



## Performance Air Intake Kit

Part Number: 827-717

**2021-2024 Acura TLX Type S 3.0L**

## Installation Instructions

For technical inquiries please email us at [tech@hpsperformance.com](mailto: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: 827-717**

Line #	Description	Part Number	Qty
1	Air Intake Pipe	529-921	1
2	Heat shield, Lower	531-924	1
3	Heat shield, Upper	531-925	1
4	Heat shield, Panel	531-926	1
5	HPS Performance Air Filter	HPS-4302	1
6	3.50" Coupler x 2.00" Long	P3SC-350-L2	2
7	T-Bolt Clamp for 3.50" Hose	SSTC-89-97	4
8	Bolt, M4 x 0.7, 10mm Long	HW-B4-10	2
9	Bolt, M6 x 1.0, 12mm Long	HW-B6-12	4
10	M6 Flat Washer 16mm OD	HW-FW6L	7
11	M6 Flange Nut	HW-N6	3
12	Rubber Vibration Mount M6 1/2" Tall	HW-RM6-50	3
13	10mm Rubber Grommet for 5/8" hole	HW-RG10	1
14	Velocity Stack 3.5" to 6" inlet	HW-VS-350-600	1
15	3.50" - 3.25" Trimmed sleeve for Acura TLX Type S	HW-VEN-350-325-TLX	1
16	Thin Edge Trim x 8.5 Inches	Thin Edge Trim	1
17	Bubble Edge Trim x 80 Inches	Bubble Edge Trim	1
18	Cooling Shield Pad 4 x 9 Inches	4580N12	1

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

## **PLEASE READ CAREFULLY BEFORE INSTALLATION!**

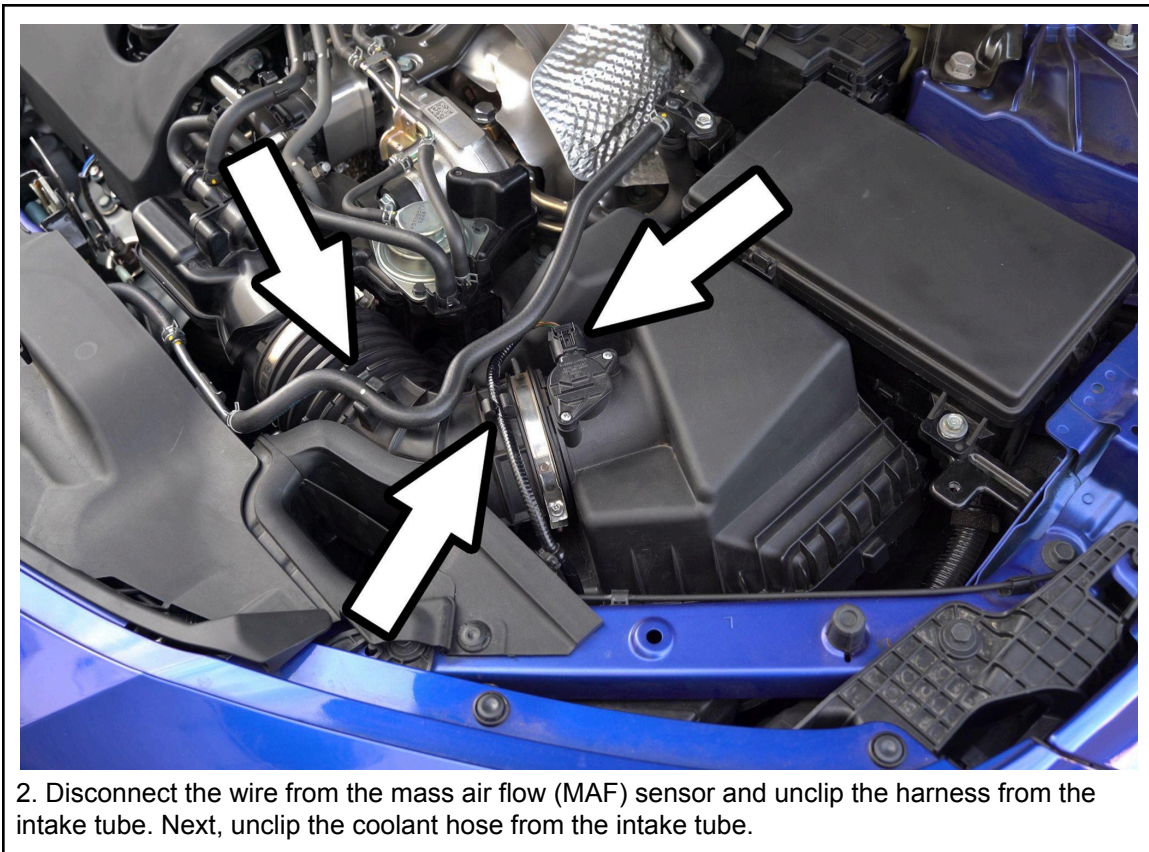
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

