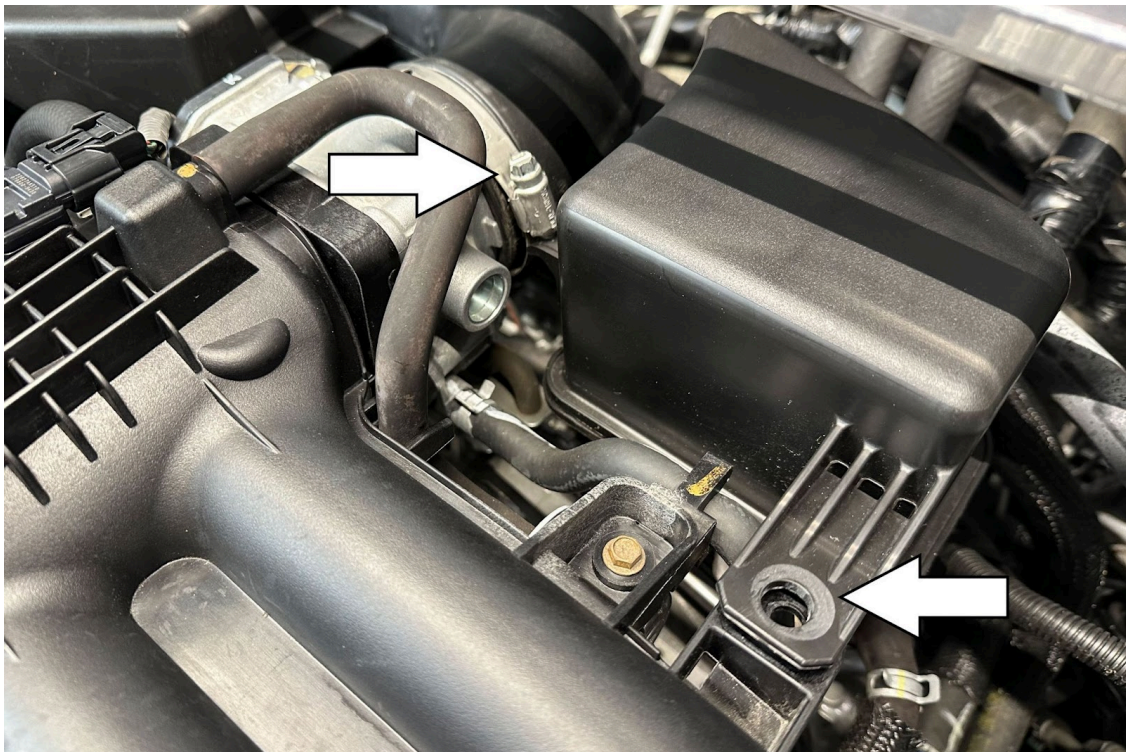
3. Unplug the MAF sensor connector and loosen the intake hose clamp indicated above.



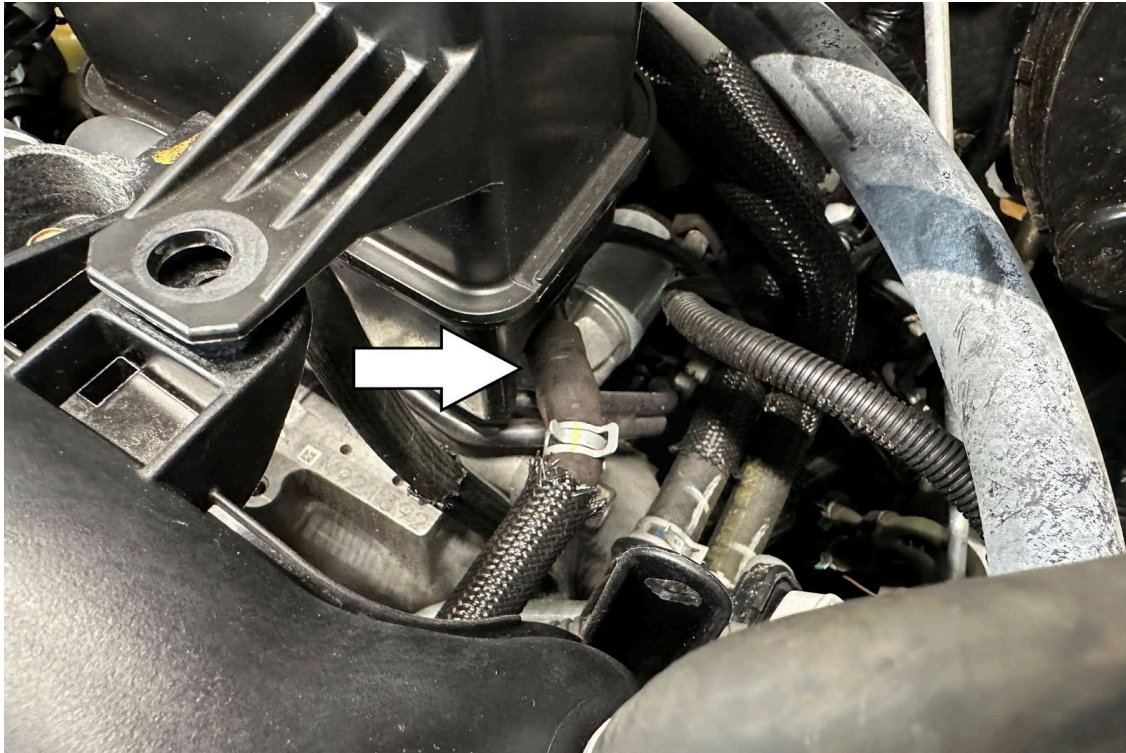
4. Remove the two air box mounting bolts.



