



Performance Shortram Air Intake Kit

Part Number: 827-638

2015-2017 Ford Mustang 3.7L V6

Installation Instructions

For technical inquiries please email us at tech@hpsperformanceproducts.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: 827-638

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-438	1	
Heatshield	2	531-440	1	
HPS Air Filter	3	HPS-4303	1	
Bracket	4	530-441	1	
T-Bolt Clamp for 3.00" Hose	4	SSTC-79-87	1	
T-Bolt Clamp for 3.25" Hose	4	SSTC-86-94	2	
T-Bolt Clamp for 3.50" Hose	4	SSTC-95-103	1	
3"- 3.25" Reducer Coupler, x 3" Length	4	P3SR-300-325	1	
3.25"- 3.50" Reducer Coupler, x 3" Length	4	P3SR-325-350	1	
6mm bolt x 12mm Length	4	HW-B6-12	2	
6mm bolt x 16mm Length	4	HW-B6-16	2	
6mm Flat Washer x 16mm OD	4	HW-FW6L	5	
M6 Flange Nut	4	HW-N6	1	
Velocity Stack 3.5" to 6" inlet	4	HW-VS-350-600	1	
Edge Trim with bulb x 58" inches	4	BUBBLE EDGE TRIM	1	

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

PLEASE READ CAREFULLY BEFORE INSTALLATION!

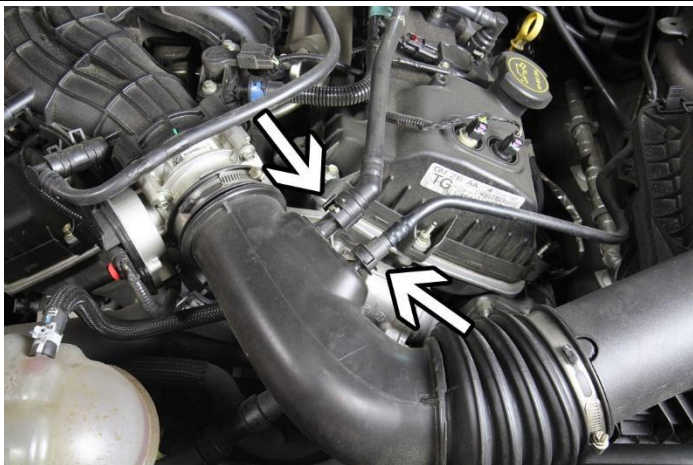
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

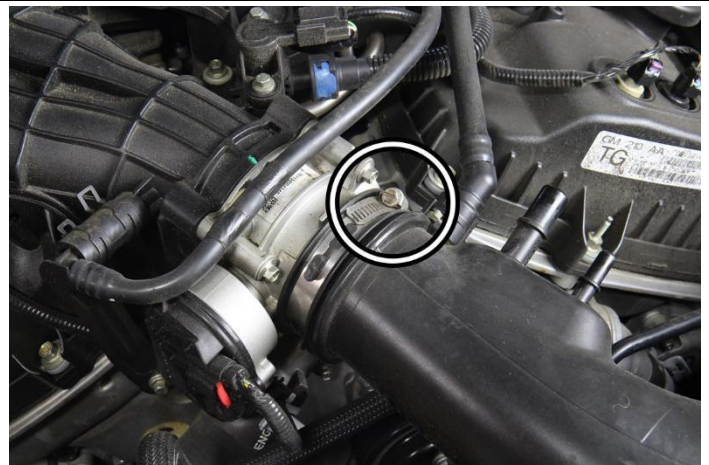
GETTING STARTED

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.

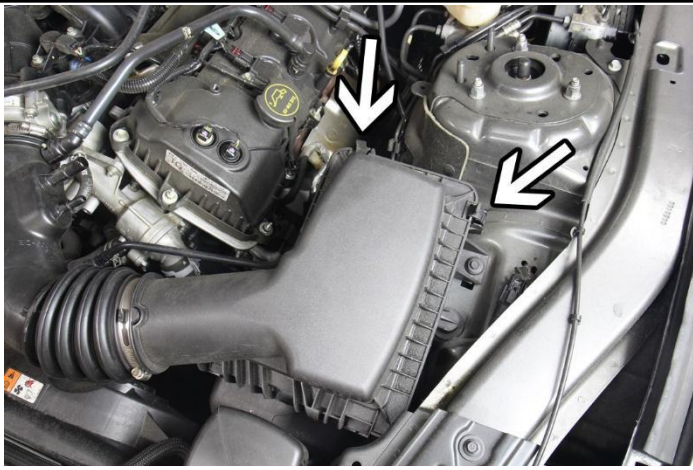
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicles' anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicles anti-theft code. We also highly recommend NOT discarding any stock parts after the installation.



2. Disconnect the vent lines from the stock intake tube.



3. Loosen the hose clamp securing the intake tube from the throttle body.



4. Disconnect the two retaining clips securing the upper air box.



5. Disconnect the intake tube from the throttle body and remove the intake tube along with the top portion of the air box from the vehicle.



