



# Performance Shortram Air Intake Kit

**Part Number: 827-520**

**2003-2006 Nissan 350Z 3.5L V6**

## Installation Instruction

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 Material

**Kit Number: 827-520**

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-111	1	
HPS Air Filter	2	HPS-4276	1	
T-Bolt Clamp for 3" Hose	3	SSTC-79-87	2	
T-Bolt Clamp for 3.12" Hose	3	SSTC-86-94	2	
3" - 3-1/8" Reducer x 3" Long	3	P3SR-300-312-L3	2	
MAF Adapter	3	ADAP-MAF-NIS	1	
MAF Bracket	3	530-117	1	
Intake Bracket	3	530-108	1	
Heat Shield Bracket	3	530-110	1	
Heatshield	3	531-109	1	
Rubber Vibration Mount 6mm x 1/2" Tall	3	HW-RM6-50	1	
Rubber Vibration Mount 6mm x 1" Tall	3	HW-RM6-100	1	
6mm Bolt x 12mm Long	3	HW-B6-12	5	
6mm Bolt x 20mm Long	3	HW-B6-20	1	
6mm Flat Washer x 16mm OD	3	HW-FW6L	5	
6mm Flange Nut	3	HW-N6	3	

- **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.**

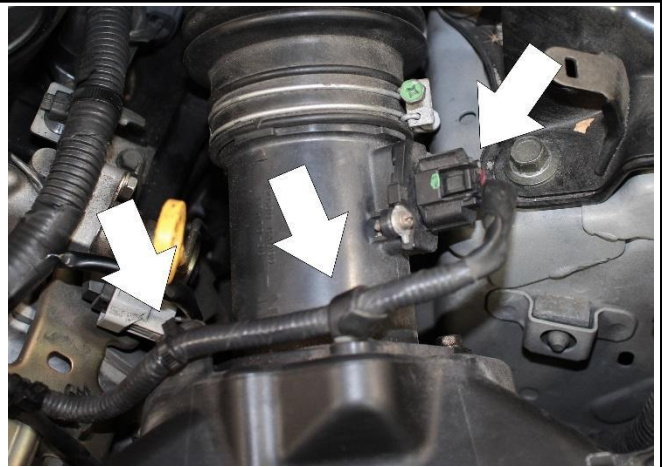
## **GETTING STARTED**

1. You must 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.**



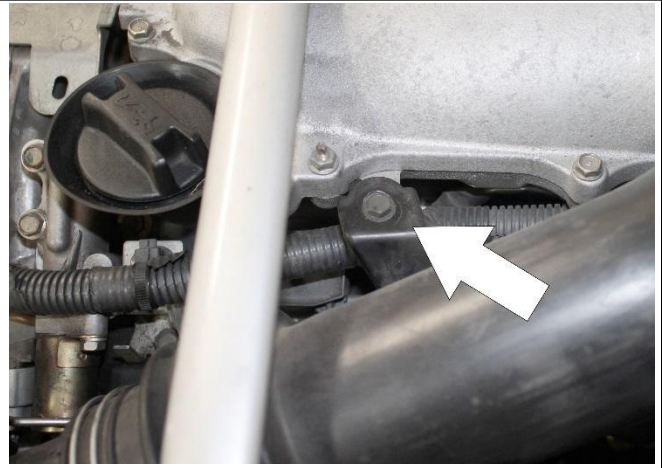
2. Loosen the eight bolts holding the strut tower brace and remove from the vehicle.