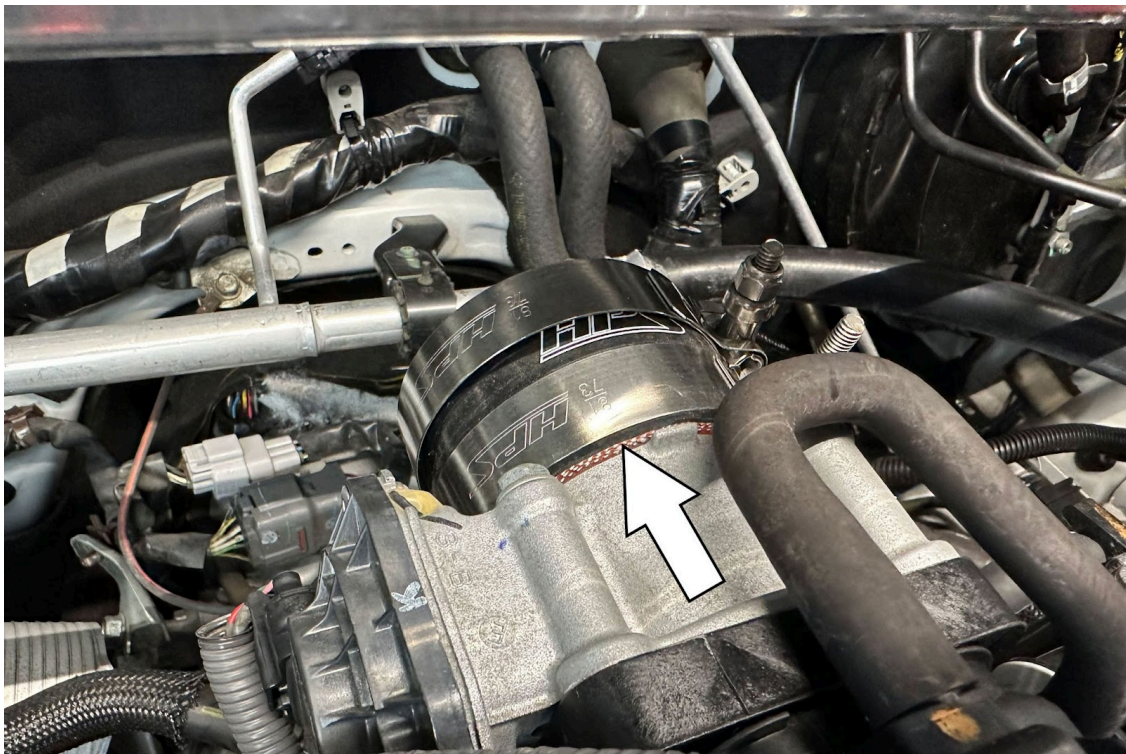
5. Remove the air box assembly by pulling up on the push fit plastic pin.



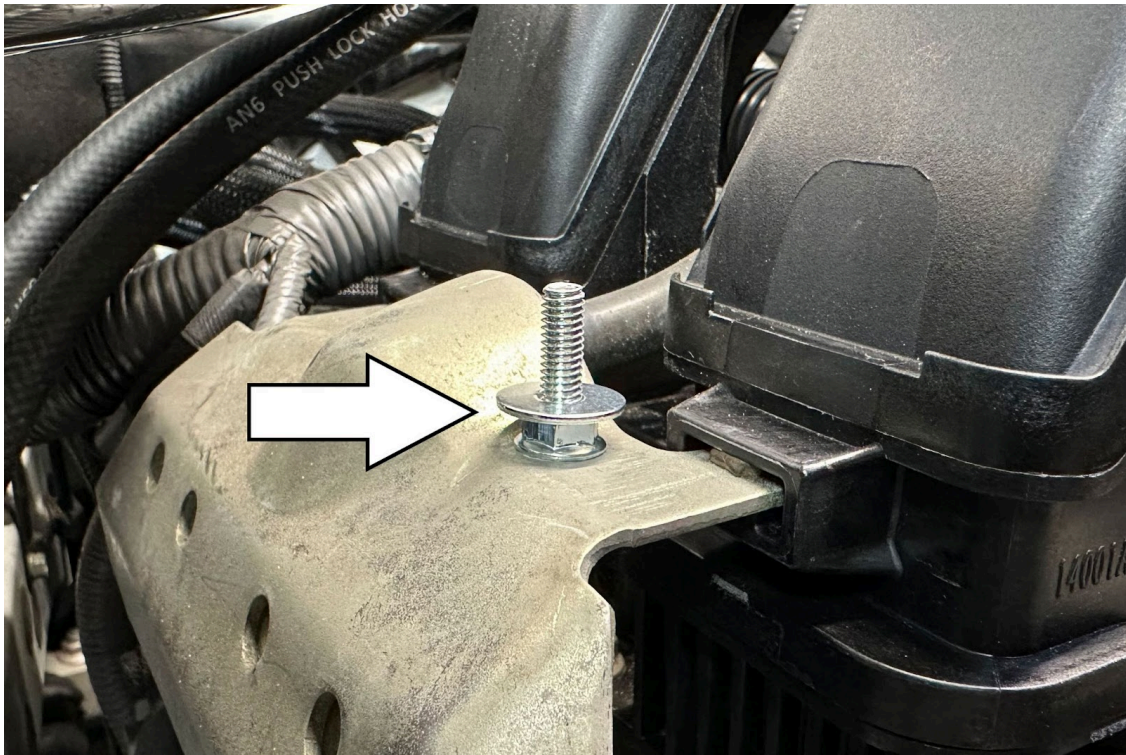
6. Loosen the clamp at the throttle body and remove the plastic clip securing the intake resonator.



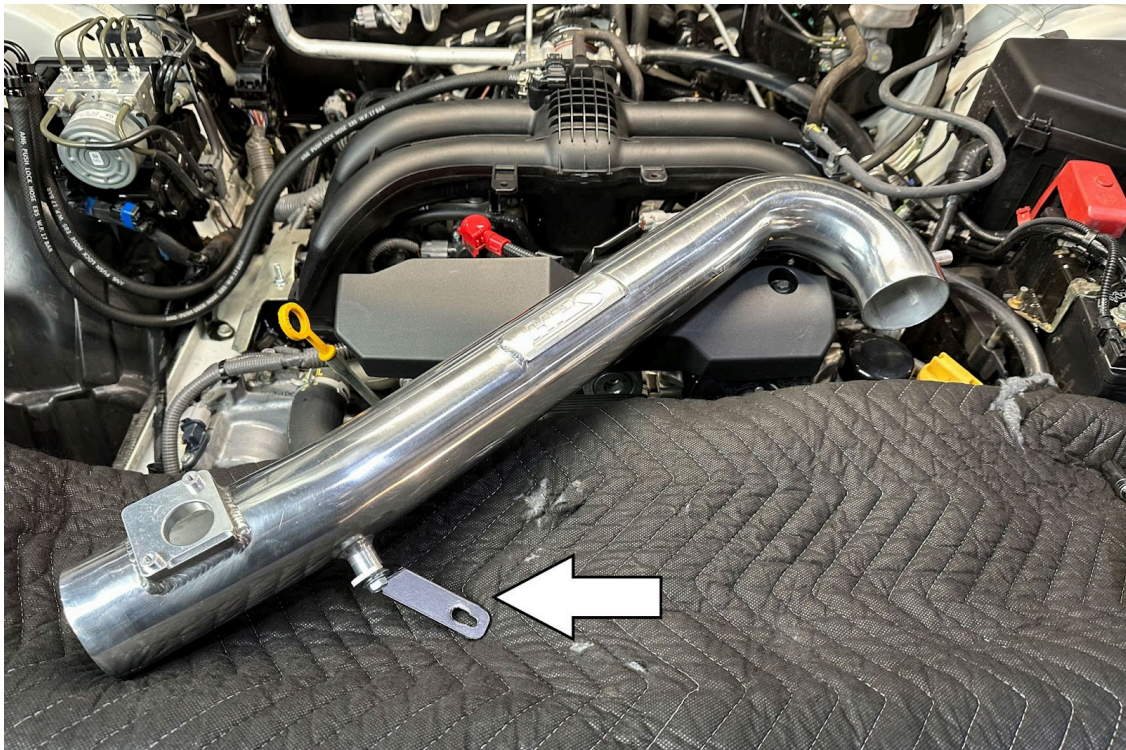
7. Disconnect the vacuum hose at the intake resonator. Then remove the factory intake hose.



