



Performance Air Intake Kit

Part Number: 827-729

Acura 2019-2024 RDX 2.0L Turbo

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: 827-729

Line #	Description	Part Number	Qty
1	Air Intake Pipe	529-947	1
2	Heat Shield	531-939	1
3	Heat Shield Lid	531-940	1
4	Heat Shield Bracket	530-447	2
5	HPS Performance Air Filter	HPS-4302	1
6	Reducer Coupler, 3" - 3-1/4", 2-1/4" Long	P3SR-300-325-L225	1
7	Reducer Coupler, 3-3/8" - 3-1/2", 2-1/2" Long	P3SR-338-350-L25	1
8	Embossed Hose Clamp, 2-3/4" - 3-1/2"	EMSC-70-90	1
9	Embossed Hose Clamp, 3-1/8" - 4"	EMSC-80-100	2
10	Embossed Hose Clamp, 3-1/2" - 4-5/16"	EMSC-90-110	1
11	Velocity Stack, 3-1/2" to 6" Inlet	HW-VS-350-600	1
12	Rubber Vibration Mount, M6, 1/2" Tall	HW-RM6-50	3
13	Flat Washer, M6, 16mm OD	HW-FW6L	9
14	Flange Nut, M6	HW-N6	5
15	Bolt, M6 x 1.0, 12mm Long	HW-B6-12	2
16	Bolt, M6 x 1.0, 16mm Long	HW-B6-16	2
17	Bolt, M4 x 0.7, 8mm Long	HW-B4-8	2
18	Bolt, M5 x 0.8, 12mm Long	HW-B5-8H	5
19	Thin Edge Trim	THIN EDGE TRIM	32 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!

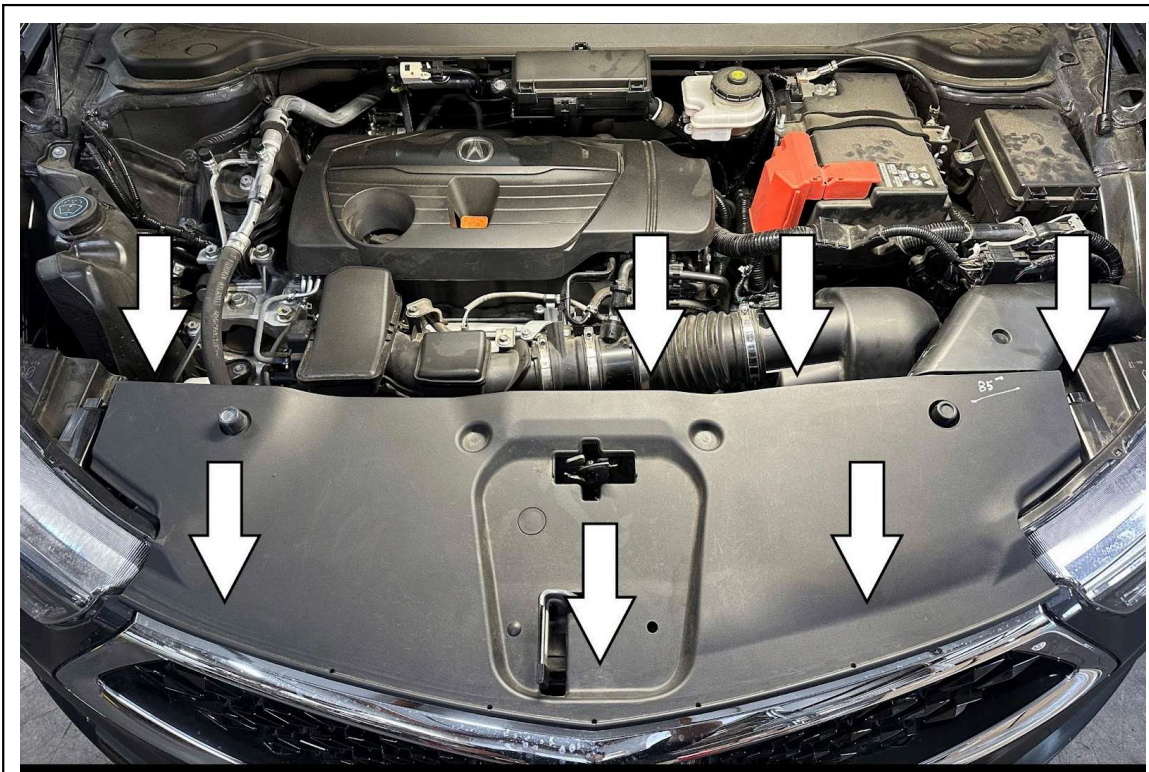
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

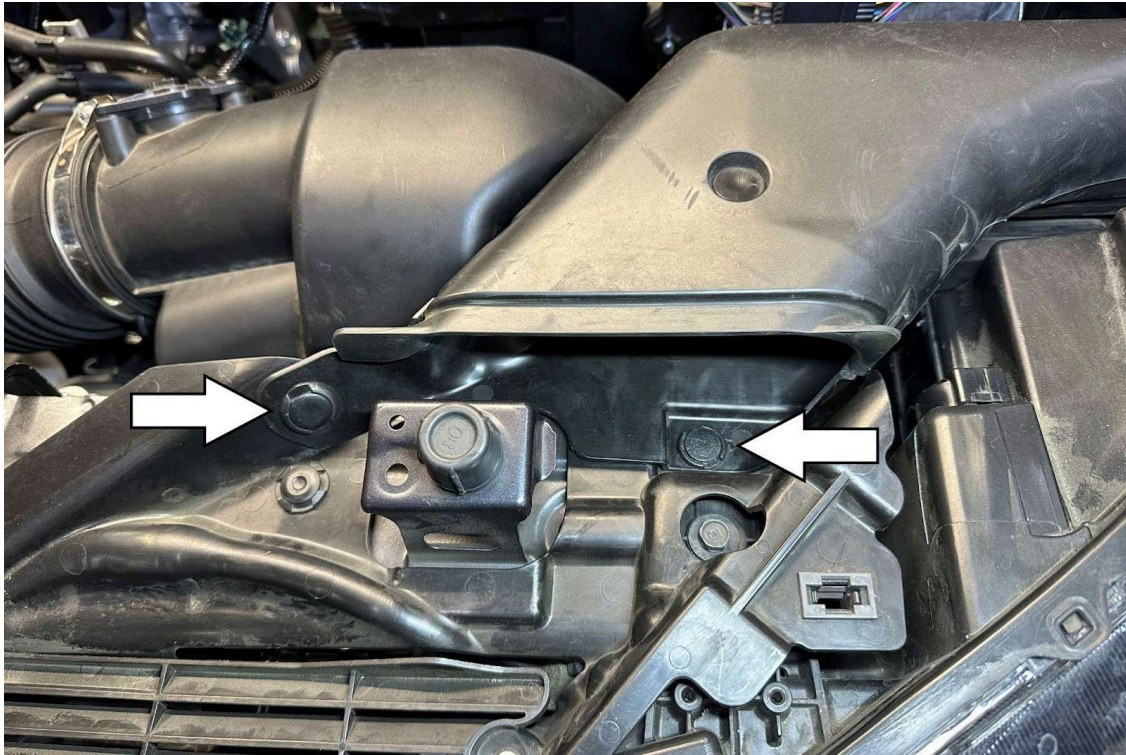
GETTING STARTED

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.

