Performance Air Intake Kit

Part Number: 827-728

Acura 2022-2026 MDX Type S 3.0L 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.

Last Revision KC02242025

Bill of Materials

Kit Number: 827-728

Line #	Description	Part Number	Qty
1	Air Intake Pipe	529-930	1
2	Heat Shield	531-931	1
3	Heat shield Lid	531-932	1
4	“Z” Bracket	530-406	1
5	“L” Bracket	530-933	1
6	HPS Performance Air Filter	HPS-4302	1
7	3.50” Coupler x 2.00” Long	P3SC-350-L2	1
8	3.50” Coupler x 2.50” Long	P3SC-350-L25	1
9	T-Bolt Clamp for 3.50” Hose	SSTC-89-97	4
10	Bolt, M4 x 0.7, 8mm Long	HW-B4-8	2
11	Bolt, M5 x 0.8, 12mm Long	HW-B5-12	4
12	Bolt, M6 x 1.0, 12mm Long	HW-B6-12	3
13	Bolt, M6 x 1.0, 16mm Long	HW-B6-16	2
14	M6 Flange Nut	HW-N6	3
15	M6 Flat Washer 16mm OD	HW-FW6L	8
16	MAF sleeve, no straightener 3.5" reduce to 3.25	HW-VEN-350-325-B	1
17	Velocity Stack 3.5" to 6" inlet	HW-VS-350-600	1
18	Rubber Vibration Mount M6 1/2" Tall	HW-RM6-50	1
19	Thin Edge Trim	75B7x1/16	20 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.

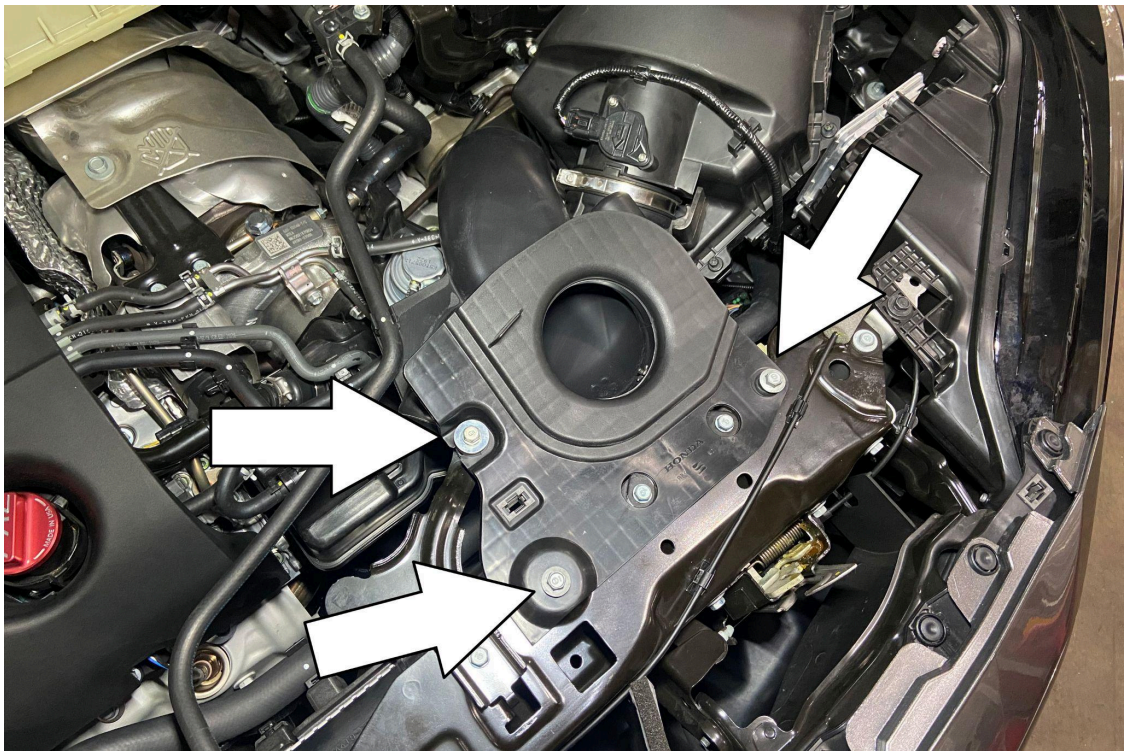
GETTING STARTED

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.

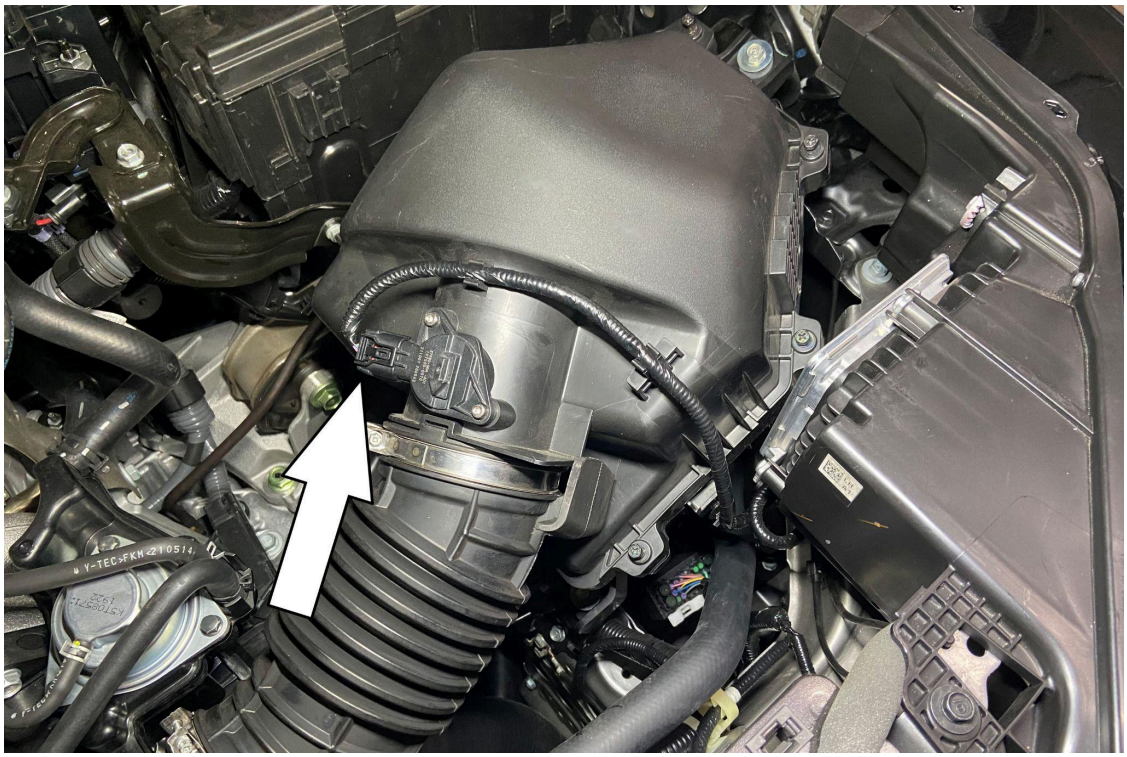
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