8. Secure the provided coupler onto the throttle body using one of the provided T-bolt clamps. Leave the second clamp loose to secure the intake pipe in later steps.



9. From the underside of the coil pack heat shield, secure the provided 25mm long bolt using the provided M6 flange nut. Then slide one of the provided M6 washers over the nut as shown above.



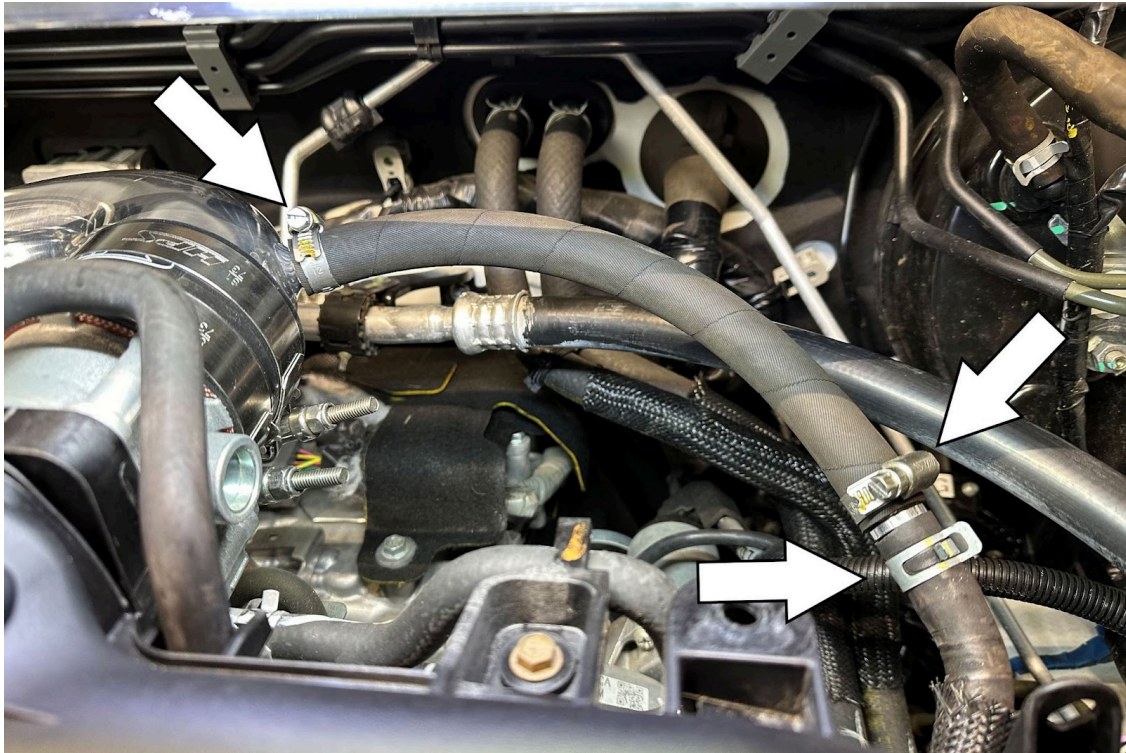
10. Secure the provided intake bracket onto the intake pipe using a 12mm long bolt and washer.



11. Slide the intake pipe into the coupler at the throttle body and install the intake bracket onto the bolt on the ignition coil heat shield using an M6 flange nut and washer. Once the intake is in position, tighten the clamp at the throttle body.