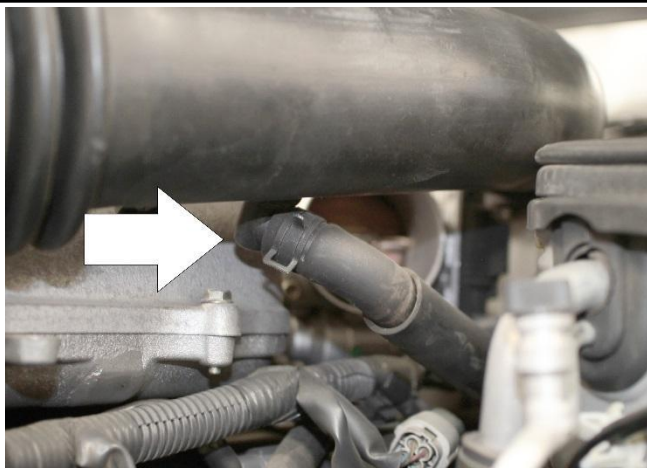
3. Disconnect the MAF sensor connector from the MAF sensor. Then unclip the harness from the clips as indicated.



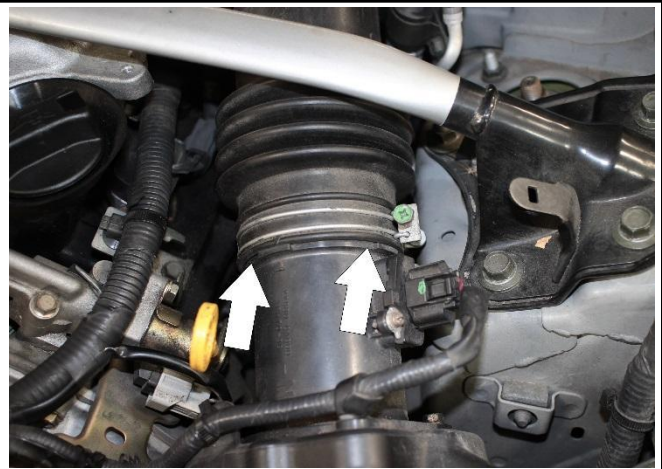
4. Loosen the clamps securing the intake pipe to the throttle body and the MAF sensor housing.



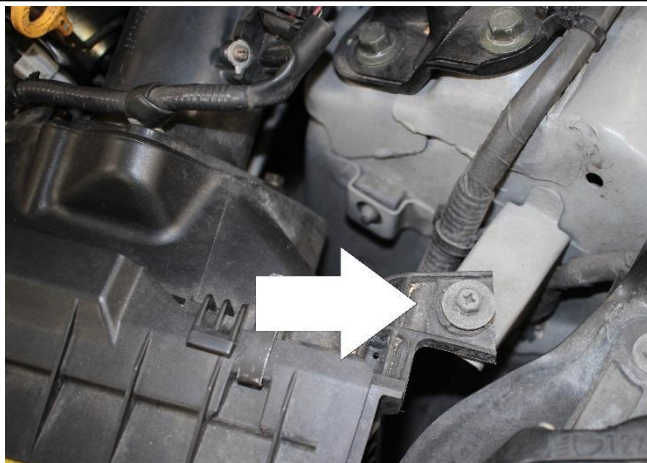
5. Remove the 10mm bolt securing the intake tubing.



6. Remove the intake tubing from the throttle body side to access and disconnect the breather hose.



7. Separate the intake from the air box and remove it from the vehicle.



8. Remove the 10mm bolt securing the air box and remove the air box assembly from the vehicle.



9. Install the coupler and T-bolt clamps onto the throttle body.



10. Remove the bolt from the area shown and replace it with the ½" vibration mount.



11. Install the longer "L" shaped bracket onto the vibration mount using a nut and washer provided in the hardware kit.



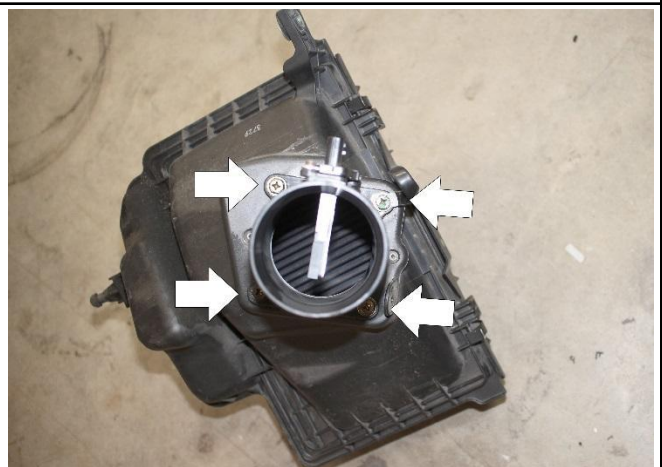
12. Insert the breather hose into the HPS intake.



