



## **Performance Shortram Air Intake Kit Part Number: 827-680**

**2015-2018 Nissan Murano 3.5L V6  
2013-2016 Nissan Pathfinder 3.5L 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: 827-680

Description	Prep	Part Number	Qty	Check
3" Intake Pipe	1	529-285	1	
HPS Air Filter	2	HPS-4276	1	
Heatshield	3	HS-404	1	
Intake Bracket	4	530-585	1	
Clamp for Heat shield	4	EMSC-80-100	1	
3" - 3.12" Reducer Coupler x 2" Length	4	P3SR-300-312-L2	1	
T-Bolt Clamp, 79mm-87mm	4	SSTC-79-87	1	
T-Bolt Clamp, 86mm-94mm	4	SSTC-86-94	1	
Worm Gear Clamp for 5/8" EPDM hose	4	EMSC-16-27	<b>2</b>	
6mm Flange Nut	4	HW-N6	1	
6mm Flat Washer 16mm OD	4	HW-FW6L	<b>2</b>	
Rubber Vibration Mount 6mm 1" Tall	4	HW-RM6-100	1	
5/8" EPDM hose, 22" long	4	EPDM-062	1	
8" Zip Tie	4	8 IN ZIPTIE	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.

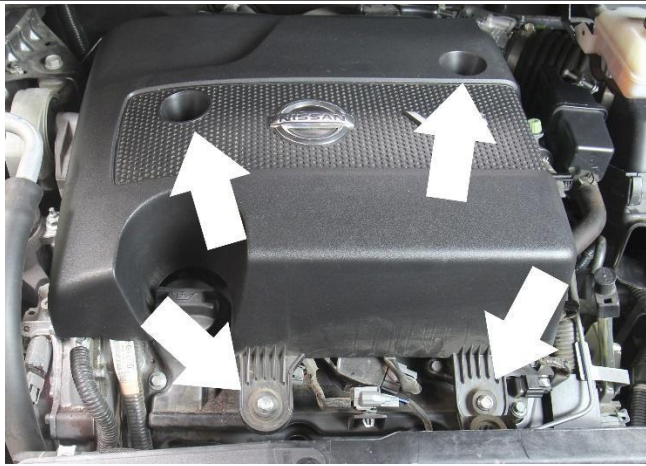
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicles' anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicle's anti-theft code. We also highly recommend NOT discarding any stock parts after the installation.



2. Use a 10mm socket to remove the screws securing the air intake duct.



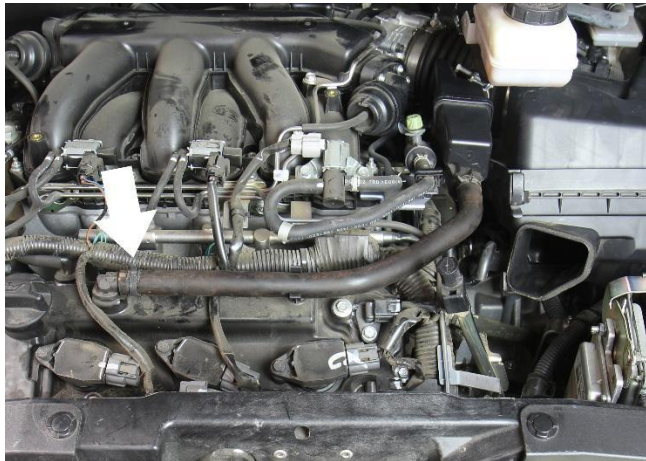
3. Carefully remove the air intake duct from the vehicle.



