



Performance Air Intake Kit Part Number: 827-621

**2016-2022 Honda Pilot 3.5L V6
2017-2025 Honda Ridgeline 3.5L V6
2019-2025 Honda Passport 3.5L V6**

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: 827-621

Line #	Description	Part Number	Qty
1	Air Intake Pipe	529-380	1
2	HPS Performance Air Filter	HPS-4298	1
3	Heat Shield	531-381	1
4	Bracket #1	530-376	1
5	Bracket #2	530-377	1
6	Reducer Coupler, 3-1/4" - 3-1/2" ID, 3" Long	P3SR-325-350-L3	1
7	T-Bolt Clamp, 95mm - 103mm	SSTC-95-103	1
8	T-Bolt Clamp, 86mm - 94mm	SSTC-86-94	1
9	Embossed Hose Clamp, 16mm - 27mm	EMSC-16-27	2
10	Fuel Injection Clamp, 13mm - 15mm	FIC-13	2
11	Vacuum Hose, 5/8"	HTSVH159-BLK	15 inches
12	Heater Hose, 8mm	HTHH-032-BLK	20 inches
13	Bubble Edge Trim	7750B2X1/16C	51 inches
14	Thin Edge Trim	75B7X1/16	14 inches
15	Bolt, M4 x 0.7, 10mm Long	HW-B4-8	2
16	Bolt, M6 x 1.0, 12mm Long	HW-B6-12	1
17	Bolt, M6 x 1.0, 12mm Long	HW-B6-16	1
18	Flange Nut, M6	HW-N6	2
19	Flat Washer, M6, 16mm OD	HW-FW6L	4
20	Rubber Vibration Mount, M6, 3/4" Male-to-Female	HW-RM6-75-MF	1
21	Rubber Vibration Mount, M6, 1/2" Tall	HW-RM6-50	1
22	Barb Fitting, 5/16"	HW-BF-032	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.
- 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.

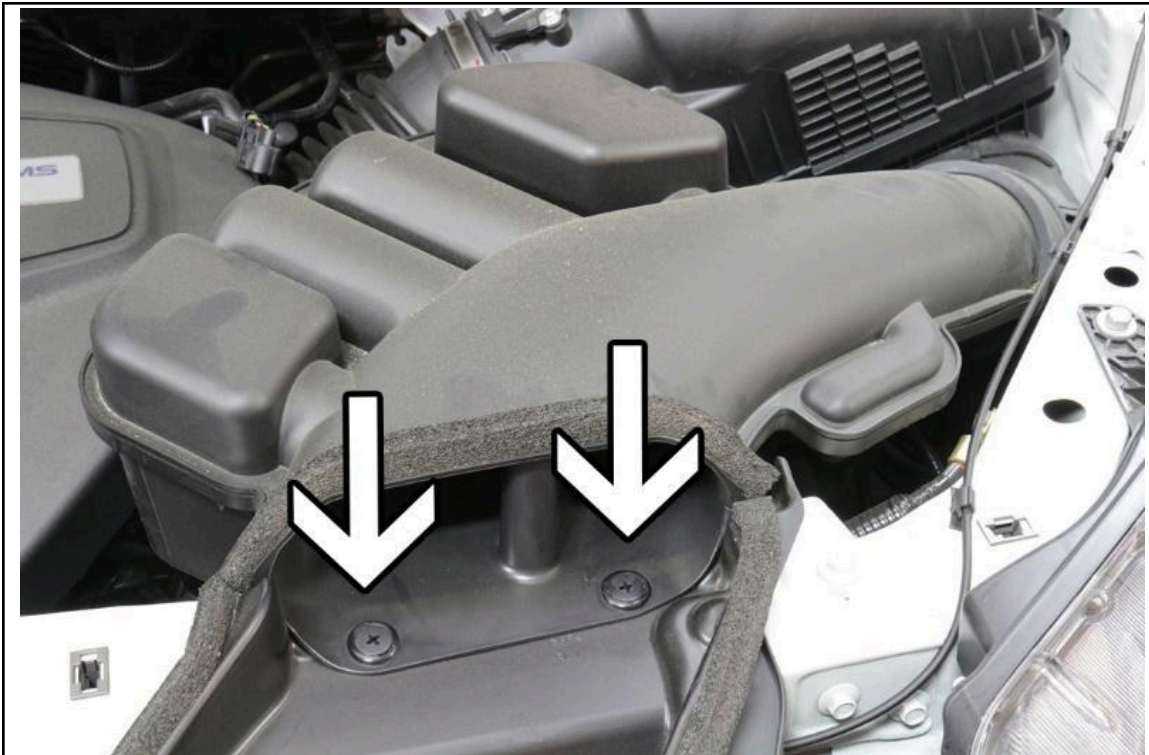
GETTING STARTED

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.