## **GETTING STARTED**

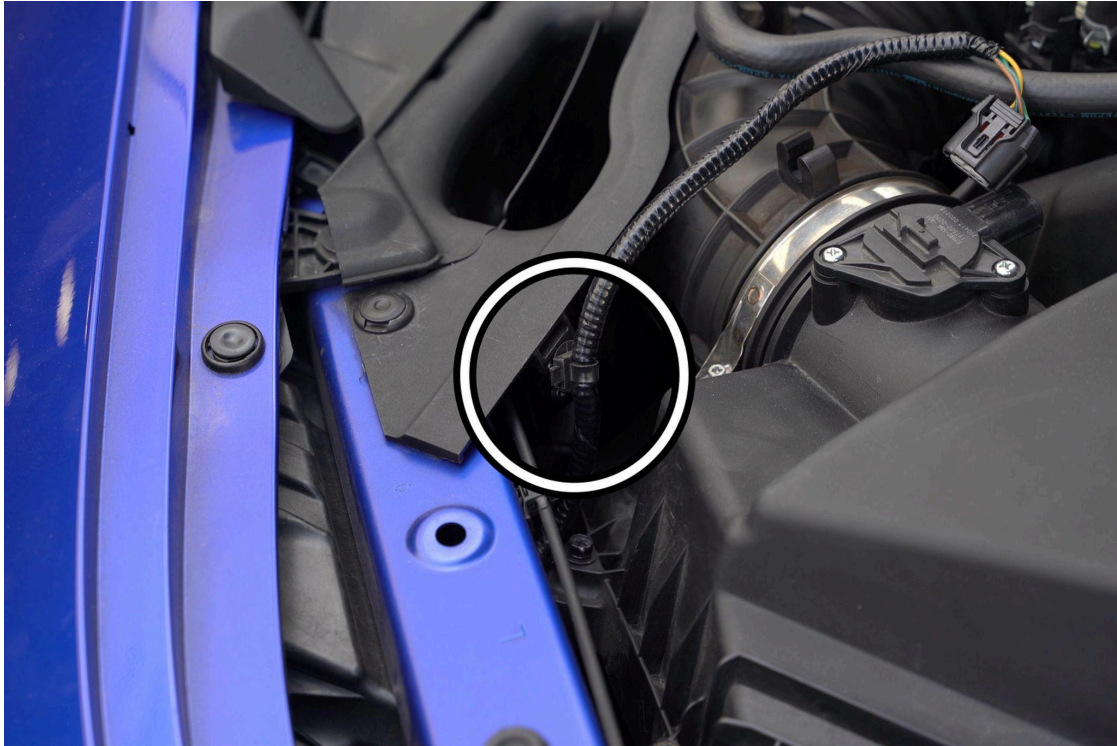
1. Turn the ignition OFF and disconnect the vehicle's negative battery cable. If the engine has run within the past two hours let it cool down.

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 vehicles' 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.

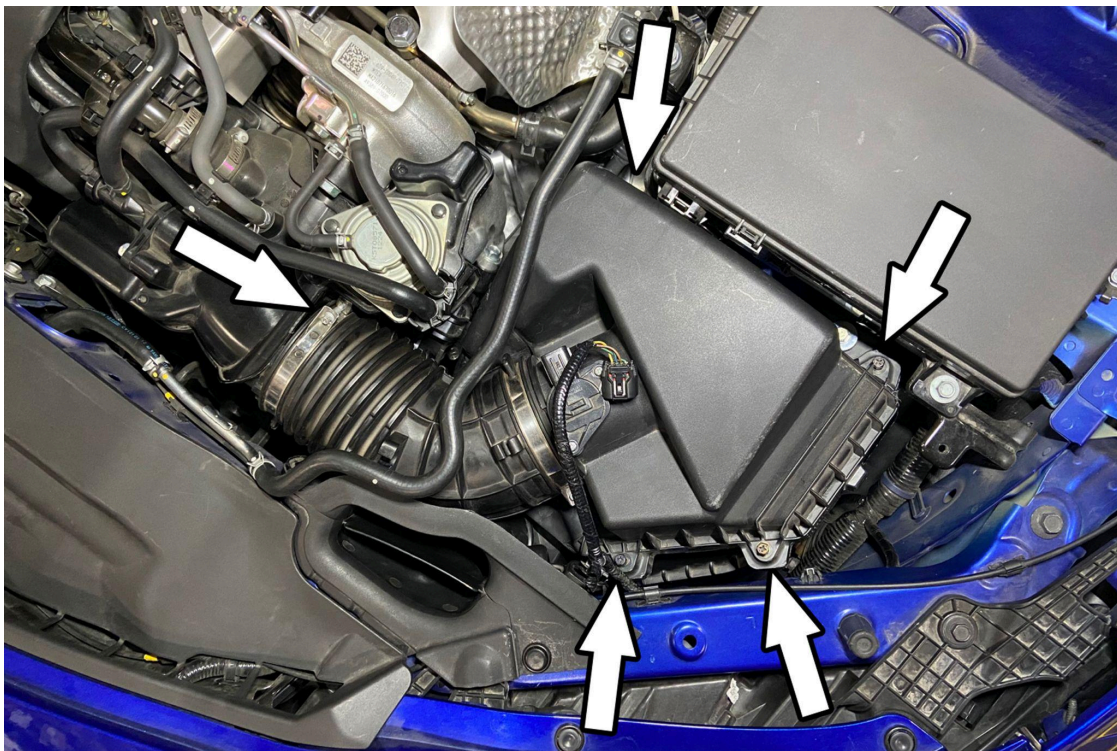


2. Disconnect the wire from the mass air flow (MAF) sensor and unclip the harness from the intake tube. Next, unclip the coolant hose from the intake tube.