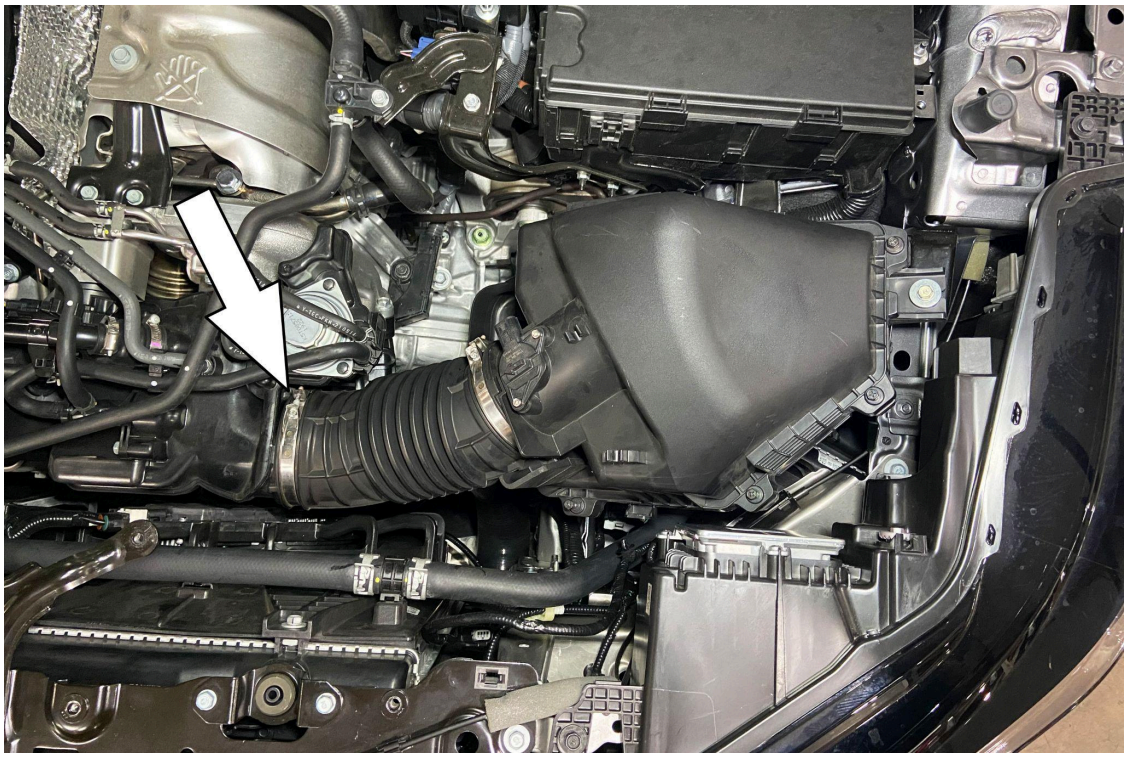
2. Lift up to unclip and remove the radiator cover panel from the vehicle.



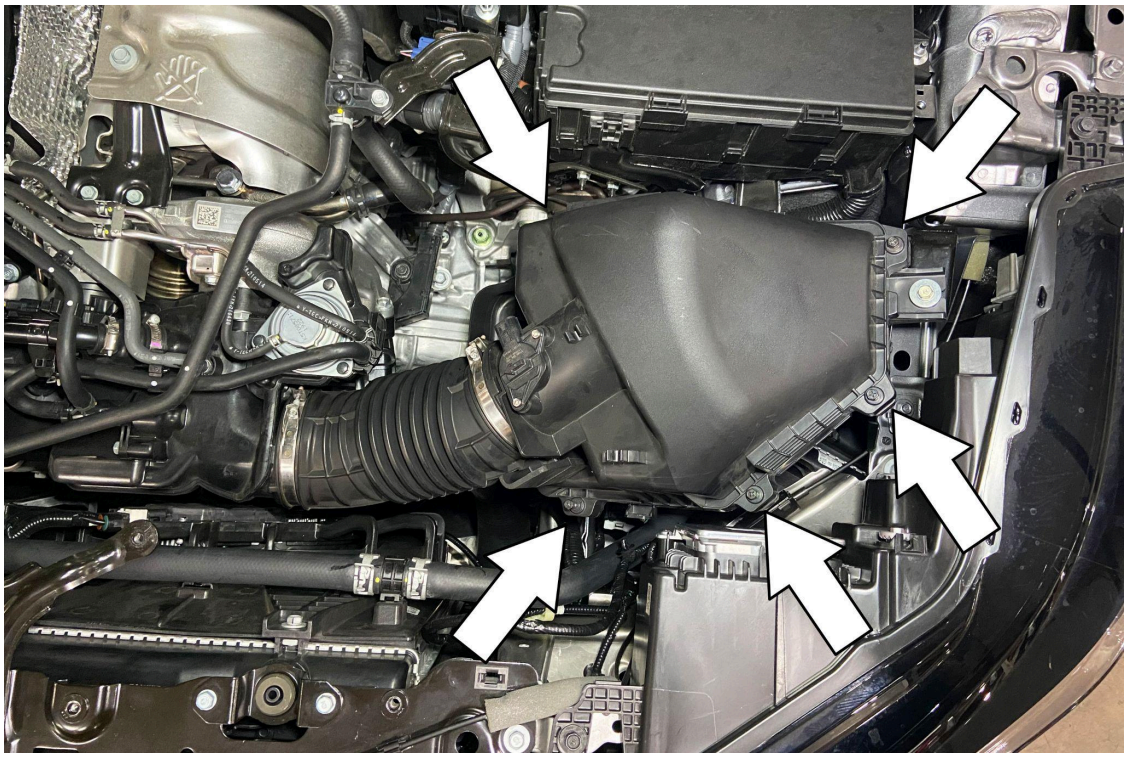
3. Remove the three 10mm bolts securing the factory air duct and remove it from the vehicle.



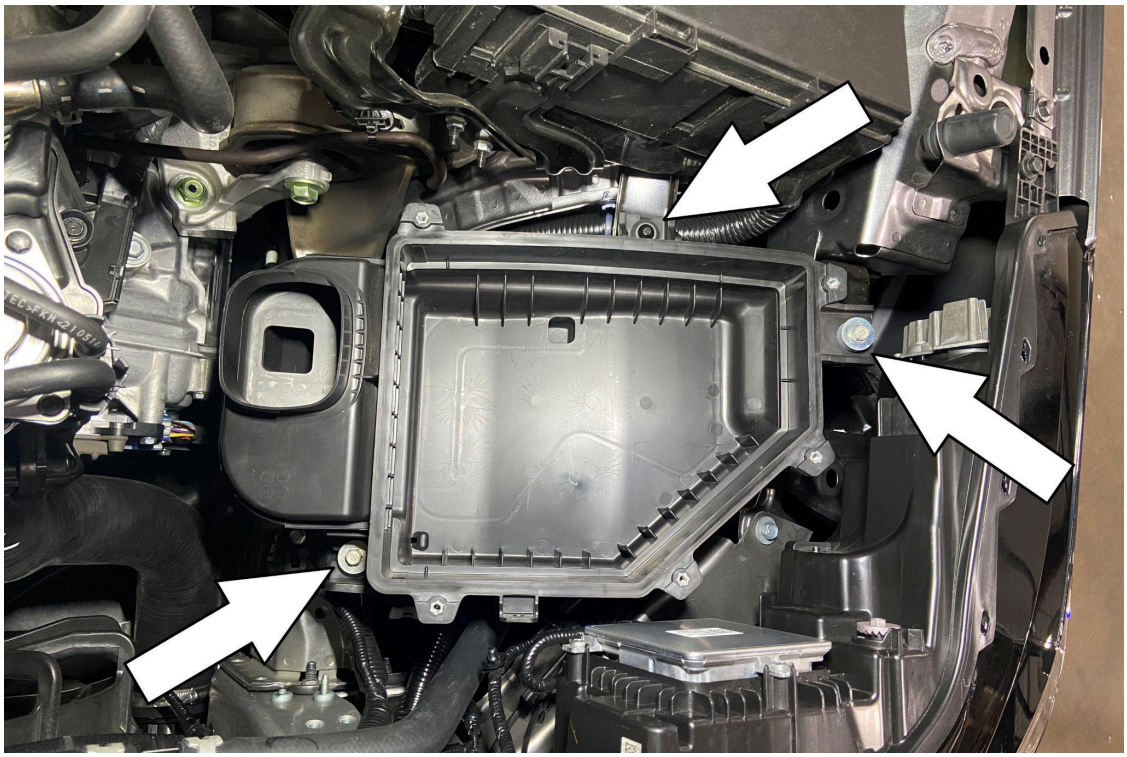
4. Disconnect the electrical connector from the MAF sensor. Unclip the electrical harness from the upper air box.



