



Performance Shortram Air Intake Kit Part Number: 827-587

**2011-2015 Kia Optima 2.0L Turbo
2011-2014 Hyundai Sonata 2.0L Turbo**

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: 827-587

Description	Prep	Part Number	Qty	Check
Intake Pipe	1	529-314	1	
Intake Bracket	2	530-315	1	
Heatshield	3	531-316	1	
HPS Air Filter	4	HPS-4276	1	
T-Bolt Clamp for 2.5" Hose	5	SSTC-67-75	1	
T-Bolt Clamp for 3" Hose	5	SSTC-76-84	1	
2.5" – 3" Reducer x 3" Long	5	P3SR-250-300	1	
6mm Flange Nut	5	HW-N6	4	
6mm Flat Washer 16mm OD	5	HW-FW6L	6	
6mm Flange Bolt, 12mm Long	5	HW-B6-12	2	
6mm Rubber Vibration Mount, 1" Tall	5	HW-RM6-100	2	
6mm Male to Female Rubber Vibration Mount, 1" Tall	5	HW-RM6-100-MF	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.
- 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 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.

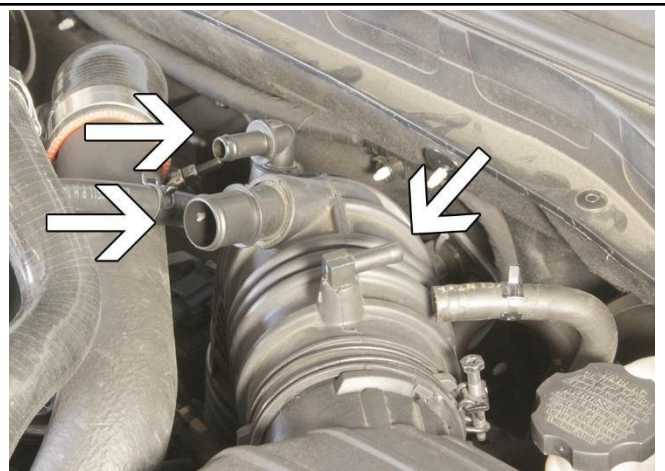
GETTING STARTED

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 vehicle's anti-theft code. We also highly recommend NOT discarding any stock parts after the installation.



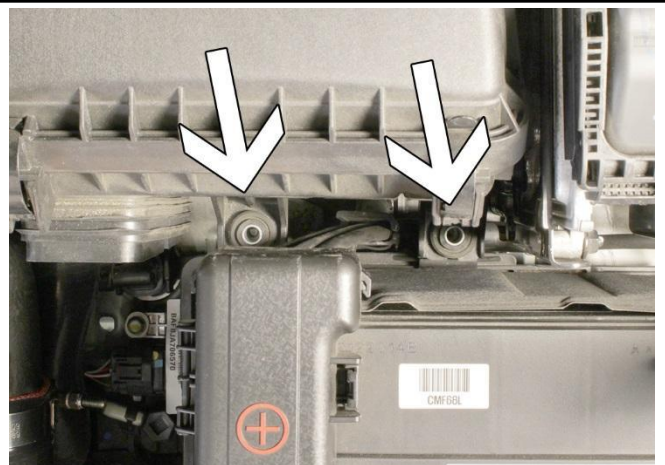
2. Remove the air duct from the engine bay by removing the two bolts on the radiator support.



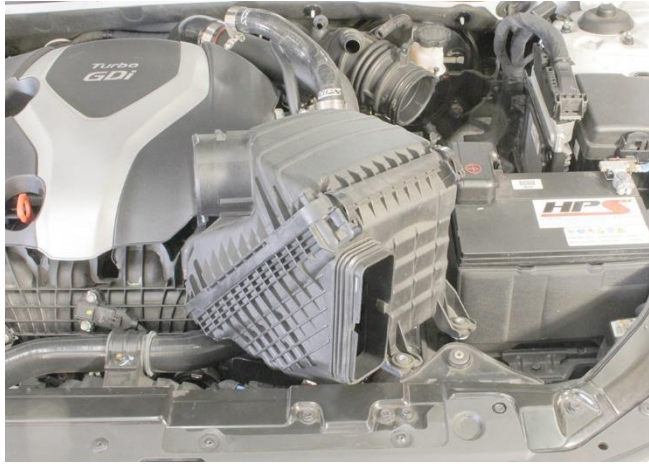
3. Disconnect the 3 hoses from the intake tube as indicated.



