



Performance Air Intake Kit

Part Number: 827-624

2011-2023 Dodge Charger 3.6L V6
2011-2023 Dodge Challenger 3.6L V6
2011-2023 Chrysler 300 3.6L V6

Installation Instructions

For technical inquiries please email us at tech@hpsperformance.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

Line #	Description	Part Number	Qty
1	Air Intake Pipe 1	529-384	1
2	Air Intake Pipe 2	529-385	1
3	HPS Air Filter	HPS-4303	1
4	Heat shield	531-386	1
5	Intake Bracket	530-433	1
6	Heatshield Bracket	530-387	1
7	3.12"- 3.50" Reducer Coupler x 3" Long	P3SR-312-350-L3	1
8	3.50" Hump Coupler x 3" Long	P3SHC-350-L3	2
9	T-bolt clamps for 3.50"	SSTC-95-103	5
10	T-bolt clamp for 3"	SSTC-83-91	1
11	Clamp for 16mm breather hose	EMSC-16-27	1
12	5/8 (16mm) EPDM hose	EPDM-062	10 inches
13	Edge trim with bulb	7750B2X1/16C	24 inches
14	Thin edge Trim	75B7X1/16	21 inches
15	Velocity stack	HW-VS-350-600	1
16	6mm Bolt 12mm Long	HW-B6-12	4
17	6mm Bolt 16mm Long	HW-B6-20	1
18	6mm Flange Nut	HW-N6	2
19	6mm Flat Washer 16mm OD	HW-FW6L	6
20	Rubber Vibration Mount M6 1" Tall Male to Female	HW-RM6-100-MF	1

- Before installing any parts of this intake kit, 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 kit while the engine is hot.
- This installation may require the removal of coolant lines that may be hot.
- For technical inquiries, please email us at tech@hpsperformance.com

PLEASE READ CAREFULLY BEFORE INSTALLATION!

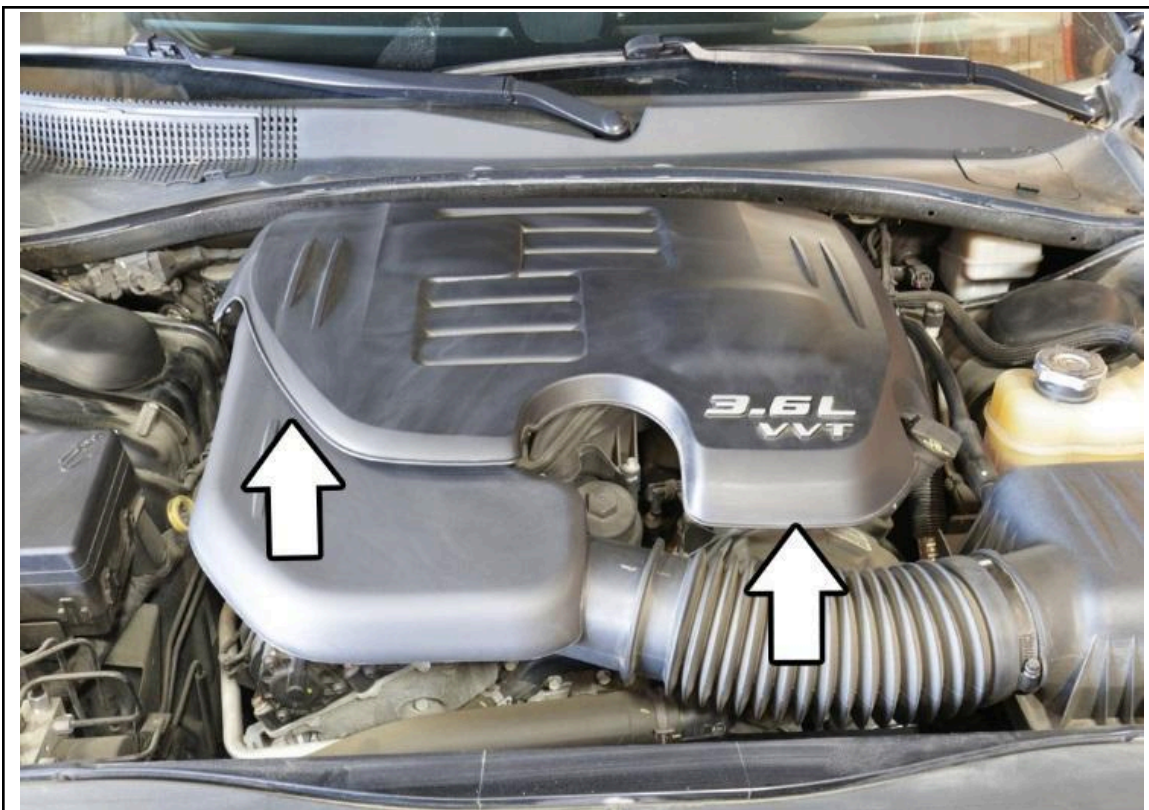
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