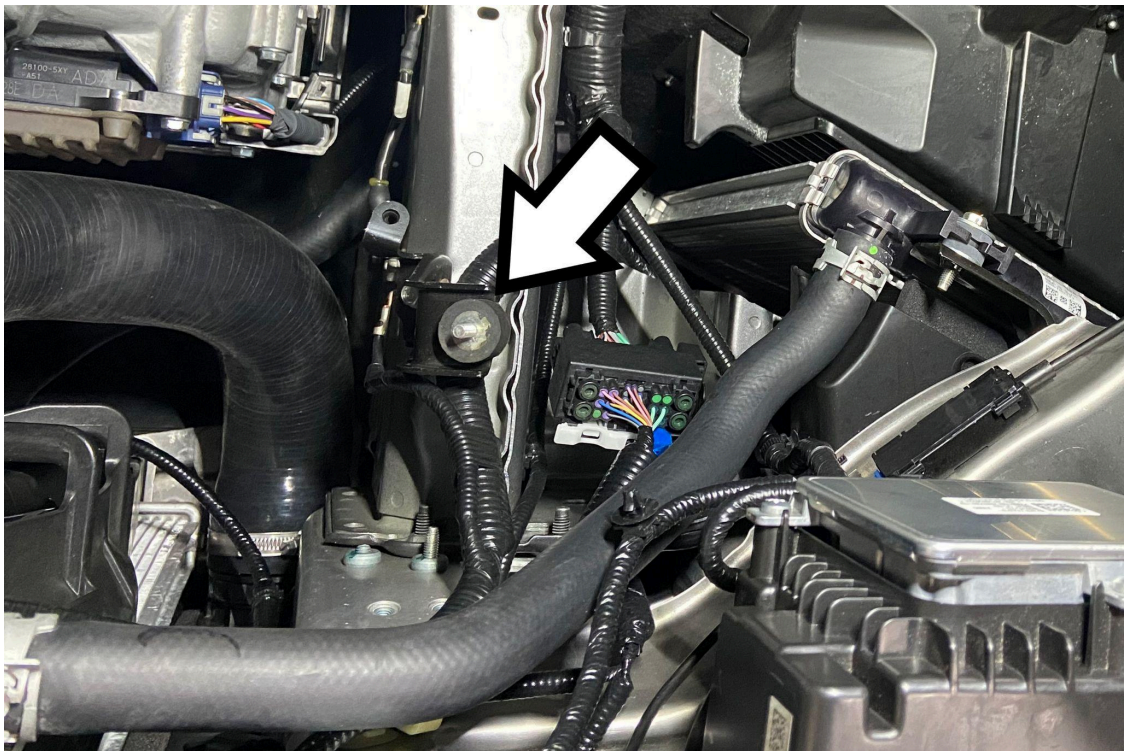
5. Loosen the hose clamp securing the intake tube to the turbo inlet using a 5.5mm socket.



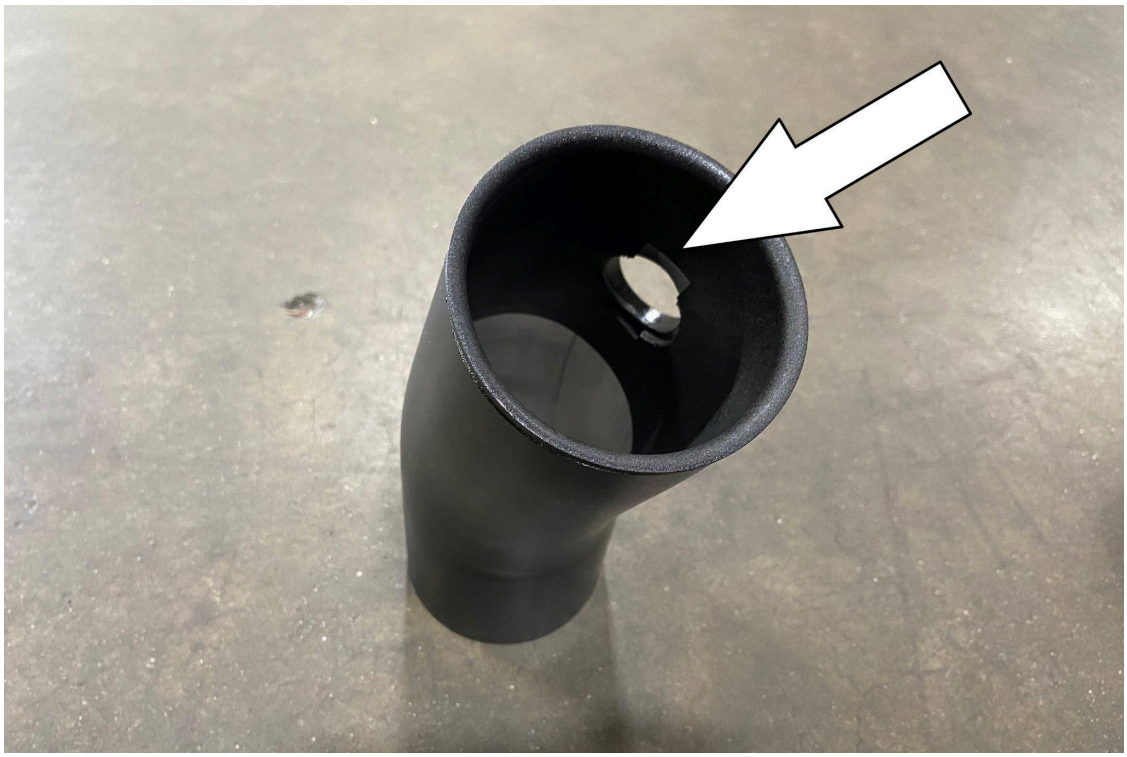
6. Completely loosen the five 8mm bolts from the upper air box. Remove the upper air box along with the factory intake tube from the vehicle.



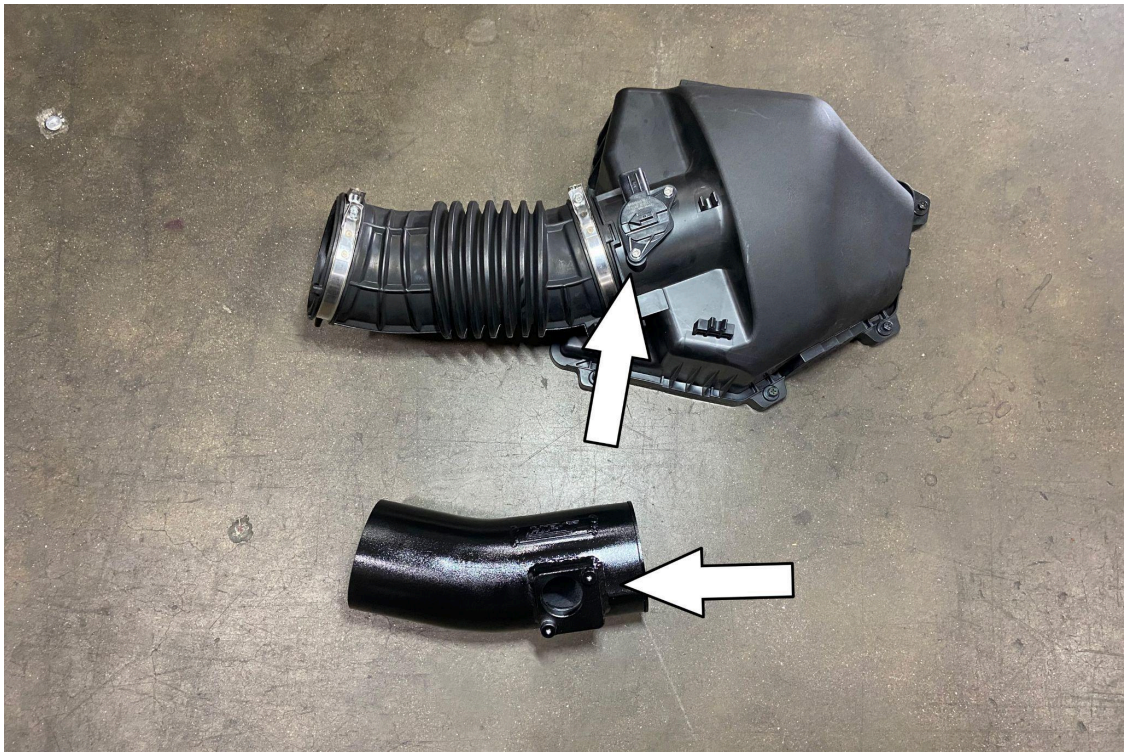
7. Loosen the two 10mm bolts securing the lower air box. Gently pull up and remove the lower air box assembly from the vehicle.