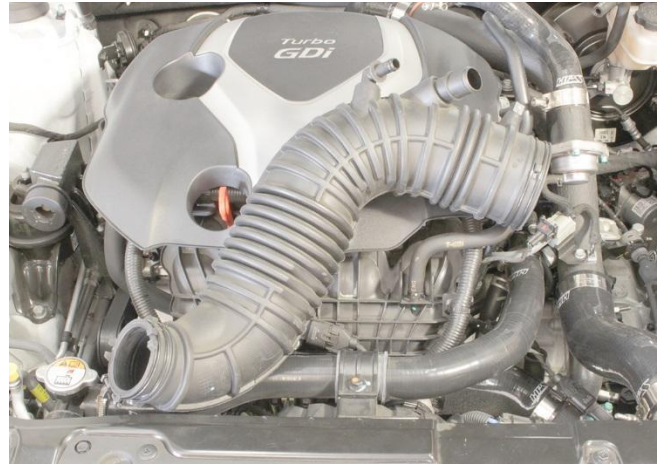
4. Use a 10mm socket to loosen and disconnect the intake tube from the air box.



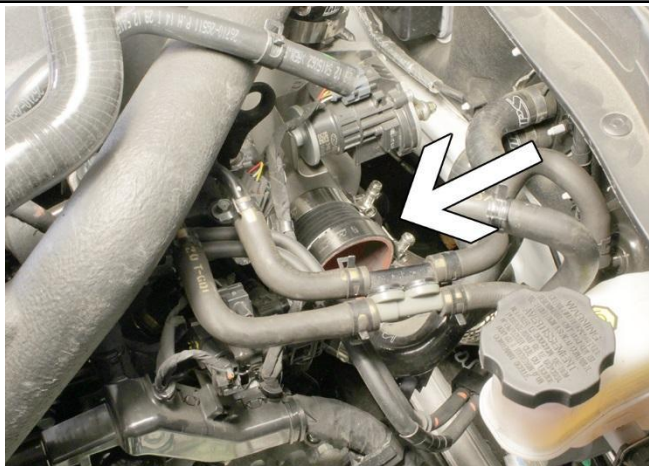
5. Remove the two bolts at the front of the air box using a 10mm socket.



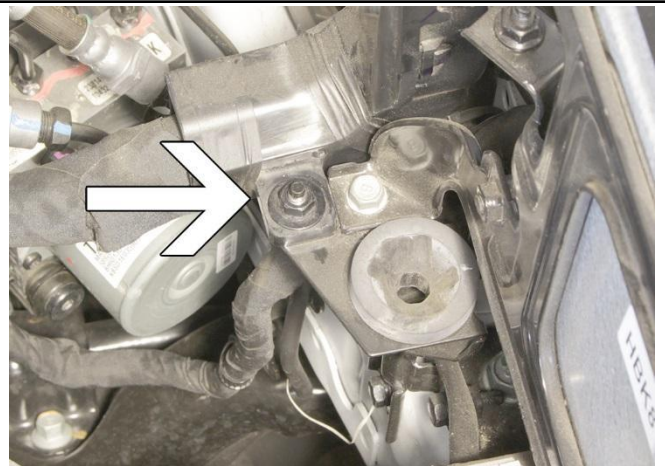
6. Remove the air box from the engine bay.



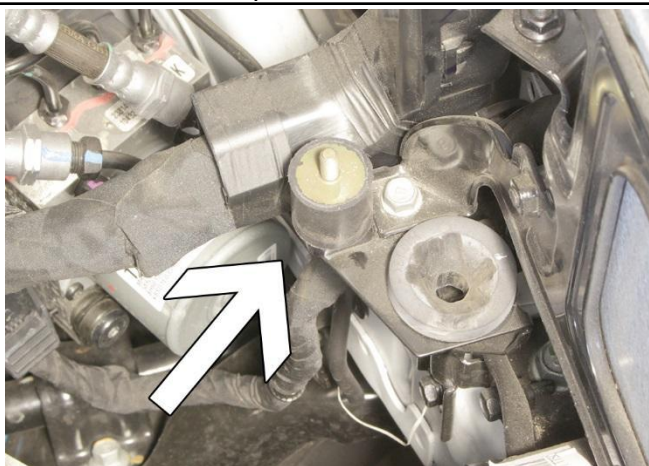
7. Locate and loosen the clamp on the turbo inlet using a 10mm socket then remove the stock intake tube from the engine.



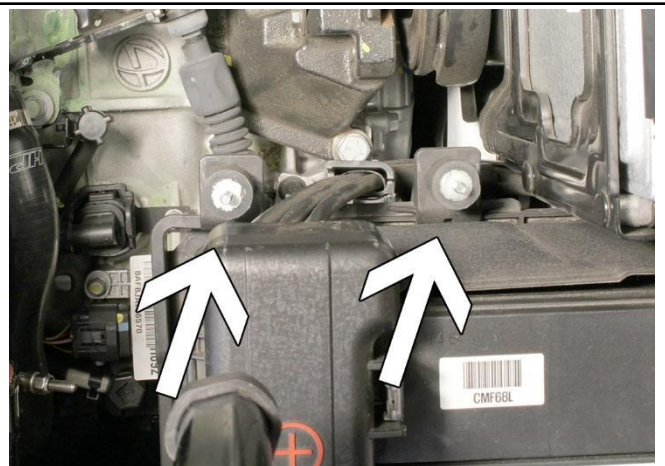
8. Install the silicone reducer onto the turbo inlet with the T-bolt clamps included.