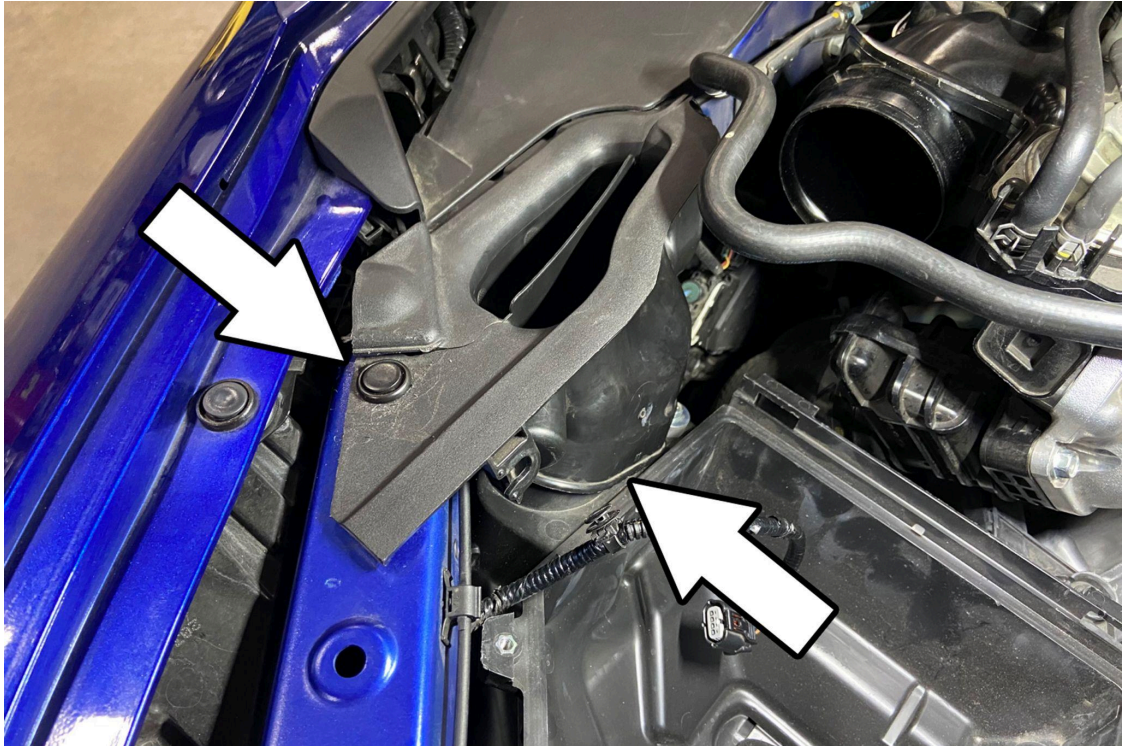


3. Slide the MAF sensor harness retaining clip towards the driver side of the vehicle to remove it from the air duct.

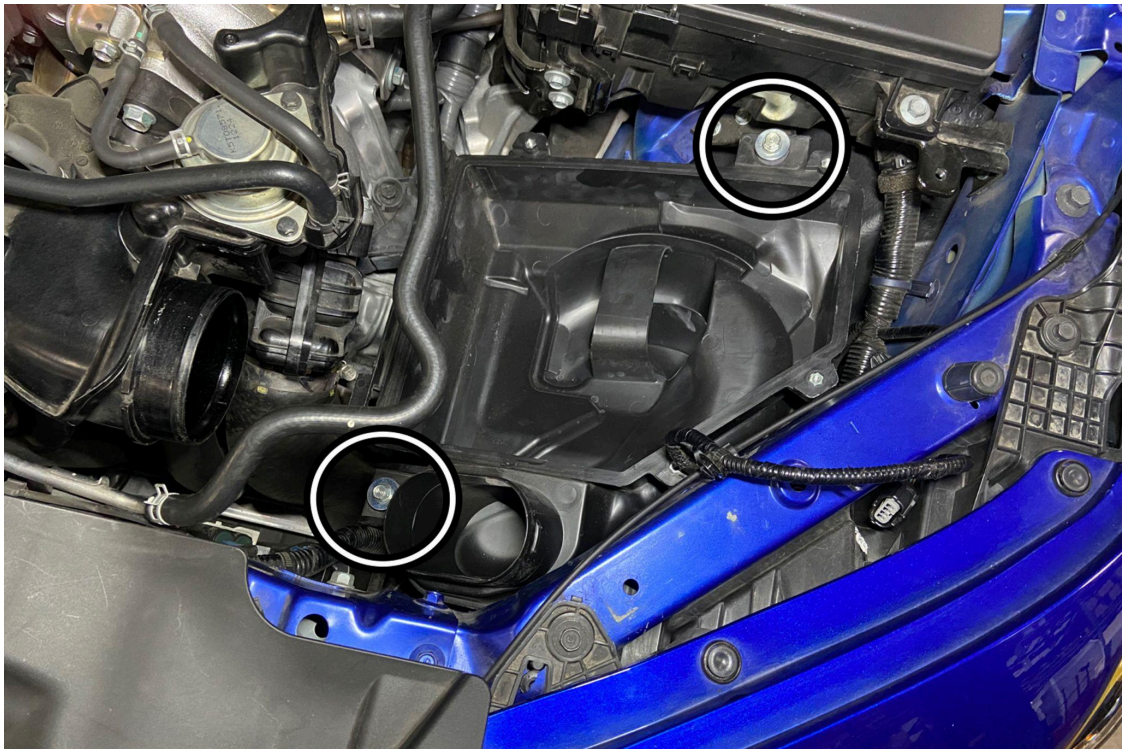


4. Loosen the hose clamp securing the intake tube from the turbo inlet housing (left) using either a small Phillips-head screwdriver or a 5.5mm socket. Loosen the four 8mm bolts securing the upper air box housing. Remove the upper air box housing and intake tube from the vehicle in one piece.