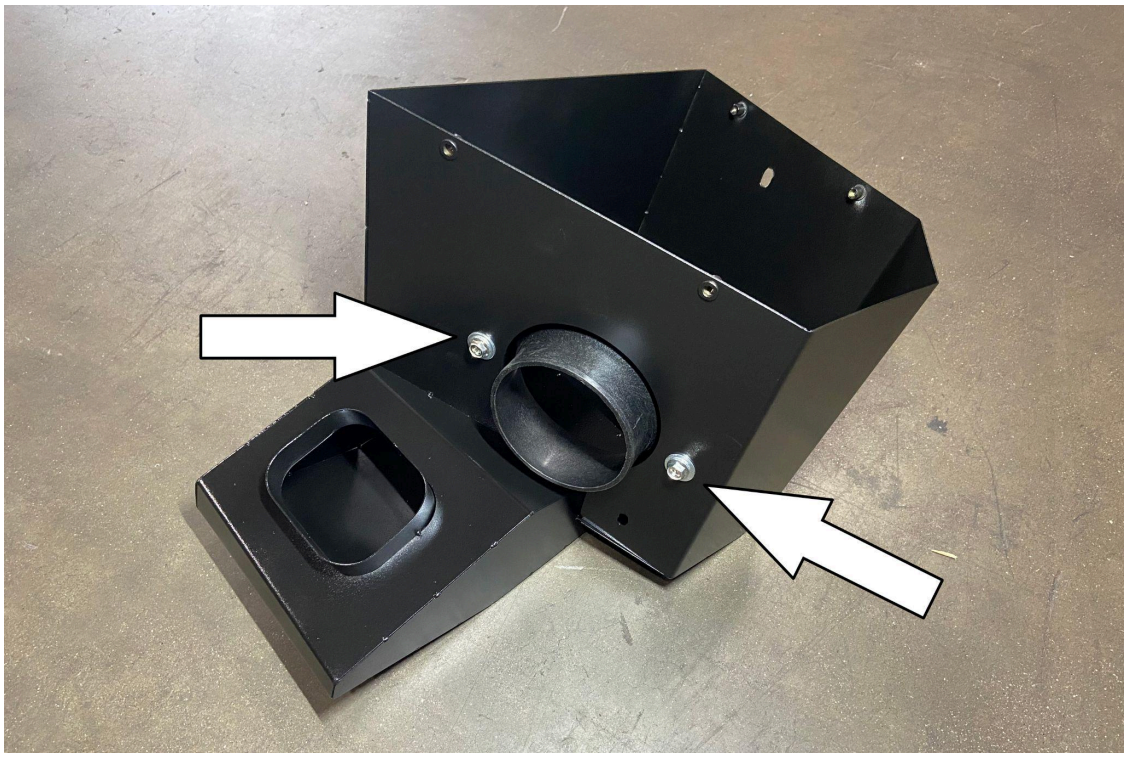
8. Install the rubber vibration mount onto the stock air box mounting location.



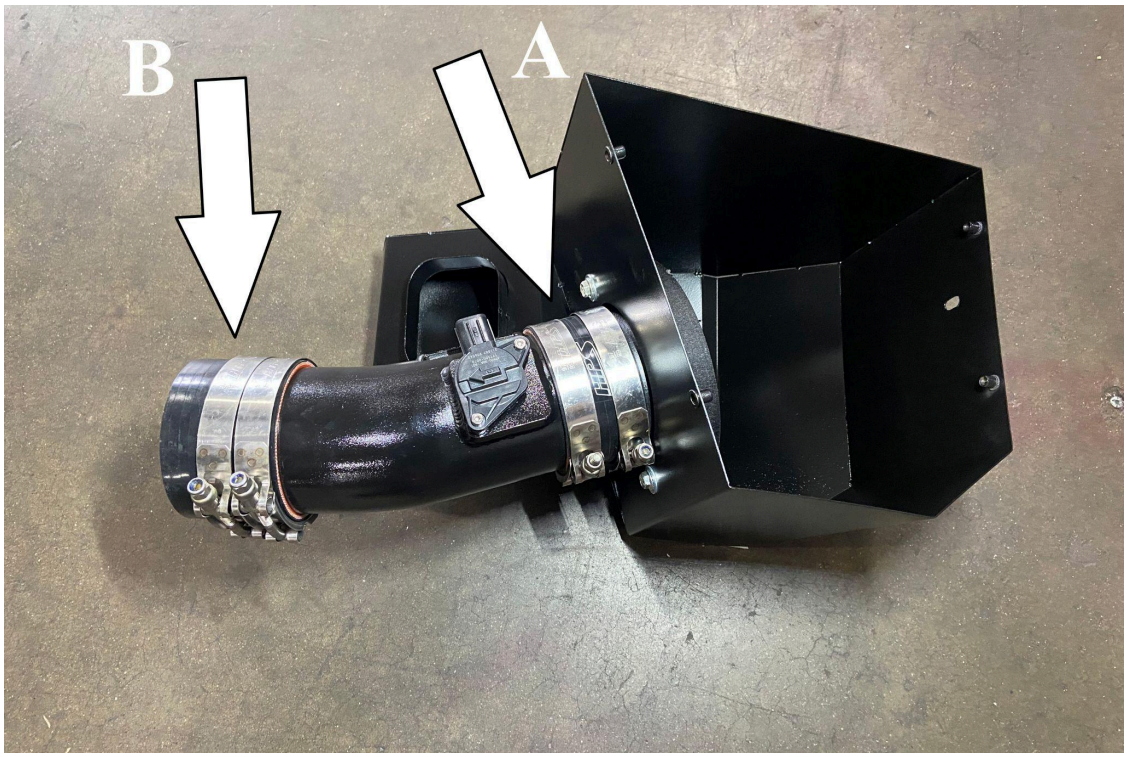
9. Install the provided venturi sleeve into the HPS intake pipe. Make sure to line up the hole with the MAF sensor opening.



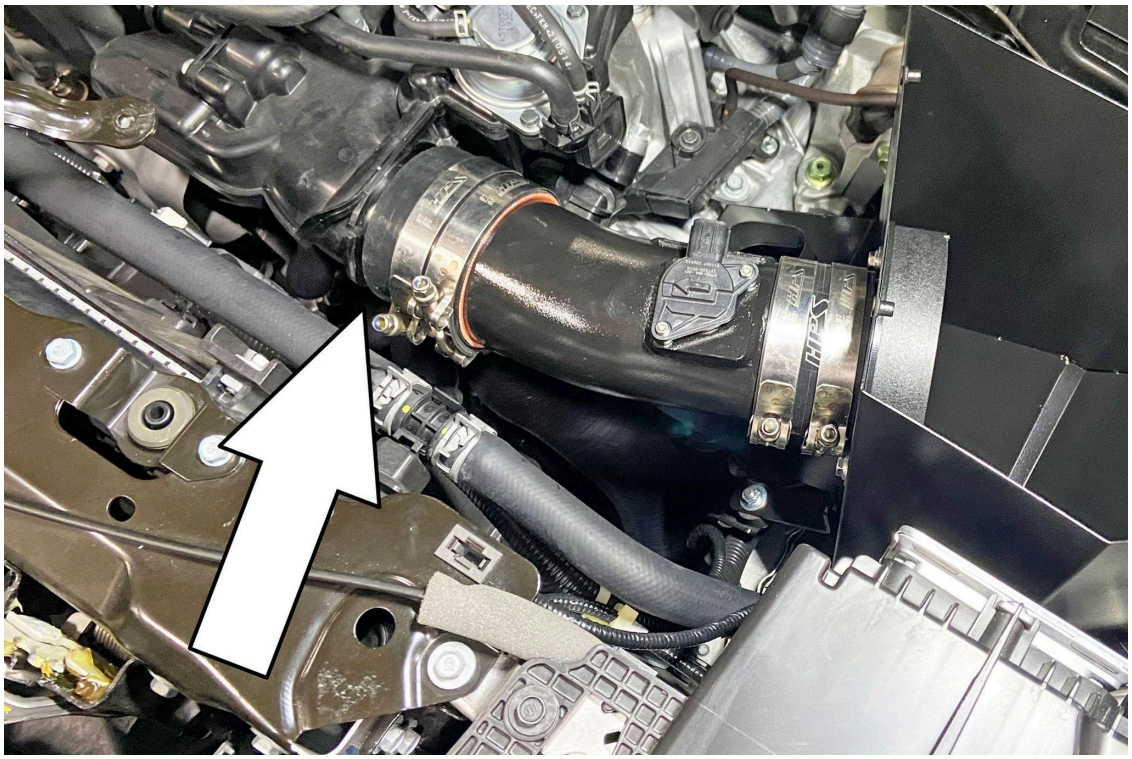
10. Remove the mass air flow sensor from the factory airbox and install it onto the HPS intake tube using the provided M4 allen bolts (2).



