



## **Performance Air Intake Kit**

**Part Number: 827-556**

**Ford 2015-2017 Mustang 5.0L V8**

## **Installation Instructions**

For technical inquiries please email us at [tech@hpsperformanceproducts.com](mailto: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: 827-556

Line #	Description	Part Number	Qty
1	Air Intake Pipe	529-248	1
2	HPS Air Filter	HPS-4300	1
3	Heat Shield	531-249	1
4	T-Bolt Clamp for 3.50" Hose	SSTC-95-103	1
5	T-Bolt Clamp for 4.00" Hose	SSTC-108-116	1
6	3.5"- 4" Reducer x 3" Long	P3SR-350-400-L3	1
7	MAF Sleeve	HW-VEN-400-375	1
8	4mm Allen Bolts 8mm Long	HW-B4-8	2
9	8mm Bolt 16mm Long	HW-B8-16	1
10	8mm Flat Washer 24mm OD	HW-FW8L	1
11	Rubber Grommet for 25mm hole	HW-RG25	1
12	Vacuum Cap 3/8"	HW-VC-038	1
13	Thin Edge Trim, 15" Long	Thin Edge Trim	1
14	Edge Trim with Bulb, 36" Long	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](mailto: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](mailto: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.

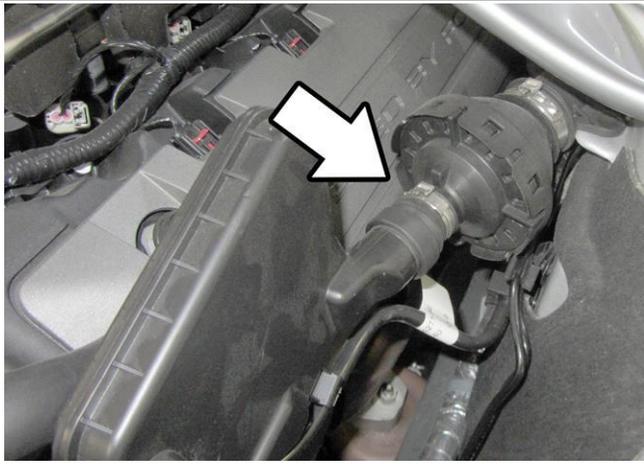
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



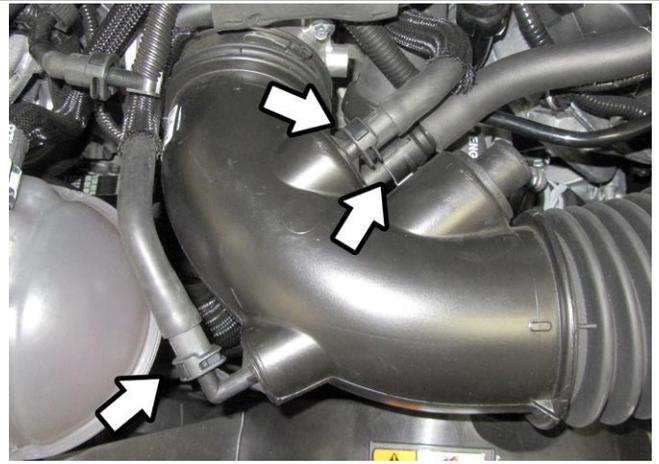
2. Lift and remove the engine cover.



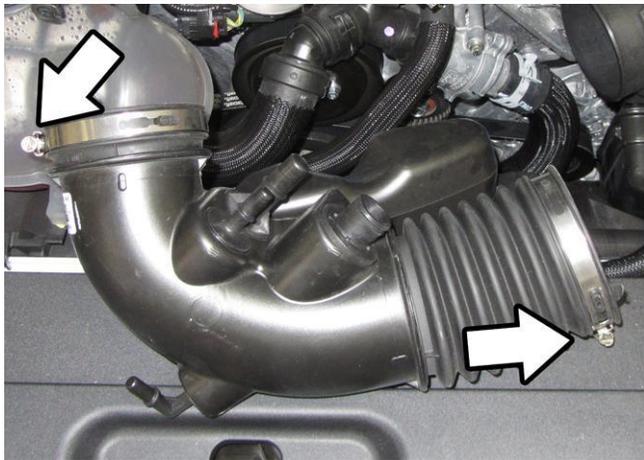
3. Pinch and release the spring clamp to disconnect the sound tube from the intake tube.



4. Locate and pry off the clamp from the sound tube as shown. Remove the sound tube hose.



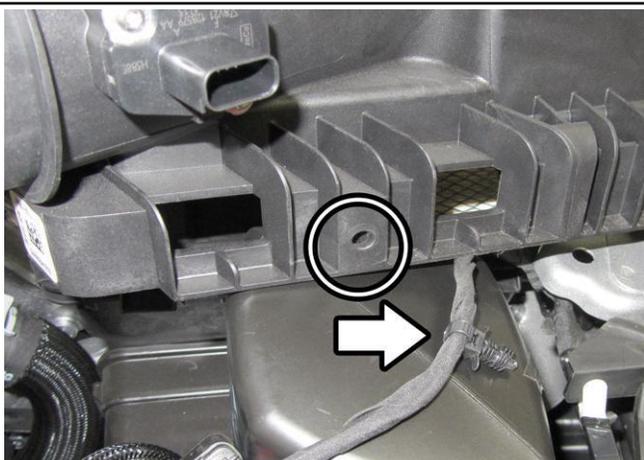
5. Depress the locking tabs holding the three air hoses shown in the picture and disconnect from the intake tube.