13. Insert the pipe into the coupler then secure the pipe onto the intake bracket.



14. Press the reducer onto the HPS intake pipe along with the provided T-bolt clamps.



15. Unbolt the 4 bolts on the air box as indicated and remove the MAF housing from the stock air box.



16. Prepare the MAF housing for installation by using the MAF adapter, and the three M6x16mm long bolts provided in the hardware kit.



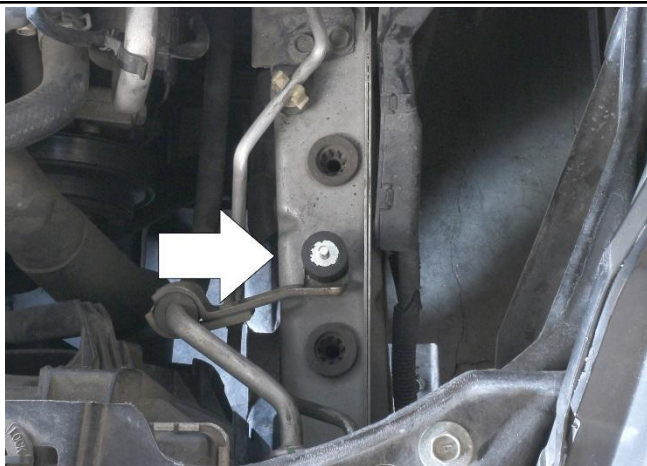
17. Install the bolts as shown in the image above. The remaining bolt hole will be used to mount the bracket in the next few steps.



18. Remove the bolt indicated in the picture.



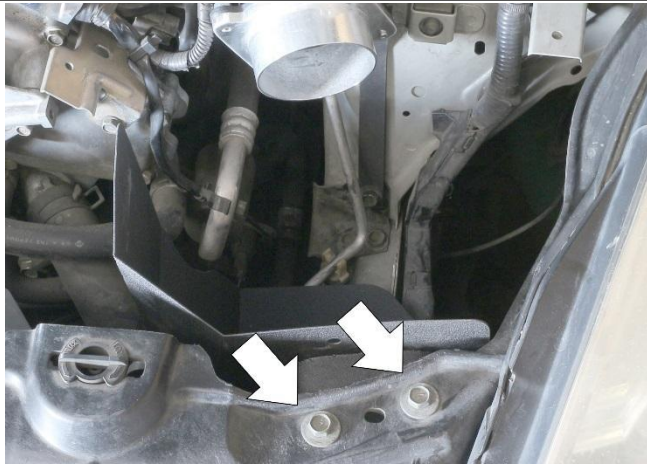
19. Install the bracket onto the location from the bolt removed and secure it with the original bolt. Then install the MAF sensor onto the pipe. Secure the MAF housing to the bracket using a M6 x 20 bolt and washer.



20. Remove the bolt in the location indicated then install the 1" rubber mount replacing the bolt removed.



21. Insert the heatshield onto the rubber vibration mount.



22. Loosen and remove the bolts indicated in the picture shown for the heat shield bracket.



23. Slide the L bracket in between the radiator support and reinstall the bolts. Secure the heat shield to the bracket using a M6 x 12 bolt and washer.