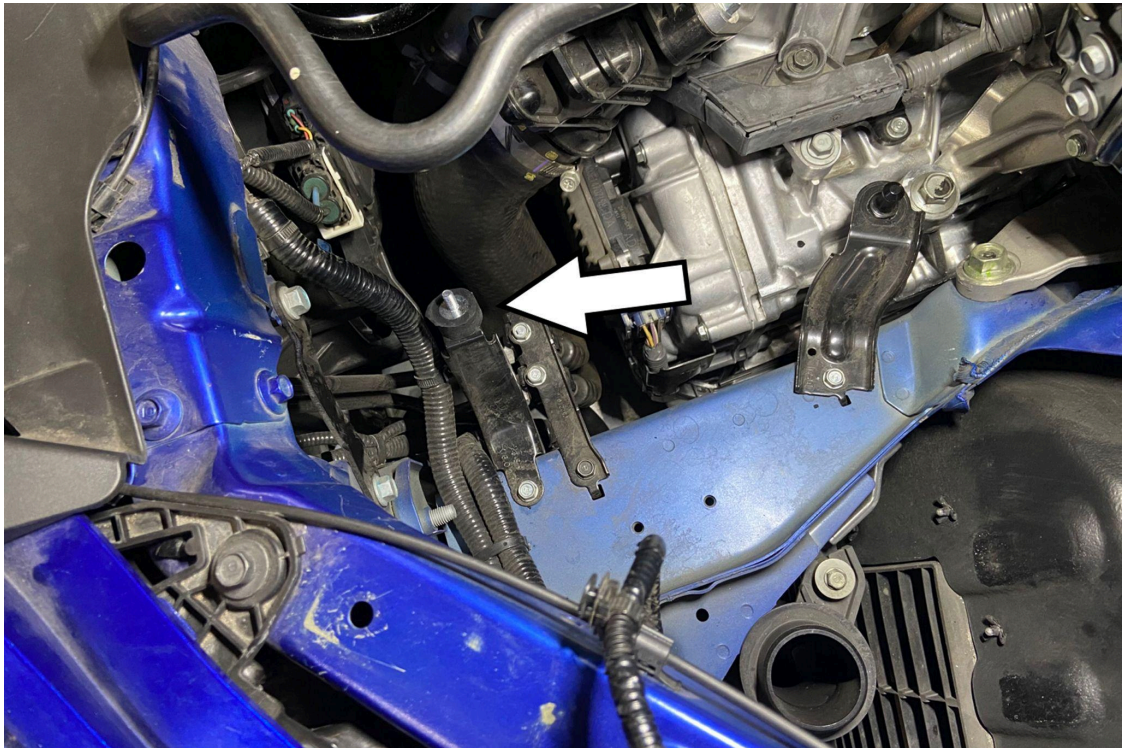


5. Remove the retaining clip securing the air duct using a flat head screwdriver. Disconnect the air duct from the lower air box housing and remove it from the vehicle.



6. Loosen the two 10mm bolts securing the lower air box housing. Lift the air box from the grommet and remove the lower air box housing from the vehicle.



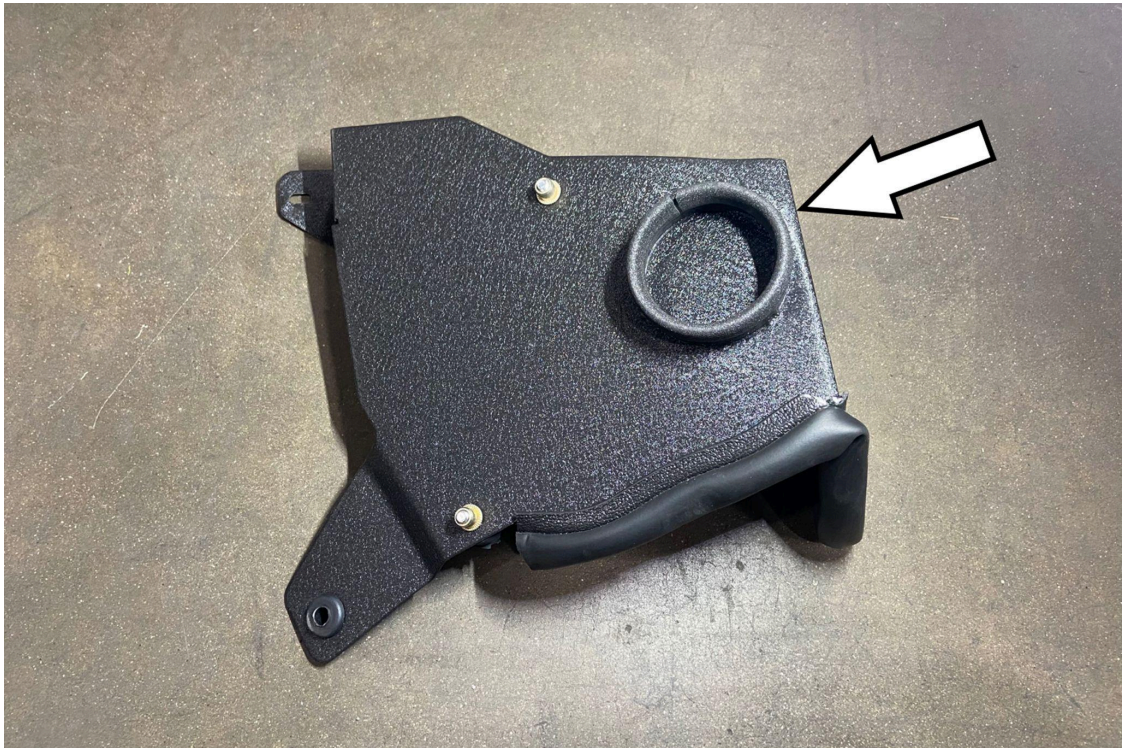


7. Install the provided 1/2" rubber vibration mount onto the front factory lower air box mount.



8. Insert the provided grommet into the HPS lower heat shield (shown in top left), then install the 1/2" vibration mounts into the heat shield. Install the bubble edge trim in the area shown above(top right). NOTE\* (Bubble edge trim will need to be cut to length)