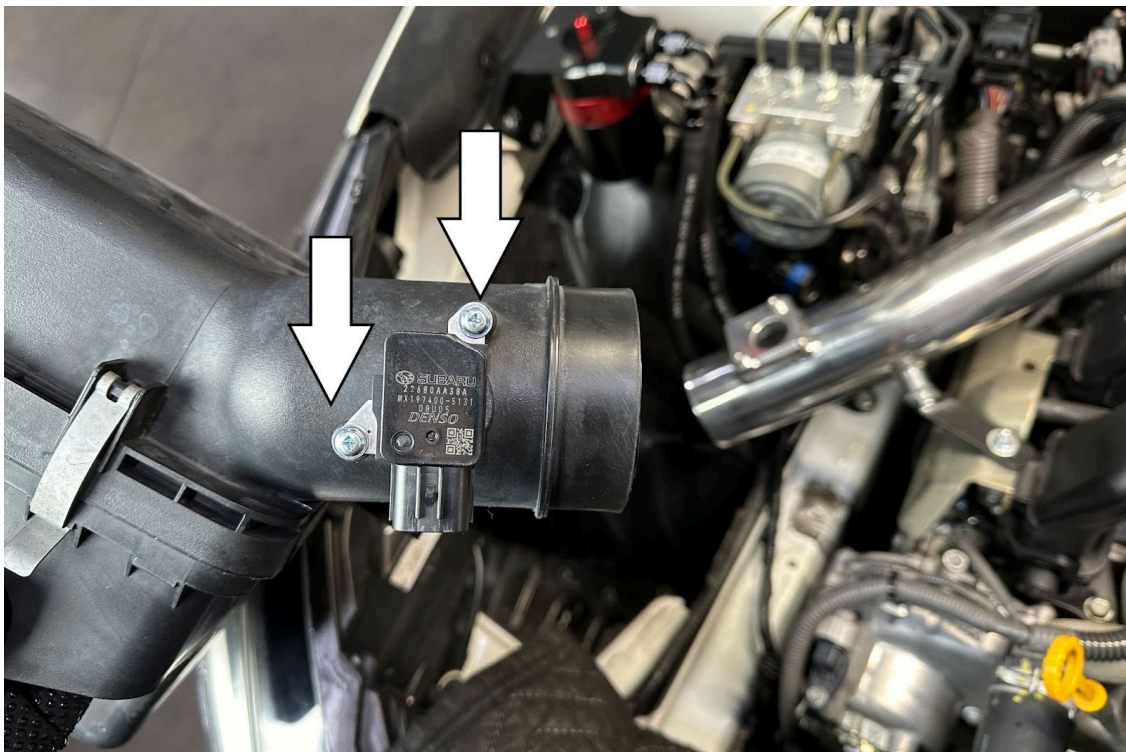


12. Assemble the extended vacuum hose by pressing the 1/2" barb into the 1/2" EPDM hose.

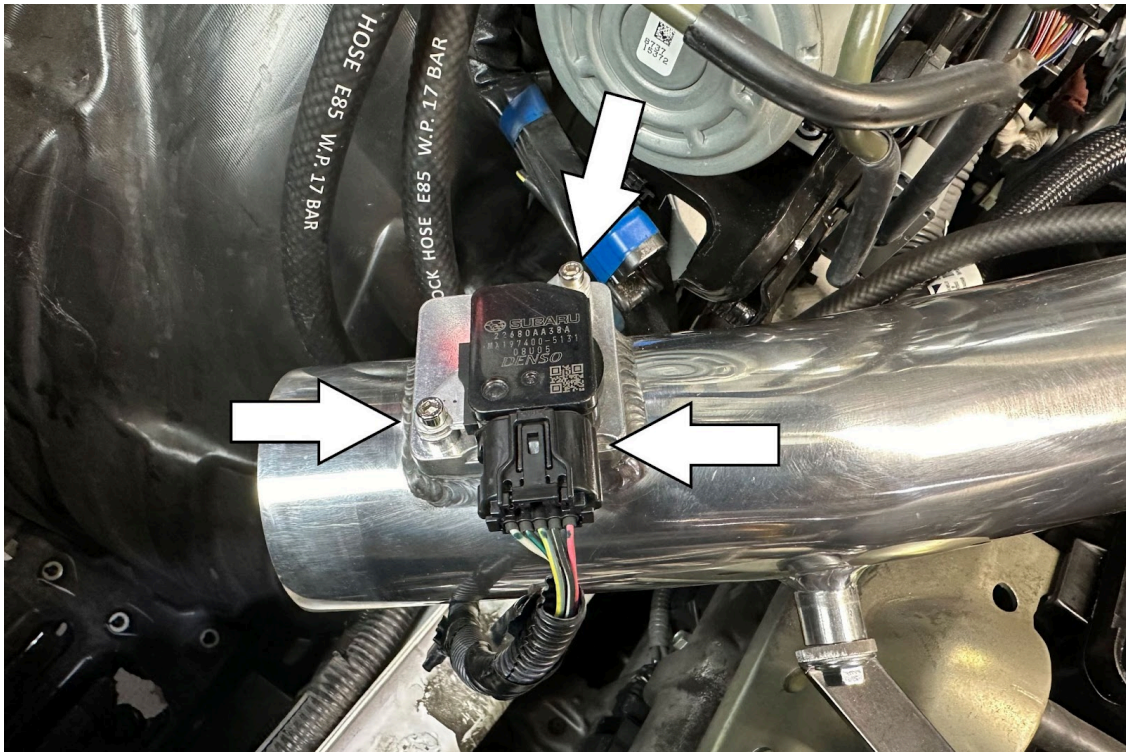


13. Press the barbed end of the assembled vacuum hose into the original vacuum hose and secure it using one of the provided embossed hose clamps. Secure the other end of the EPDM hose to the HPS intake using the other embossed hose clamp.

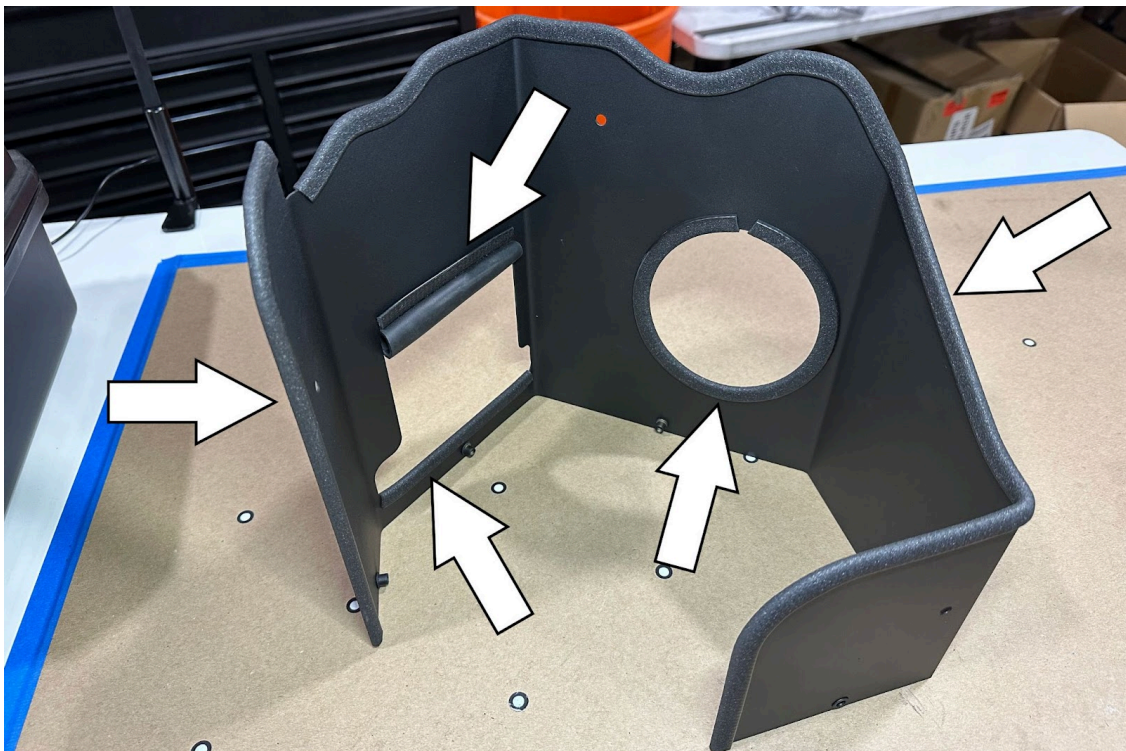
NOTE: Trim the EDPM hose to length if necessary.