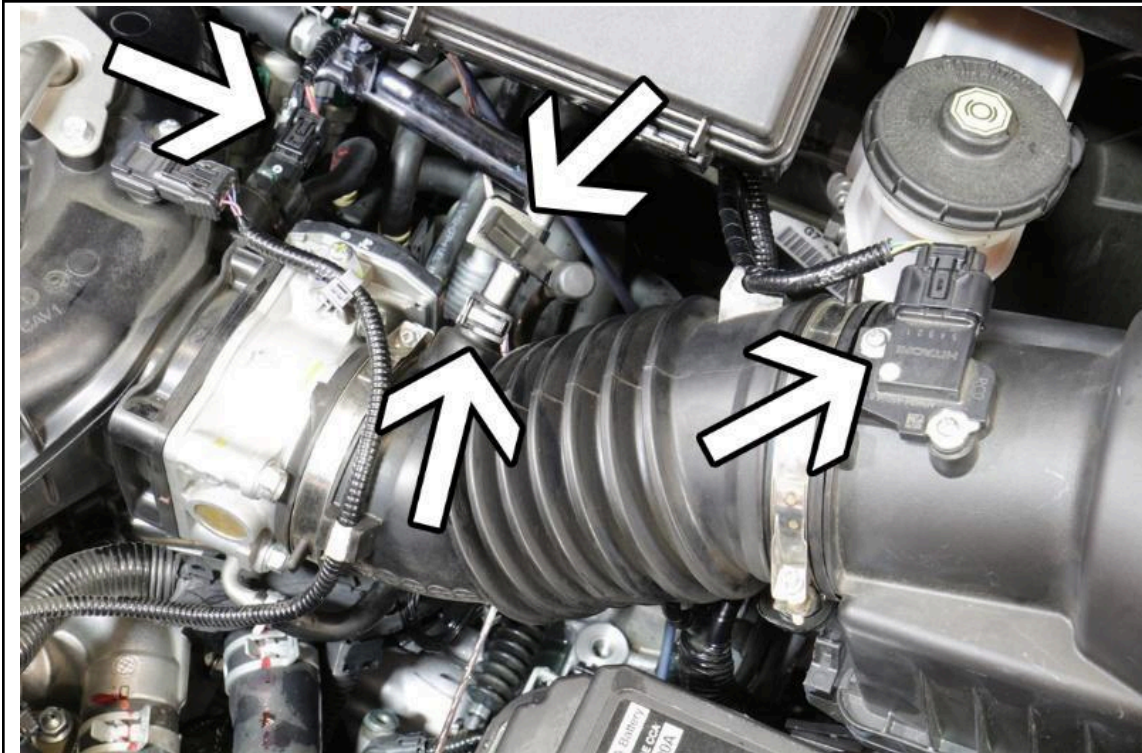
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



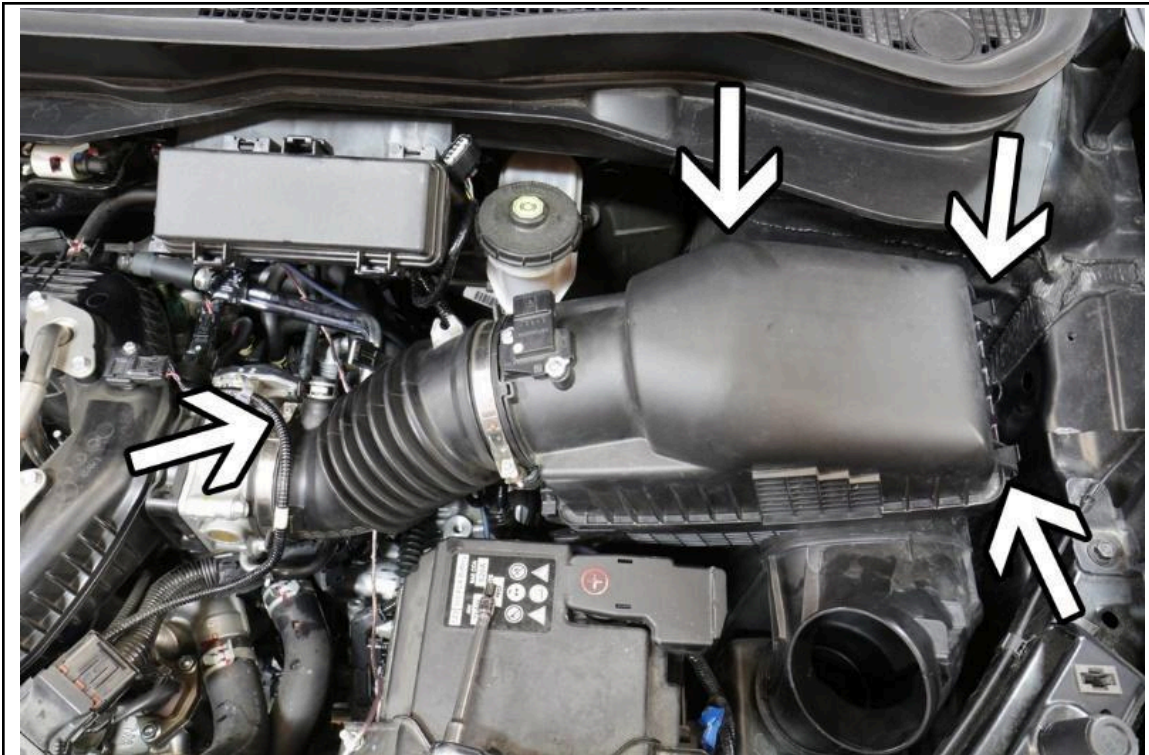
2. Firmly lift and remove the engine cover from the vehicle.



3. Loosen and remove the two clips securing the air duct, then remove the air duct from the air box.



4. Remove the Mass Air Flow (MAF) sensor connector harness from the sensor. Loosen the breather hose clamp and remove the breather pipe hardline from the intake hose. Remove any other clips that are connected to the hard line.