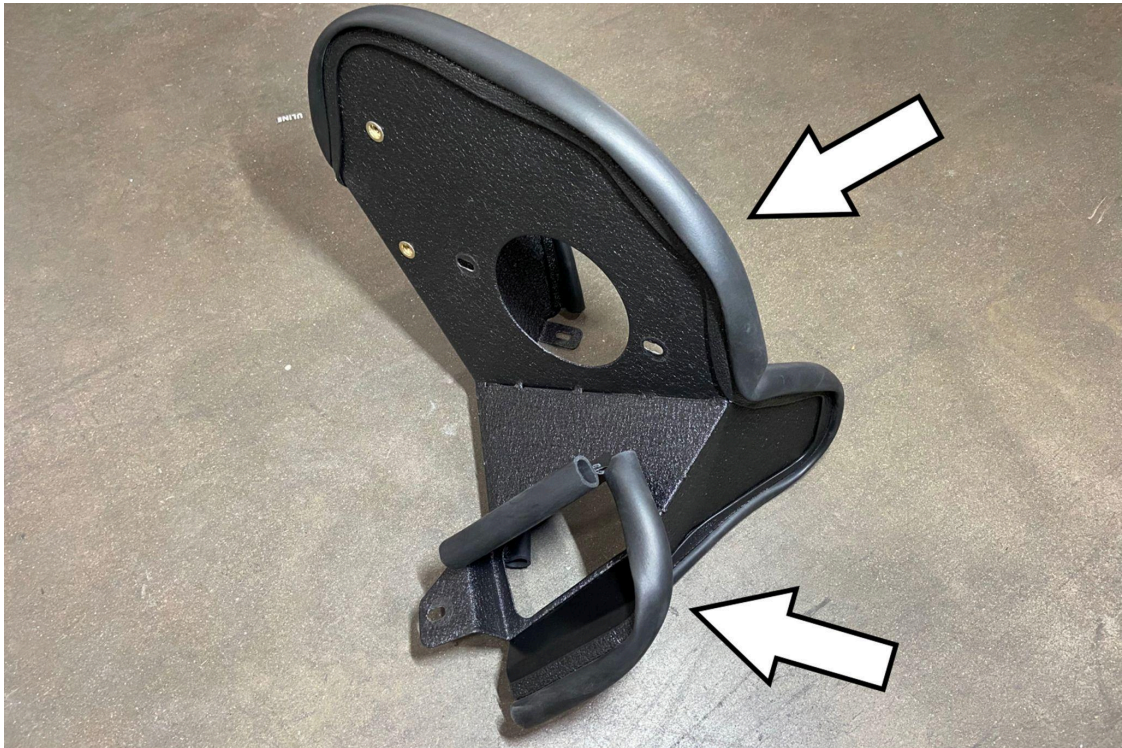


9. Install the thin edge trim onto the circular section under the lower heat shield.



10. Install the lower heat shield into the vehicle by aligning the mounting tab on the front factory lower air box mount and pushing the grommet onto the mounting stud at the back.