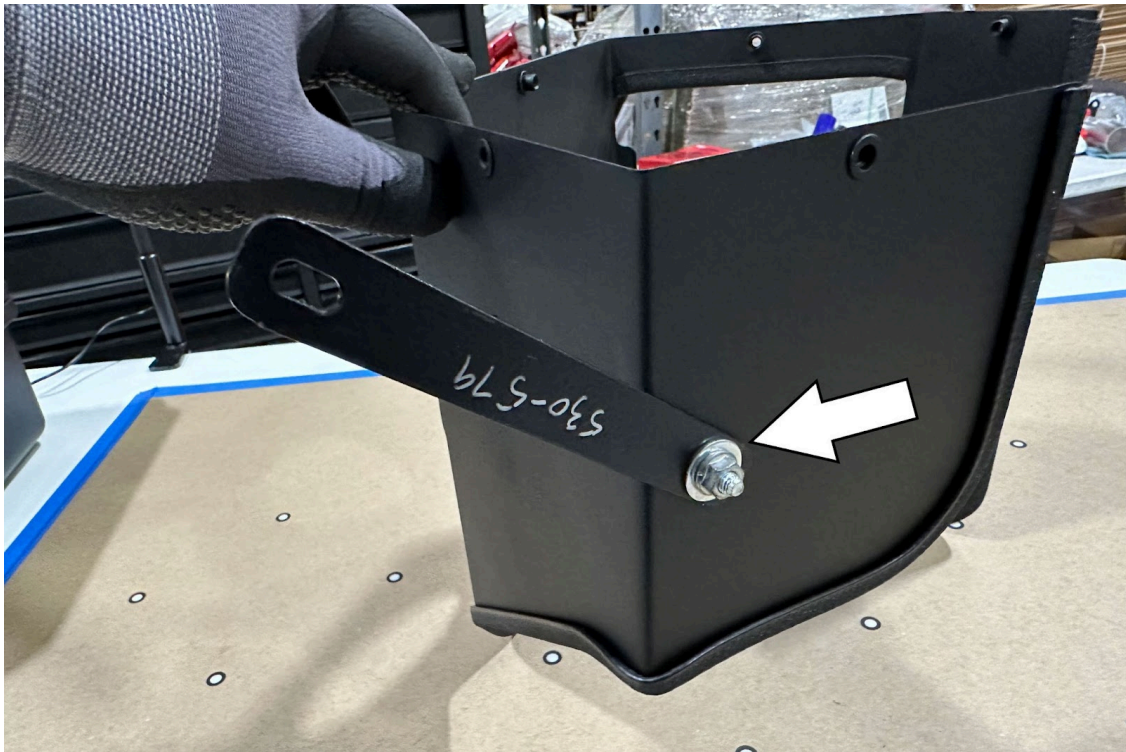
14. Uninstall the MAF from the original airbox.



15. Use the two provided M4 bolts to secure the mass air flow sensor to the HPS intake pipe. Then plug in the mass air flow sensor connector.



16. Preassemble the heat shield by installing the provided thin edge trim and the bubble edge trim as shown above.



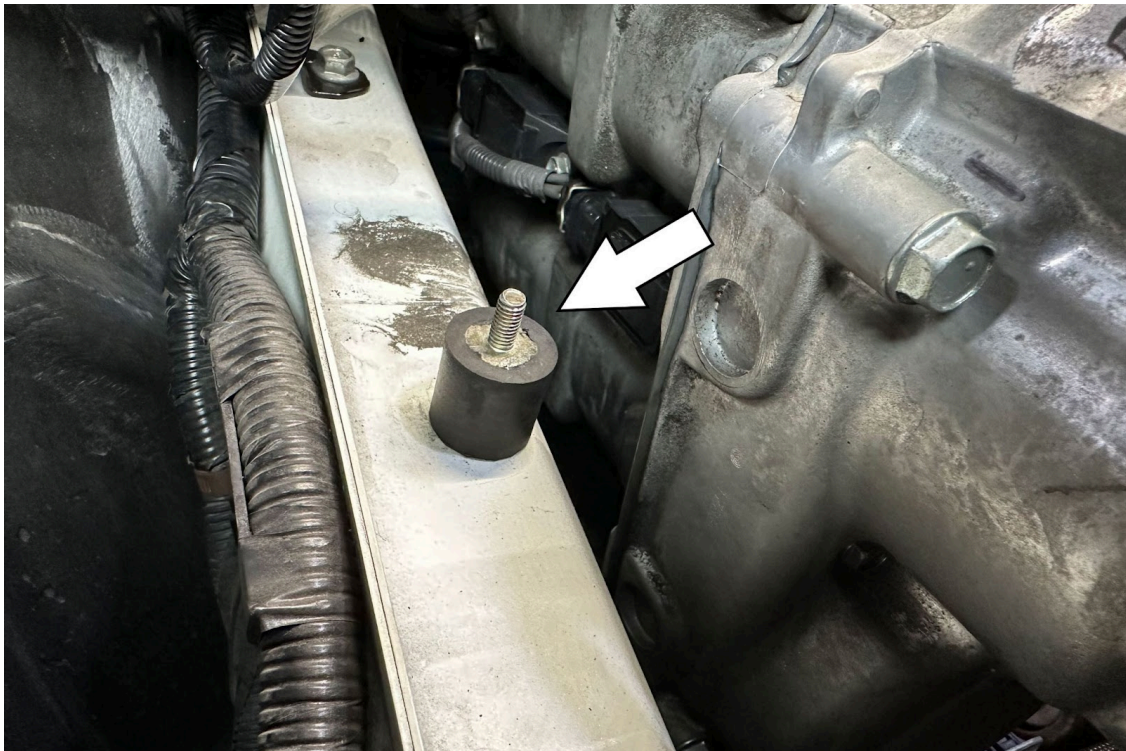
17. Install the passenger side heat shield bracket to the heat shield using one provided M6 x 16mm long bolt, one nut, and two washers.