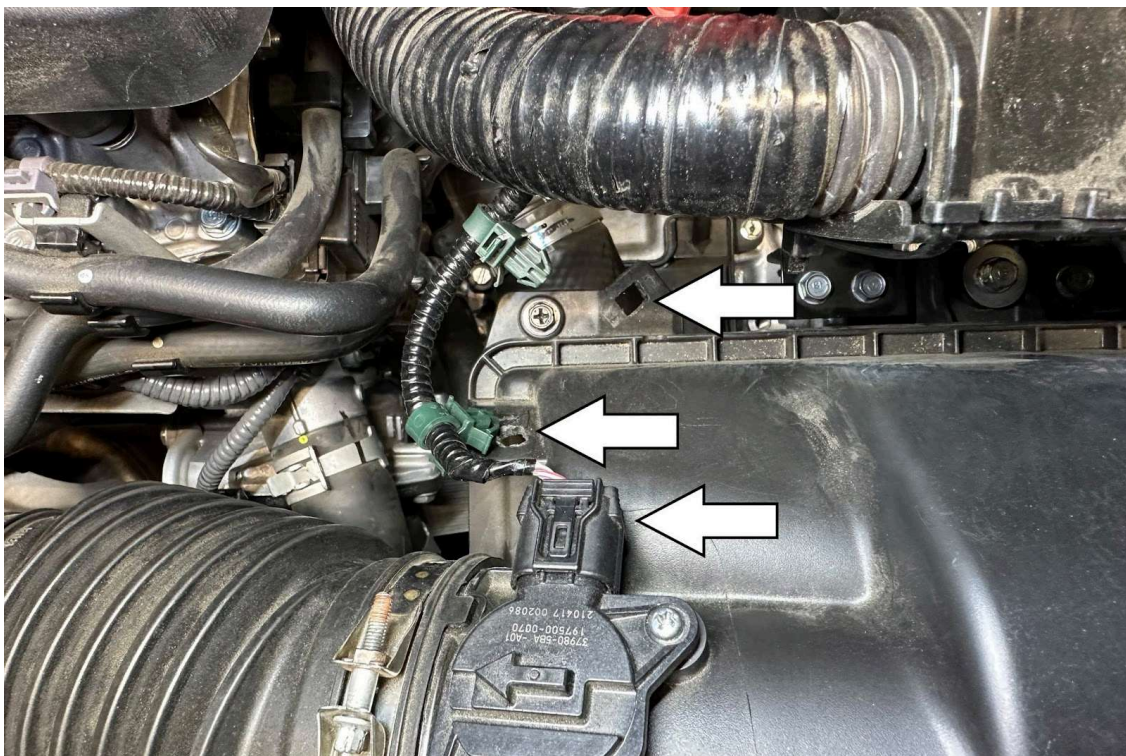
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



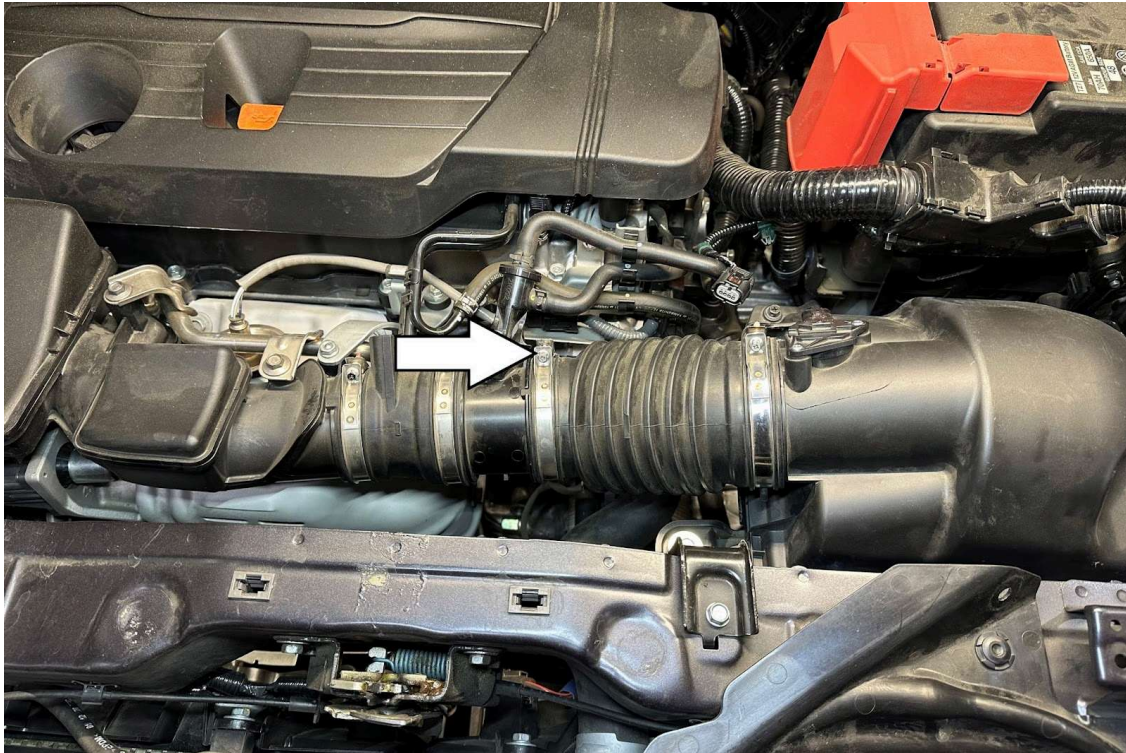
2. Carefully pull up the plastic panel at the points indicated in the image above to remove it from the vehicle.



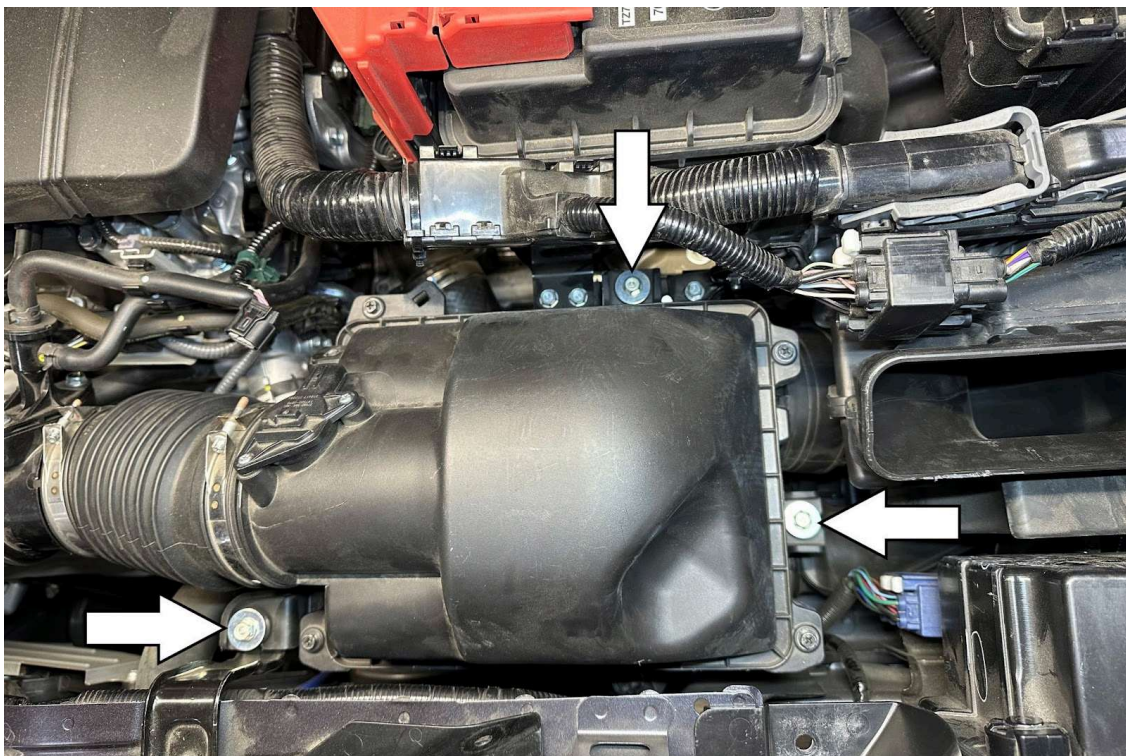
3. Remove the two plastic clips securing the intake scoop to the vehicle.



