



# Performance Shortram Air Intake Kit

## Part Number: 827-664

**2012 – 2018 Jeep Wrangler JK 3.6L**  
(Does not fit 2018 Jeep Wrangler JL 3.6L)

## 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: 827-664

Description	Prep	Part Number	Qty	Check
3.25"-3.50" intake pipe		529-445	1	
Heat shield		531-446	1	
HPS Air Filter		HPS-4299	1	
Intake Bracket		530-162	1	
T- bolt clamp for 3.25" hose		SSTC-86-94	2	
3.25" silicone coupler, 2" Long		P3SC-325-L2	1	
6mm Bolt 12mm long		HW-B6-12	2	
6mm Flat Washer 16mm OD		HW-FW6L	3	
M6 Flange Nut		HW-N6	1	
5/8" EPDM hose, 9" Long		EPDM-062	1	
Hose clamp for 5/8" hose		EMSC-16-27	2	
Rubber Vibration Mount M6 3/4" Tall Male to Female		HW-RM6-75-MF	1	
M6 Grommet Mount		HSM-M6-1028	1	
Bubble edge trim x 51 inches		Bubble edge trim	1	
Bubble edge trim x 15 inches		Bubble edge trim	1	
P Clamp		8863T27	2	

- 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 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 shop install this kit.

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

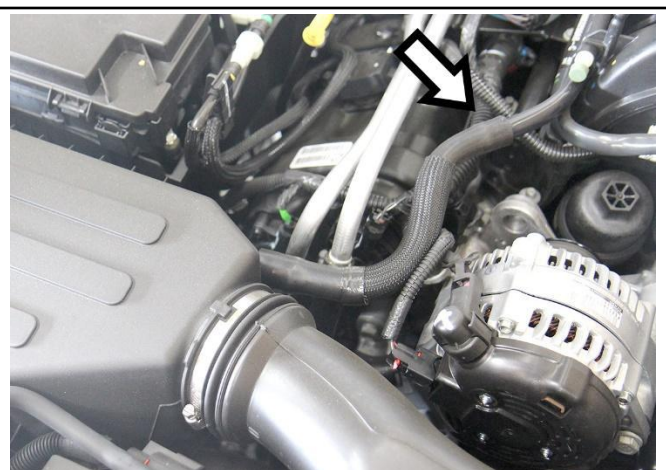
## **GETTING STARTED**

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.

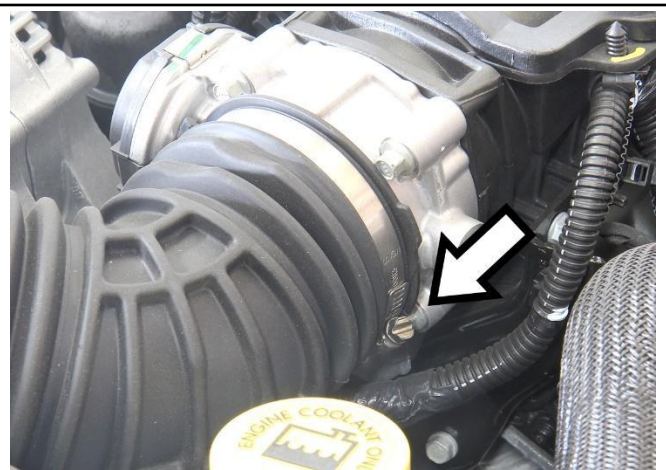
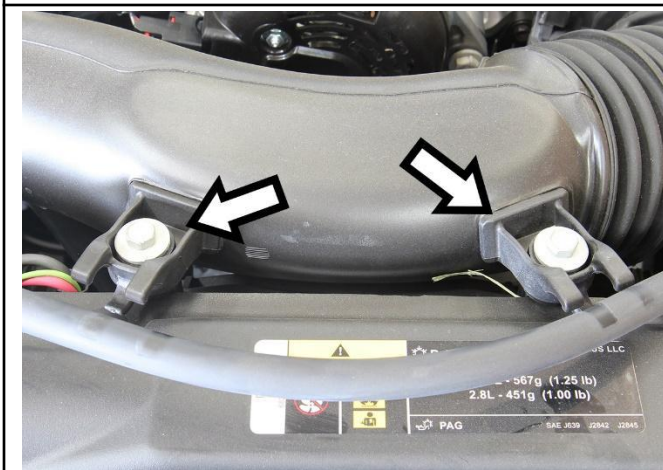
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



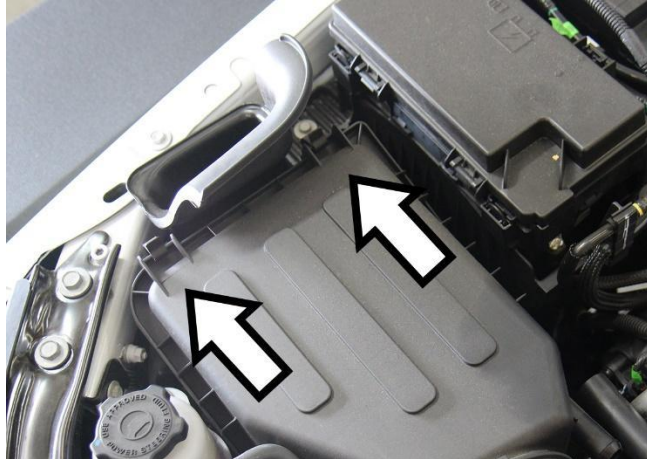
2. Remove engine cover by lifting from the front.



