



## **Performance Shortram Intake Kit Part Number: 827-558**

**2004-2008 Nissan Maxima 3.5L V6  
2004-2006 Nissan Altima 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: 827-558

Description	Prep	Part Number	Qty	Check
Intake Pipe	1	529-253	1	
3" HPS air filter	2	HPS-4276	1	
Short Ram Bracket	3	530-255	1	
3.00" - 3.12" reducer, 3ply, 3" long	3	P3SR-300-312-L3	1	
T-bolt clamp for Intake Pipe	3	SSTC-79-87	1	
T-bolt clamps for Throttle Body	3	SSTC-86-94	1	
4mm Allen Bolts 8mm long	3	HW-B4-8	2	
6mm Flange Nut	3	HW-N6	1	
6mm Flat Washer 16mm OD	3	HW-FW6L	1	
Rubber Vibration Mount 6mm 1/2" Tall	3	HW-RM6-50	1	
5/8" EPDM hose, 20" long	3	EPDM-062	1	
Heatshield	3	HS-404	1	
Clamp for Heatshield	3	EMSC-80-100	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!**

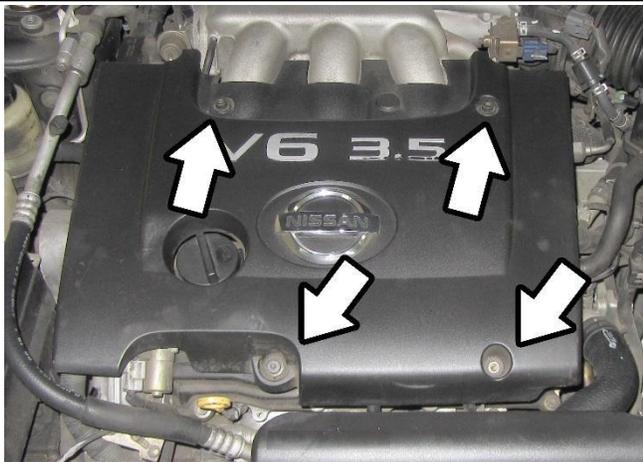
This installation is not for the novice customer. Install this system with EXTREME caution! Misuse of this product can destroy your engine! If you are not well versed in the installation of intakes and if you are not mechanically inclined, please have a tuner shop install this kit.

***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. Unbolt the 4 bolts to remove the engine cover.



3. Unplug the MAF sensor.



4. Loosen the hose clamps on the stock intake tube.



5. Loosen the breather hose from the valve cover. Once disconnected, you may remove the intake tube from the vehicle.



6. Remove the bolt securing the air box to the vehicle.



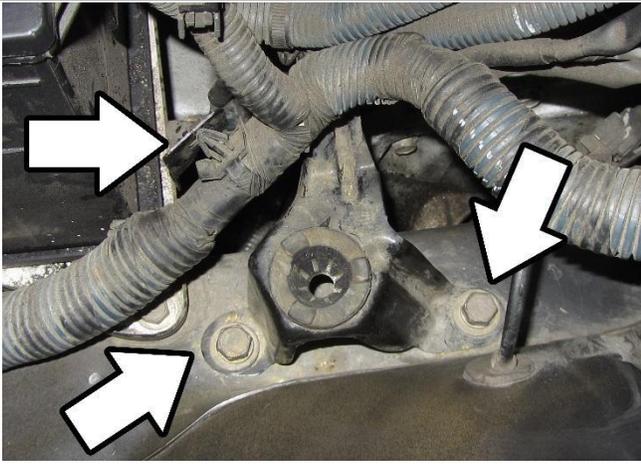
7. Remove the air box from the engine bay.



8. Install and secure the silicone coupler onto the throttle body using a t-bolt clamp.



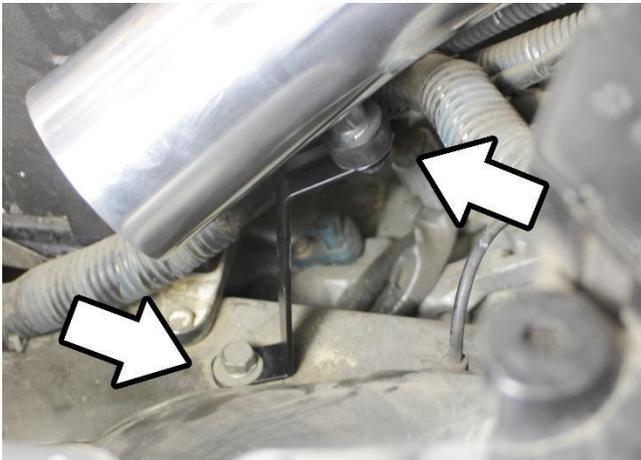
9. Remove the MAF sensor from the air box and install it onto the HPS intake pipe using the M4 bolts supplied.



10. Unclip the wiring harness, then unbolt the air box bracket from the engine bay.



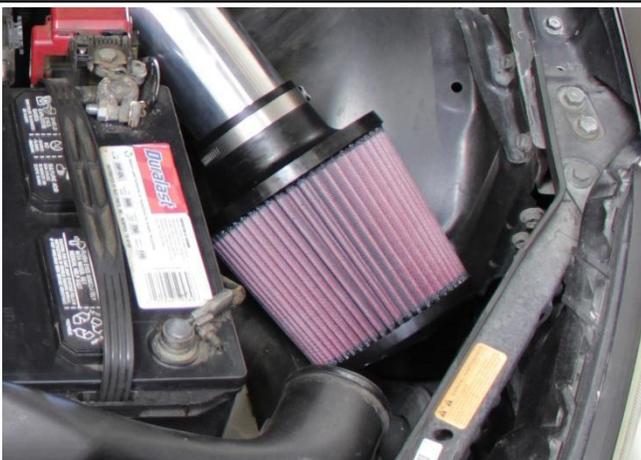
11. Insert the HPS intake pipe into the throttle body coupler.



12. Install the intake bracket reusing the original bolt. Install the rubber mount onto the intake pipe and secure it to the bracket using a washer and m6 nut.



13. Install the breather hose supplied in the hardware pack as shown. Trim to length if necessary.



14. Install the air filter onto the intake pipe and secure the hose clamp.

## 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 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.

