



## **Performance Cold Air Intake Kit Part Number: 827-706**

**2009-2020 Nissan 370Z 3.7L V6  
2008-2013 Infiniti G37 3.7L 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: 827-706

Description	Prep	Part Number	Qty	Check
Air Intake Pipe #1	1	529-202	1	
Air Intake Pipe #2	1	529-203	1	
Heat Shield	2	HS-404	2	
Intake Bracket #1	3	530-601	1	
Intake Bracket #2	3	530-602	1	
HPS Performance Air Filter	4	HPS-4275	2	
2.75" Straight Coupler x 3.00" Long	5	P3SC-275-L3	2	
T-Bolt Clamp for 2.75" Hose	5	SSTC-73-81	4	
Clamp for Heat Shield	5	EMSC-70-90	2	
Clamp for 16MM EPDM Hose	5	EMSC-16-27	4	
6MM Bolt x 12MM long	5	HW-B6-12	2	
6MM Bolt x 16MM long	5	HW-B6-16	1	
6MM Bolt x 35MM long	5	HW-B6-35	1	
M6 Flange Nut	5	HW-N6	1	
M4 Allen Bolts x 8MM long	5	HW-B4-8	4	
M6 Flat Washer x 16mm OD	5	HW-FW6L	4	
M6 x 13MM Length Spacer	5	94669A178	1	
16mm 90 Degree Joiner	2	5463K602	3	
5/8 EPDM (16MM) x 2 inches	5	EPDM-062	3	
5/8 EPDM (16MM) x 5 inches	5	EPDM-062	2	
2.75" MAF Sleeve, 2.25" ID	5	HW-VEN-275-238	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.
- Report any defective or missing parts to HPS directly. The HPS dealer you purchased this product from might not have the replacement parts you need.
- 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 email us at [tech@hpsperformanceproducts.com](mailto:tech@hpsperformanceproducts.com)

## **PLEASE READ CAREFULLY BEFORE INSTALLATION!**

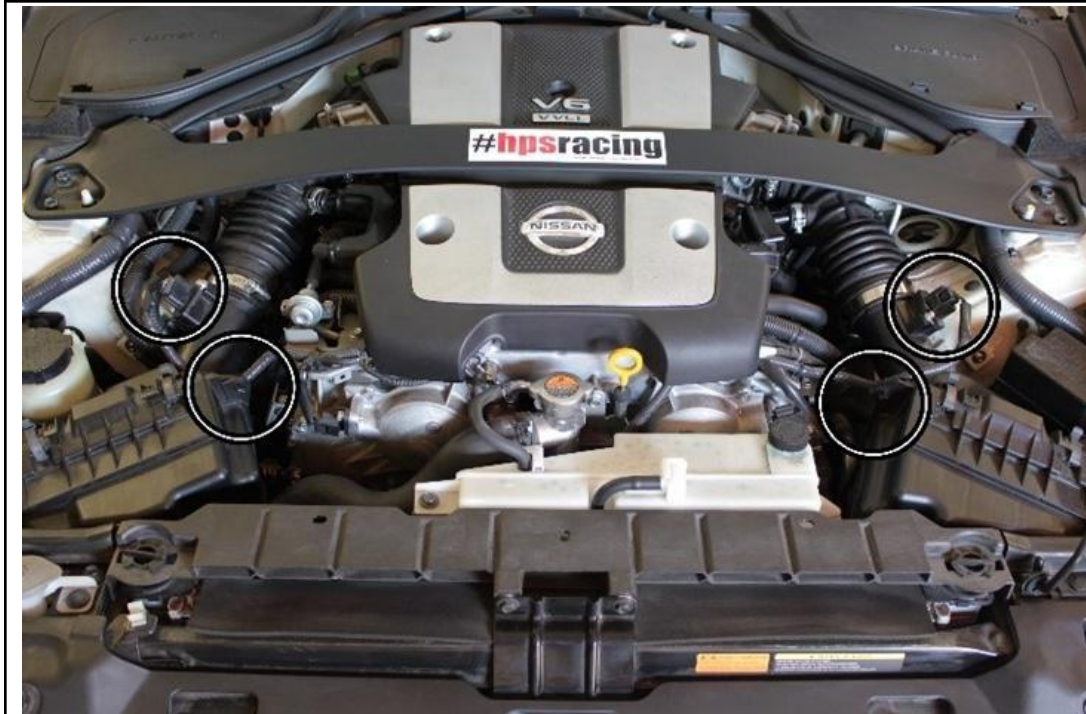
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

