



## **Performance Shortram Air Intake Kit Part Number: 827-624**

**2011-2020 Dodge Charger 3.6L V6  
2011-2020 Dodge Challenger 3.6L V6  
2011-2020 Chrysler 300 3.6L V6**

## **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: 827-624

Description	Prep	Part Number	Qty	Check
Air Intake Pipe 1		529-384	1	
Air Intake Pipe 2		529-385	1	
HPS Air Filter		HPS-4303	1	
Heat shield		531-386	1	
Intake Bracket		530-433	1	
Heatshield Bracket		530-387	1	
3.12"- 3.50" Reducer Coupler x 3" Long		P3SR-312-350-L3	1	
3.50" Hump Coupler x 3" Long		P3SHC-350-L3	2	
T-bolt clamps for 3.50"		SSTC-95-103	5	
T-bolt clamp for 3"		SSTC-83-91	1	
Clamp for 16mm breather hose		EMSC-16-27	1	
5/8 (16mm) EPDM hose x 10" Long		EPDM-062	1	
Velocity stack		HW-VS-350-600	1	
6mm Bolt 12mm Long		HW-B6-12	4	
6mm Bolt 16mm Long		HW-B6-20	1	
6mm Flat Washer 16mm OD		HW-FW6L	6	
6mm Flange Nut		HW-N6	2	
Rubber Vibration Mount M6 1" Tall Male to Female		HW-RM6-100-MF	1	
Edge trim with bulb, 24" Long		BUBBLE TRIM	1	
Thin edge Trim, 21" Long		THIN 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!**

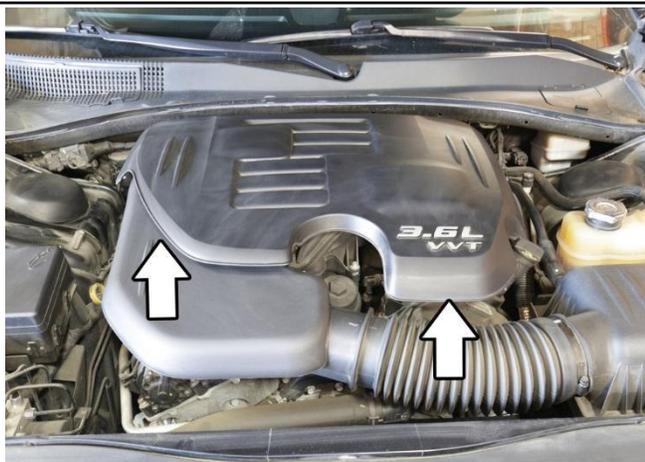
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

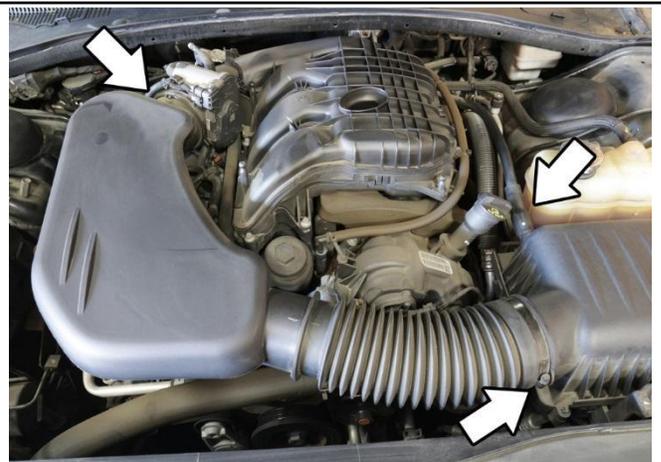
## **GETTING STARTED**

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.

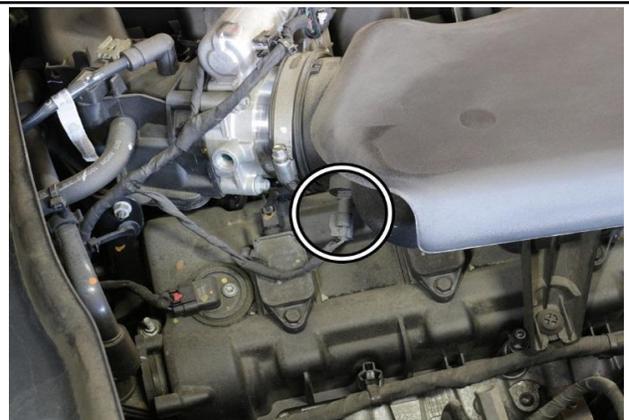
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



3. Loosen the hose clamps at the throttle body and the air cleaner box. Disconnect the breather hose from the air cleaner box.



4. Lift up on the rubber grommet to release the intake tube from the engine.



6. Remove the bolt indicated in the image.

5. Twist counter-clockwise to remove the intake temperature sensor from the intake tube. Remove the intake tube from the engine bay.



7. Remove the factory air cleaner assembly from the engine bay.



8. Install the reducer coupler with their corresponding T-bolt clamps onto the throttle body.



9. Remove the ball stud where the factory rubber grommet was installed from the engine.



10. Install the male-to-female rubber vibration mount in place of the ball stud.



11. Install the intake pipe onto the throttle body. Twist on the intake temperature sensor onto the fitting on the intake pipe.