5. Unclip the three retaining clips securing the air box, then loosen the hose clamp securing the intake tube from the throttle body.



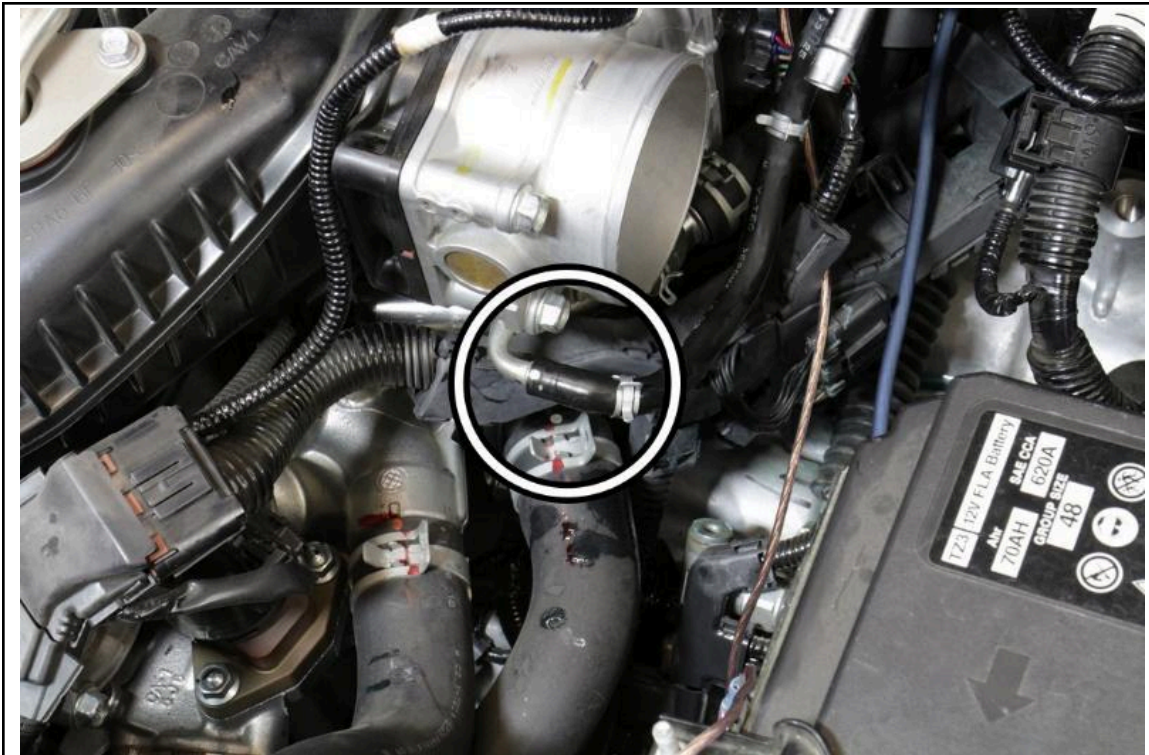
6. Remove the stock intake tube along with the top portion of the air box from the vehicle.



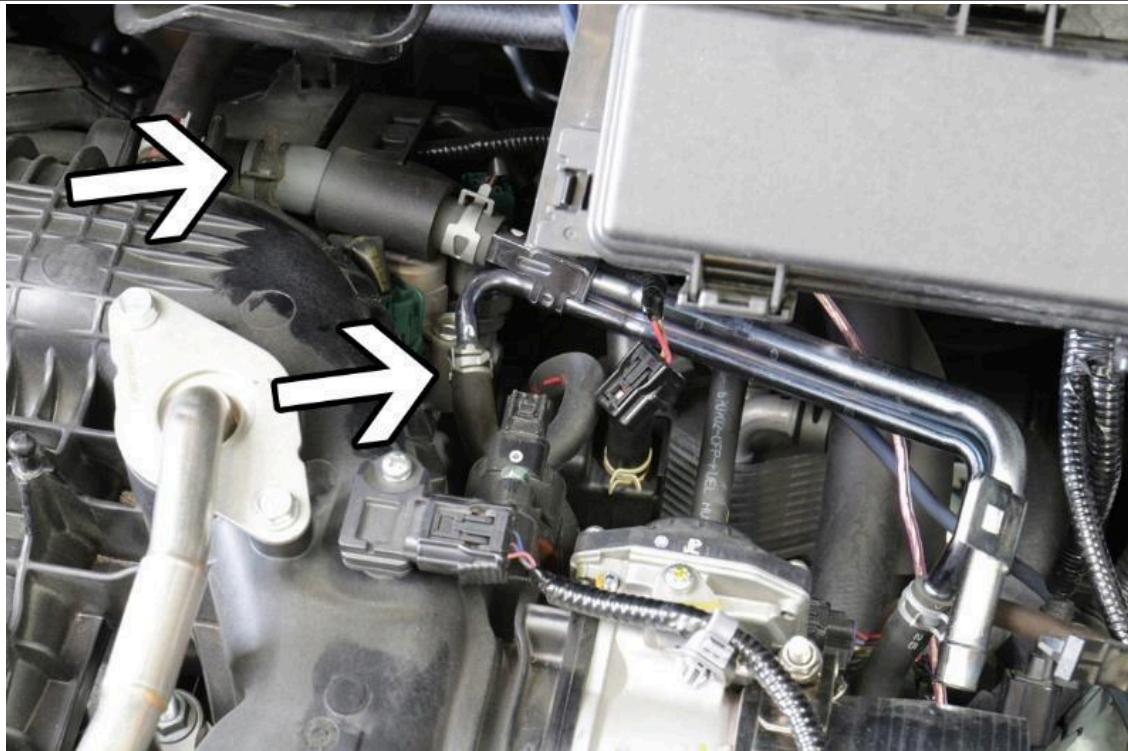
7. Depress each latch and remove the wiring harnesses from the air box bracket.