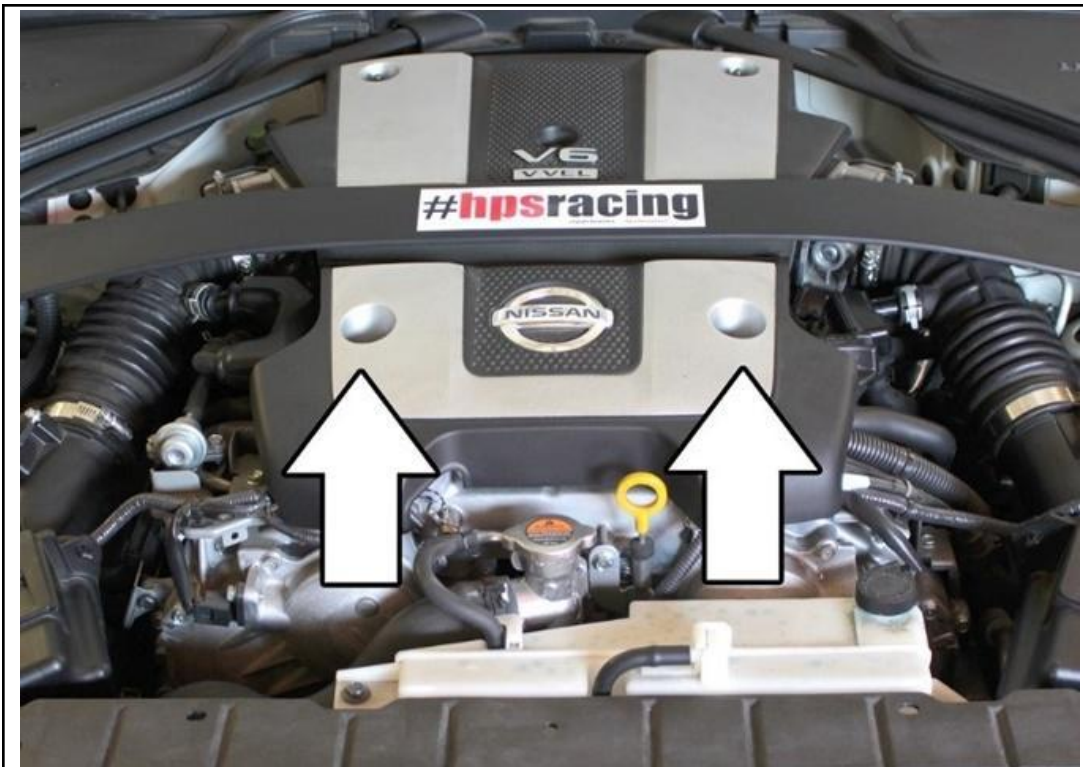
## **GETTING STARTED**

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.

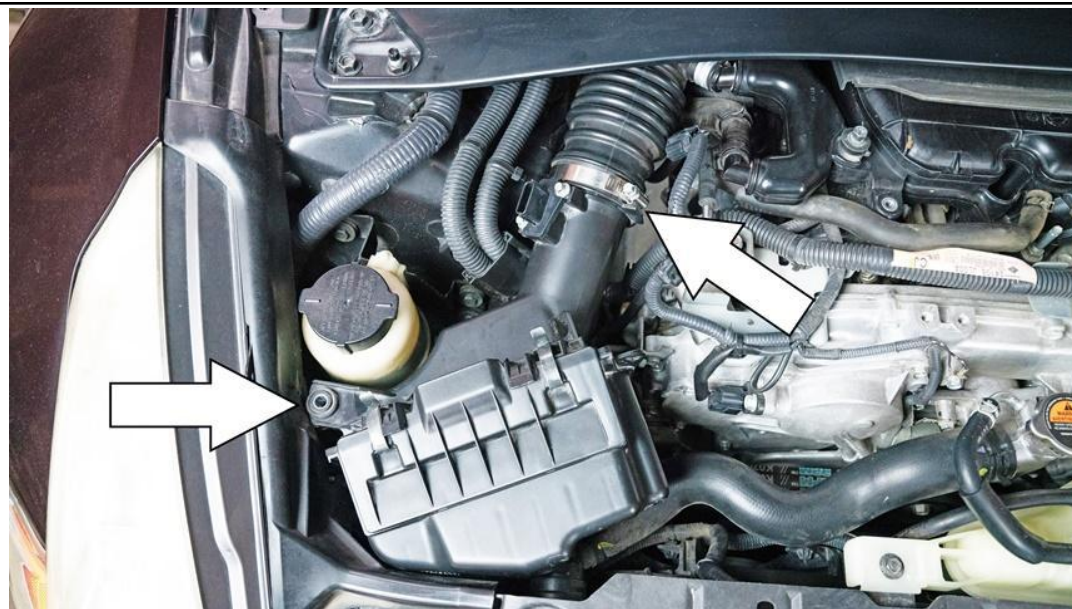
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