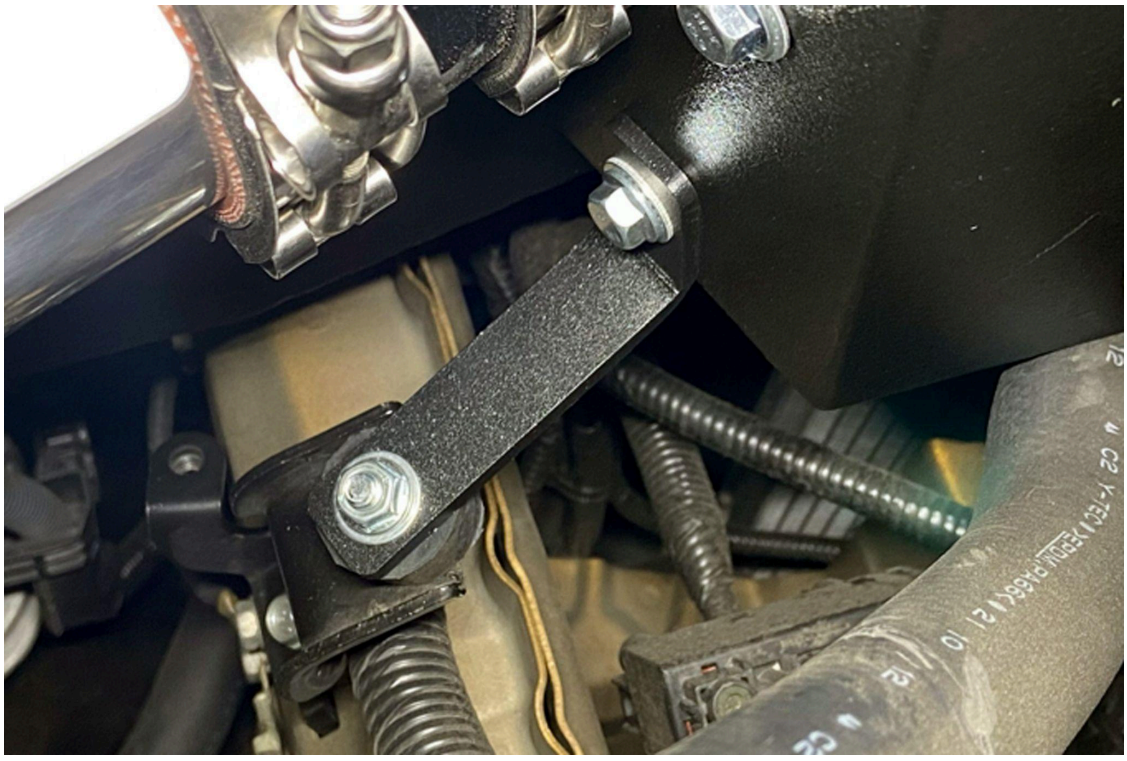
11. Install the velocity stack onto the HPS lower heat shield using the provided M6x12mm bolts (2) and washers (2).



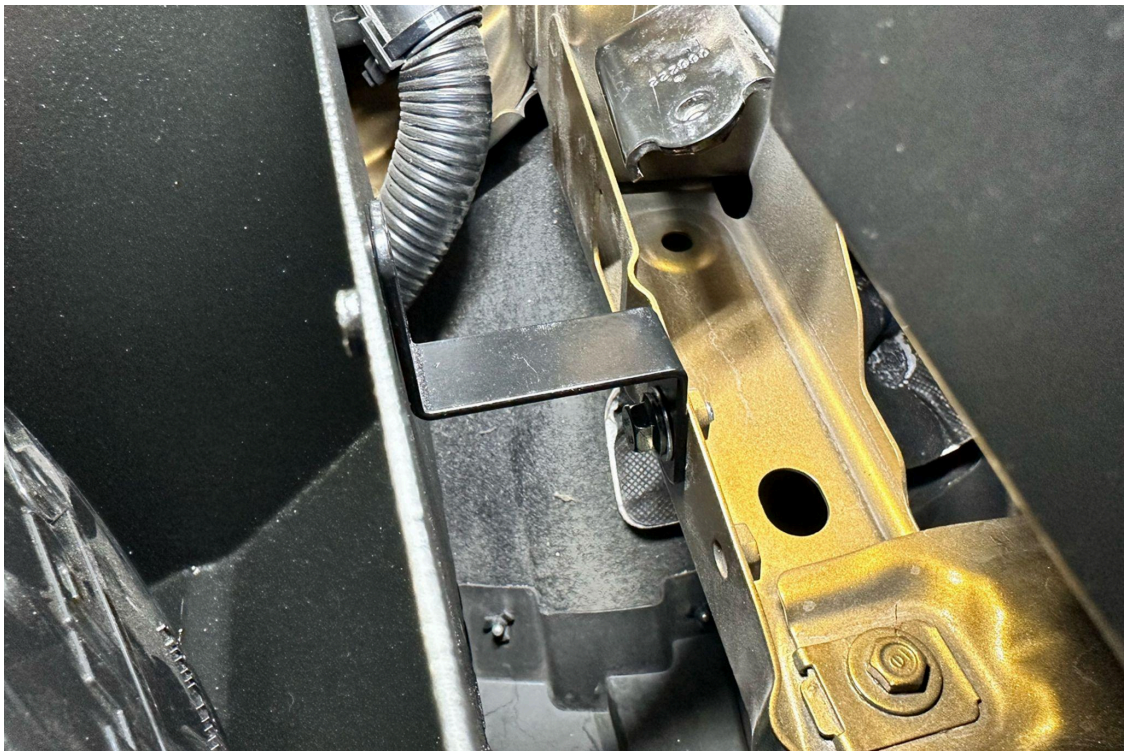
12. Attach the HPS intake to the velocity stack using the provided 2” long Coupler with two T-bolt clamps (ref A). Loosely install the 2.5” long coupler and two T-bolt clamps onto the other end of the intake pipe (ref B).