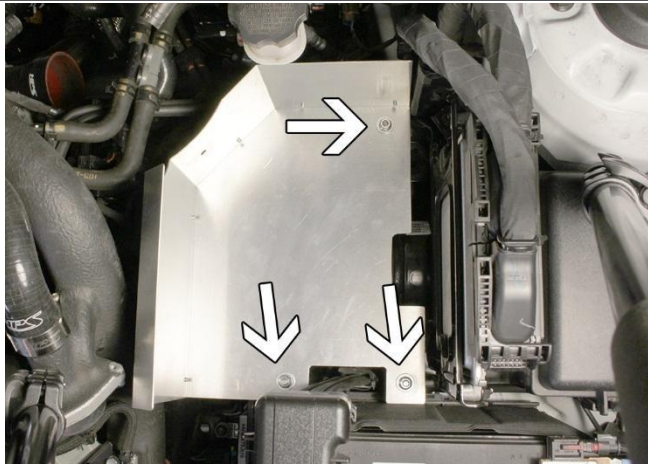
9. Remove the M6 nut shown here using a 10mm socket.



10. Install the male-to-female rubber mount in place of the nut removed in the previous step.



11. Install the male-to-male rubber mounts onto the factory air box mounts in the front.



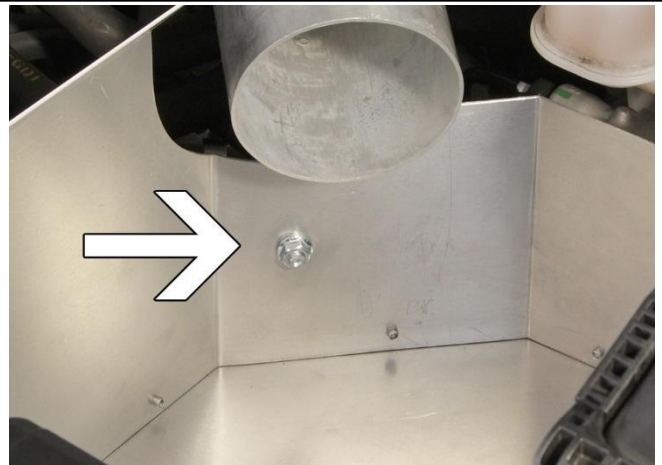
12. Install the heat shield onto the rubber mounts, then use a M6 nut and washer for each of the mounting locations on the heat shield to secure.



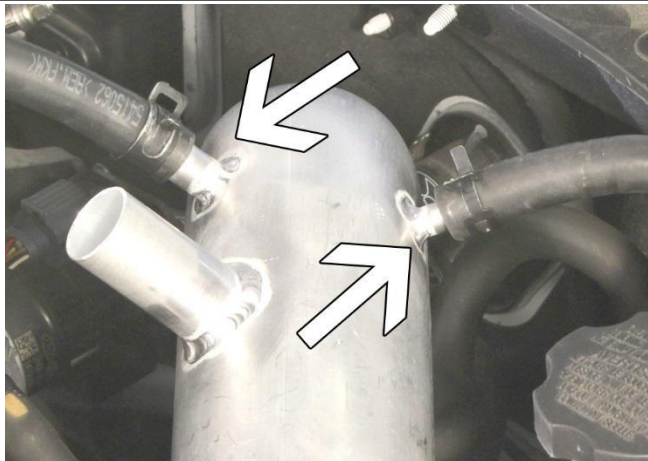
13. Mount the intake bracket onto the intake pipe with a M6 bolt and washer.



14. Loosely install the HPS intake pipe into the coupler on the turbo inlet.



15. Use a M6 bolt, washer, and nut to secure the intake bracket to the heatshield.



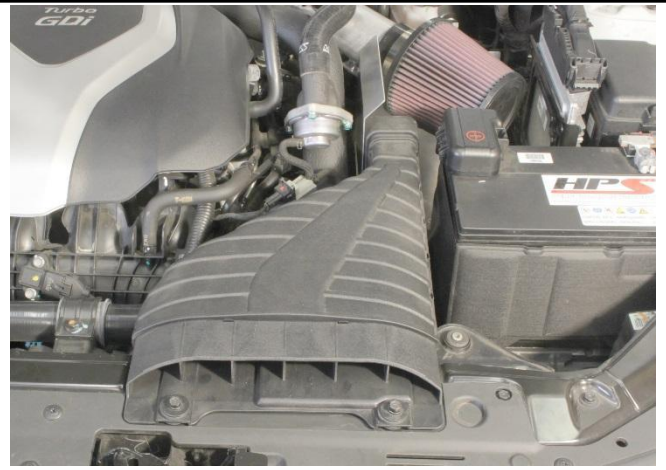
16. Reconnect the breather hose and check valve hose onto the intake pipe.