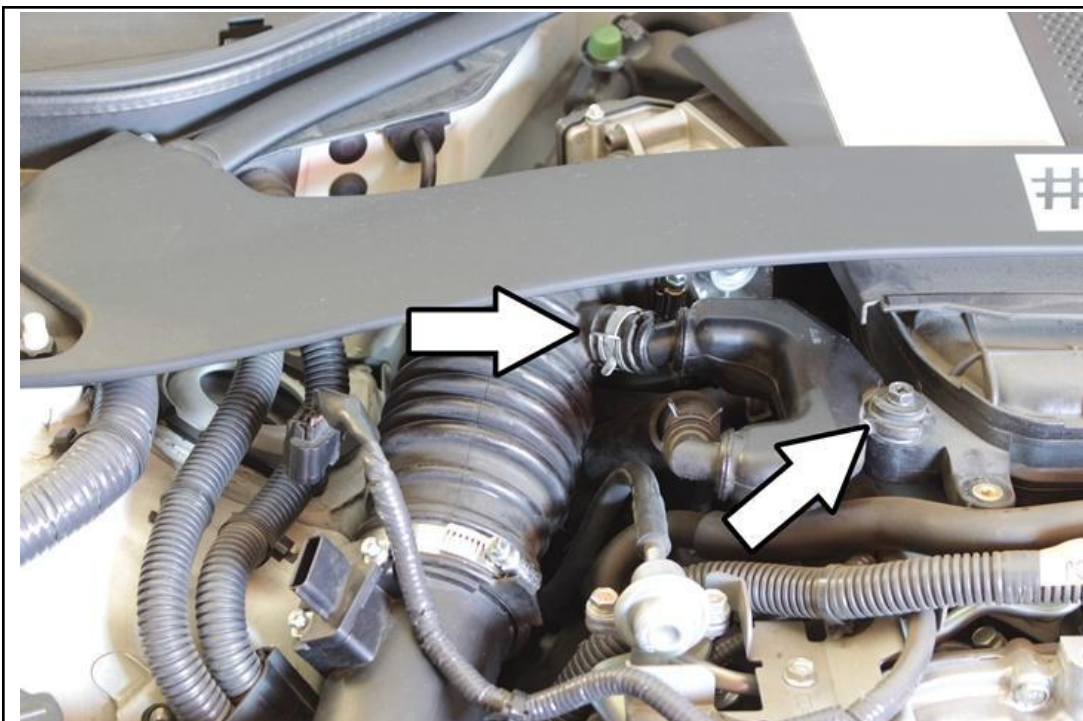
2. Disconnect both mass air flow sensor harness connectors and remove the electrical harness retaining clips from both air boxes.



3. Remove the two 10mm bolts securing the engine cover and remove it from the vehicle.



4. Remove the 10mm bolt securing the passenger side air box. Loosen the hose clamp securing the intake hose from the air box.



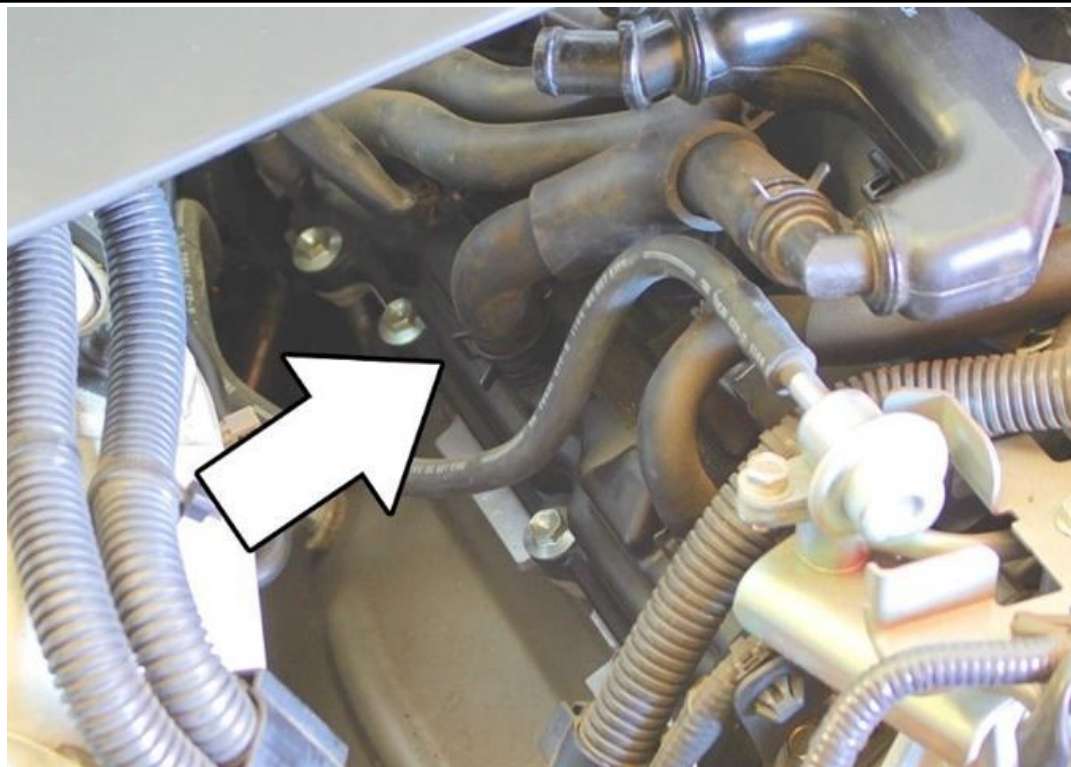
5. Loosen the hose clamp securing the breather hose from the intake hose. Remove the 10mm bolt securing the breather hose assembly from the intake manifold.