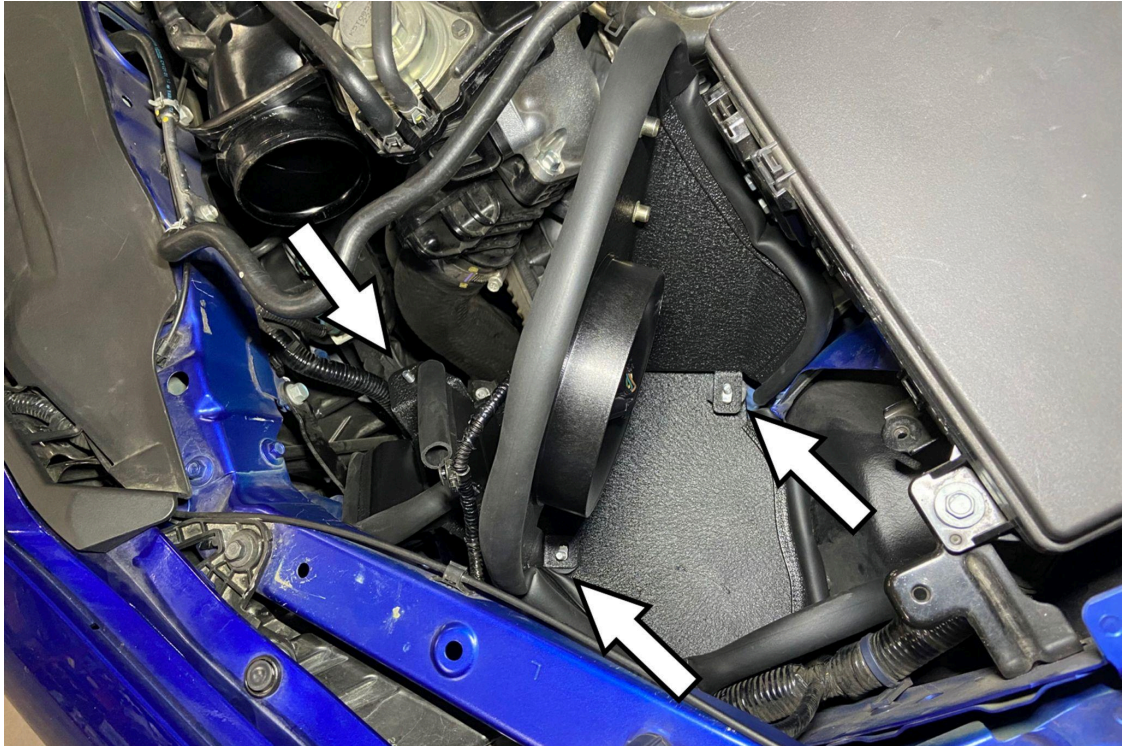


11. Install the provided bubble edge trim onto the HPS upper heat shield in the areas shown.

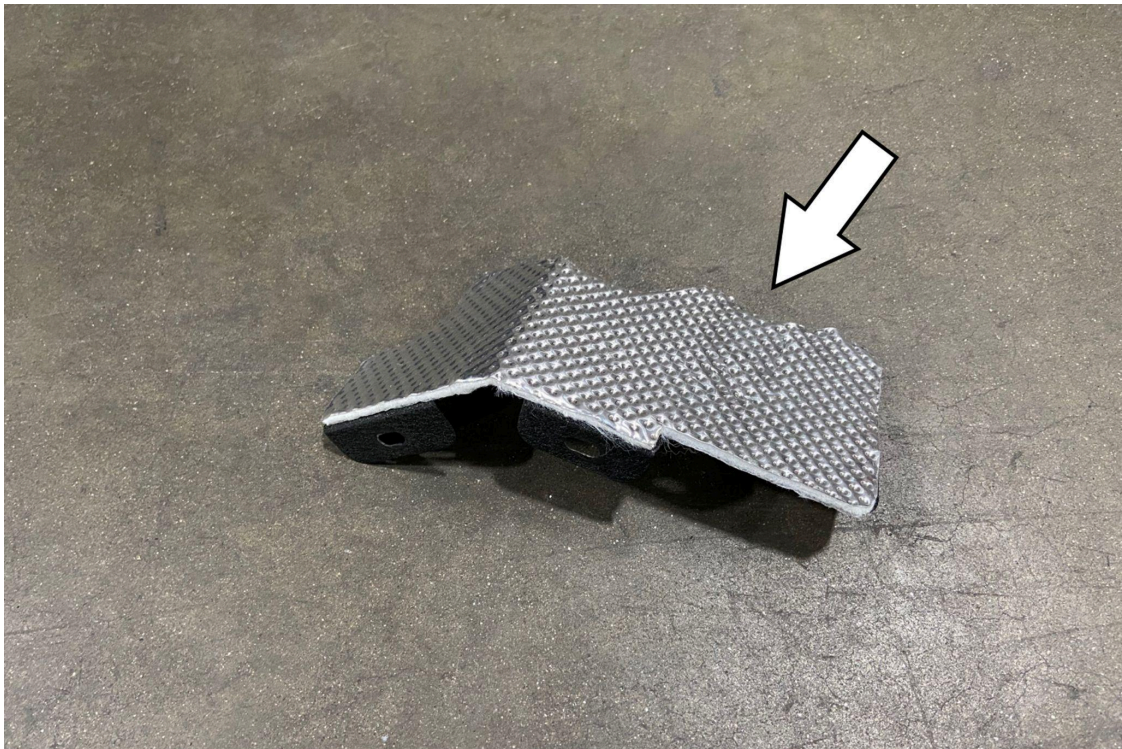


12. Mount the velocity stack onto the heat shield using two provided M6 bolts and washers using a 10mm socket.



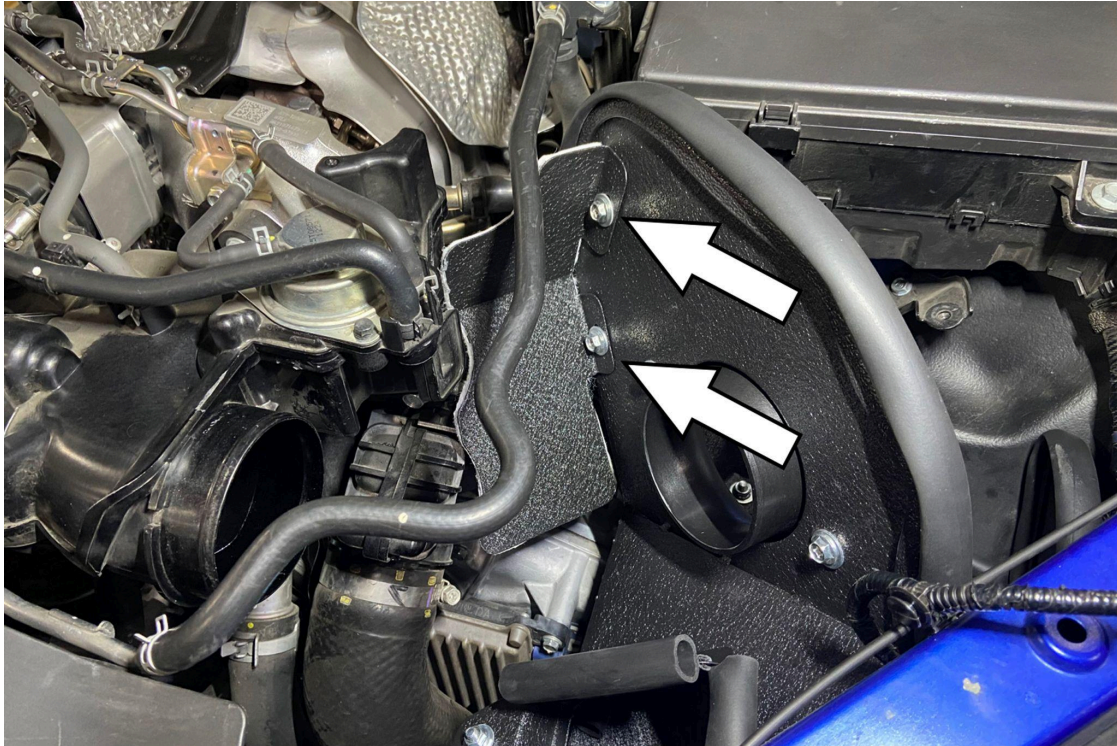


13. Insert the upper heat shield onto the lower heat shield. Secure the upper heat shield using the provided three M6 nuts and washers. Fasten the nuts using a 10mm socket.



