



Performance Cold Air Intake Kit Part Number: 827-567

**2005-2012 Nissan Pathfinder 4.0L V6
2005-2019 Nissan Frontier 4.0L V6
2005-2015 Nissan Xterra 4.0L V6**

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

Part Number: 827-567

Description	Prep	Part Number	Qty	Check
HPS Short Ram Intake Pipe	1	529-271	1	
HPS Air Filter	2	HPS-4303	1	
Heat Shield	2	531-273	1	
T-Bolt Clamp for 3 1/8" Hose	3	SSTC-86-94	1	
T-Bolt Clamp for 3.5" Hose	3	SSTC-95-103	1	
Clamp for 3.5" Hose	3	EMSC-80-100	2	
3.5" Coupler x 2" Long	3	P3SC-350-L2	1	
3 1/8" to 3.5" Reducer Coupler x 3" Long	3	P3SR-312-350-L3	1	
5/8" EPDM Hose, 16" Long	3	EPDM-062	1	
Velocity Stack 3.5" to 6" Inlet	3	HW-VS-350-600	1	
MAF Sleeve for 3.5" Pipe	3	HW-VEN-350-325	1	
Intake Bracket	3	530-272	2	
Rubber Vibration Mount 6mm x 1/2" Tall	3	HW-RM6-50	1	
6mm Bolt x 12mm Long	3	HW-B6-12	6	
6mm Flange Nut	3	HW-N6	5	
6mm Flat Washer 16mm OD	3	HW-FW6L	7	
4mm Allen Head Bolts x 8mm Long	3	HW-B4-8	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 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 THE 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 mechanically inclined, please have a tuner shop install this kit.

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

GETTING STARTED

Tools Needed:

- 10mm socket and ratchet
- 10mm wrench
- Needle-nosed pliers
- Flat head screwdriver
- Philips screwdriver

1. Turn the ignition OFF and disconnect the vehicle's negative battery cable. If engine has run within the past two hours, let it cool down.

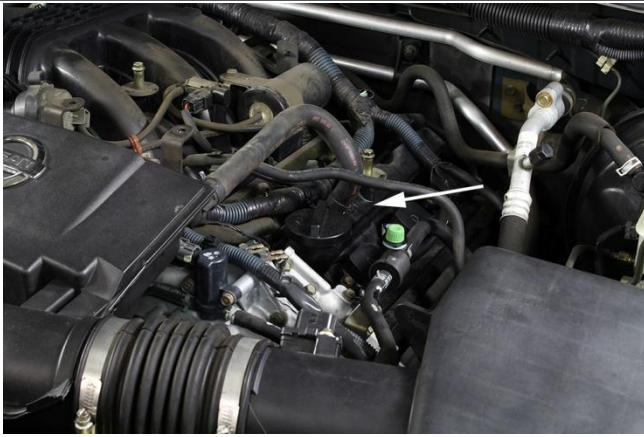
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is re-connected. The anti-theft code is typically supplied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



3. Unplug the connector on the MAF sensor, then unclip the harness from the air box.



4. Disconnect the breather hose from the valve cover.



5. Remove the two bolts securing the crankcase ventilation box.



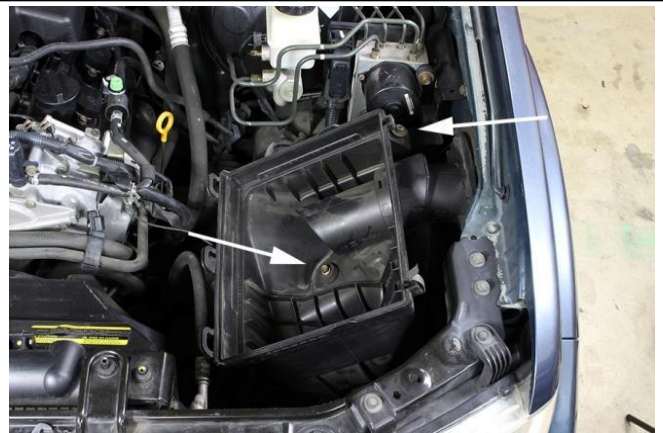
6. Use a flat head screwdriver to loosen the clamp securing the intake pipe to the throttle body.