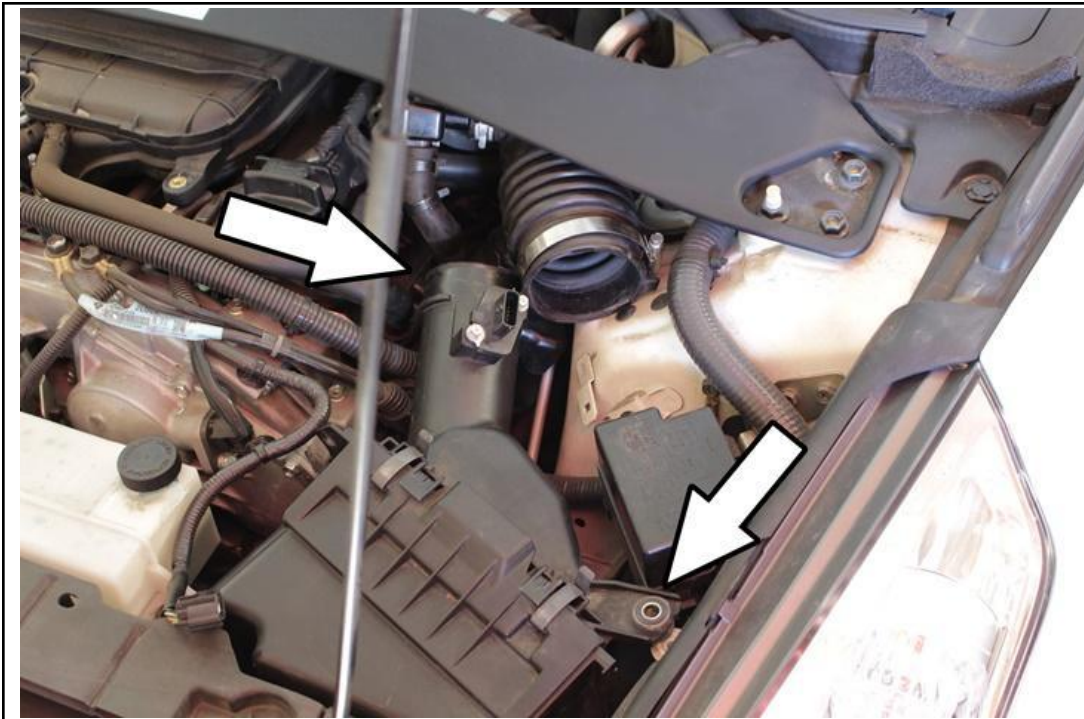
6. Disconnect the intake hose from the air box and remove the air box from the vehicle.