17. Loosen the boost bypass recirculation hose from the intercooler piping then reposition the hose to connect to the HPS intake pipe.



18. Install the HPS air filter onto the intake pipe.



19. Reinstall the factory air scoop.

Final Steps

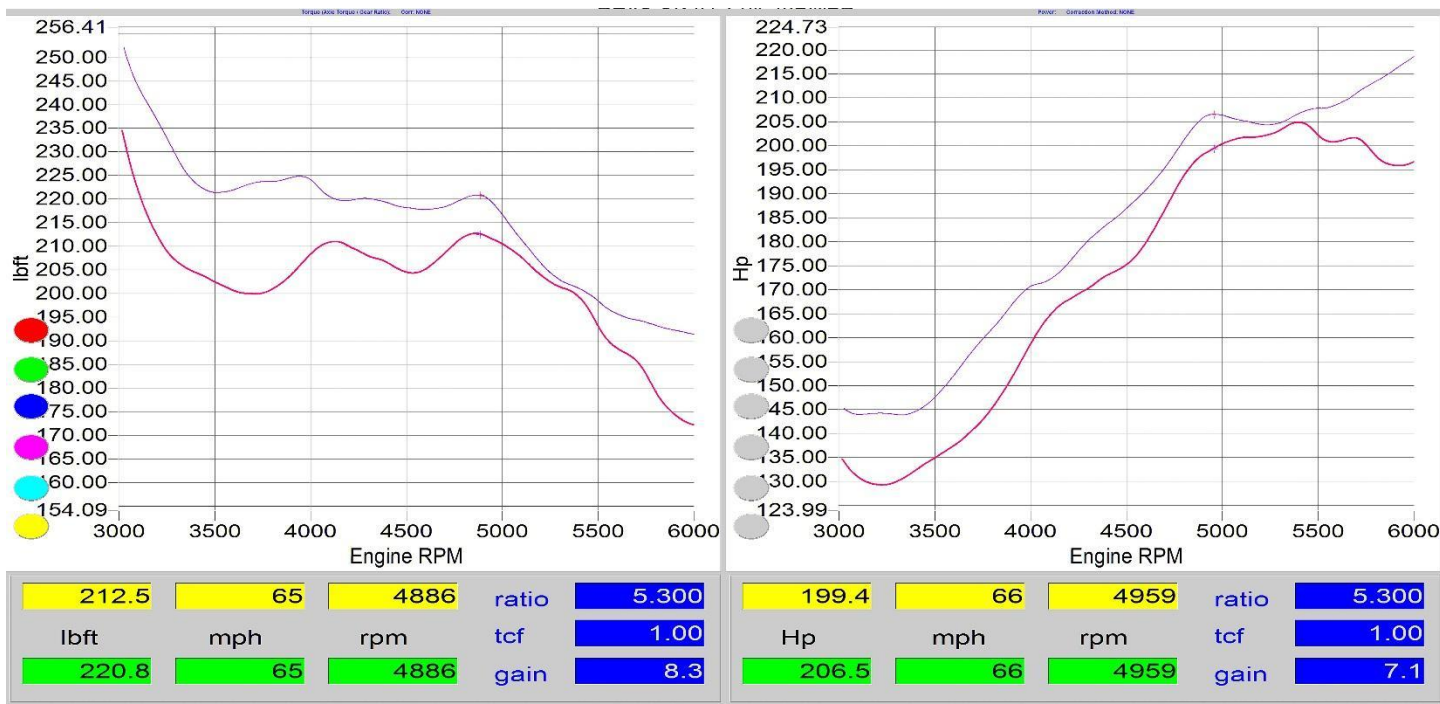
Once the intake has been positioned, tighten all of the clamps and secure all of the parts.

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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Also available for 2011-2014 Hyundai Sonata 2.0T and 2011-2014 Hyundai Sonata 2.0T



HPS Reinforced Silicone Intercooler Hose Kit
 Part Number: 57-1420 MSRP: \$200

HPS Reinforced Silicone Coolant Hose Kit
 Part Number: 57-1418 MSRP: \$180

Contact an authorized HPS Performance Products dealer or visit us at
www.hpsperformanceproducts.com for more details