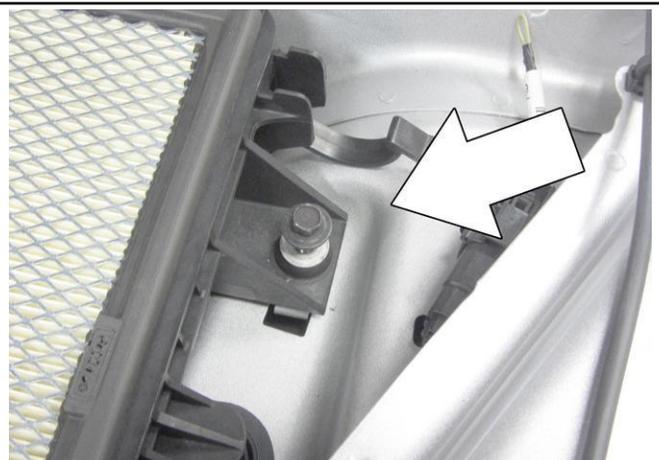
6. Loosen the clamps from the throttle body and the air box, then remove the factory intake elbow from the vehicle.



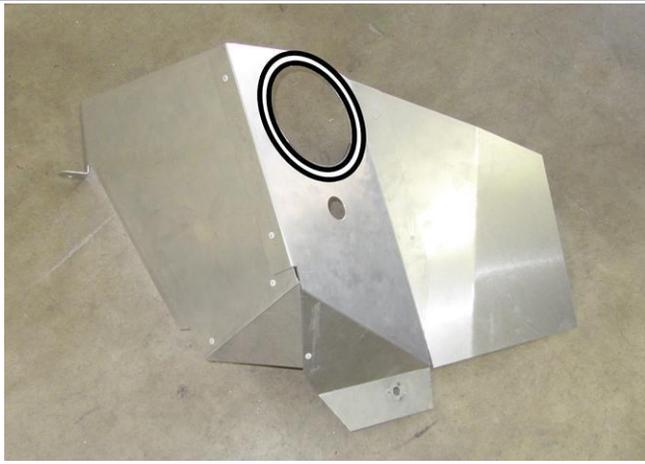
7. Pull back the red locking tab and disconnect the Mass Air Flow sensor harness.



8. Unclip the locking tabs holding the top portion of the air box, then remove the clip holding the MAF sensor harness. Once free, remove the air box from the engine bay.



9. Remove the 10mm bolt holding the remaining lower air box assembly, then remove from vehicle.



10. Install the edge trim around the intake opening.



11. Measure and cut the edge trim provided in the hardware kit to place in the areas shown above for the heat shield.



12. Insert the heat shield and secure the top mounting tab by re-using the factory bolt.



13. Secure the bottom mounting location with the M8 bolt and washer provided.



14a. Remove the tab connectors holding the MAF harness from the locations shown.



14b. Remove the tab connectors holding the MAF harness from the locations shown.



15. Install the rubber grommet and feed the MAF sensor harness through the opening of the heat shield.



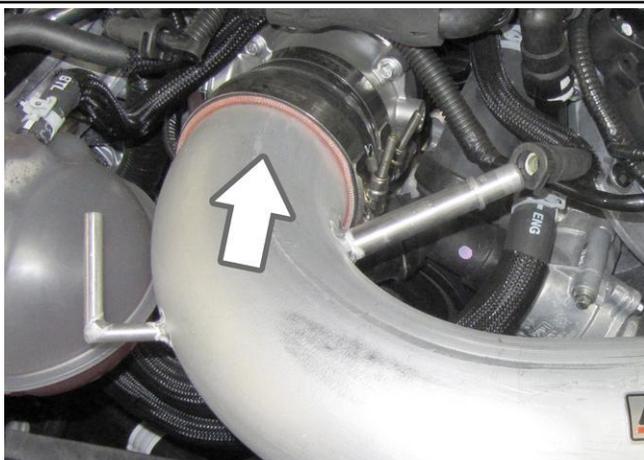
16. Place the reducing coupler and T-bolt clamps onto the throttle body. Only tighten the clamp on the throttle body side for now.



17. Install the MAF sleeve into the intake pipe as shown.



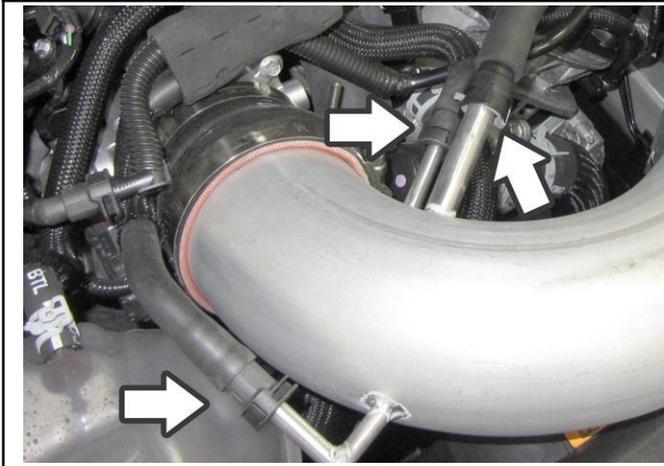
18. Once the MAF sleeve is lined up, remove the MAF sensor from the stock air box and install it onto the HPS intake pipe using the M4 screws included.



19. Install the intake tube into the throttle body.



20. Remove the clamp from the HPS air filter and place the clamp onto the intake pipe first, then install the air filter onto the intake pipe.



21. Reconnect the air hoses until they click into place.  
*Vehicles without a EVAP vent line will need to install the provided  $\frac{3}{8}$ " vacuum cap onto the quick connect fitting on the HPS intake pipe.*



22. Reinstall the engine cover.

### 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.



**Available Now!**

**HPS Silicone Radiator + Heater Coolant Hose Kit**

**Black / Blue / Red**

**Ford 2015-2017 Mustang GT 5.0L V8 (Part # 57-1502)**