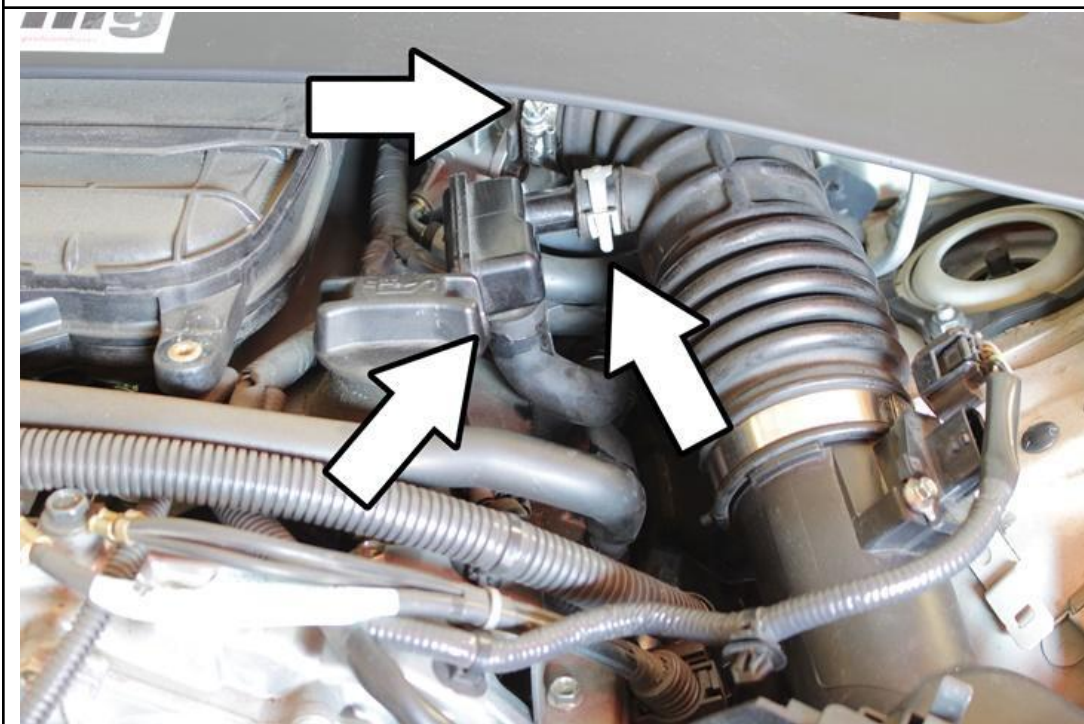
7. Loosen the hose clamp securing the intake hose from the throttle body and remove the intake hose from the vehicle.



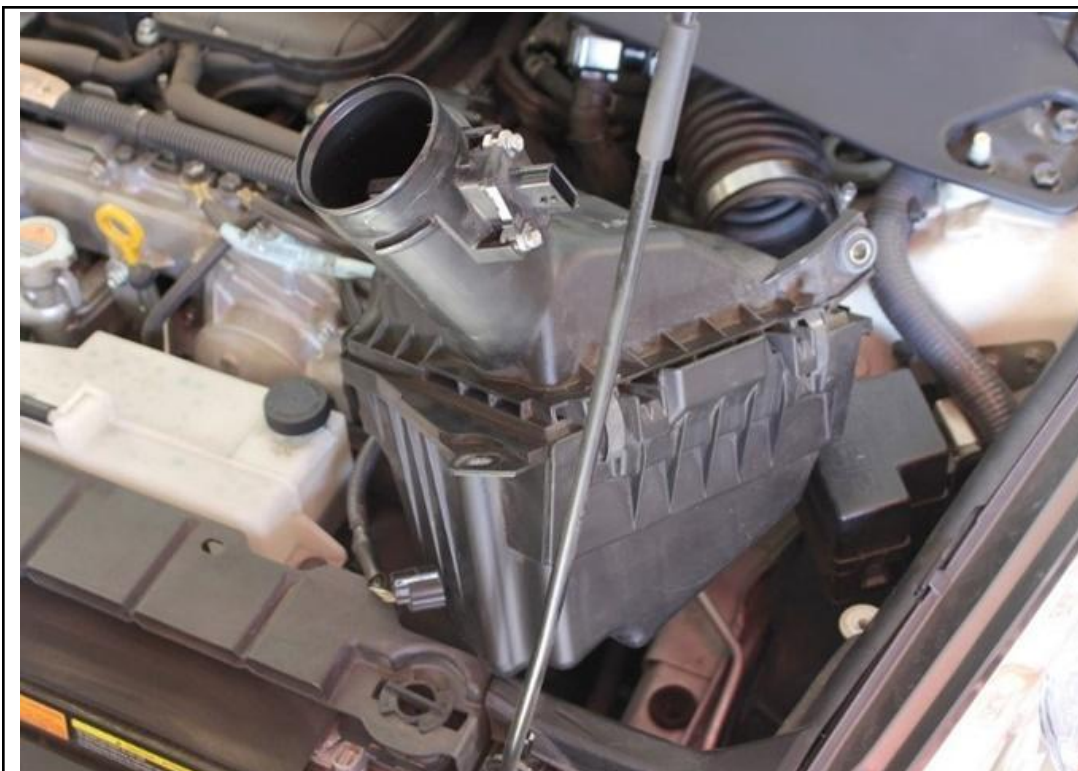
8. Loosen the hose clamp securing the breather hose assembly from the valve cover and remove the breather hose assembly from the vehicle.