8. Remove the two 10mm bolts securing the lower air box and remove the air box assembly from the vehicle.



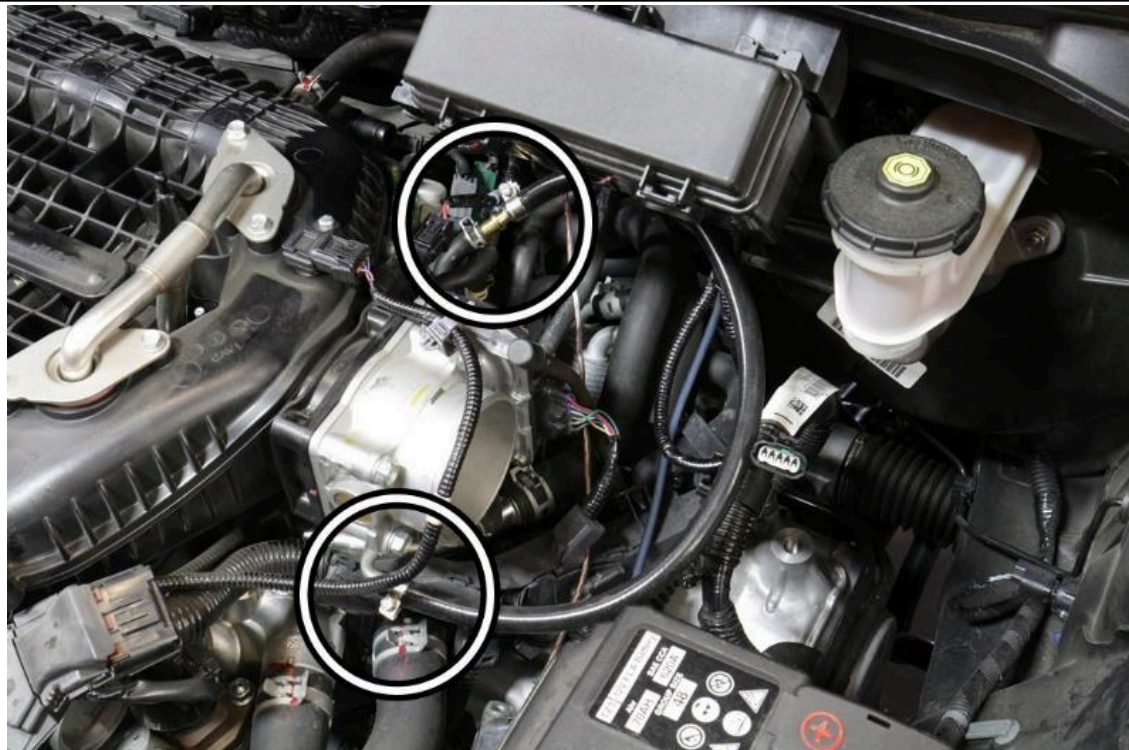
9. Loosen the hose clamp securing the coolant hose on the throttle body. When removing the hose, use a small zip lock bag to catch any coolant leaking from the throttle body or hose.



10. Loosen the hose clamps securing the breather hose and the coolant hose from the hard lines.



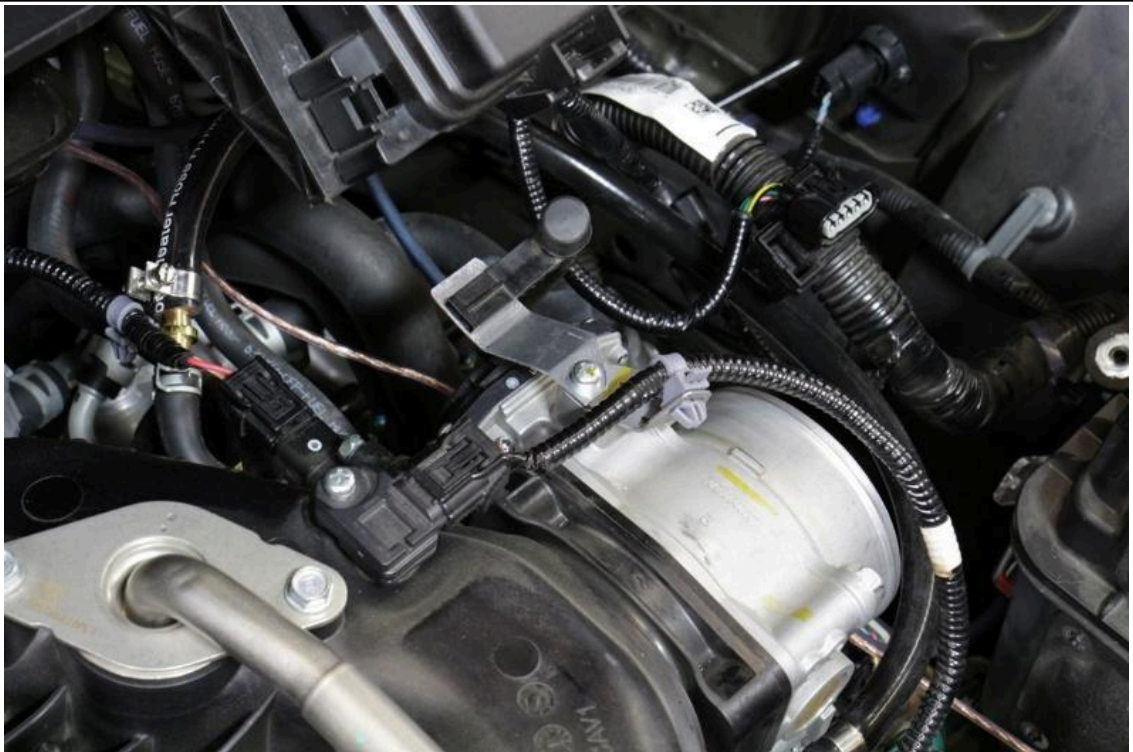
11. Remove the breather and coolant hard line assembly from the vehicle.