4. Remove the engine cover by loosening the 4 bolts indicated above.



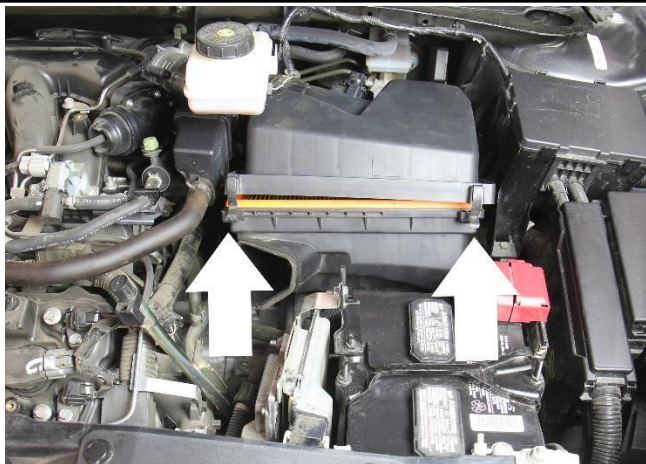
5. Disconnect the MAF sensor connector. Locate and unclip the cable tie at the back of the air box.



6. Using a pair of pliers, squeeze and loosen the clamp on the breather port on the engine, then disconnect the hose from the engine.



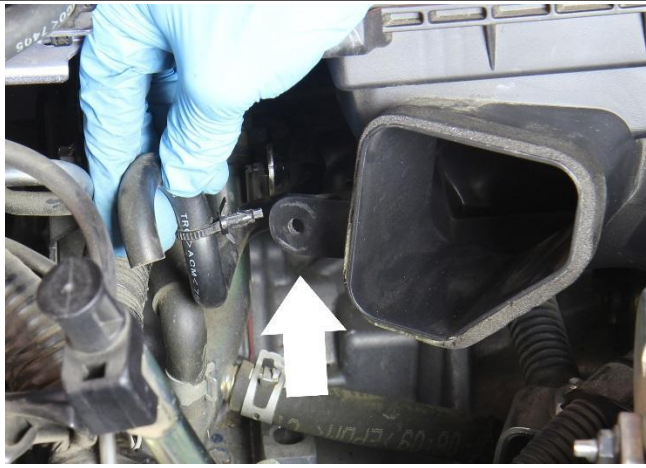
7. Loosen the hose clamp on the throttle body using a flat head screw driver. Once loose, the stock intake hose can be disconnected.



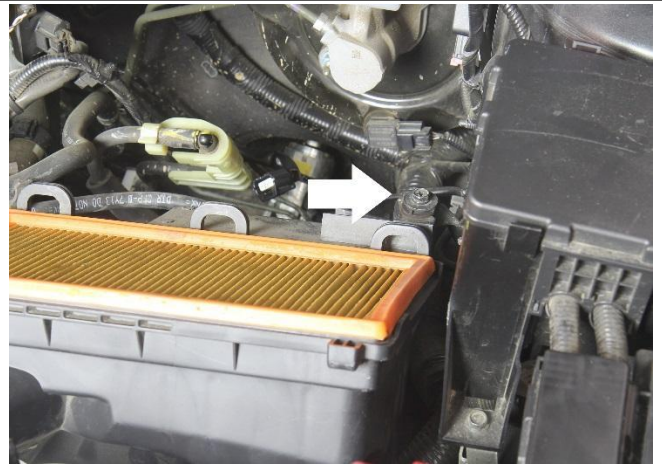
8. Unbuckle the upper air box.



9. Remove the upper air box from the engine bay.



10. Locate the vent tube on the left side of the lower air box and unclip it.



11. Loosen and remove the 10mm head bolt on the back of the lower air box.



12. Remove the lower air box from the engine bay.



13. Connect the silicone reducing coupler onto the intake pipe as shown. Be sure to not let the pipe go past the step on the inside of the coupler. Secure the T-bolt clamp when the coupler is in the desired position.