12. Secure the intake bracket onto the rubber vibration mount with a nut and washer, then secure the bracket and pipe together.



13. Install the hump coupler with its corresponding T-bolt clamps at the end of the intake pipe. Only insert the hose approximately 1 inch deep.



14. Install the thin rubber edge trim at the bottom, then install the bulbed edge trim at the top as shown.



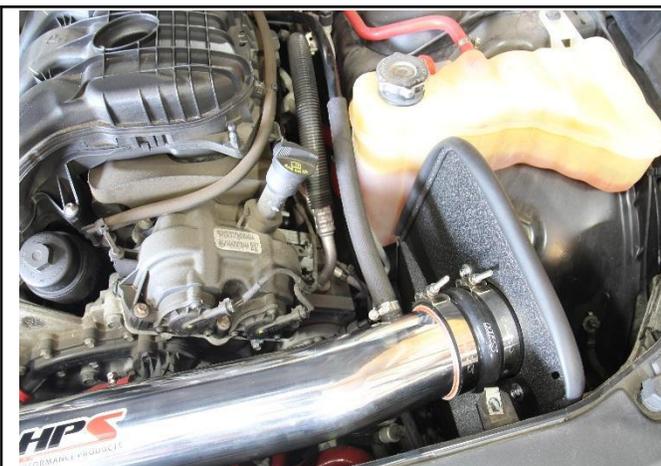
15. Install the velocity stack onto the heat shield as shown with 2 bolts and washers.



16. Install the last hump coupler onto the velocity stack with its corresponding T-bolt clamp.



17. Insert the second intake pipe into the coupler on the heat shield, then into the coupler on the first pipe. Carefully guide the part into the engine bay to allow the heat shield to rest on the frame rail.



18. Remove the factory breather hose from the breather tube. Install the supplied rubber hose onto the factory breather tube. Install the opposite end onto the intake pipe with the clamp provided.



19. Install the heat shield bracket onto the factory air cleaner mount with the hardware provided.



20. Install and secure the air filter onto the velocity stack.



21. Re-install the engine cover.

## Final Steps

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

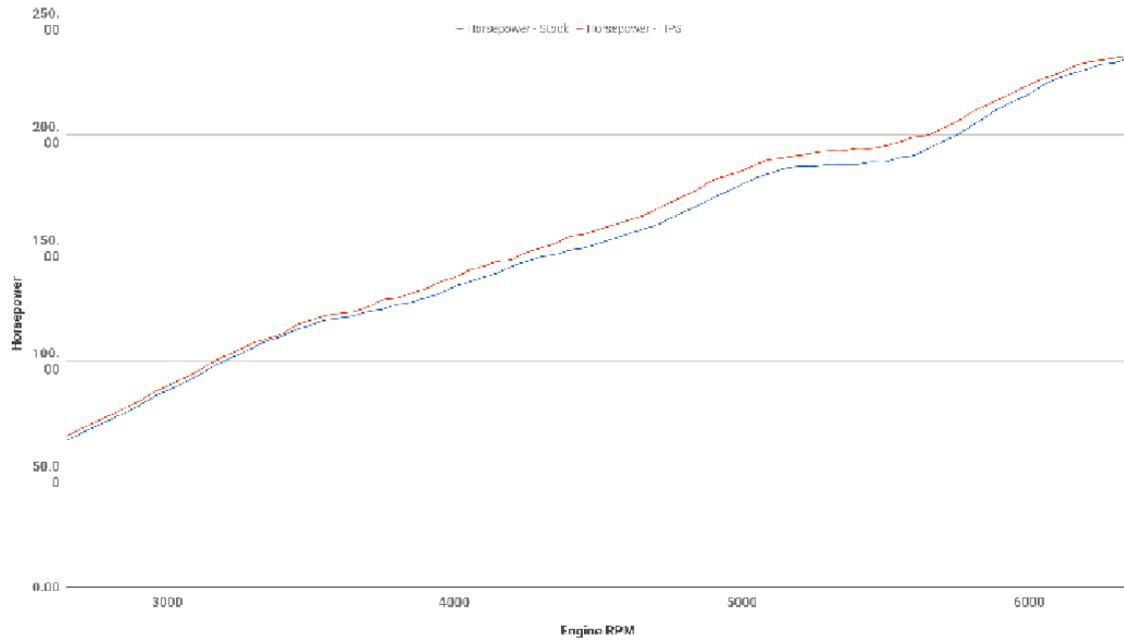
Upon completion of the installation, reconnect the negative battery terminal before you start the engine. Double check to make sure everything is tight and properly positioned before starting the vehicle.

Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving the 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.

HPS Performance Shortram Air Intake for 2011-2017 Dodge Charger 3.6L V6  
Part Number: 27-624

Maximum Horsepower Gains = 8 whp @ 4900 rpm



HPS Performance Shortram Air Intake for 2011-2017 Dodge Charger 3.6L V6  
Part Number: 27-624

Maximum Torque Gains = 9 ft/lb @ 4700 rpm