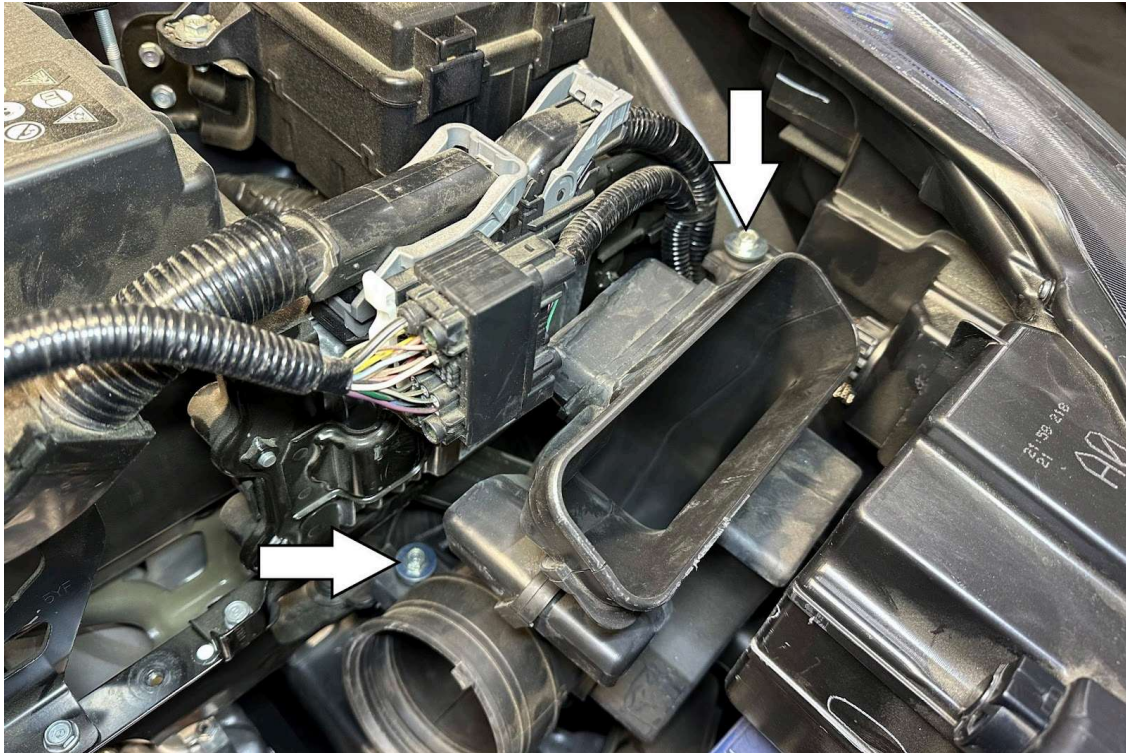
4. Remove the two mass air flow sensor harness clips from the intake box and disconnect the mass air flow sensor.



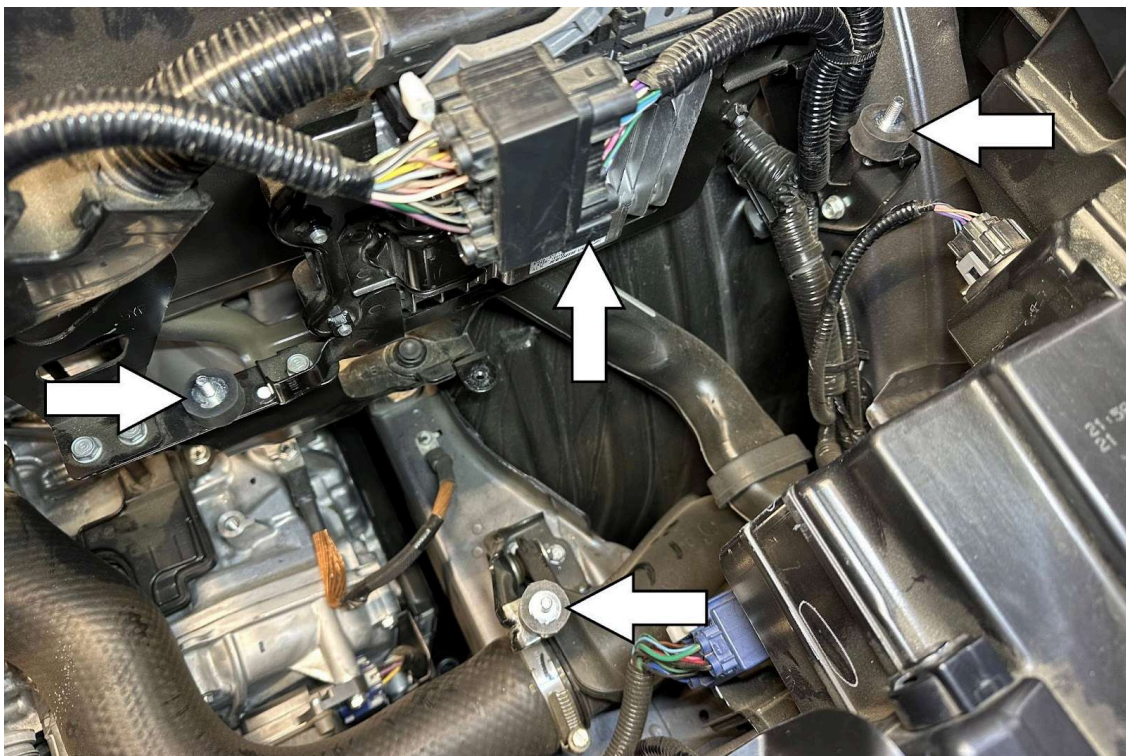
5. Loosen the clamp on the intake hose and disconnect the hose from the plastic pipe.



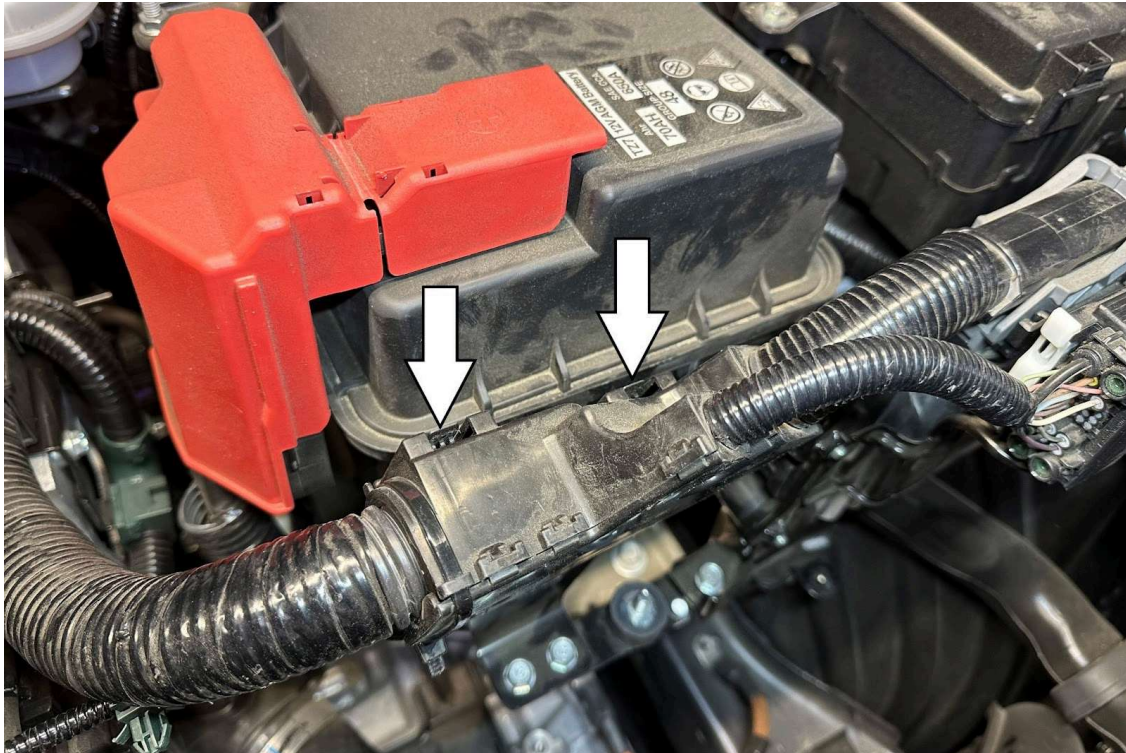
6. Remove the three bolts securing the air box and remove it from the vehicle.



