



# Performance Shortram Air Intake Kit

## Part Number: 827-267

**2011-2014 Hyundai Sonata 2.4L 4cyl**  
**2011-2015 Kia Optima 2.4L 4cyl**

## 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

## Part Number: 827-267

Description	Prep	Part Number	Qty	Check
Intake Pipe	1	529-150	1	
HPS Air Filter	2	HPS-4276	1	
Heat Shield	2	HS-404	1	
Bracket	3	530-151	1	
T-Bolt Clamp for 3" Hose	4	SSTC-79-87	2	
Worm Gear Clamp	4	EMSC-8-12	1	
3" Silicone Coupler x 2" Length	4	P3SC-300-L2	1	
3/8" Vacuum Hose, 8" length	4	HTSVH95-BLK	8"	
3/8" Vacuum cap (for Manual Trans)	4	HW-VC-038	1	
6mm Bolt x 12mm long	4	HW-B6-12	1	
6mm Flange Nut	4	HW-N6	1	
6mm Flat Washer 12mm OD	4	HW-FW6L	2	
Rubber Vibration Mount 6mm x 1/2" Tall	4	HW-RM6-50	1	
Clamp for Heatshield	4	EMSC-80-100	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.

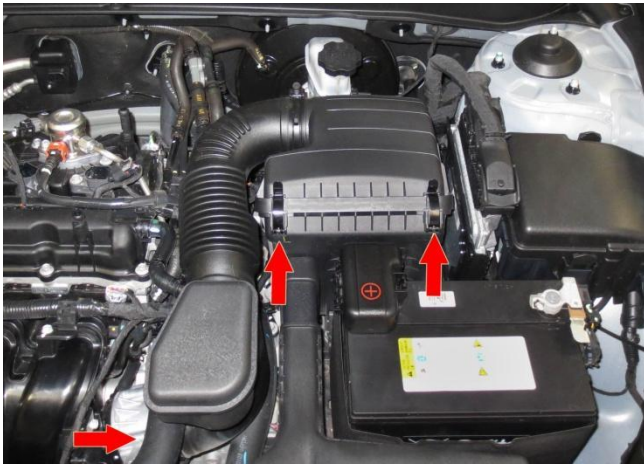
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



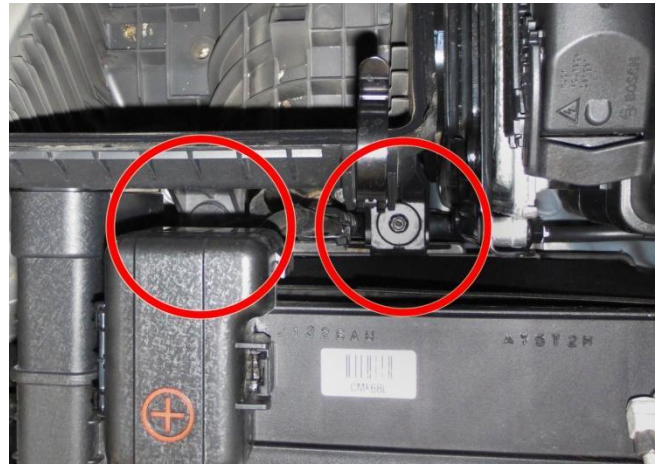
2. Remove the engine cover by pulling up from the front and lifting straight up.



3. Use pliers to remove the spring clamps and disconnect the hoses in the image above.



4. Use a 10mm socket to loosen the clamp from the intake hose to the throttle body. Unclip the top cover of the air box and remove from the engine bay.



5. Remove the 2 bolts on the lower half of the air box with a 10mm socket. Remove the air box from the engine bay.



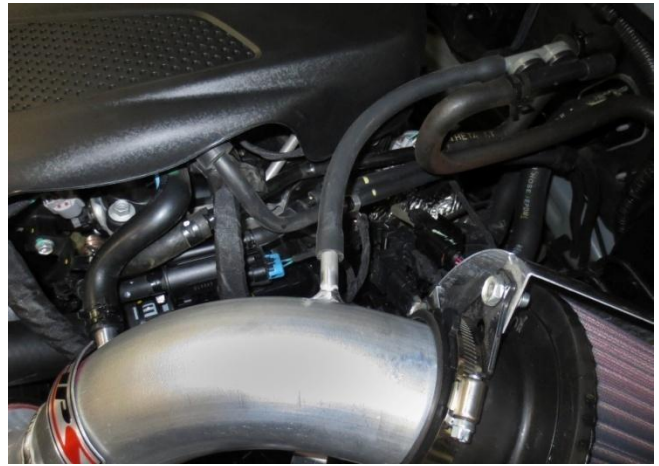
6. Install the rubber mount into the threaded hole indicated in the image.



7. Install the silicone coupler and T-bolt clamps onto the throttle body and install the intake pipe.



8. Pre-install the heat shield onto the HPS filter then install the filter onto the intake pipe. Install the intake bracket onto the rubber mount with the included hardware.



9. Install the 3/8" silicone hose onto the intake and the EVAP check valve. If your vehicle does not have an EVAP check valve, install the included vacuum cap onto the barb on the pipe.



10. Reinstall the factory breather hose onto the intake.



11. 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.