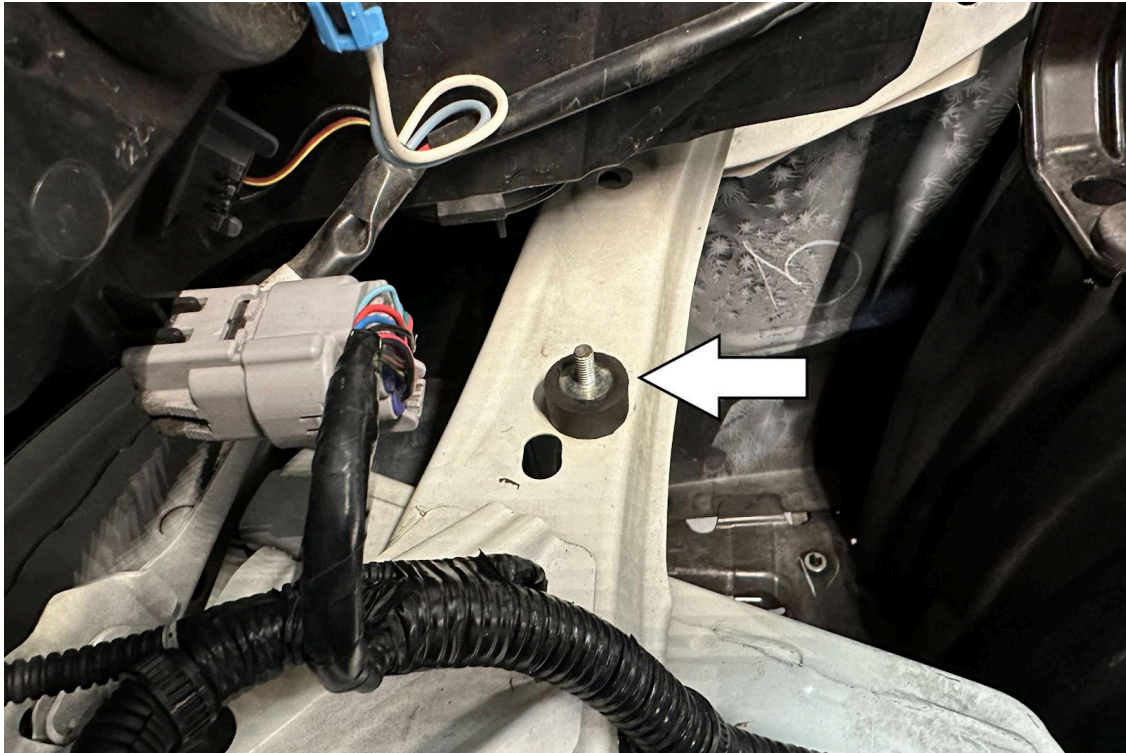
18. Install the driver side heat shield bracket to the heat shield using one provided M6 x 16mm long bolt, one nut, and two washers.



19. Install the front side heat shield bracket to the heat shield using one provided M6 x 16mm long bolt, one nut, and two washers.



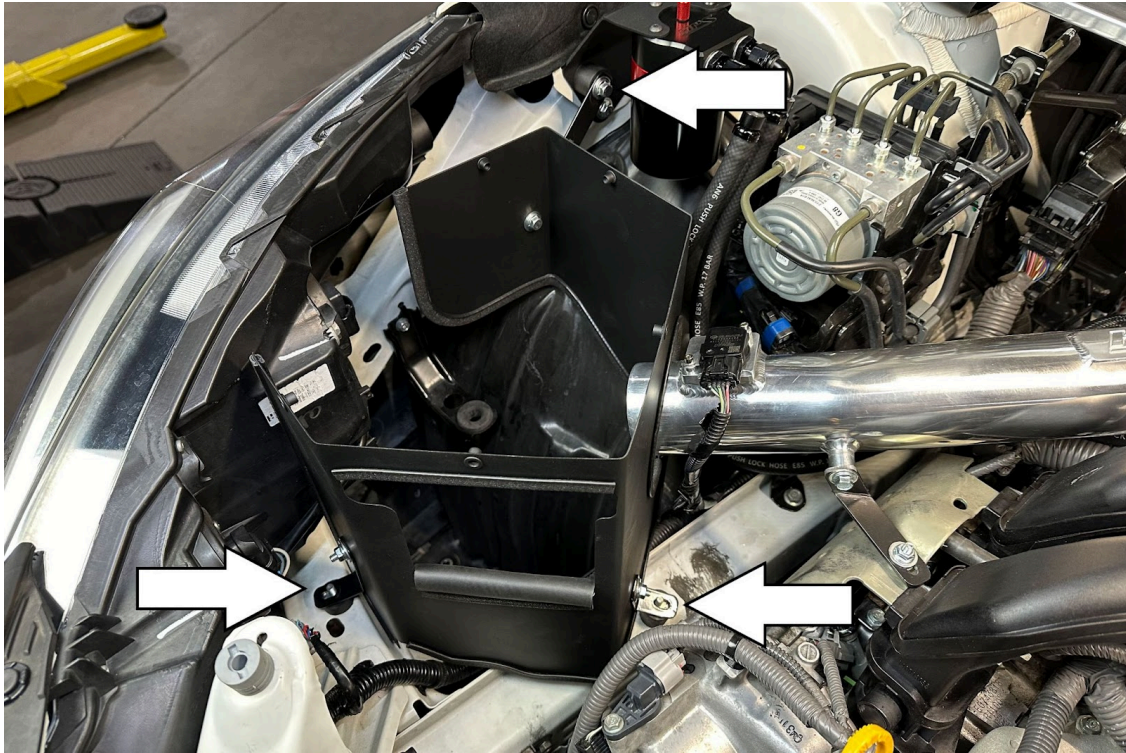
20. Install the provided 1" tall rubber vibration mount into the original air box mounting hole located closest to the engine.