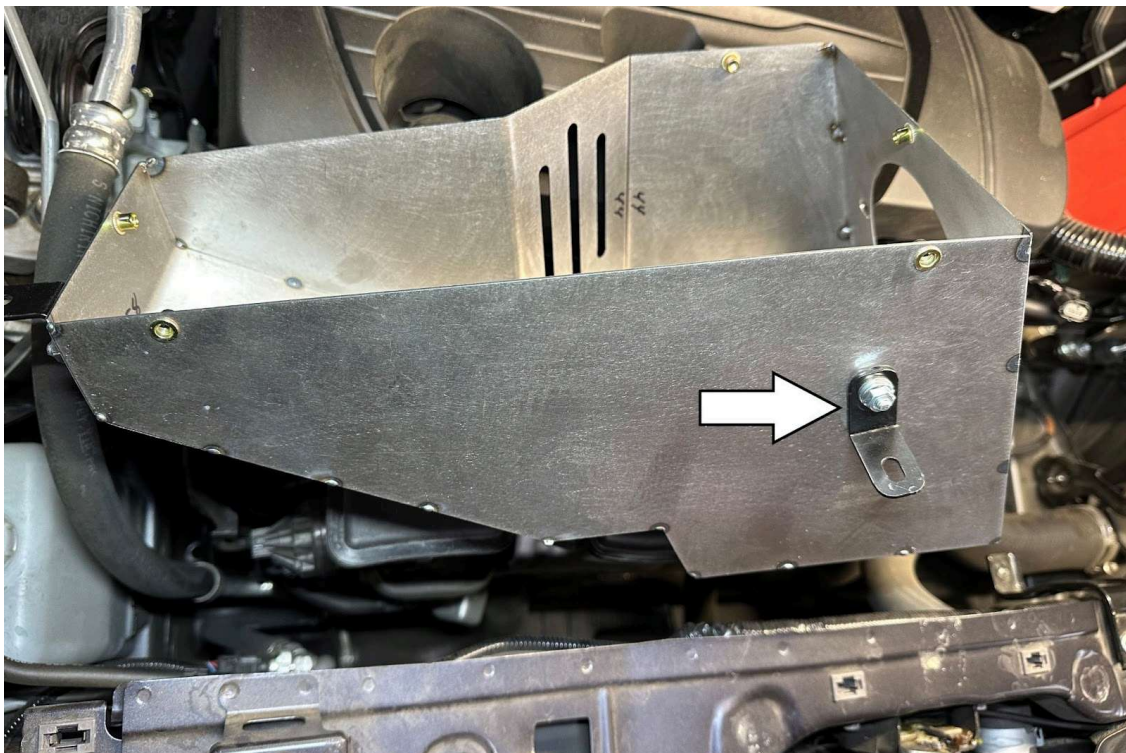
7. Remove the two bolts securing the air scoop and remove it from the vehicle.



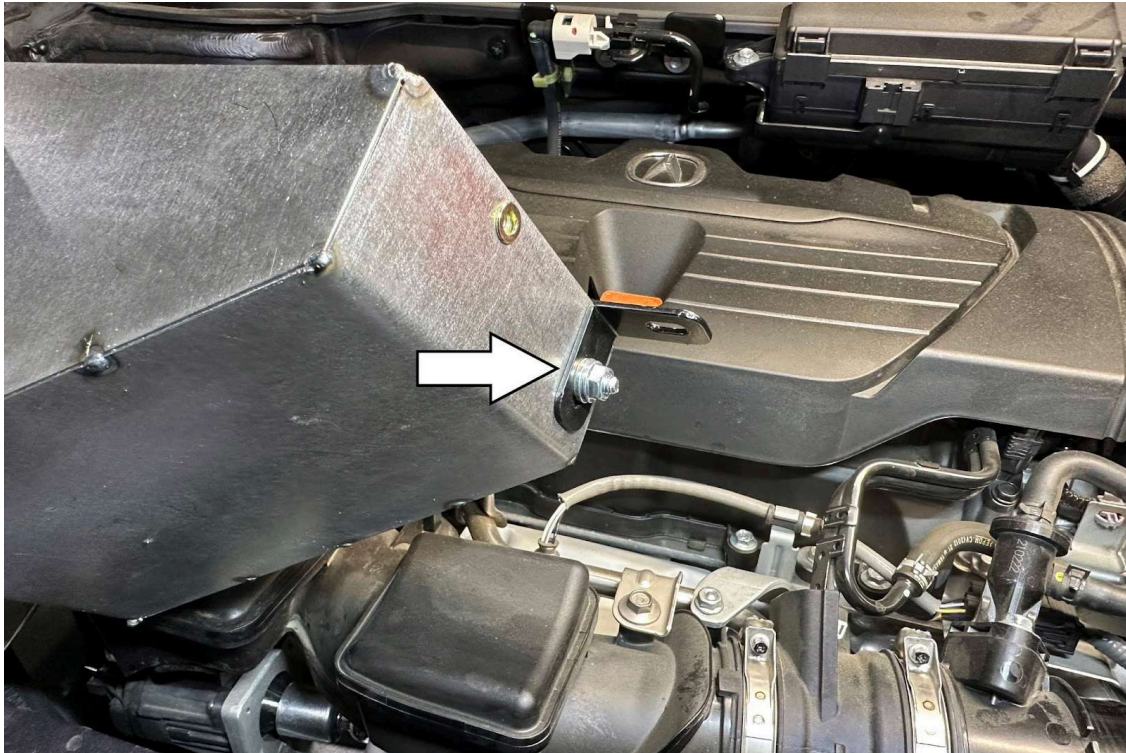
8. Install the three vibration mounts at the locations shown in the image above. Unclip the harness clip. Then, pull the harness off of the harness mount for clearance to install the heat shield in the following steps.