24. Install the HPS air filter onto the intake pipe.



25. Reconnect the MAF sensor harness to the MAF sensor.

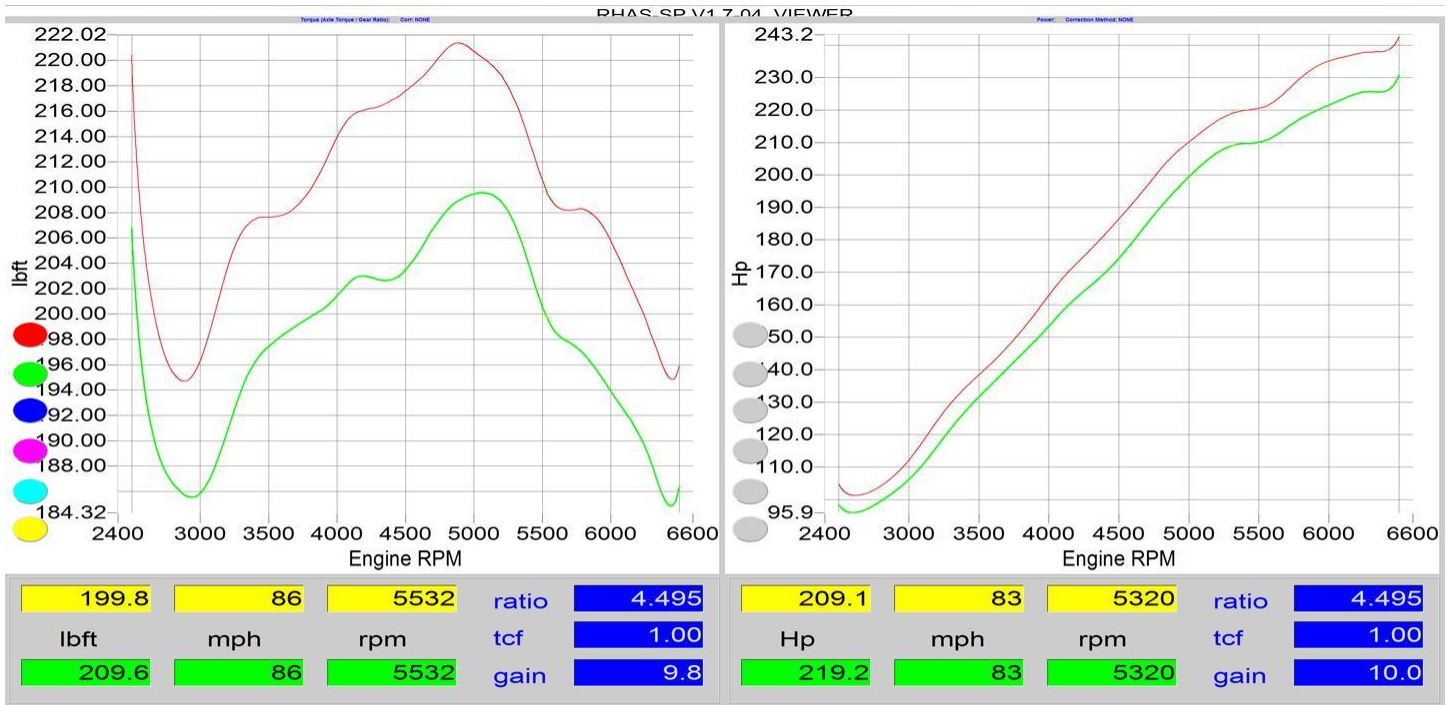
## Final Steps

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.



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**Also available for your Nissan 350z 2003-2006 3.5L V6 !!!**



**HPS Silicone Radiator Hose Kit  
(Black/Blue/Red) with Stainless Steel Clamps**

**Part Number: 57-1048 - MSRP: \$135.00**



**HPS Silicone Heater Hose Kit  
(Black/Blue/Red)**

**Part Number: 57-1435 - MSRP: \$85.00**

**Contact an authorized HPS Performance Products dealer or visit  
[www.hpsperformanceproducts.com](http://www.hpsperformanceproducts.com) for more details**