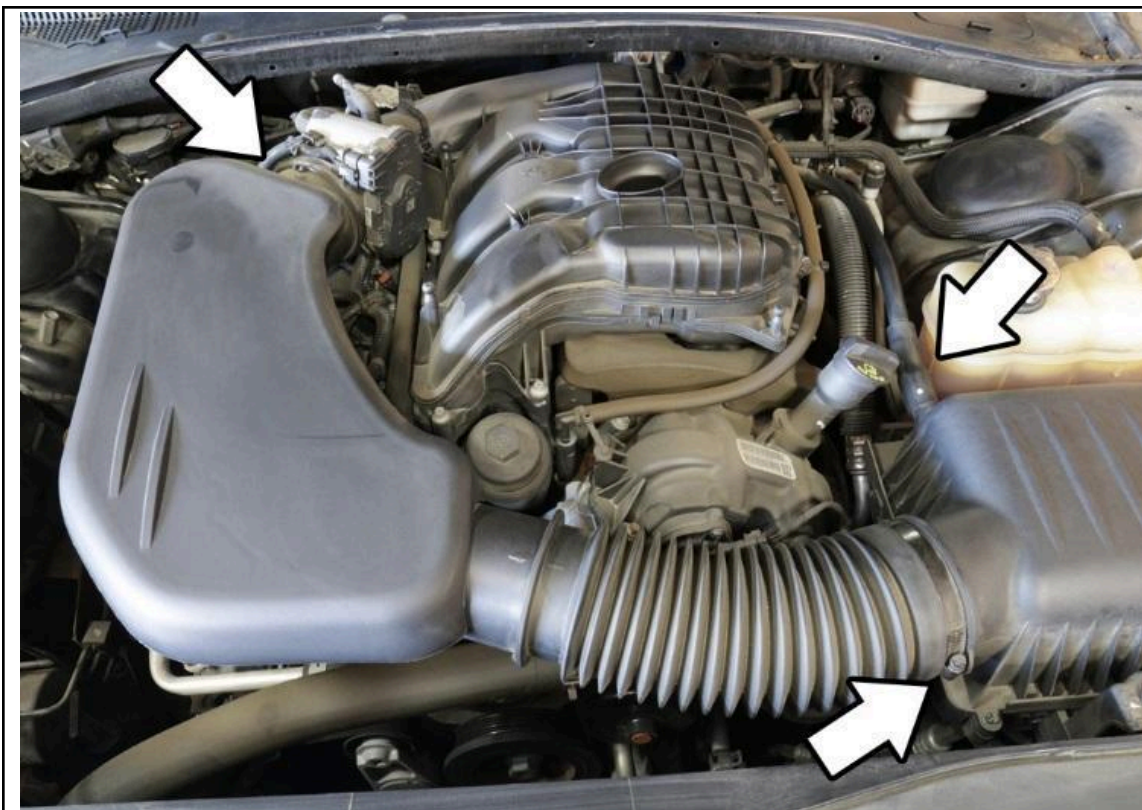
GETTING STARTED

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.