7. Unbuckle the upper air box cover, and remove the intake assembly as one piece.



8. Remove the panel filter from the air box.



9. Remove the two bolts securing the lower air box assembly using a 10mm socket, and remove it from the engine bay.



10. Unbolt the grounding wire from the frame with a 10mm socket.



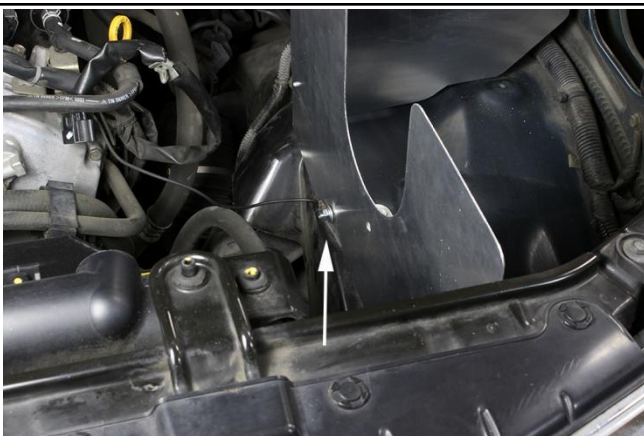
11. Begin installing the heat shield. Use the provided M6 bolt along with a nut and washer to secure the heat shield to the radiator support.



12. Use another M6 bolt and washer to secure the base of the heat shield at the original grounding point in Step 10.



13. Install the heat shield bracket onto the stock air box mount located near the ABS unit using a M6 bolt and washer. Secure the other end using a M6 bolt, washer, and nut.



14. Install the grounding wire onto the heat shield using a M6 bolt, washer, and nut.



15. Install the intake mounting bracket onto the heat shield at the semi-circle opening using a M6 bolt, washer, and nut.



16. Install the reducing coupler onto the throttle body along with the two T-bolt clamps. Only tighten the throttle body clamp for now.



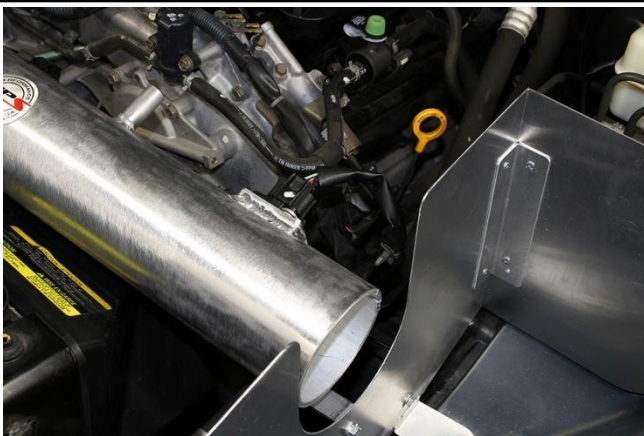
17. Slide the reducing sleeve into the intake pipe. Line up the slot with the MAF sensor. Remove the MAF sensor from the factory air box and install it onto the HPS intake pipe with the M4 bolts included. Install the rubber vibration mount onto the intake pipe as shown.



18. Install the HPS intake pipe onto the reducing coupler at the throttle body. Do not tighten the clamp at the moment as the pipe may need to be re-positioned.



19. Mount the HPS intake pipe onto the bracket and secure with a washer and M6 nut.



20. Reconnect the electrical harness to the MAF sensor.



21. Install the provided EPDM hose onto the intake pipe and attach the other end onto the breather port on the driver side valve cover.



22. Install the coupler onto the velocity stack along with the two provided worm gear clamps. Then insert the velocity stack into the air filter and tighten the clamp on the air filter.



23. Install the air filter onto the HPS intake pipe and tighten the 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, and let the car idle for about 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles, 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.

NOTE: If you have any concerns, return the vehicle to stock using the factory equipment.