12. Attach and secure the provided 8mm barb onto the heater hose provided in the kit. Install the other end of the barb onto the coolant hose closest to the firewall and the other end onto the throttle body. Secure the hose onto the throttle body and barb using the provided FIC-13 clamp.



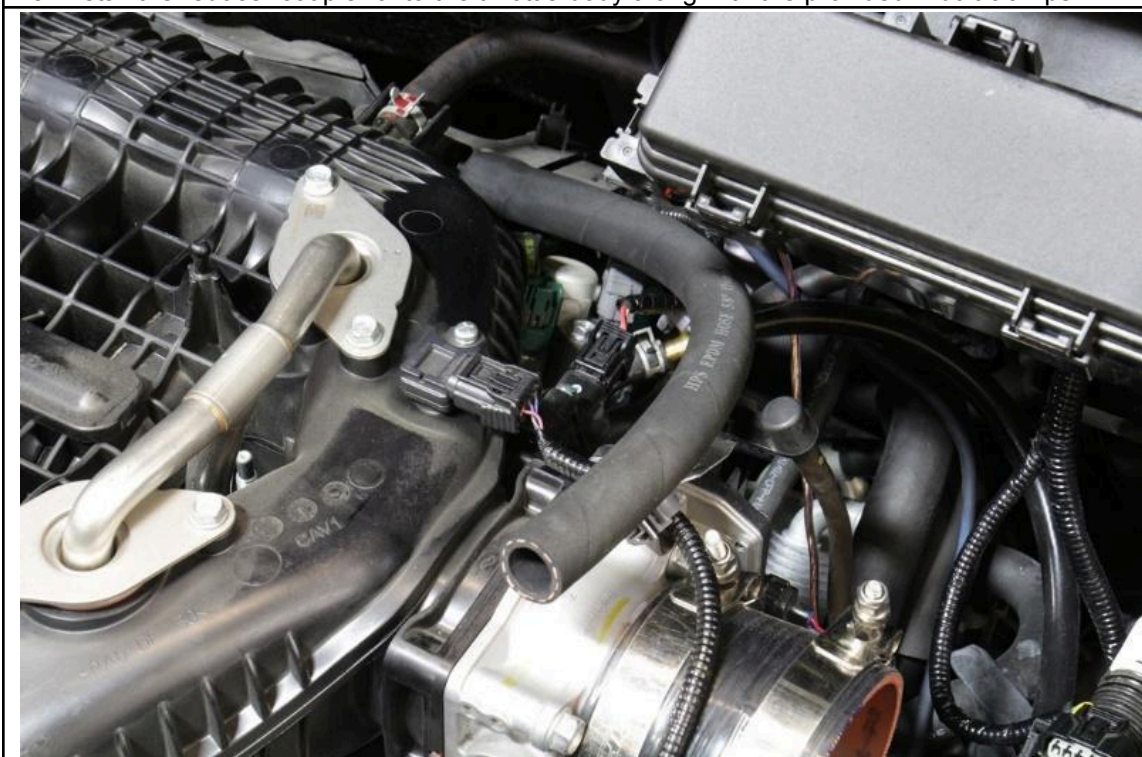
13. Loosen and remove the screw securing the harness bracket located on the throttle body.