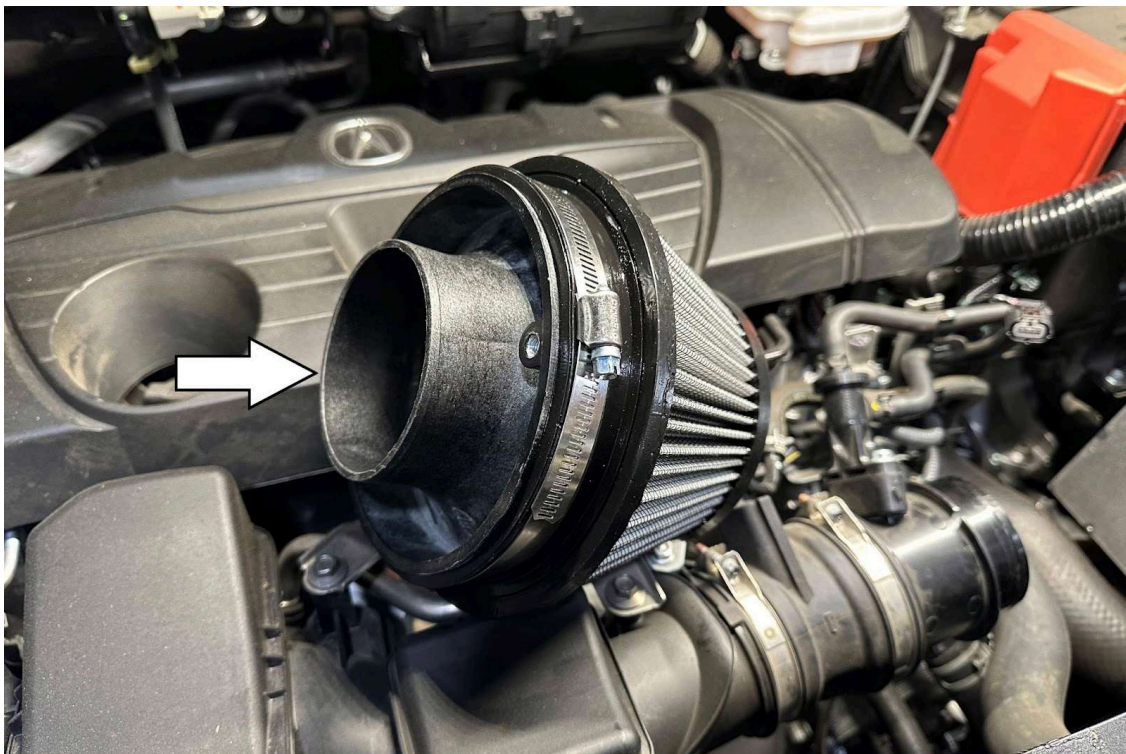
9. Uninstall the harness mount located next to the battery by pushing and lifting the tabs away from the harness.



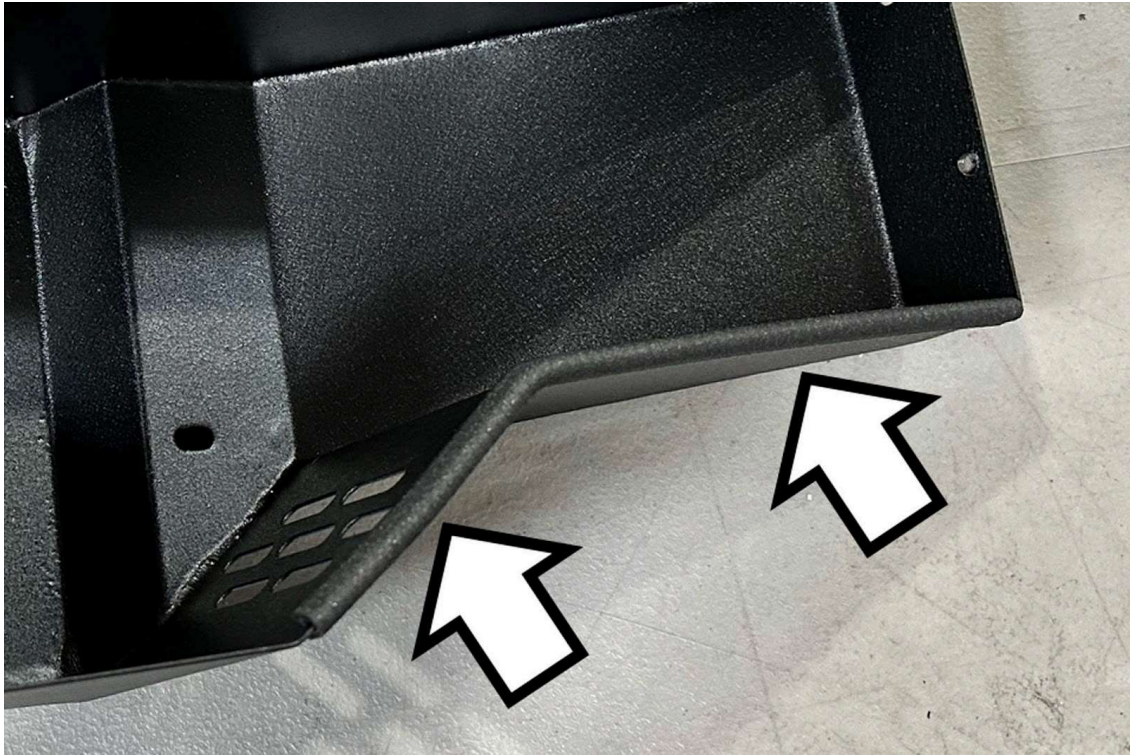
10. Install the bracket onto the rear of the heat shield using an M6 nut, M6x16mm long bolt, and two washers. For this bracket, bolt the shorter side to the heat shield.



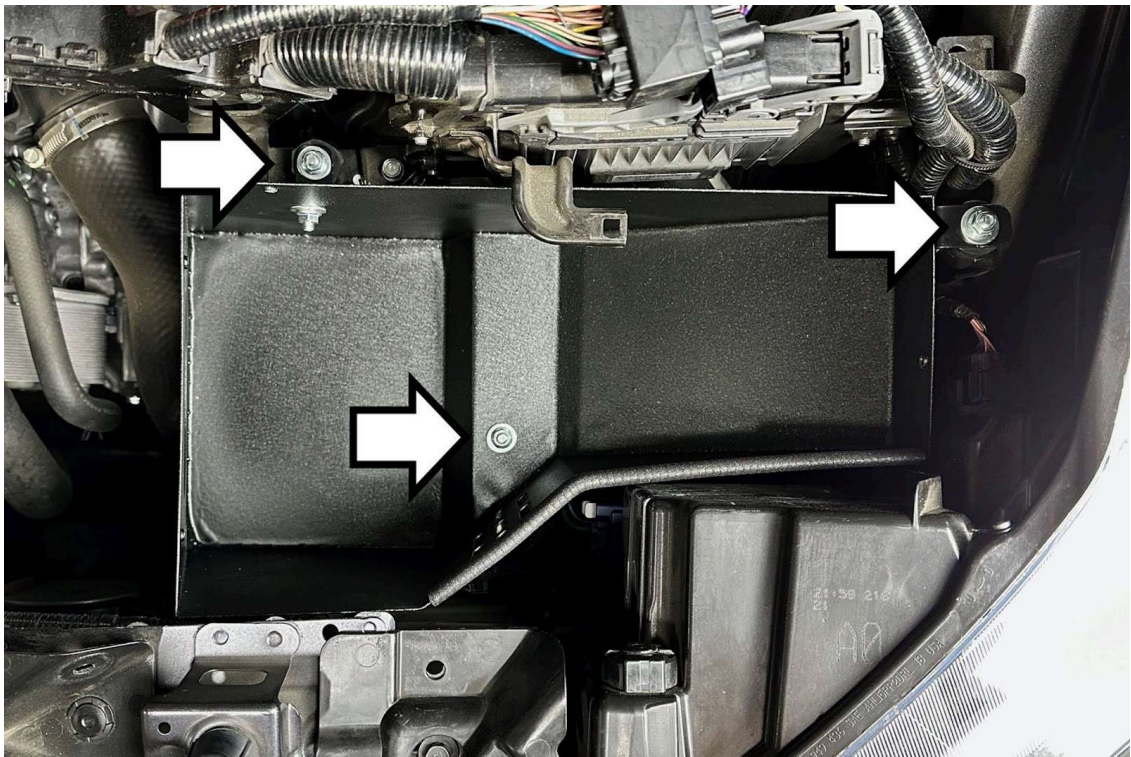
11. Secure the other bracket onto the side of the heat shield using another M6 nut, M6x16mm long bolt, and two washers. For this bracket, bolt the longer side of the bracket to the heat shield.