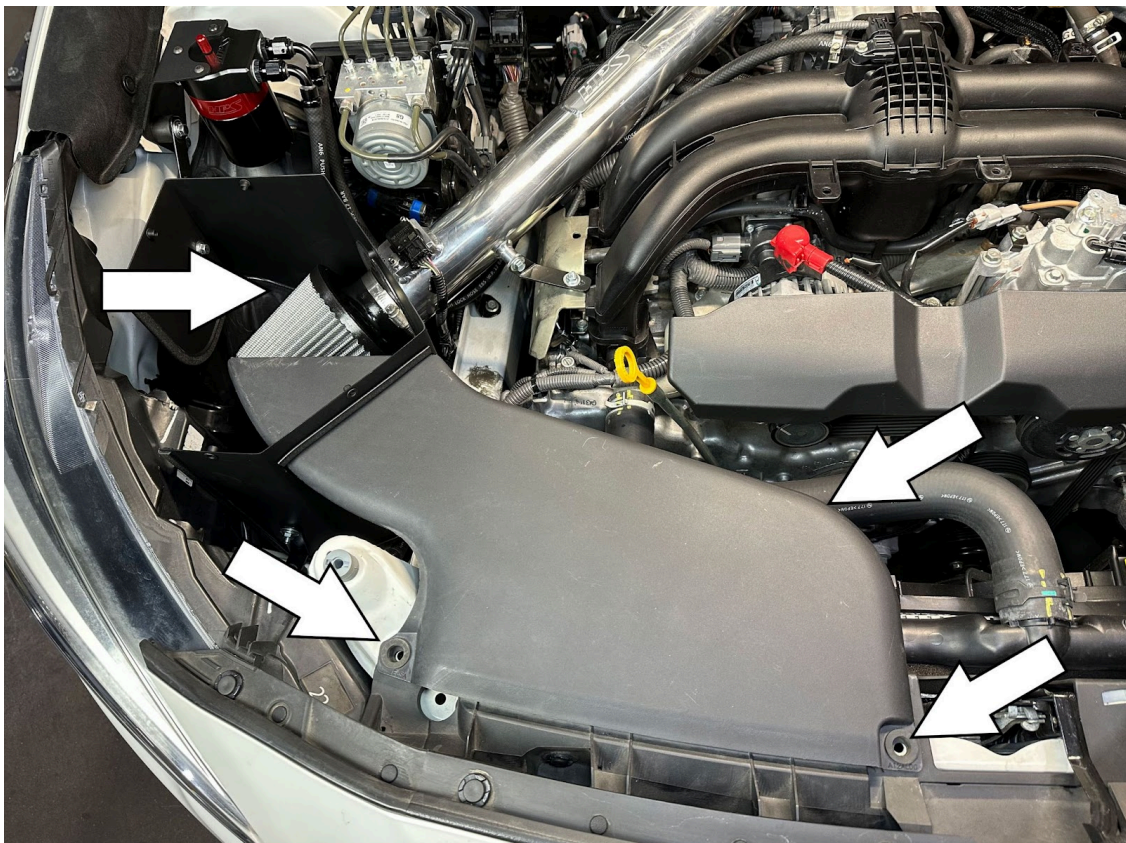
21. Install the 1/2" tall rubber vibration mount into the original air box mounting hole located closest to the front of the vehicle.



22. Install the 5/8" tall, male-to-female rubber vibration mount into the passenger inner fender mounting hole indicated above.



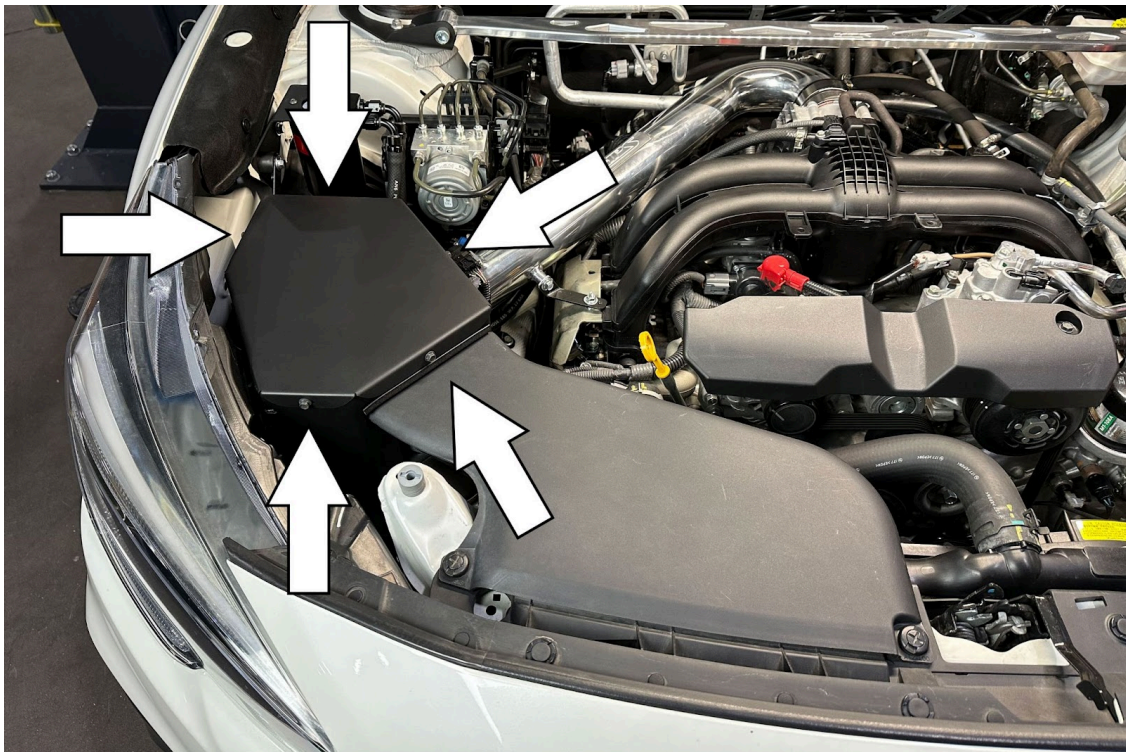
23. Place the heat shield into the engine bay. Align the heat shield brackets to the vibration mounts installed in the previous steps. Use two of each nut and washer to secure the front and drive side brackets to the vibration mounts located at the bottom of the heat shield. Then use one of each washer and M6 x 12mm bolt to secure the passenger side bracket to the vibration mount located at the top of the heat shield.



24. Secure the HPS Performance Air Filter onto the intake pipe. Then slip the air scoop into the HPS heat shield and reinstall the two plastic clips to hold the air scoop in place.



25. Install the provided thin edge trim to the heat shield cover.



26. Install the heat shield cover onto the heat shield using the five provided M5 bolts.

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.