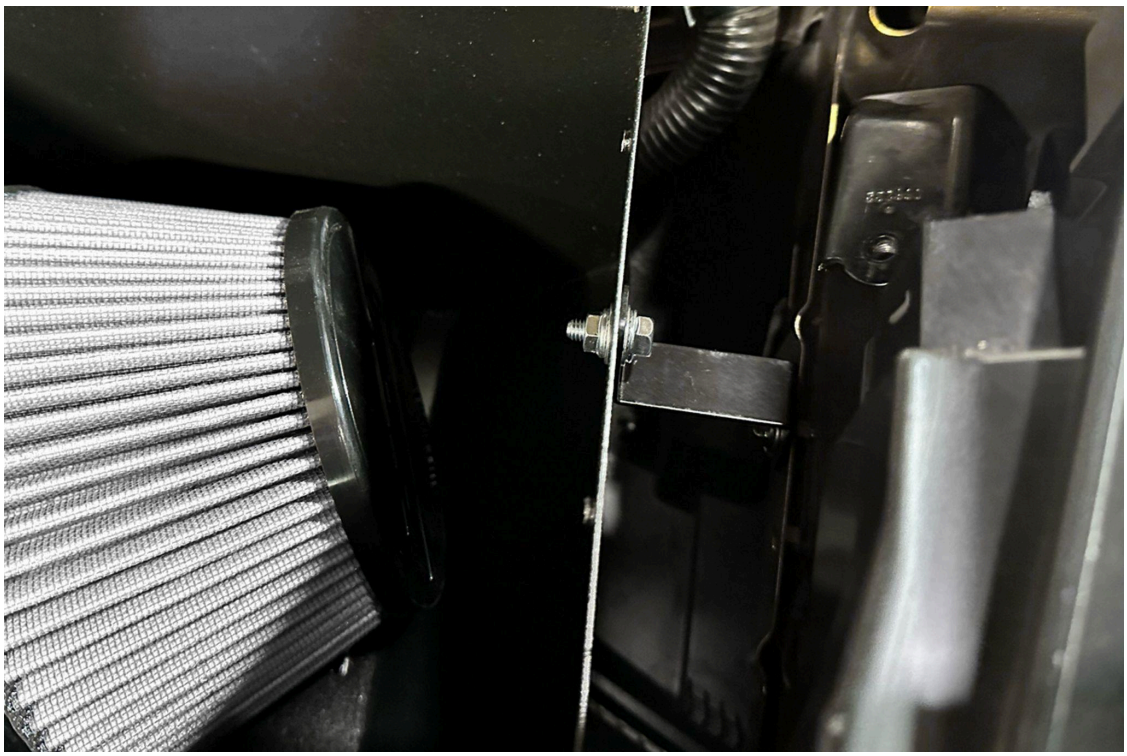
13. Insert the intake kit into the vehicle by inserting the intake pipe coupler into the turbo inlet first. Do not tighten any clamps at this moment.



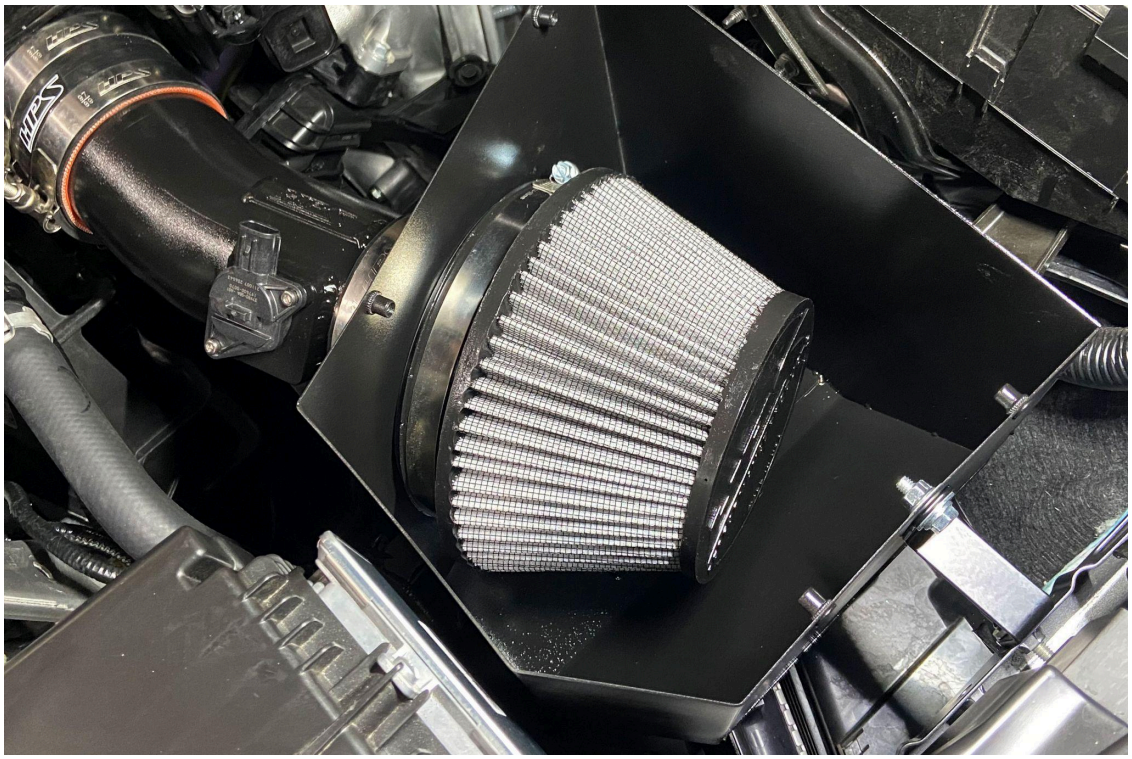
14. Install the “L” bracket onto the vibration mount using a provided M6 nut and washer. Next, secure the “L” bracket to the heat shield using a provided M6 x 16mm bolt, two washers, and a M6 nut.



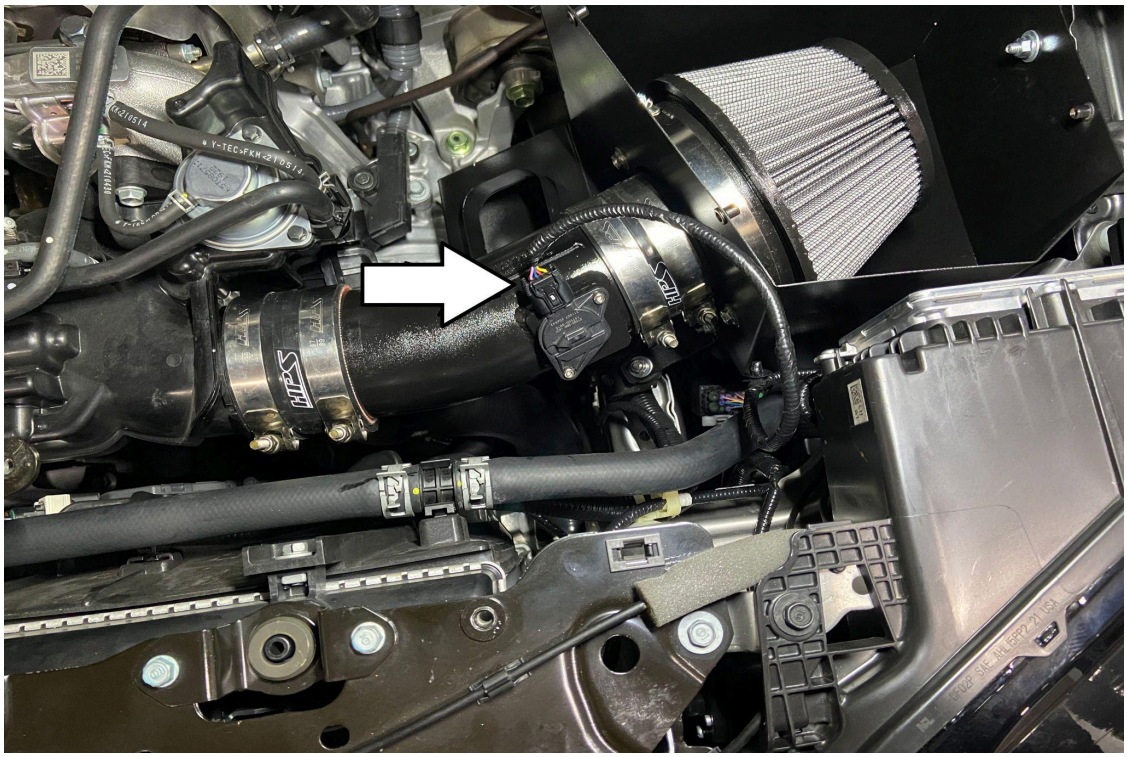
15. Bolt the “Z” bracket onto the mounting point along the fender using a provided M6 x 12mm bolt and washer.