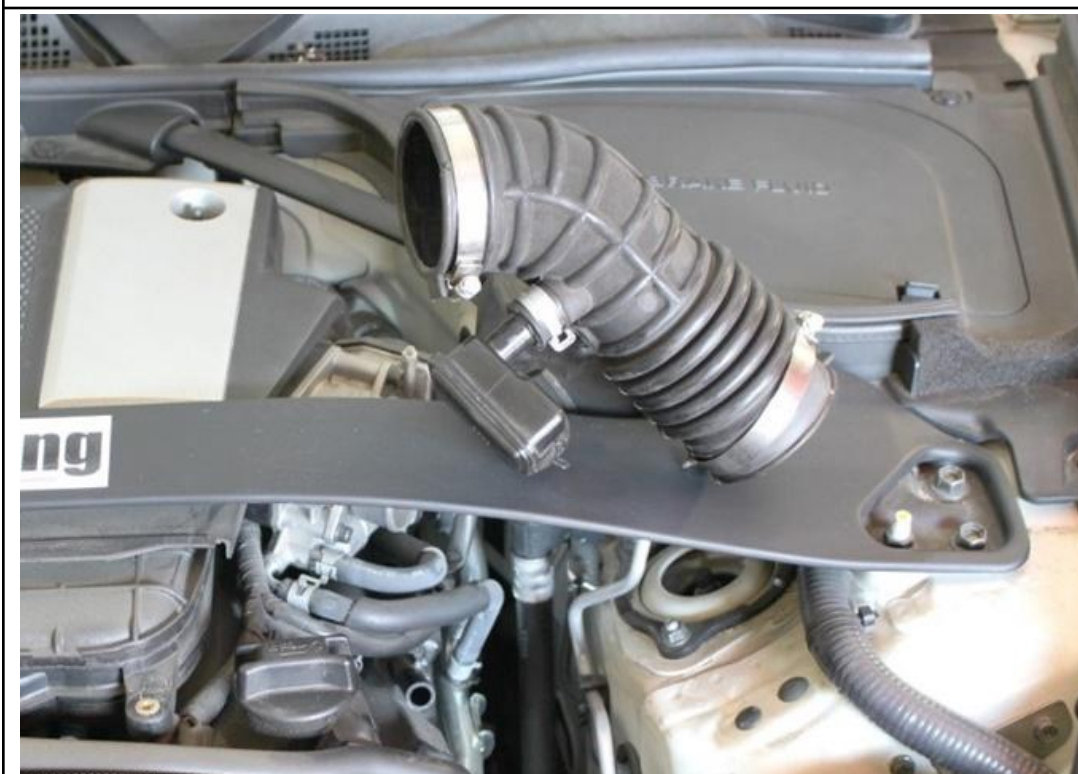
9. Loosen the hose clamp to remove the driver side intake hose from the air box. Remove the 10mm bolt securing the driver side air box.



10. Loosen the hose clamp securing the intake hose from the throttle body and disconnect the hose clamp securing the breather hose from the driver side intake hose.