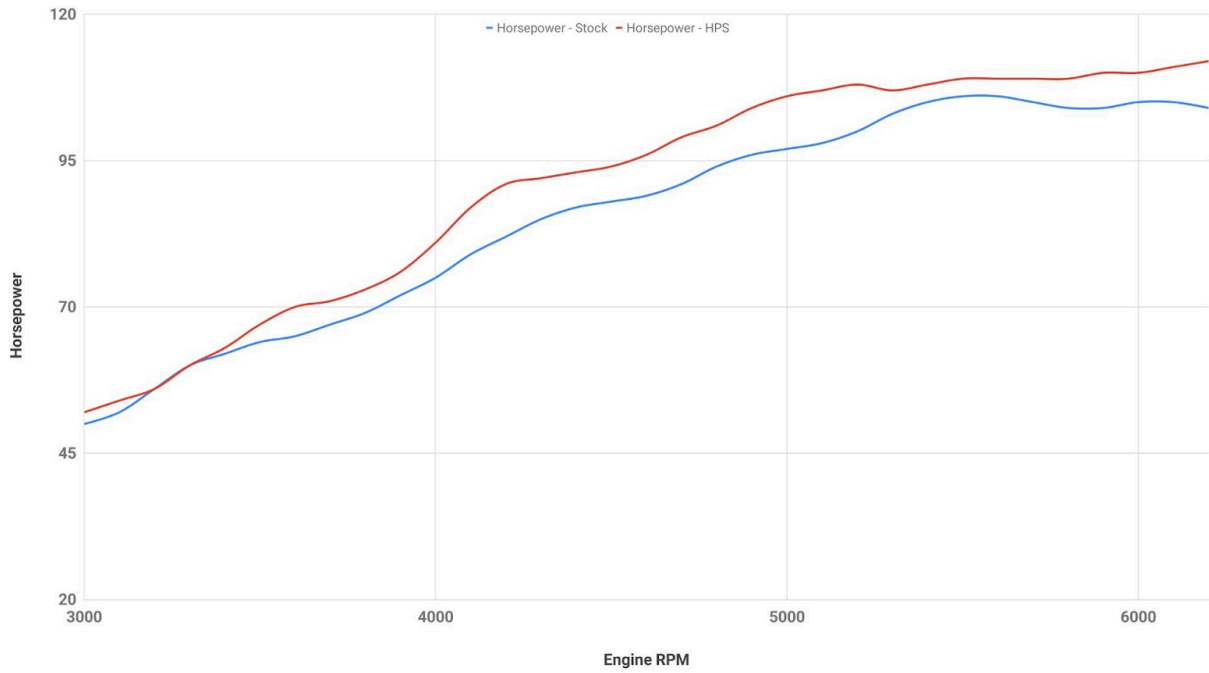
Periodically, recheck the alignment of the intake kit and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.



HPS Performance Air Intake Kit with Heat Shield (827 Series)
2015-2019 Subaru Outback 2.5L Non Turbo
Part Number: 827-769

Maximum Horsepower Gains = 9 whp @ 4200 rpm

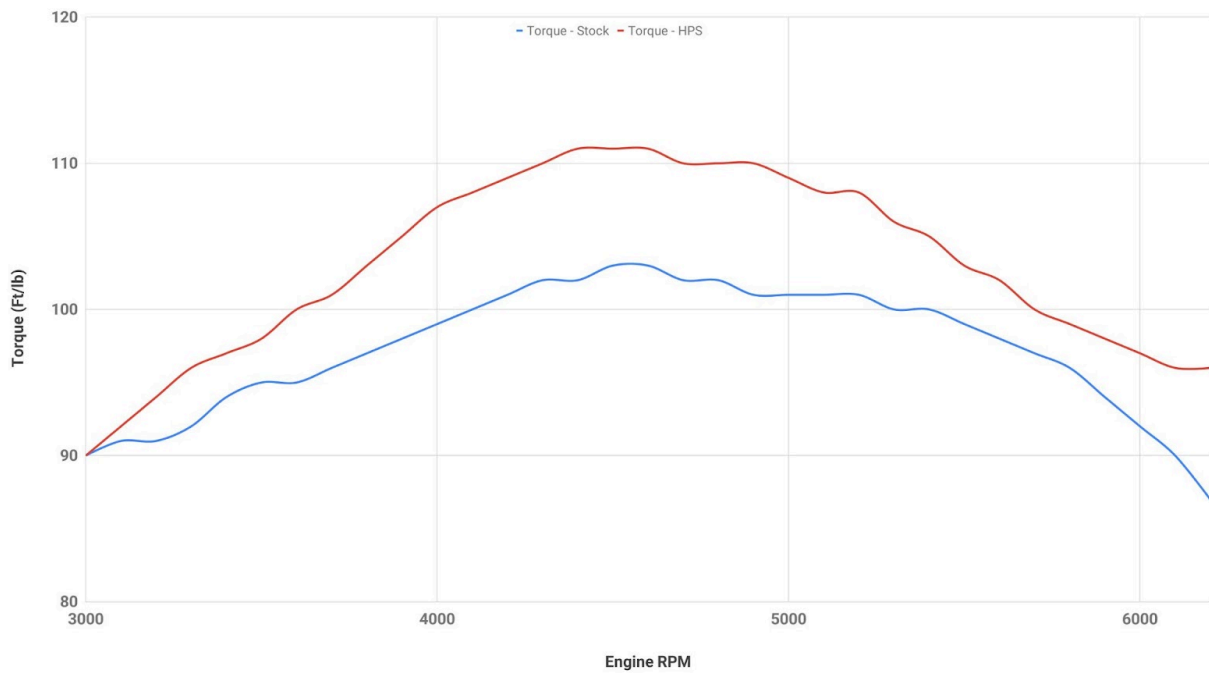
Tested Vehicle 2018 Subaru Outback 2.5L



HPS Performance Air Intake Kit with Heat Shield (827 Series)
2015-2019 Subaru Outback 2.5L Non Turbo
Part Number: 827-769

Maximum Torque Gains = 9 ft/lb @ 4400 rpm

Tested Vehicle 2018 Subaru Outback 2.5L



**Also available for
2015-2019 Subaru Outback 2.5L**



HPS Performance Belt Cover
Part Number [71-101](#)



HPS Performance Oil Catch Can
Part Number [860-006](#)



HPS Performance Front Strut Bar
Part Number [42-107](#)



HPS Performance Replacement Air Filter
For Intake Kit 827-769
Part Number [HPS-4275](#)



**HPS Performance Air Filter
Cleaning and Recharge Kit**
Part Number [HPS-AFRC](#)



HPS Magnetic Oil Drain Plug
Part Number [MDP-M16x150](#)

**Contact an authorized HPS Performance dealer or
visit us at hpsperformance.com for more details**