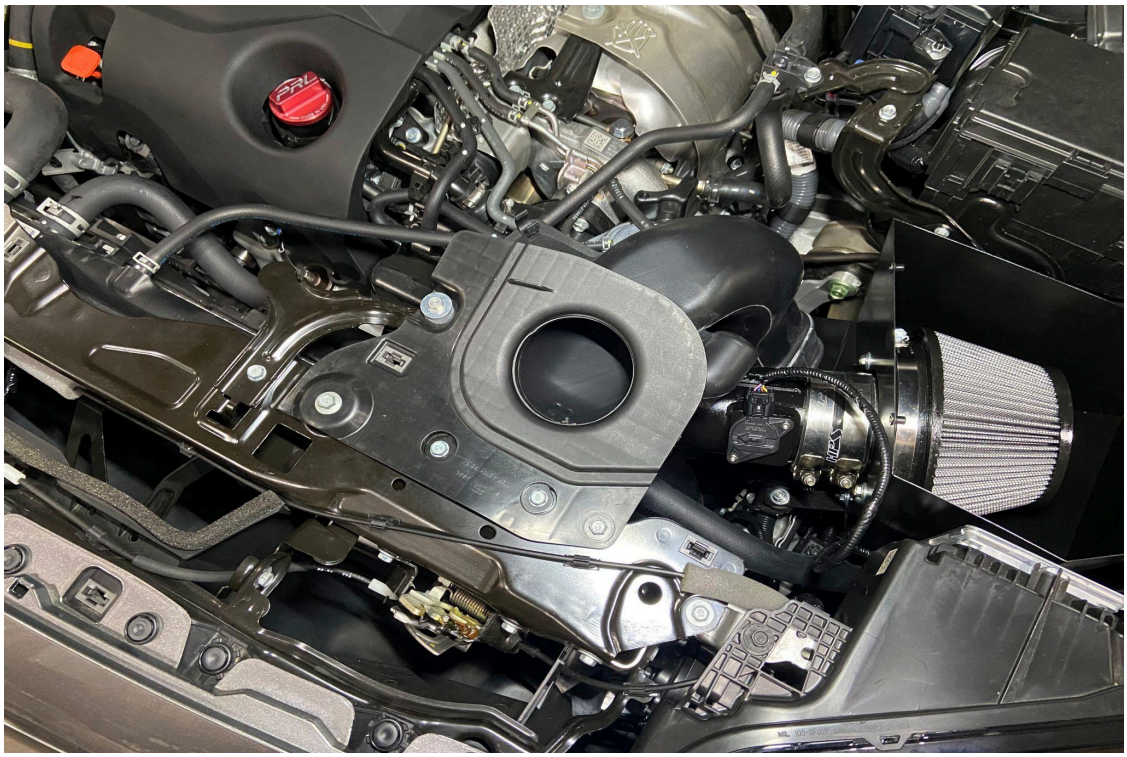
16. Secure the “Z” bracket onto the right side of the HPS heat shield using the provided M6 x 16mm, M6 nut, and two washers.



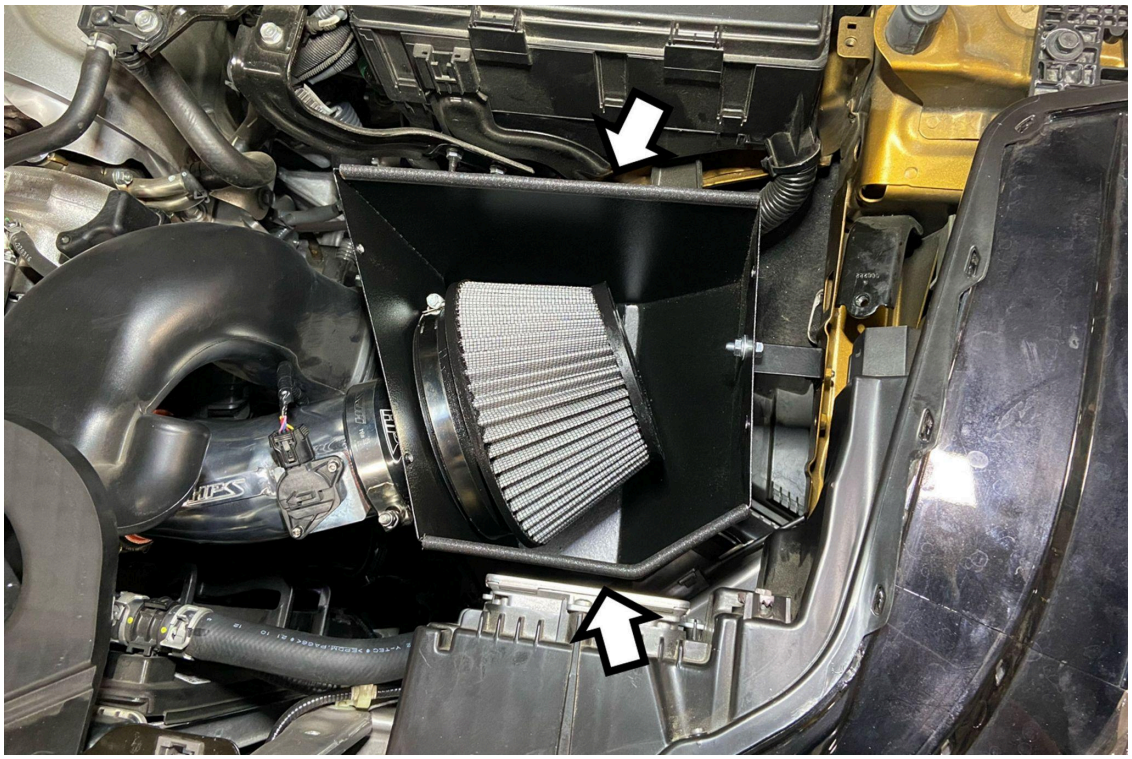
17. Install the HPS performance air filter onto the velocity stack.



18. Reconnect the mass air flow sensor harness connector.



19. Reinstall the factory air duct back into the vehicle.



20. Install the edge trim onto the heat shield in the sections indicated in the image above.



21. Secure the heat shield lid with the provided M5 x 12mm bolts (4).

FINAL STEPS

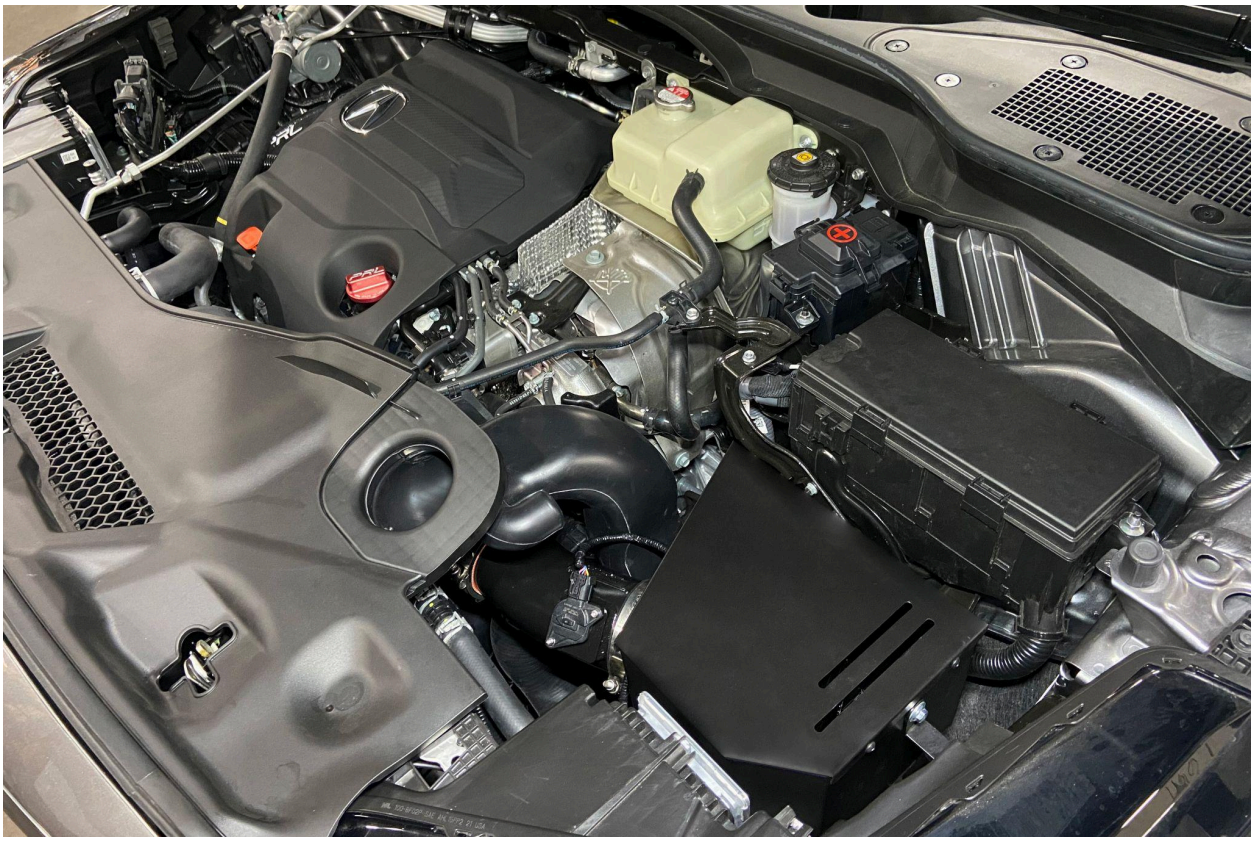
Reinstall the plastic cover back onto the engine.