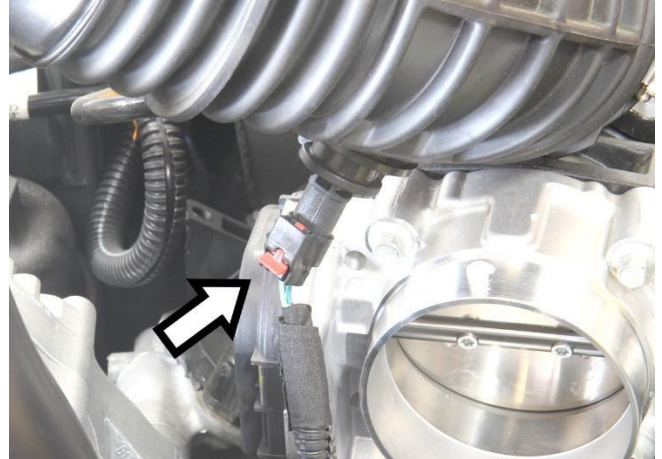
3. Disconnect the crankcase breather hose from the vent tube indicated.



4. Unclip the coolant overflow hose from the bracket attached to the stock intake tube. Use a 10mm socket to fully remove the two bolts indicated.



5. Loosen the hose clamp on the throttle body. Once loosened, carefully slide the stock intake hose off of the throttle body.



6. Unbuckle the two clips on the air box. Carefully lift up on the upper air box. Do not fully remove from vehicle at this moment.



7. Locate the intake air temperature sensor located on the bottom side of the stock intake hose. Pull back on the red security tab, then squeeze and pull gently to remove the harness from the sensor.



8. You may fully remove the stock intake assembly from the vehicle.



9. Carefully pull up on the lower air box to remove from the engine bay.

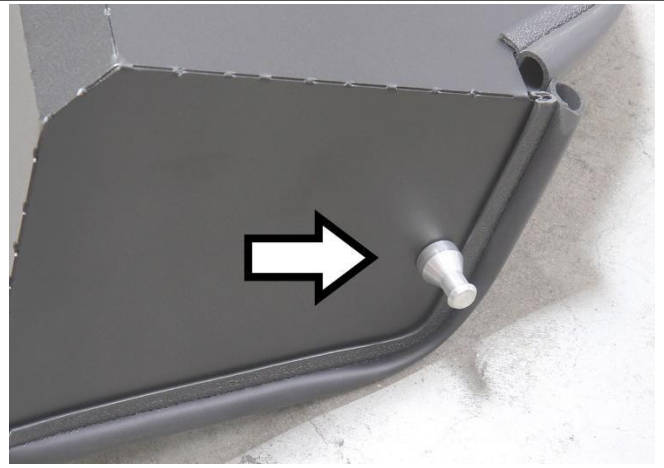


10. Install the HPS silicone coupler and T-bolt clamps onto the throttle body. Tighten the clamp onto the throttle body.

11. Install the longer length of edge trim onto the perimeter of the heat shield.



12. Install the shorter piece of edge trim onto the round opening of the heat shield.



13. Install the aluminum mount onto the bottom of the heat shield. Secure by inserting a M6 washer and bolt from the top.



14. Install the rubber vibration mount onto the hole on the side of the heat shield. Secure onto the heat shield using a M6 washer and bolt.



15. Install the heat shield. Press the aluminum mount on the bottom onto the factory mounting point. On top, Remove the factory bolt shown using a 10mm socket, then reinstalling it with the included bracket. Secure the opposite side of the bracket onto the rubber vibration mount using the included M6 washer and nut.



16. Transfer the intake air temperature sensor from the stock intake onto the HPS intake pipe. Reconnect the sensor harness.



17. Insert the intake pipe into the throttle body coupler. Position the pipe so that the opposite side inserts into the opening on the heat shield. Install the provided P-clamps to secure the coolant overflow hose using the factory bolts.



18. Install the HPS air filter. Secure using the provided hose clamp.



19. Attach the provided EPDM hose to the port on the HPS intake pipe. Attach the opposite side onto the crankcase breather pipe. Secure using the provided hose clamps.

### 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.