



Performance Shortram Air Intake Kit Part Number: 827-572

2007-2012 Nissan Altima 3.5L 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: 827-572

Description	Prep	Part Number	Qty	Check
HPS Short Ram Intake Pipe	1	529-285	1	
HPS Air Filter	2	HPS-4276	1	
Heat Shield	2	HS-404	1	
Worm Gear Clamp for Heat Shield	3	EMSC-80-100	1	
T-Bolt Clamp for 3" Hose	3	SSTC-79-87	1	
T-Bolt Clamp for 3 1/8" Hose	3	SSTC-86-94	1	
Worm Gear Clamp for 5/8" Hose	3	EMSC-16-27	2	
3" to 3 1/8" Silicone Reducer	3	P3SR-300-312-L2	1	
5/8" EPDM Hose, 22" long	3	EPDM-062	1	
6mm Flange Nut	3	HW-N6	1	
6mm Flat Washer 16mm OD	3	HW-FW6L	2	
4mm Allen Bolts 8mm long	3	HW-B4-8	2	
6mm Rubber Vibration Mount, 1/2" Tall	3	HW-RM6-50	1	
Intake Bracket	3	530-286	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 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 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

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.

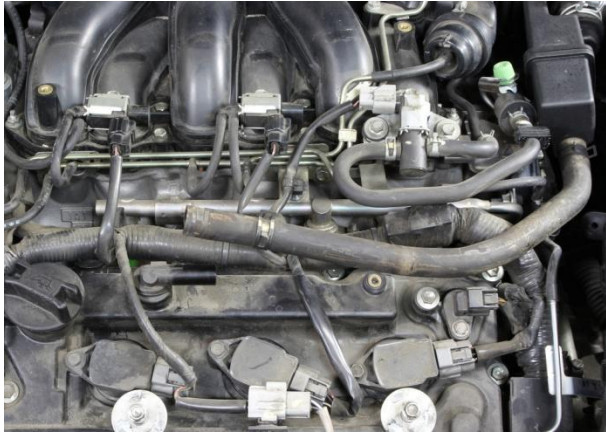
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is re-connected. The anti-theft code is typically supplied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



4. Disconnect the MAF sensor harness from the MAF sensor.



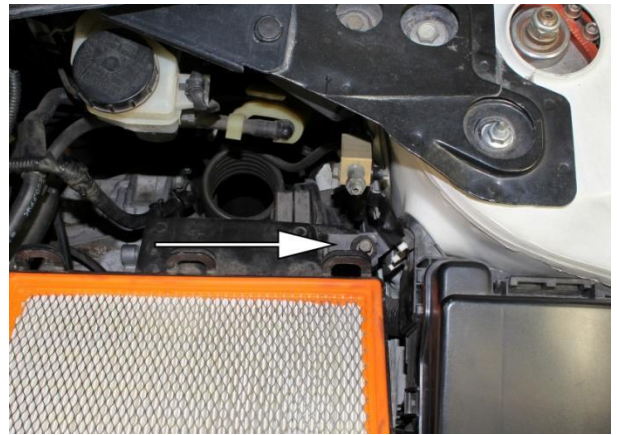
5. Use a pair of pliers to pinch and move the clamp back to remove the breather hose from the valve cover.



6. Loosen the clamp securing the intake pipe to the throttle body.



7. Unbuckle the 2 clips securing the upper air box cover, then pull the intake pipe off of the throttle body to remove the upper assembly.



8. Remove the bolt securing the lower air box assembly and pull up on the air box to remove it from the rubber grommet.



9. Press the silicone coupler onto the throttle body, along with the two T-bolt clamps. Only tighten the clamp on the throttle body for now.



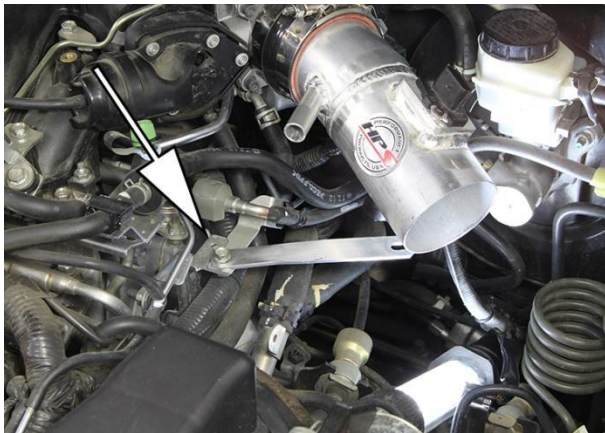
10. Remove the MAF sensor from the stock air box, and install it onto the HPS intake pipe using the two 4mm Allen Head bolts provided.



11. Install the rubber vibration mount onto the HPS intake pipe.



12. Press the HPS intake pipe into the coupler, but do not tighten the clamp yet, as the pipe may need to be repositioned.



13. Remove the bolt on the harness bracket, and replace it along with the intake bracket and a washer included in the hardware packet.



14. Install the bracket onto the rubber vibration mount using a washer and nut from the hardware packet.



15. Install the EDPM hose along with two worm gear clamps for the breather port. Re-install the air duct.



16. Reconnect the MAF sensor harness to the MAF sensor.



17. Install the HPS air filter with the heat shield onto the HPS intake pipe.



18. 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, 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.