11. Remove the driver side air box from the vehicle.

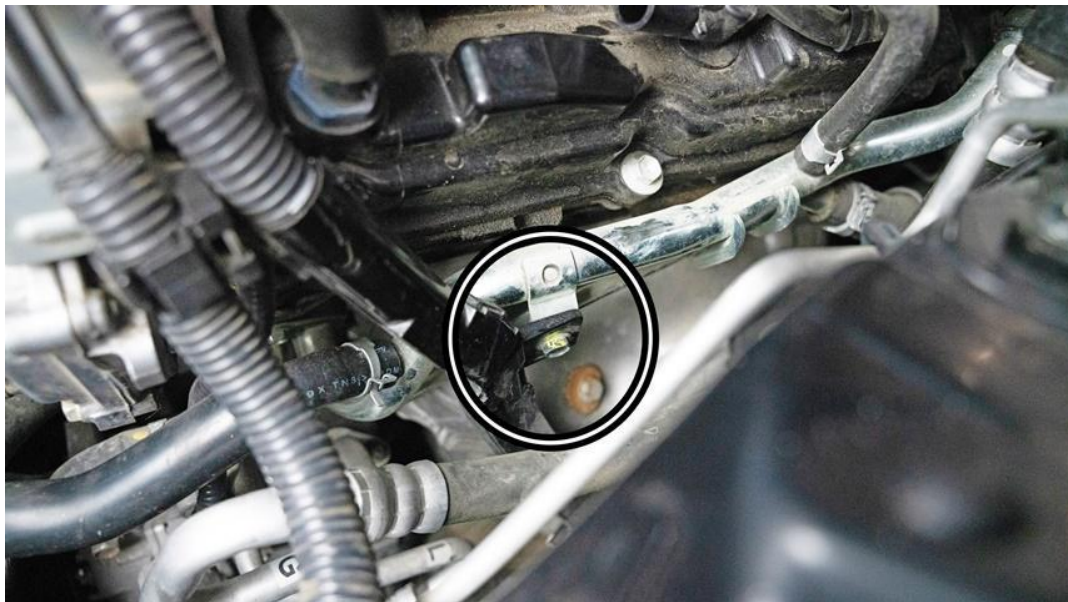


12. Remove the driver side intake hose from the vehicle.





13. Install the silicone coupler along with the provided T-bolt clamps onto the driver side throttle body.



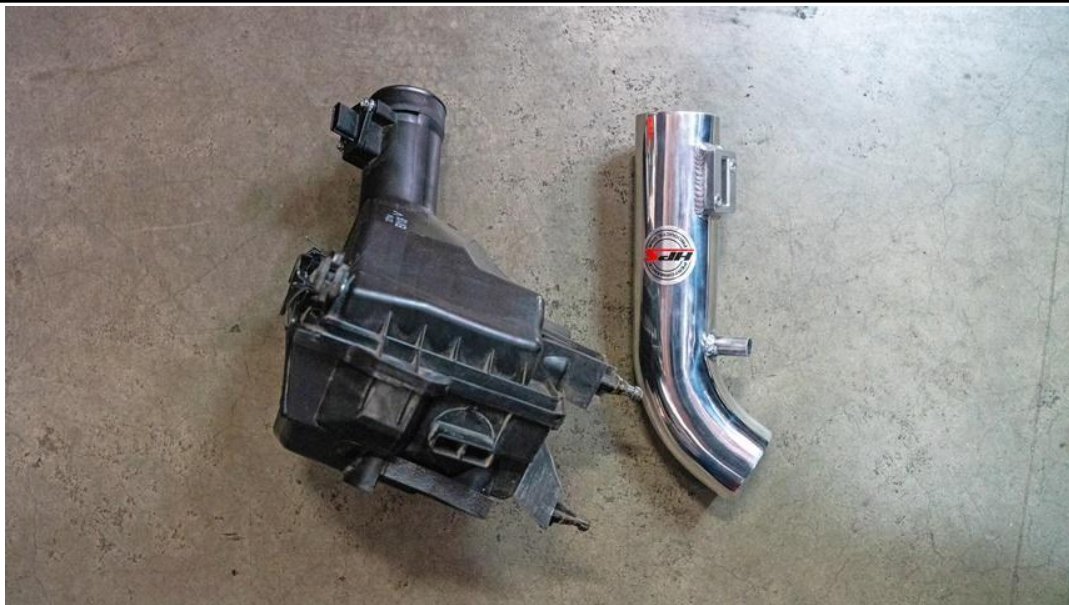
14. Remove the 10mm bolt located below the driver side valve cover securing a coolant hardline.



15. Prepare the provided "C" bracket, spacer, washer and M6 x 35mm bolt.



16. Loosley insert the bracket replacing the bolt in step 14.



17. Remove the factory Mass air flow sensor and install the sensor onto the HPS intake pipe using our provided M4x8mm Allen bolts.



18. Install and secure the HPS intake to the bracket using the provided M6x12mm bolt and washer, then tighten the bracket down once it's in position.



19. Assemble the passenger side breather hose using one 5-inch EPDM hose and one 2-inch EPDM along with the provided 90 degree barb.