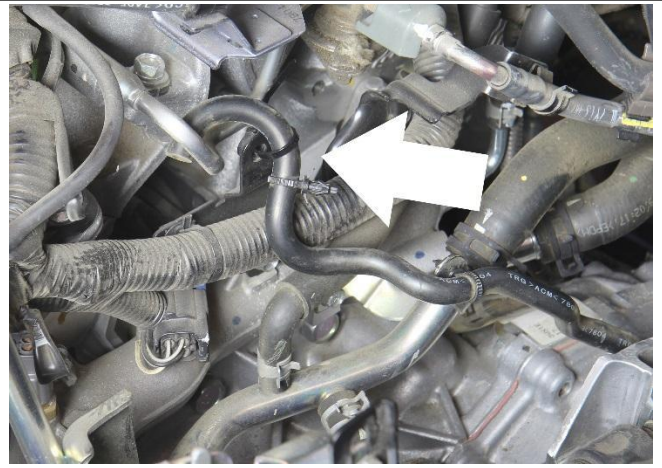
14. Use a Phillips screwdriver to remove the MAF sensor from the stock upper air box.



15. Transfer the MAF sensor onto the HPS intake pipe and secure it using the stock screws.



16. Thread the rubber vibration mount onto the threaded bung on the HPS intake pipe.



17. Secure the transmission vent tube onto a mounting hole on the engine using the zip tie provided.



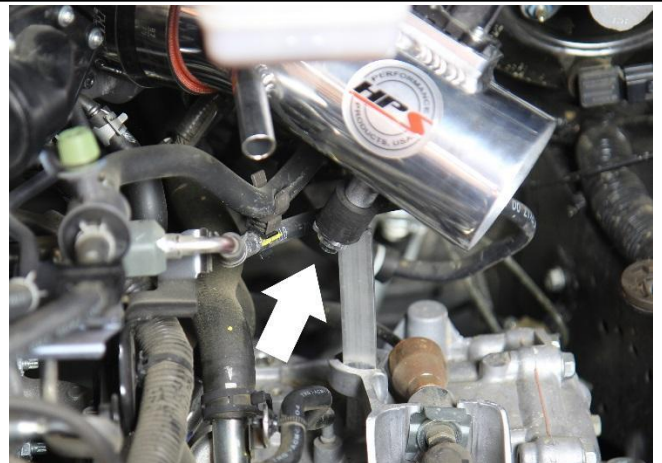
18. Loosen and remove the rear shifter bracket bolt on the transmission. Do not discard the bolt as it will be used again later.



19. Insert the HPS intake pipe onto the throttle body. Lightly secure the T-bolt clamp onto the throttle body.



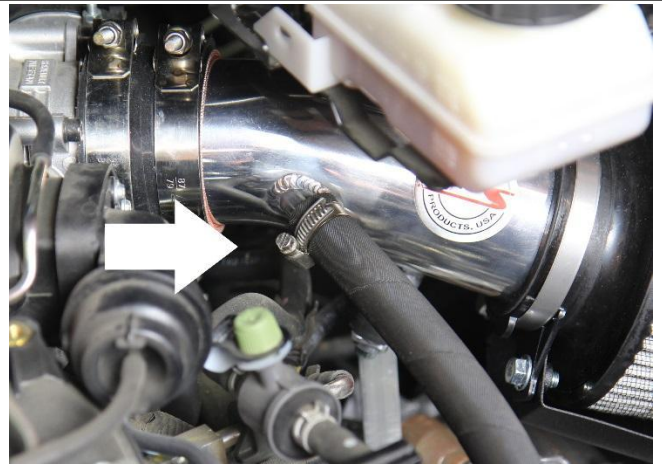
20. Install the intake bracket onto the rear shifter bracket hole reusing the original bolt.



21. Line the bracket up to the rubber vibration mount on the intake pipe. Once positioned, secure the bracket to the vibration mount using a M6 washer and nut.



22. Assemble the heat shield onto the HPS air filter and install it onto the end of the intake pipe. Reconnect the MAF sensor harness.