14. Adhere the provided cooling pad onto the heat shield panel.





15. Mount the heat shield panel onto the upper HPS heat shield using the provided M6 bolts and washers. Fasten using a 10mm socket.



16. Remove the MAF sensor from the factory air box with a Phillips-head screwdriver. Transfer the sensor onto the HPS intake pipe. Use a 3mm allen key to fasten the provided M4 allen bolts to secure the MAF Sensor to the pipe.



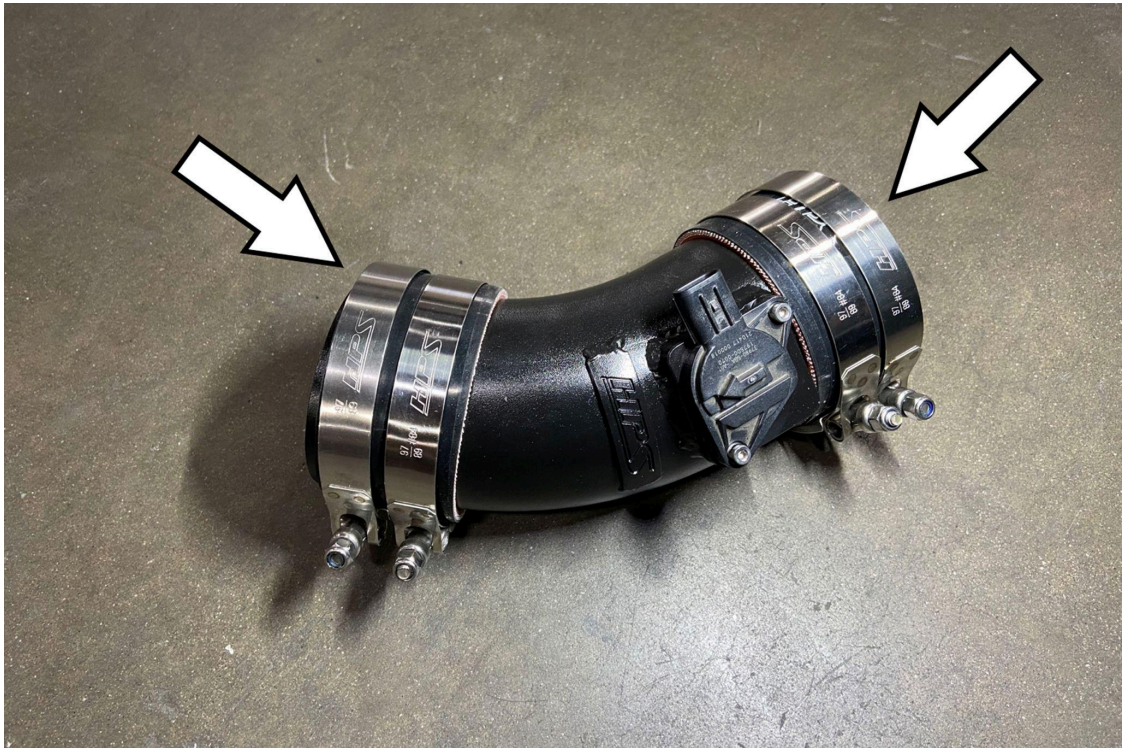


17. Locate the provided MAF sleeve. DO NOT throw this sleeve away, it is an essential part of the intake kit.



18. Insert the MAF sleeve into the sensor side of the intake pipe, lining up the slot with the MAF sensor.





19. Loosely place the provided couplers and clamps onto both ends of the intake pipe. Tip: Slide the coupler shown on the left side of the image completely onto the intake pipe.



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





21. Insert the intake pipe onto the velocity stack first (A), then slide the other coupler (B) onto the turbo inlet side. Position the intake pipe into place and use a 10mm socket to tighten all of the T-bolt clamps to 15 in-lb.