6. Remove the 10mm bolt securing the lower air box assembly.



7. Remove the lower air box assembly from the vehicle.



8. Install the edge trim completely around the heatshield. Cut off any excess lengths when it is fully wrapped around the heatshield.



9. Install and secure the "L" bracket using a 6mm x 16mm bolt, nut, and washers.



10. Install the 3.00" - 3.25" reducer coupler onto the throttle body along with the T-bolt clamps provided in the hardware kit.



11. Install the 3.25" - 3.50" reducer coupler onto the end of the HPS intake pipe. Secure the coupler to the intake pipe with the provided T-bolt clamps.



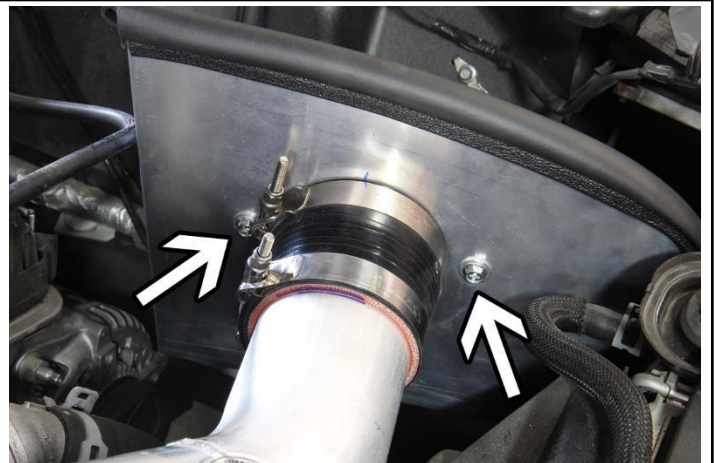
12. Insert the HPS intake pipe into the throttle body coupler, but do not tighten the clamp all the way so you can adjust the pipe accordingly to the heatshield.



13. Insert the heatshield into the vehicle and secure the bracket onto the stock air box mount using a 6mm x 16mm and washer.



14. Insert the velocity stack through the heatshield and into the reducer coupler.



15. Rotate the velocity stack until the threads match the holes of the heatshield. Secure the velocity stack onto the heatshield using the two 6mm x 12mm bolts and washers provided in the hardware kit.



16. Install the provided HPS performance filter onto the velocity stack.



17. Re-connect the vent lines onto the intake ports.

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.

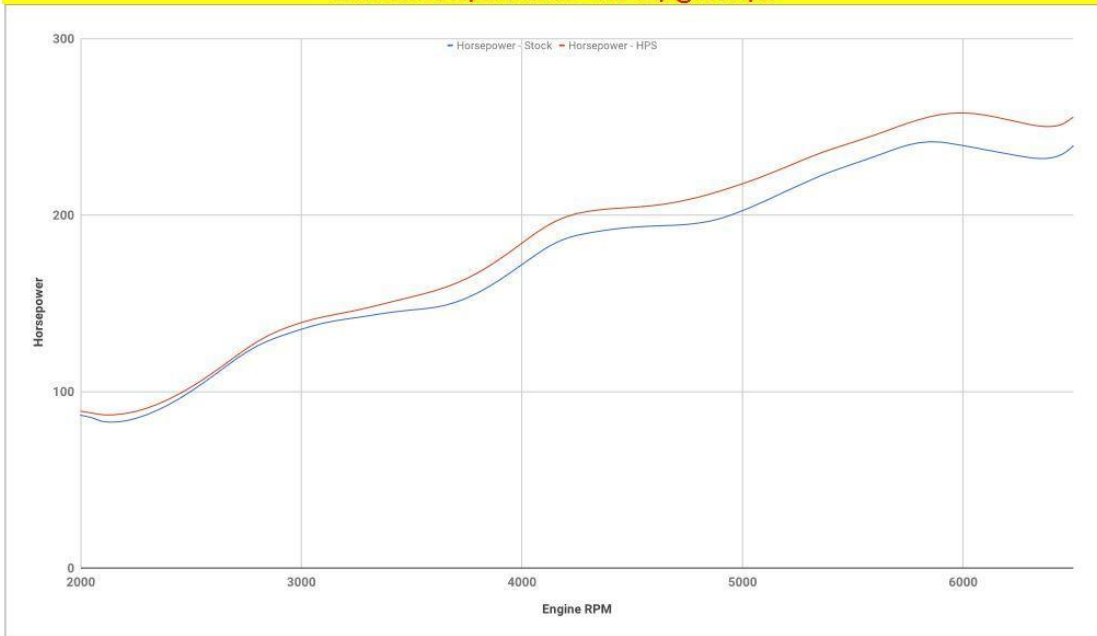
Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles and correct the problem.

Periodically, recheck the alignment of the intake system 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.



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Part Number: 827-638

Maximum Horsepower Gains = 19.7 whp @ 6100 rpm



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Maximum Torque Gains = 16.9 ft/lb @ 4900 rpm