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.

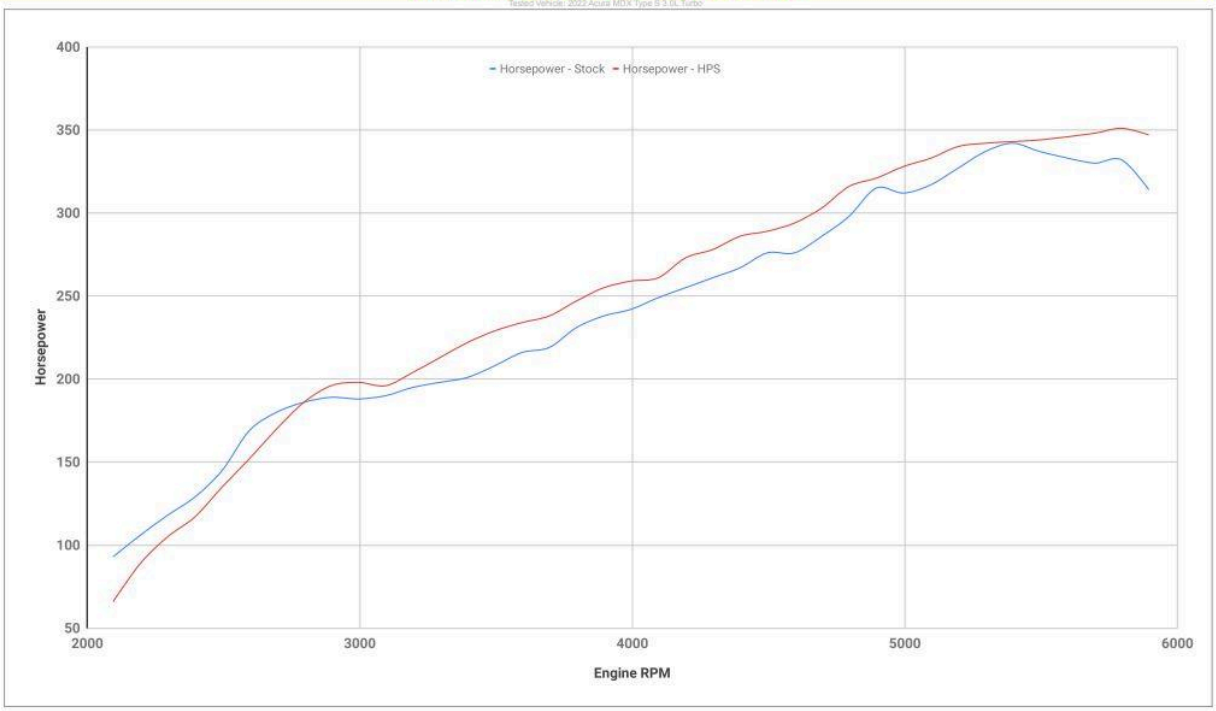
Periodically, recheck the alignment of the intake kit and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.



HPS Performance Air Intake Kit with Heat Shield (827 Series)
2022-2024 Acura MDX Type S 3.0L Turbo
Part Number: 827-728

Maximum Horsepower Gains = 19 whp @ 3695 rpm

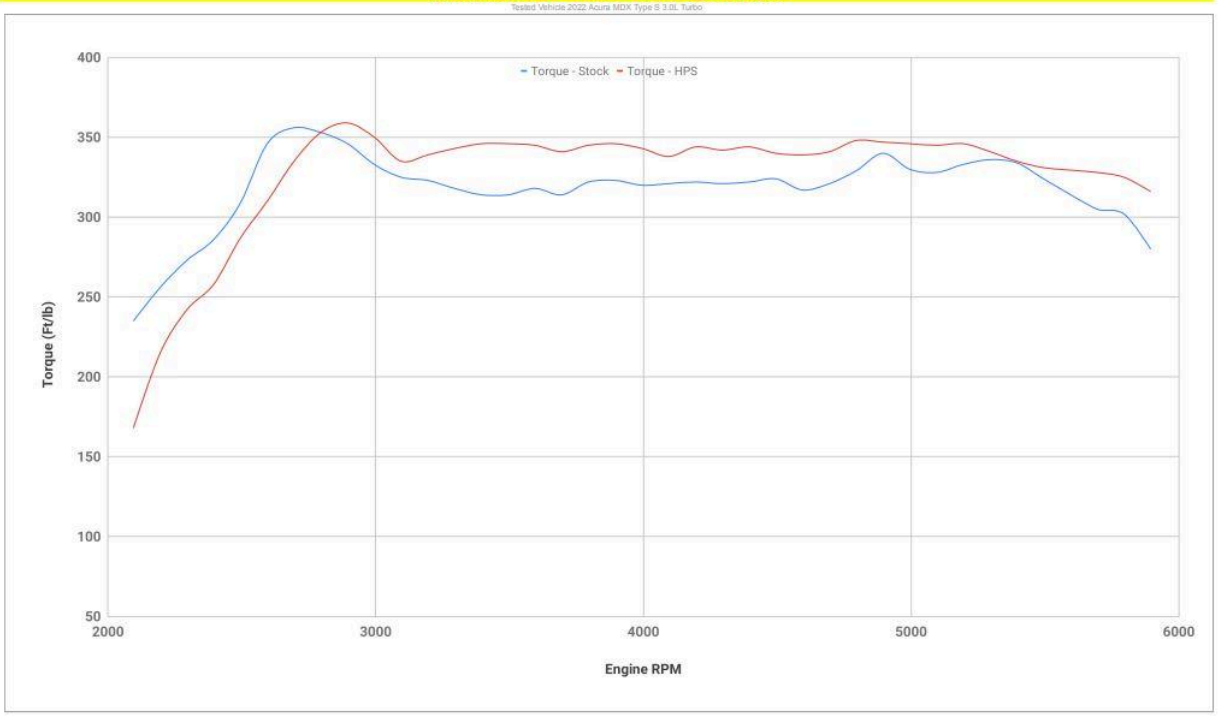
Tested Vehicle: 2022 Acura MDX Type S 3.0L Turbo



HPS Performance Air Intake Kit with Heat Shield (827 Series)
2022-2024 Acura MDX Type S 3.0L Turbo
Part Number: 827-728

Maximum Torque Gains = 27 ft/lb @ 3695 rpm

Tested Vehicle 2022 Acura MDX Type S 3.0L Turbo



Also available for Acura 2022-2026 MDX Type S 3.0L Turbo

	**HPS Performance Oil Catch Can Kit** **Part Number 860-014**
	**HPS Performance Air Filter** **For Acura MDX Type-S Air Intake Kit** **Part Number HPS-4302**
	**HPS Performance Air Filter** **Cleaning and Recharge Kit** **Part Number HPS-AFRC**
	**HPS Performance Stainless Steel Magnetic** **Oil Drain Plug** **Part Number MDP-M14x150**

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