12. Install the velocity stack onto the HPS air filter.



13. Cut 10 inches of the provided edge trim and install it onto the heat shield as shown.



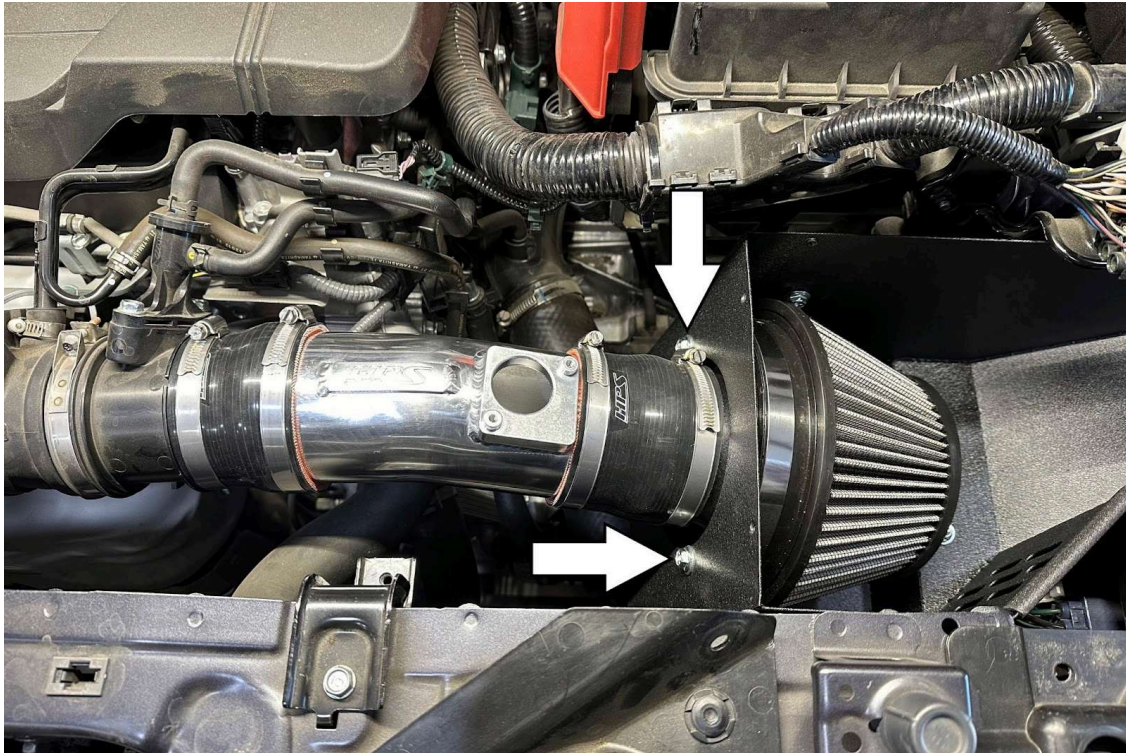
14. Carefully place the heat shield into position and align the mounting points with the rubber vibration mounts installed in step 8. Use an M6 washer and nut to secure each of the three mounting points.



15. Assemble the HPS intake pipe using the two reducer couplers and all four clamps. The shorter reducer coupler goes onto the logo side and the longer reducer goes onto the sensor flange side.



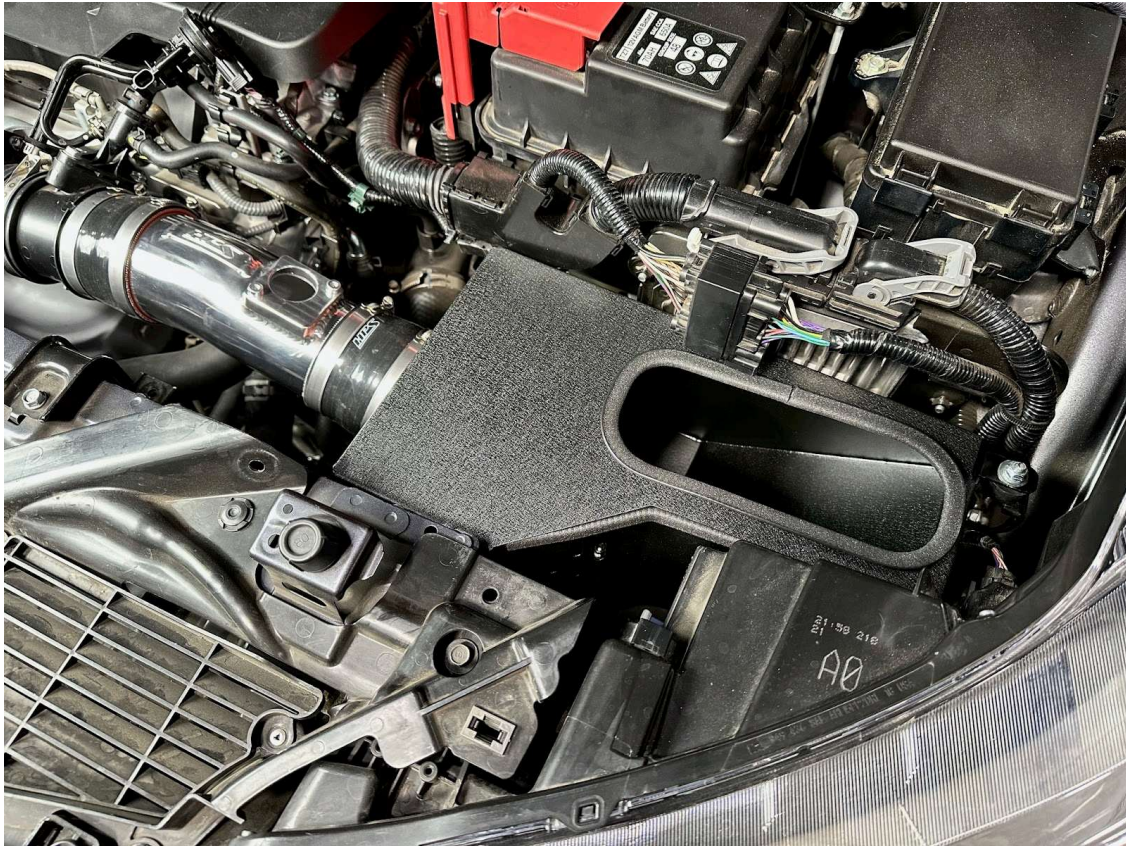
16. Install the pre-assembled HPS intake onto the stock inlet pipe.



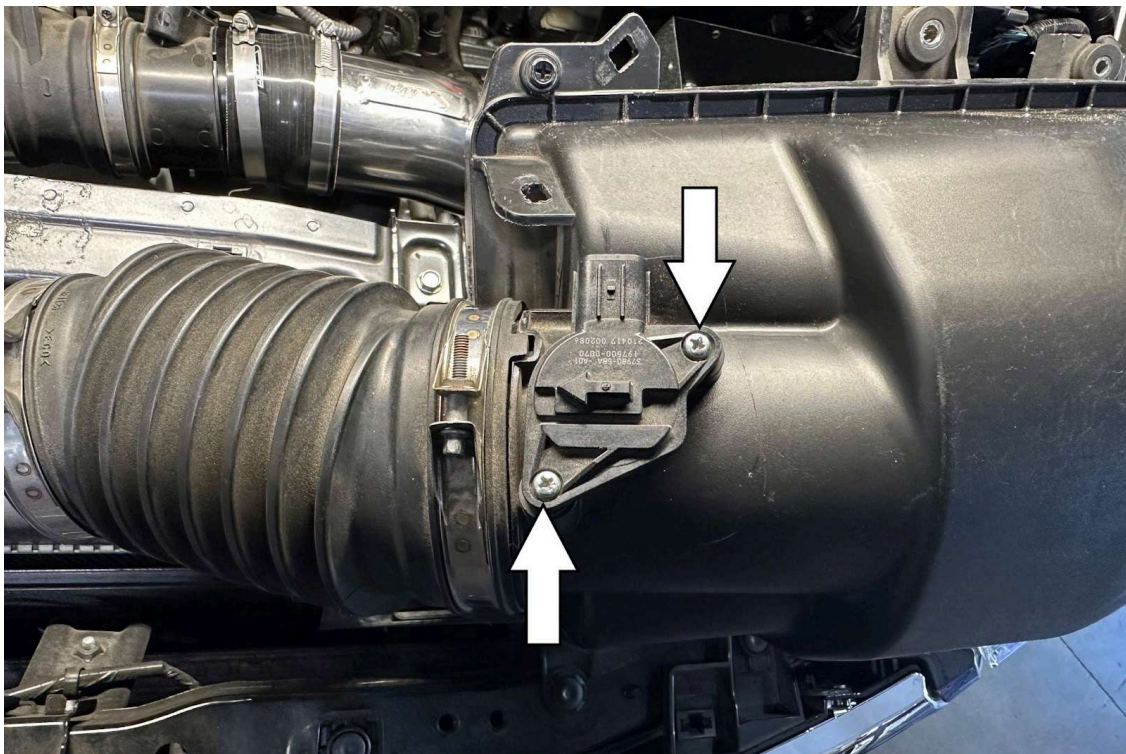
17. Secure the pre-assembled HPS air filter and velocity stack onto the heat shield using two M6 flat washers and two M6x12mm long bolts. Then, position the intake pipe and tighten the four clamps.