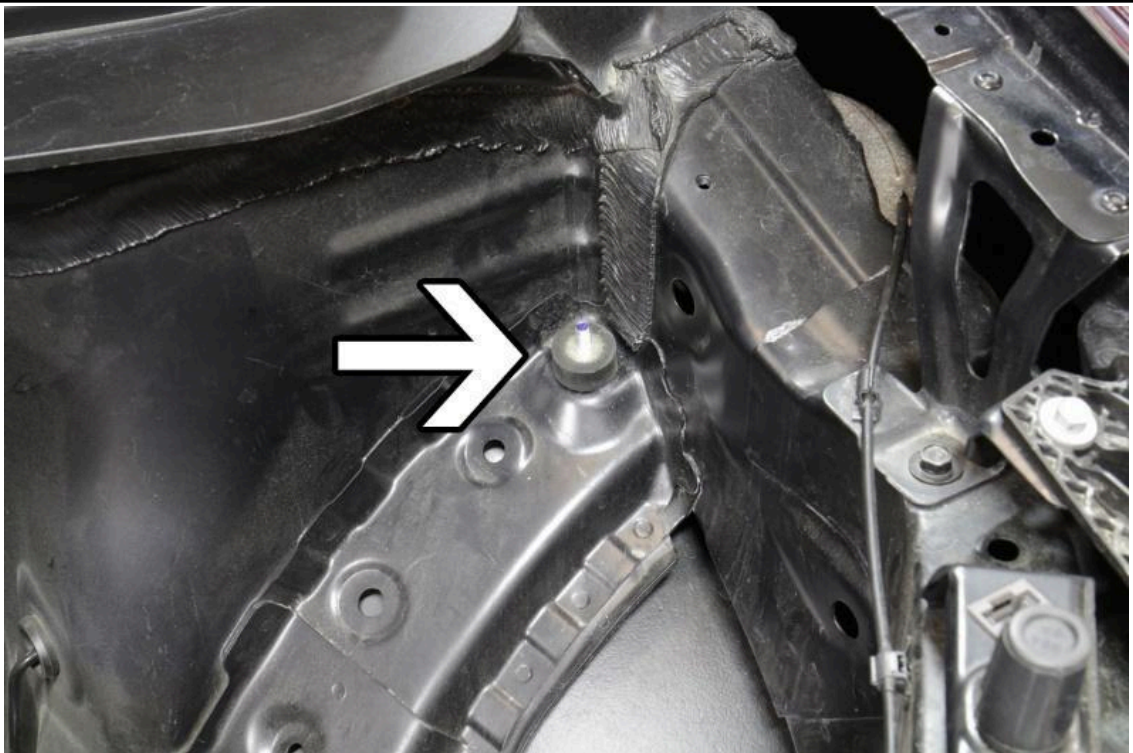
14. Reusing the screw removed from the previous step, install the provided bracket on top of the harness bracket. Install the transmission breather hose onto the bracket.



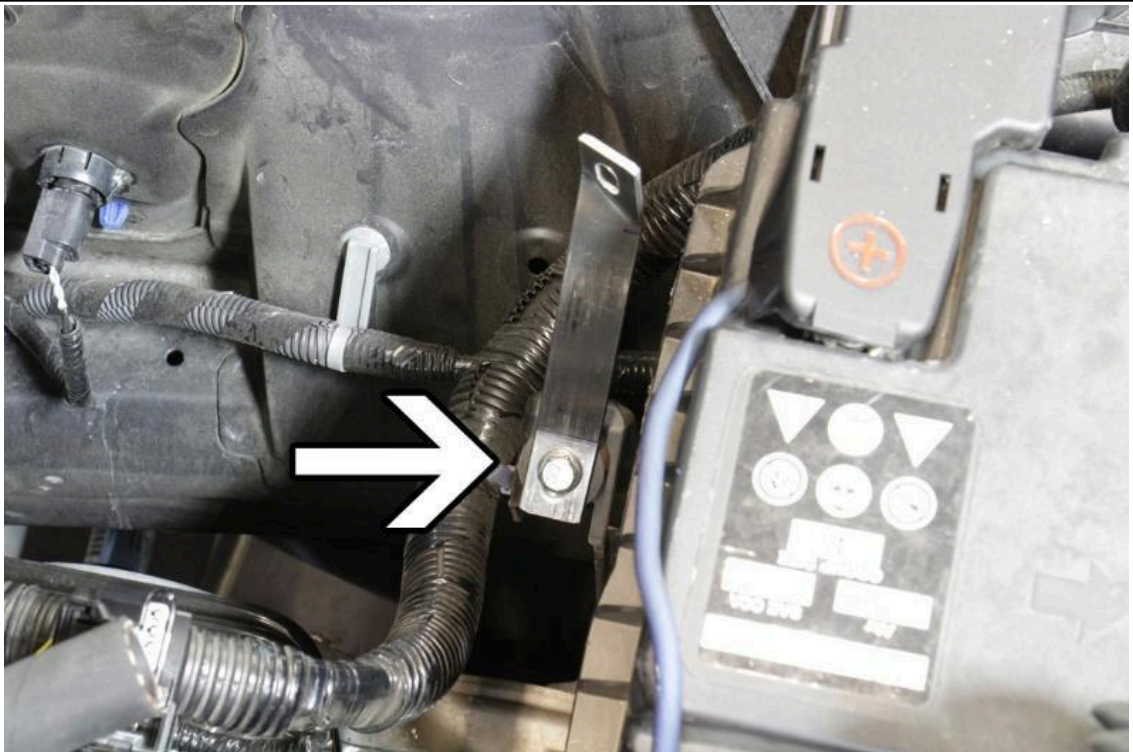
15. Install the reducer coupler onto the throttle body along with the provided T-bolt clamps.



16. Install the provided vacuum hose onto the breather barb along with the two EMSC clamps.



17. Install the 1/2" vibration mount onto the stock air box slot.



18. Install the male to female vibration mount onto the other air box mount located near the battery. Install the heat-shield bracket and secure the bracket with the provided M6, 12mm long bolt and washer.



19. Install the bubble edge trim on the outer part of the heat shield and the thin edge trim onto the opening of the heat-shield.