23. Insert the provided EPDM hose and embossed clamp onto the breather port on the intake pipe.



24. Attach the other end of the EPDM hose onto the engine breather port and secure it using the provided embossed clamp.



25. Reinstall the engine cover.



26. Reinstall the air intake duct.

## **Final Steps**

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

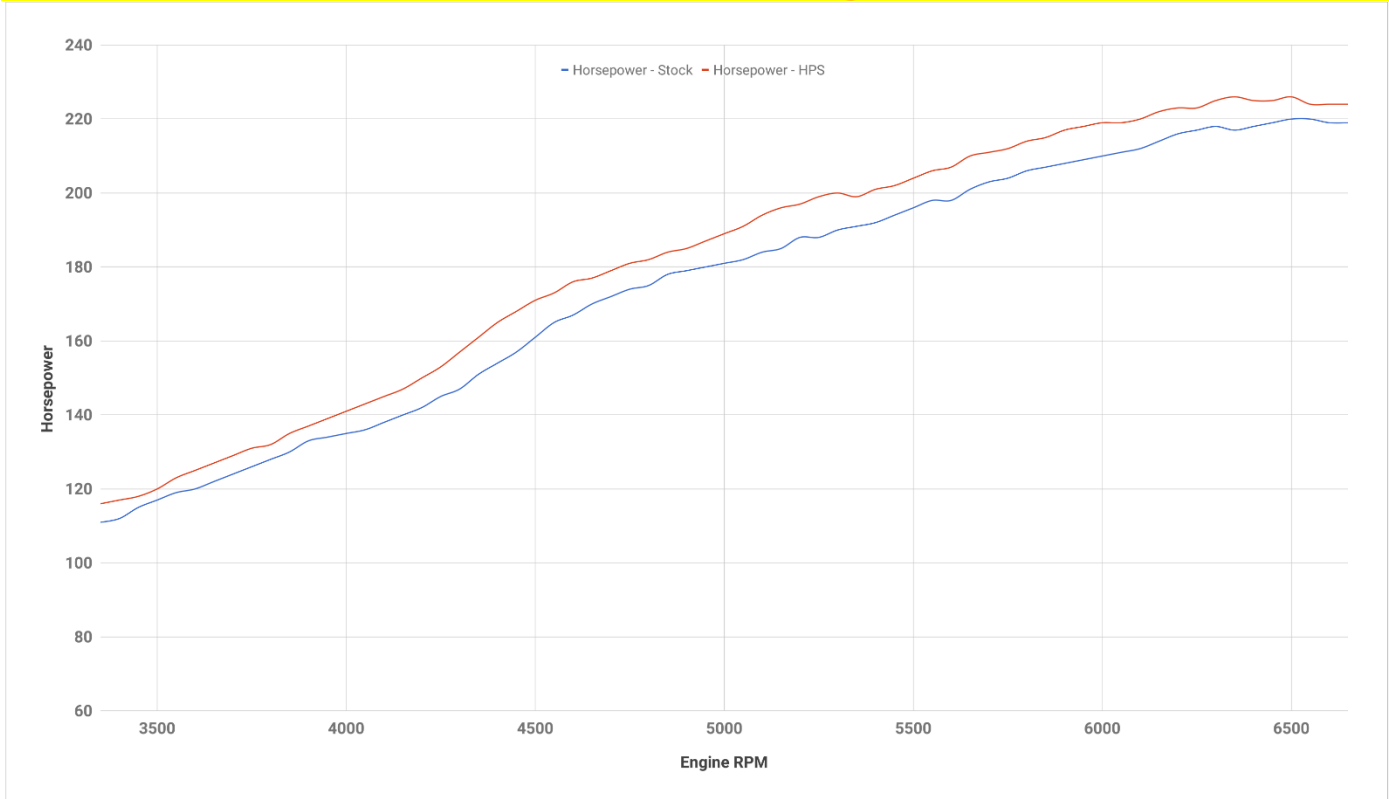
Upon completion of the installation, reconnect the negative battery terminal before you start the engine. Double check to make sure everything is tight and properly positioned before starting the vehicle.

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.

HPS Performance Air Intake Kit with Heat Shield  
2015-2018 Nissan Murano 3.5L V6  
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Part Number: 827-680

Maximum Horsepower Gains = 11 whp @ 4400 rpm



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Maximum Torque Gains = 13 ft/lb @ 4350 rpm