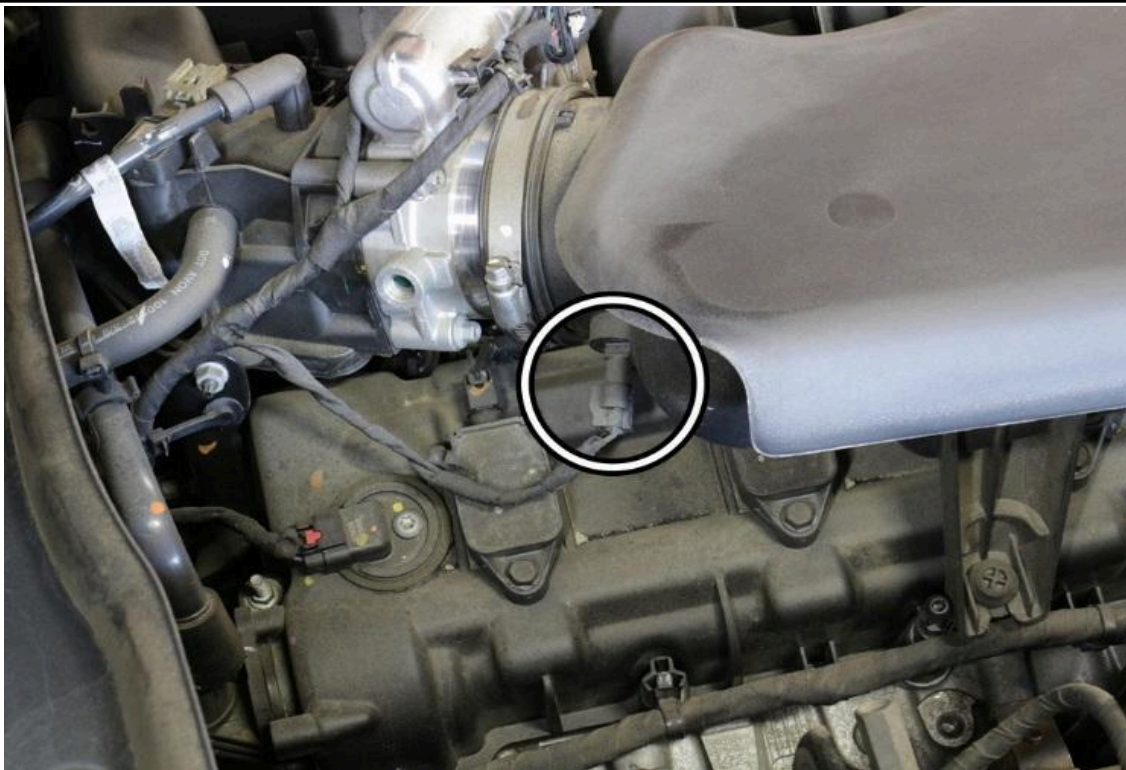
2. Lift up on the engine cover and remove it from the engine bay.



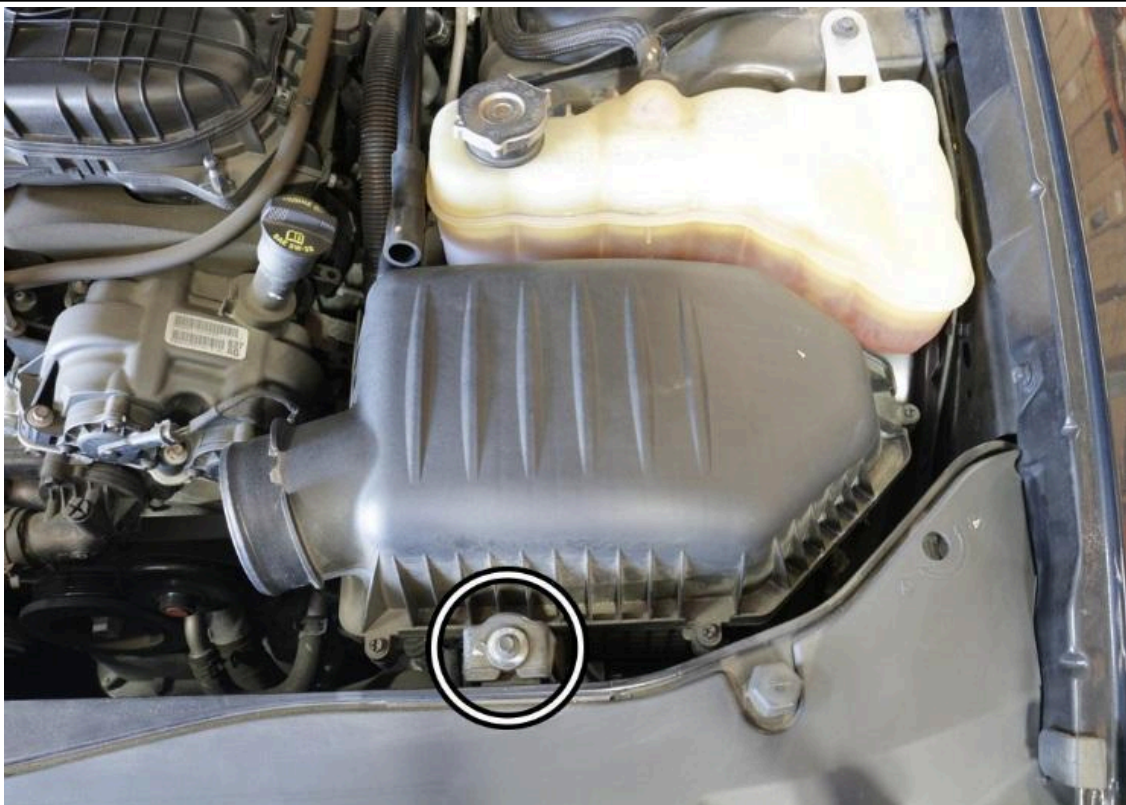
3. Loosen the hose clamps at the throttle body and the air cleaner box. Disconnect the breather hose from the air cleaner box.



