



Performance Shortram Air Intake Kit Part Number: 827-594

**2015-2019 Hyundai Sonata Eco 1.6L Turbo
2016-2020 Kia Optima LX 1.6L 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: 827-594

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-327	1	
HPS Air Filter	2	HPS-4276	1	
Heatshield	2	HS-404	1	
Intake Bracket	3	530-328	1	
2.75"-3.00" Reducer x 3" Long	4	P3SR-275-300-L3	1	
T-Bolt Clamp for 2.75" Hose	4	SSTC-73-81	1	
T-Bolt Clamp for 3" Hose	4	SSTC-79-87	1	
Worm Gear Clamp for Heatshield	4	EMSC-80-100	1	
6mm Bolt X 12mm long	4	HW-B6-12	1	
6mm Bolt X 25mm long	4	HW-B6-25	1	
6mm Flat Washer 16mm OD	4	HW-FW6L	2	
M6 x 13mm OD, 5mm thick spacer	4	94669A165	1	
9.5mm, 90 degree barb fitting	4	HW-BF90-038	1	
10mm rubber grommet	4	HW-RG10	1	
3.5" long double sided tape, 1" wide	4	DST	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!

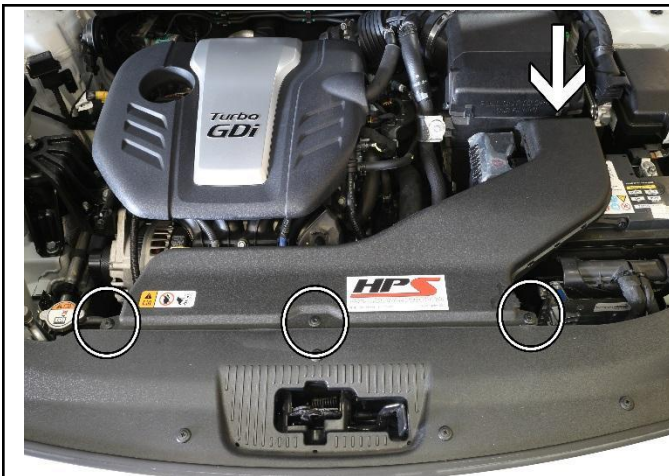
This installation is not for the novice customer. Install this system with EXTREME caution! Misuse of this product can destroy your engine! If you are not well versed in the installation of intakes and if you are not mechanically inclined, please have a tuner shop install this kit.

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

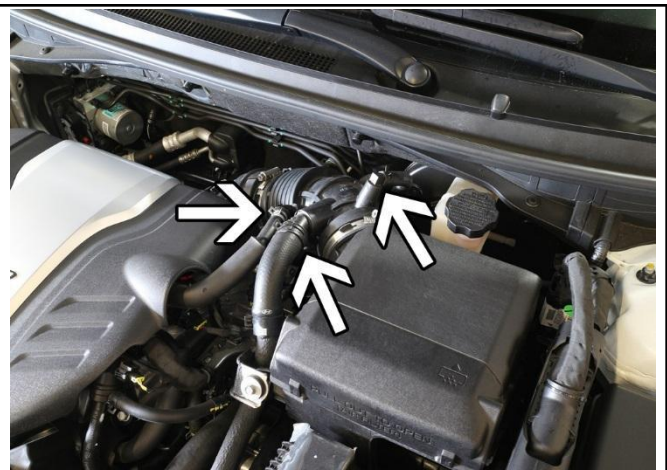
GETTING STARTED

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.

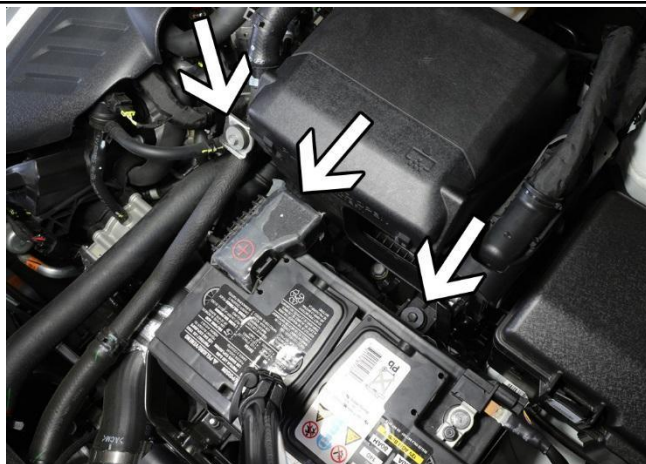
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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. Remove the three clips securing the air induct, then disconnect the air induct from the air box.



3. Depress the spring clamps from the hoses indicated above and disconnect the hoses from the intake tube.



4. Remove the three 10mm bolts located on the air box and the blow off valve recirculating hose mount.



5. Loosen the hose clamp securing the intake tube at the air box.



6. Disconnect the intake tube from the air box and remove the air box assembly from the vehicle.



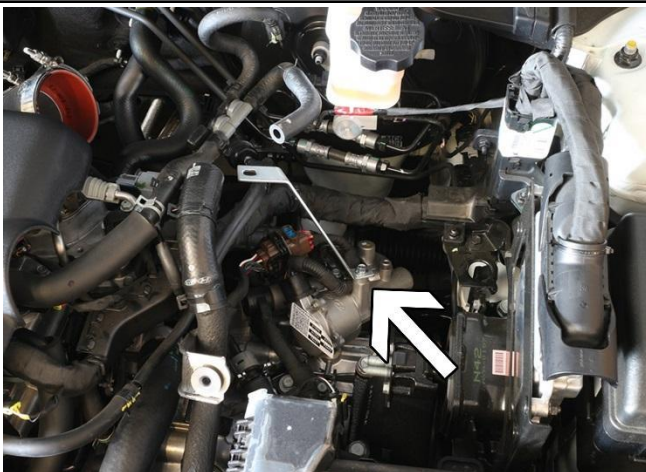
7. Loosen the hose clamp on the turbo inlet.



8. Remove the stock intake tube from the vehicle.



9. Install the reducer coupler with the provided t-bolt clamps onto the turbo inlet.



10. Install the 6mm spacer along with the bracket and the 6mm x 25mm bolt and washer. *Note* Do not tighten the bracket down until the intake is installed and positioned correctly.



11. Install the rubber grommet along with the 90 degree barb included in the accessory kit.



12. Insert the recirculating hose first then insert the HPS intake into the coupler. Adjust the intake to the proper position then secure the pipe onto the bracket.



13. Reinstall the hoses disconnected from step 3.



14. Follow the heat shield instruction to install the heat shield onto the air filter. Install the air filter with the heat shield onto the intake pipe.



15. Install the double sided tape onto the air induct located under the bottom of the air induct assembly.



16. Install the air duct back onto the vehicle. The double sided tape will adhere to the battery.

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 vehicle. 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.