22. Reconnect the MAF sensor wire harness.





23. Install the provided HPS performance air filter using either a flat head screwdriver or 8mm socket.



## **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.

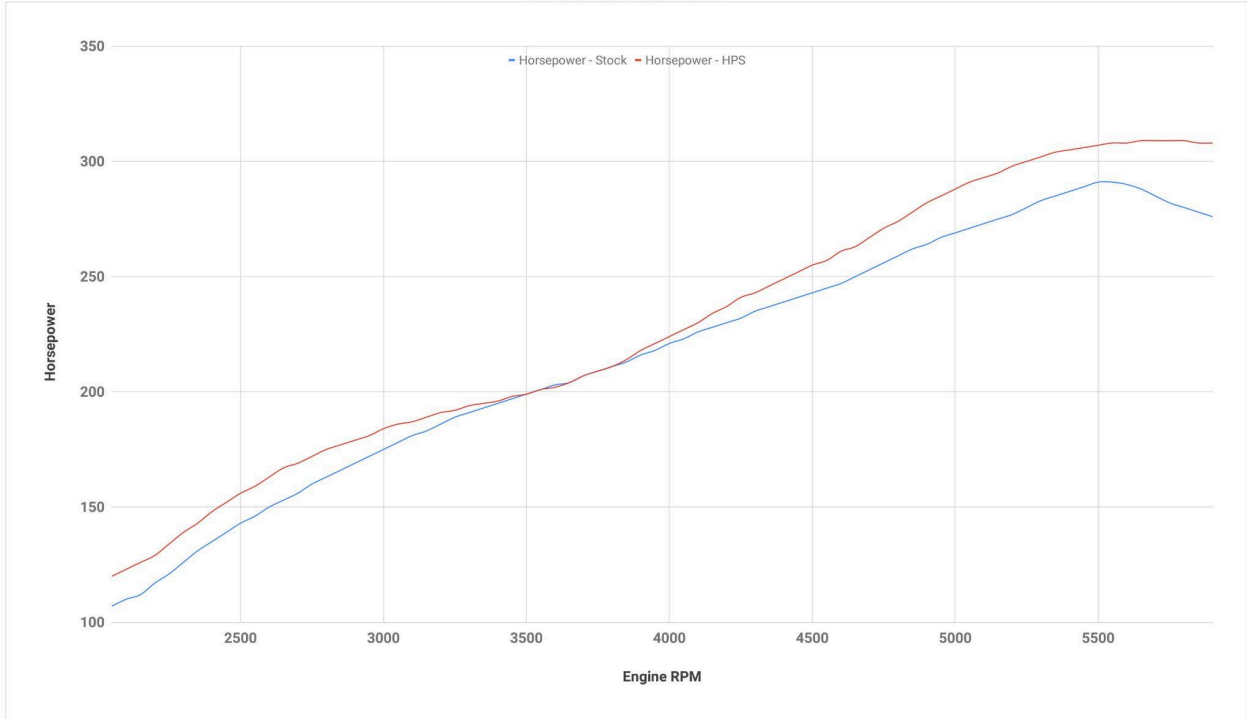
Periodically, recheck the alignment of the intake kit and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.



HPS Performance Air Intake Kit with Heat Shield (827 Series)  
2021-2024 Acura TLX-Type S 3.0L Turbo  
Part Number: 827-717

**Maximum Horsepower Gains = 19 whp @ 5000 rpm**

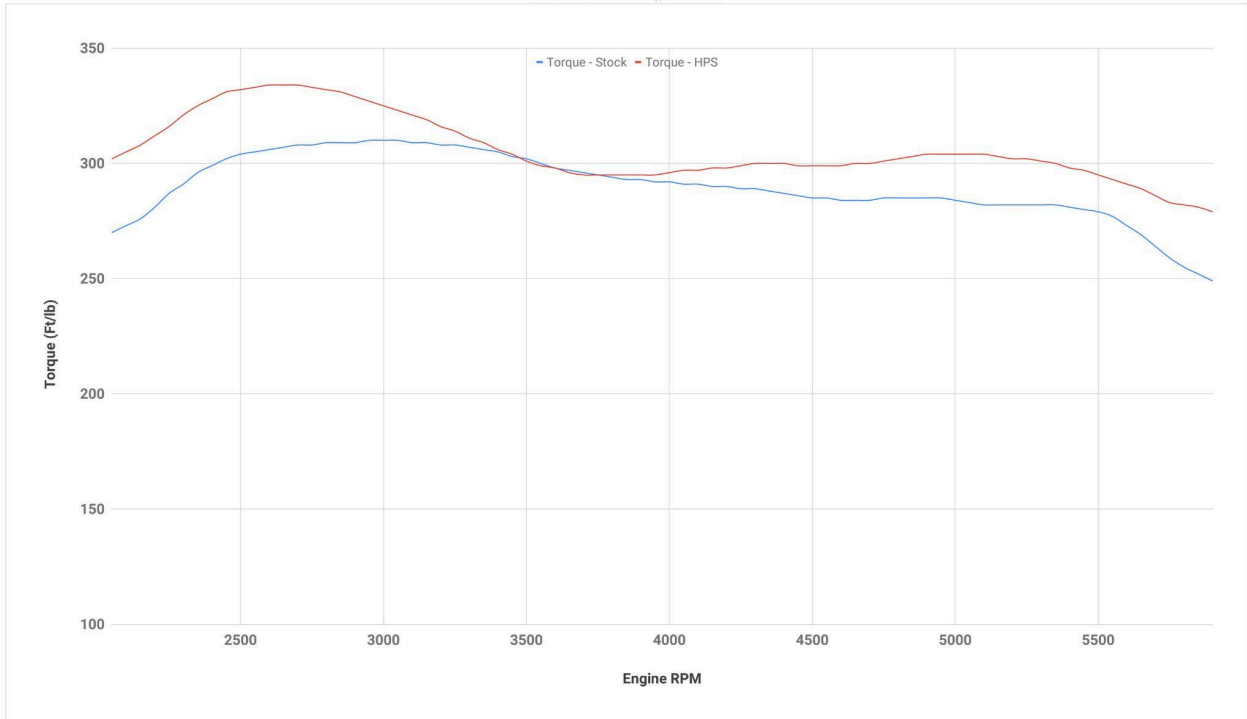
Tested Vehicle 2022 Acura TLX Type-S 3.0L Turbo



HPS Performance Air Intake Kit with Heat Shield (827 Series)  
2021-2024 Acura TLX-Type S 3.0L Turbo  
Part Number: 827-717

**Maximum Torque Gains = 20 ft/lb @ 5000 rpm**

Tested Vehicle 2022 Acura TLX Type-S 3.0L Turbo





**Also available for  
2021-2024 Acura TLX Type S 3.0L**



**HPS Performance Replacement Air Filter  
For Intake Kit 827-717  
Part Number [HPS-4302](#)**



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



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

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