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



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



6. Remove the bolt indicated in the image.



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. 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.

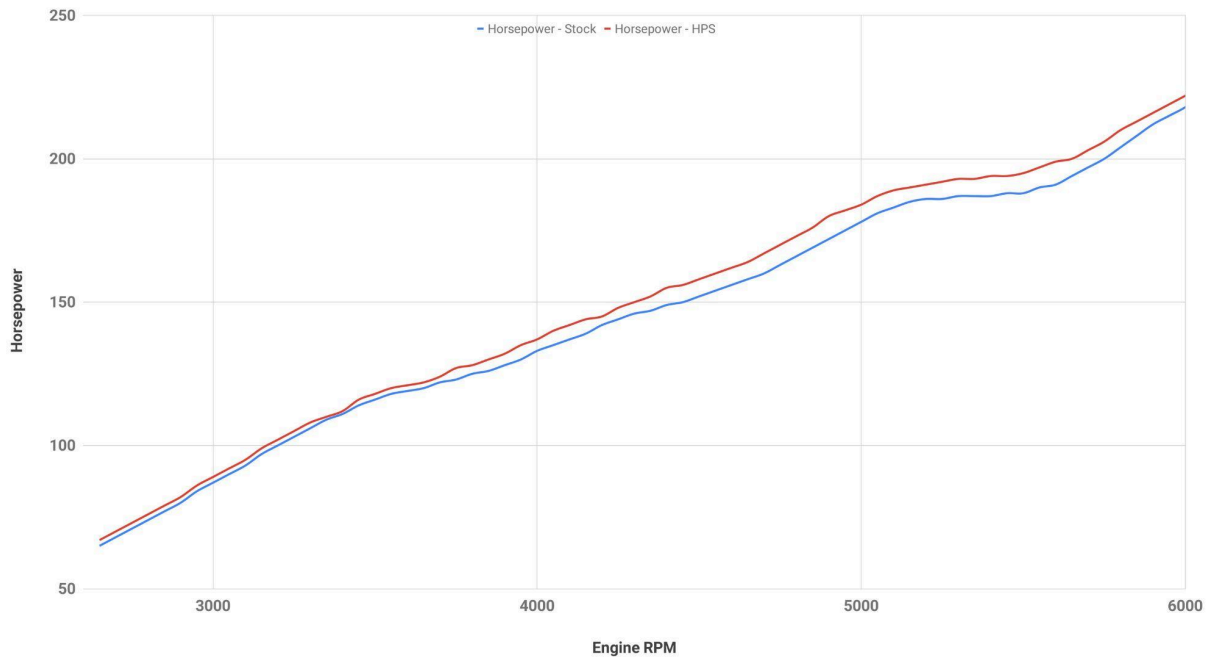
Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles and correct the problem.

Periodically, recheck the alignment of the intake kit 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.