18. Install the thin edge trim onto the heat shield lid as shown in the image above.



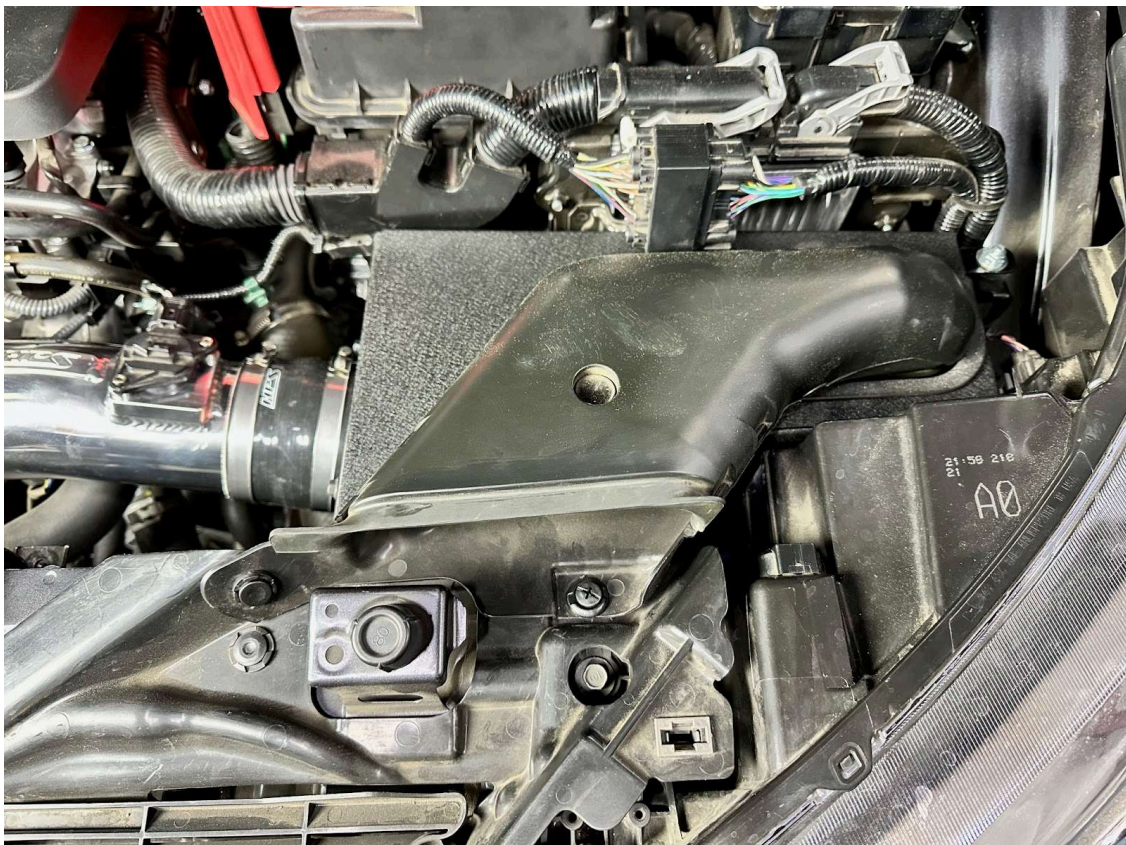
19. Install the heat shield lid using the five provided M5 bolts and then reinstall the two harnesses back into their original places.



20. Remove the two screws holding the MAF sensor to the MAF housing and remove it from the original air box.



21. Install the MAF sensor onto the HPS air intake pipe using the two provided M4 Allen bolts and reconnect the MAF sensor.



22. Reinstall the original air scoop. Lastly, reinstall the front plastic panel.

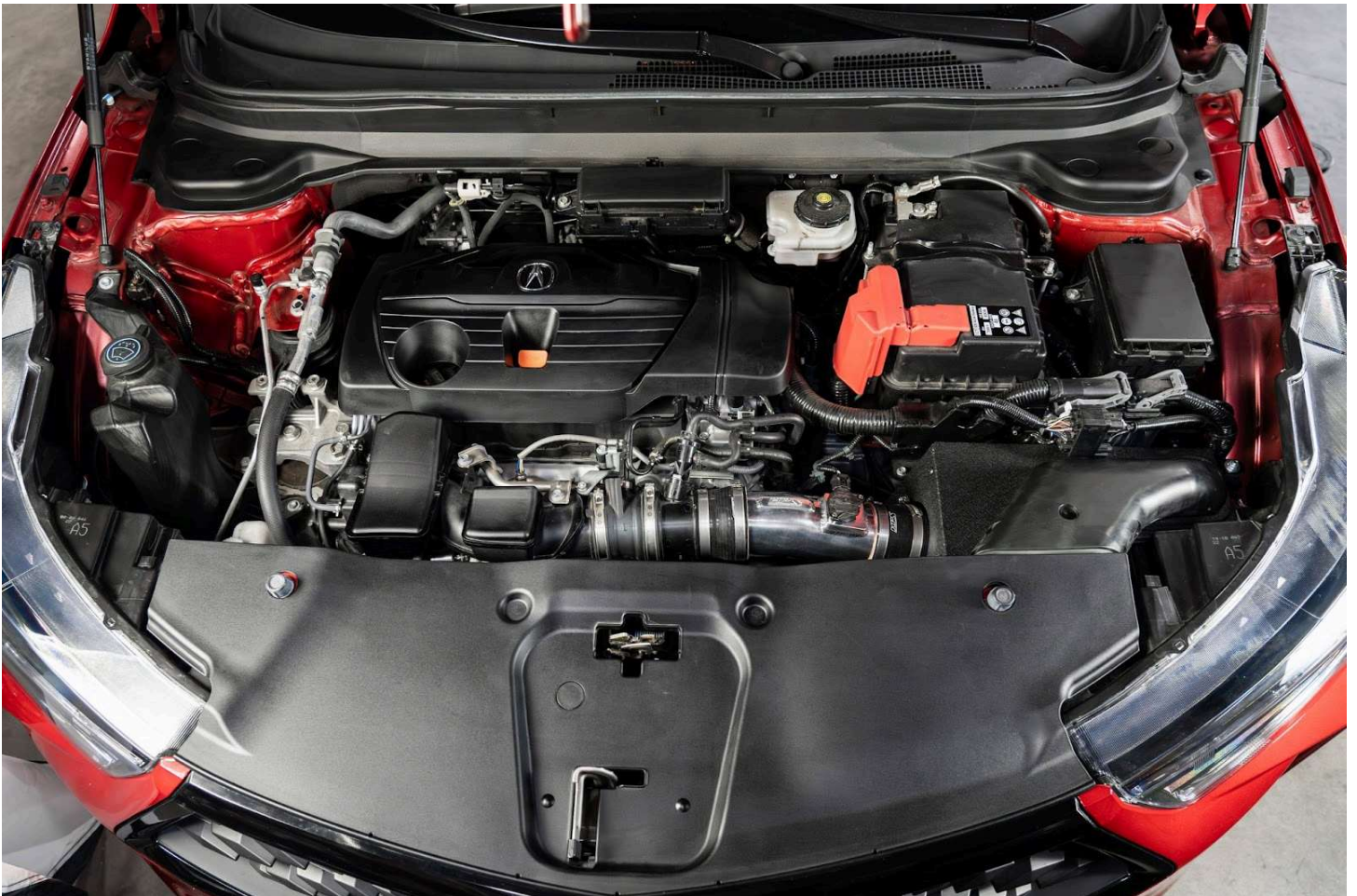
FINAL STEPS

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.