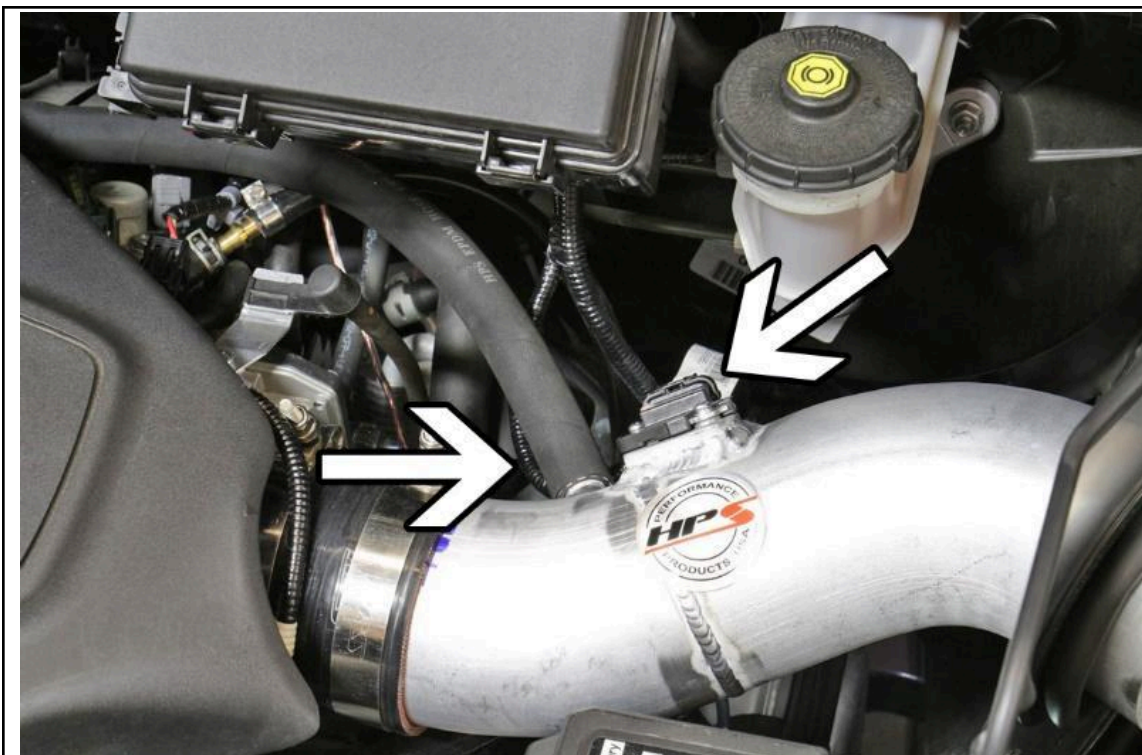
20. Install the MAF sensor onto the HPS intake.



21. Insert the HPS intake into the reducer coupler, but do not secure the intake yet.



22. Insert the intake into the heat shield. Secure the heat shield onto the bracket and the vibration mount using the remaining M6, 16mm long bolt, nuts, and washers. Once secured, rotate the intake to the proper position and secure the intake pipe.



23. Reconnect the MAF sensor connector harness back onto the sensor and insert the vacuum hose onto the intake barb.



24. Install the provided HPS filter onto the HPS intake pipe.



25. Reinstall the air duct and the engine cover back onto the vehicle.

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.

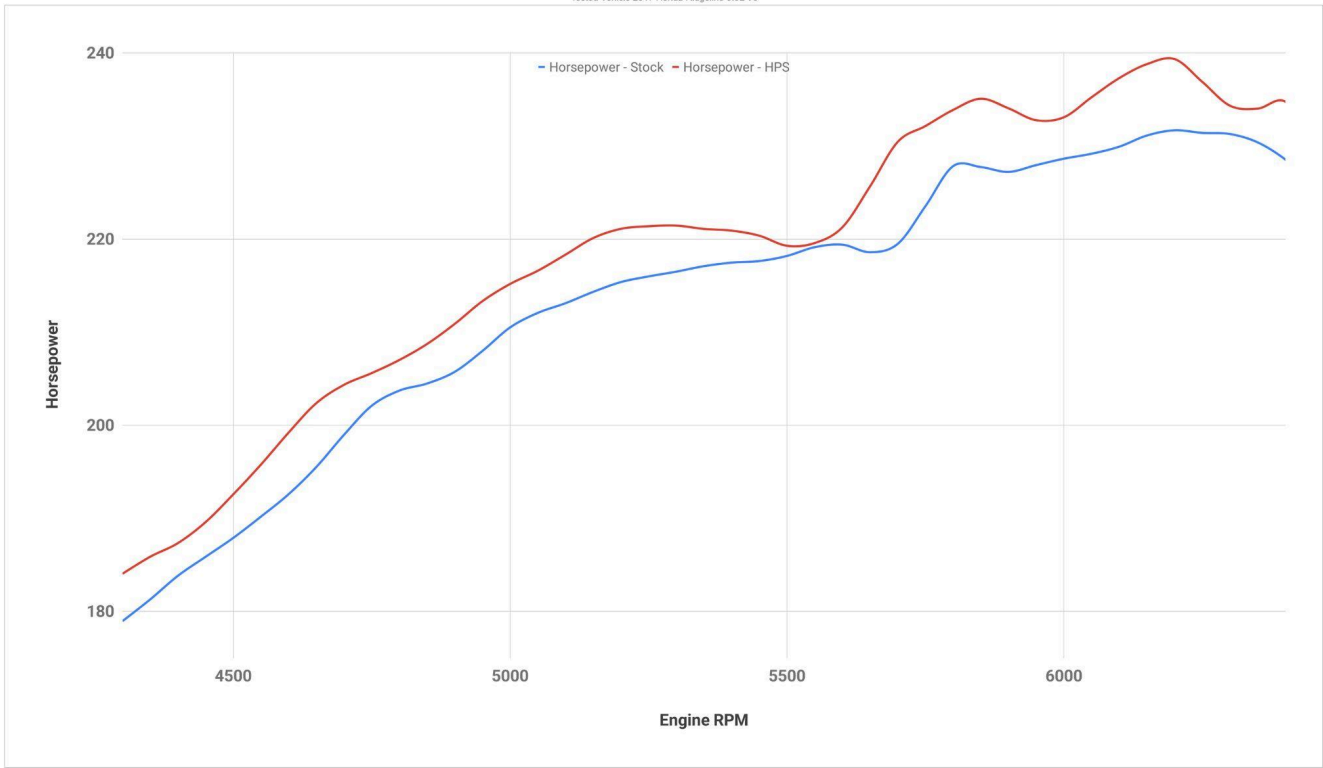
Periodically, recheck the alignment of the intake kit and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.