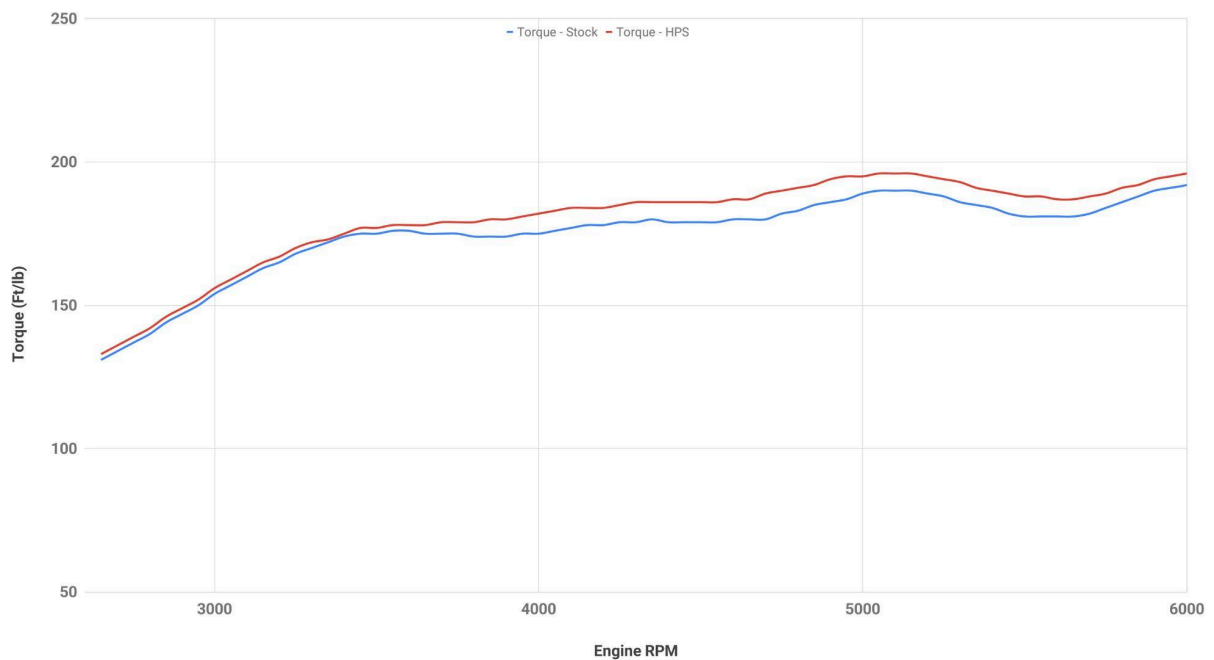
HPS Performance Air Intake Kit with Heat Shield (827 Series)
2011-2023 Dodge Charger / Challenger 3.6L V6
2011-2023 Chrysler 300 3.6L V6
Part Number: 827-624

Maximum Horsepower Gains = 8 whp @ 4900 rpm



HPS Performance Air Intake Kit with Heat Shield (827 Series)
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Maximum Torque Gains = 9 ft/lb @ 4700 rpm



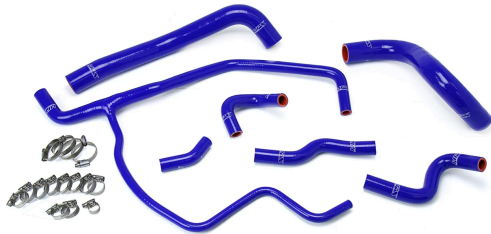
Also available for
2011-2023 Dodge Charger 3.6L V6
2011-2023 Dodge Challenger 3.6L V6
2011-2023 Chrysler 300 3.6L V6



HPS Performance Replacement Air Filter
For Intake Kit 827-624
Part Number [HPS-4303](#)



HPS Magnetic Oil Drain Plug
Part Number [MDP-M14x150](#)



HPS Performance Silicone Coolant Hose Kit
Part Number [57-1583](#)



HPS Performance Air Filter Cleaning Kit
Part Number [HPS-AFRC](#)

**Contact an authorized HPS Performance dealer or
visit us at hpsperformance.com for more details**



Torque Specifications

Item	Recommended Torque
Constant Tension Clamp	33 in-lb
Embossed Clamp	27 in-lb
Fuel Injection Clamp	15 in-lb
Spring Loaded T-Bolt Clamp	33 in-lb
Stainless Steel T-Bolt Clamp	33 in-lb
V-Band Clamp	60 in-lb
M4 Bolt	24 in-lb
M5 Bolt	55 in-lb
M6 Bolt	84 in-lb
M8 Bolt	184 in-lb

Please follow the recommended torque specifications.
Exceeding the specified torque may result in damage
and failure of the part.