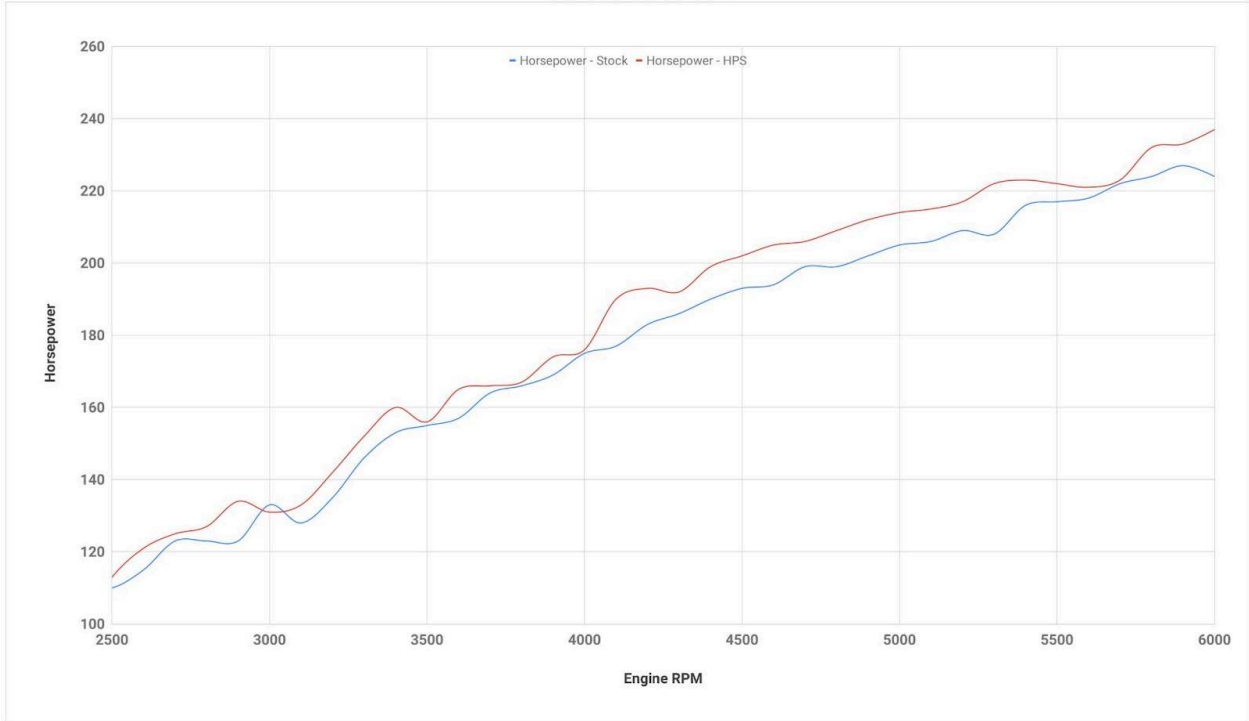
Periodically, recheck the alignment of the intake kit and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.



HPS Performance Air Intake Kit with Heat Shield (827 Series)
2019-2024 Acura RDX 2.0L Turbo
Part Number: 827-729

Maximum Horsepower Gains = 9 whp @ 5000 rpm

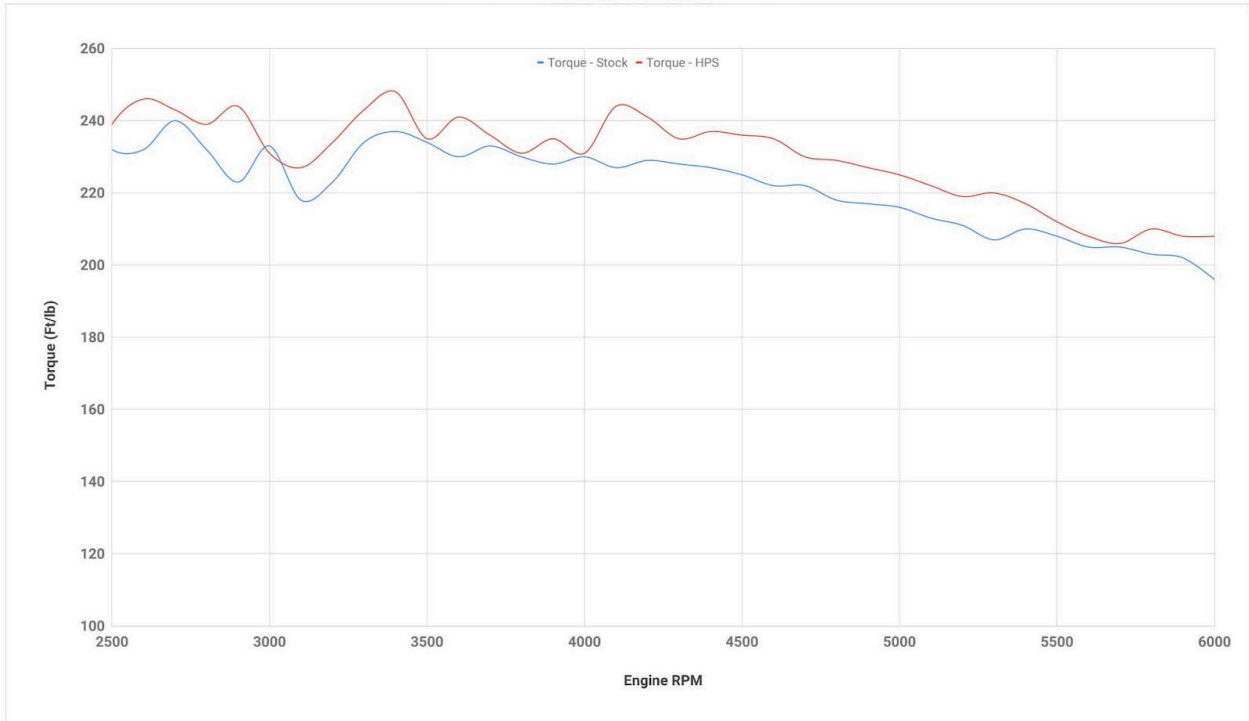
Tested Vehicle: 2022 Acura RDX 2.0L Turbo



HPS Performance Air Intake Kit with Heat Shield (827 Series)
2019-2024 Acura RDX 2.0L Turbo
Part Number: 827-729

Maximum Torque Gains = 9 ft/lb @ 5000 rpm

Tested Vehicle: 2022 Acura RDX 2.0L Turbo



Also available for:
Acura 2019-2024 Acura RDX 2.0L Turbo



HPS Performance Replacement Air Filter
For Intake Kit 827-729
Part Number [HPS-4302](#)



HPS Cold Side Charge Pipe Kit
Part Number [17-124](#)



HPS Magnetic Oil Drain Plug
Part Number [MDP-M14x150](#)



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

Contact an authorized HPS Performance dealer or
visit us at [hpsperformance.com](https://www.hpsperformance.com) for more details