HPS Performance Air Intake Kit with Heat Shield (827 Series)
2016-2022 Honda Pilot 3.5L V6
2017-2025 Honda Ridgeline 3.5L V6
2019-2025 Honda Passport 3.5L V6
Part Number: 827-621

Maximum Horsepower Gains = 11 whp @ 5700 rpm

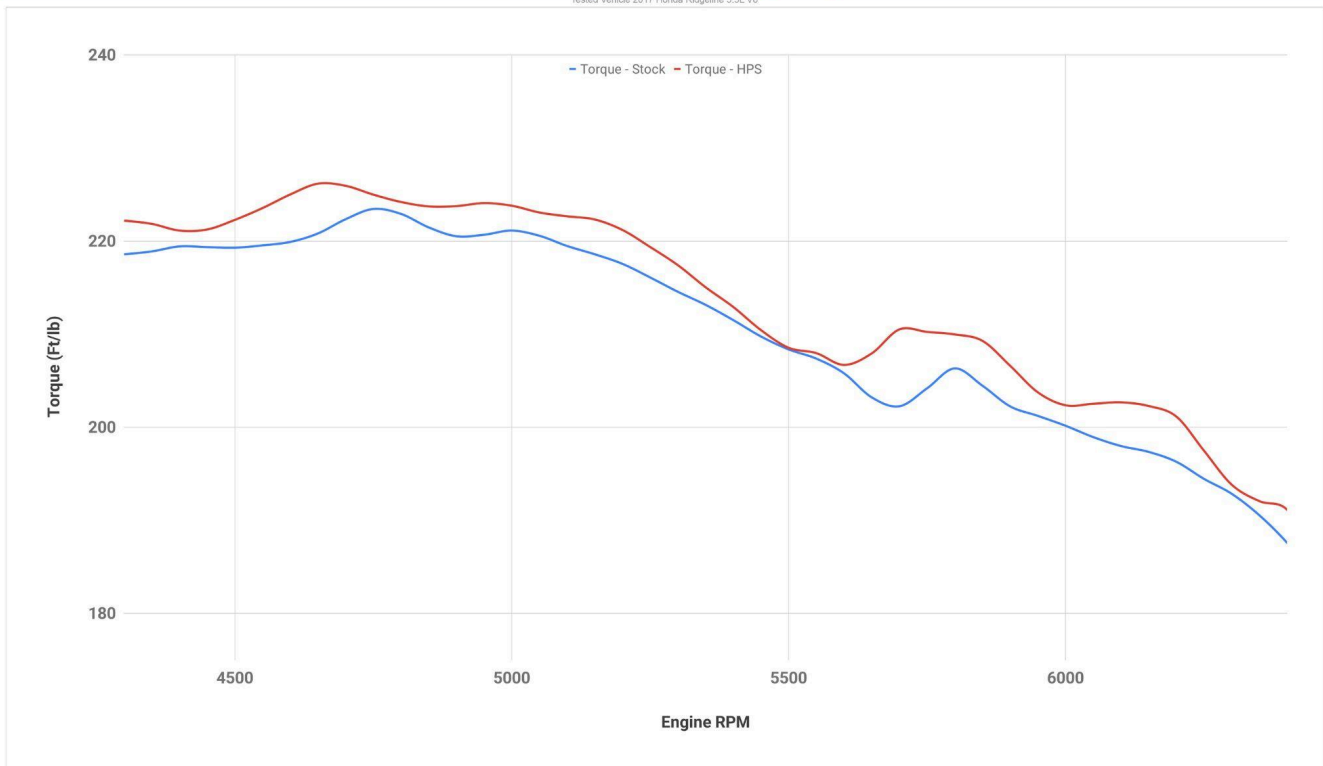
Tested Vehicle 2017 Honda Ridgeline 3.5L V6



HPS Performance Air Intake Kit with Heat Shield (827 Series)
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Maximum Torque Gains = 8.3 ft/lb @ 5700 rpm

Tested Vehicle 2017 Honda Ridgeline 3.5L V6



Also available for
2016-2022 Honda Pilot 3.5L V6
2017-2025 Honda Ridgeline 3.5L V6
2019-2025 Honda Passport 3.5L V6



HPS Performance Replacement Air Filter
For Intake Kit 827-621
Part Number [HPS-4298](#)



HPS Silicone Radiator and Heater Hose Kit
Part Number [57-1677](#)



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