20. Install and secure the EPDM hose onto the intake barb using the provided EMSC- 16-27 clamps.



21. Insert the MAF sleeve into the HPS intake pipe.



22. Loosely install the heat shield brackets onto the heat shield.



23. Use the provided EMSC-70-90 clamp to secure the heatshield onto the HPS performance air filter.



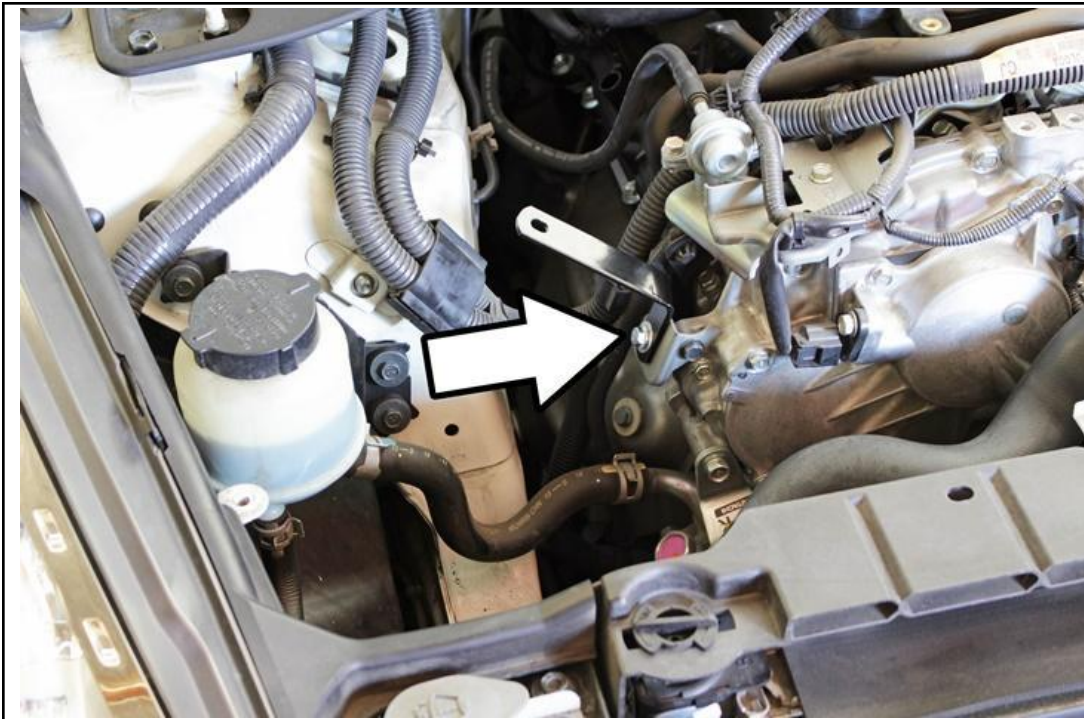
24. Insert and secure the HPS performance air filter along with the heat shield onto the intake pipe.



25. Re-connect the MAF sensor harness connector.



26. Install the silicone coupler along with the provided T-bolt clamps onto the passenger side throttle body.



27. Install and secure the "L" bracket onto the location shown above using the provided M6x16mm bolt, washer, and nut.

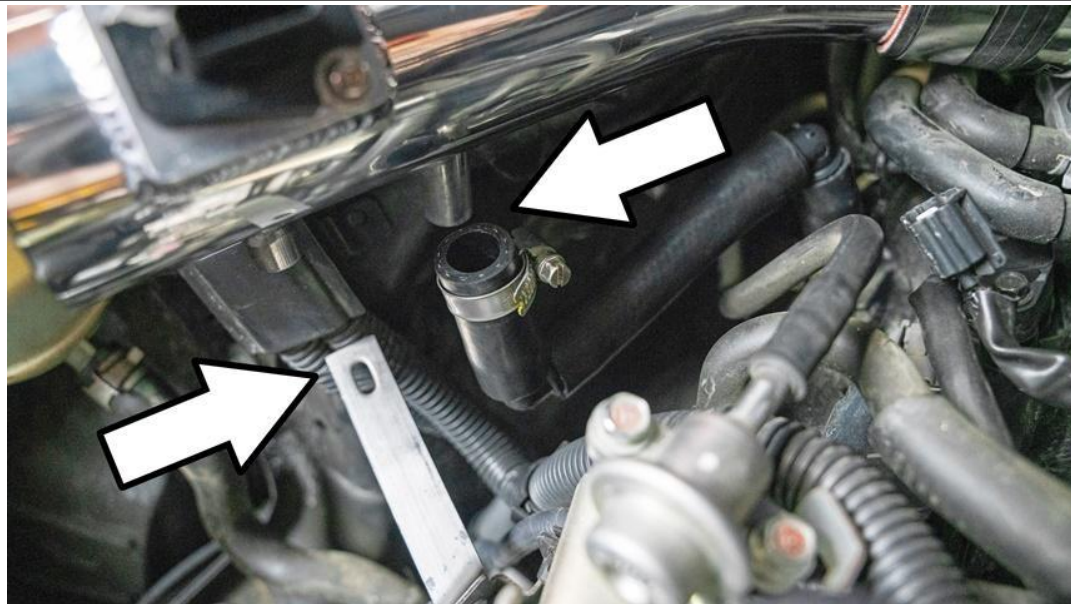


28. Prepare the passenger side breather hose by using:  
x1 5-inch EPDM hose  
x2 2-inch EPDM hose  
x2 90-degree joiner  
x2 EMSC 16-27 clamps to make a "Z" shaped breather hose.





29. Remove the factory Mass air flow sensor and install the sensor onto the HPS intake pipe using our provided M4x8mm Allen bolts.



30. Insert the HPS intake into the coupler and secure the intake barb into the EPDM hose. Secure the intake pipe to the bracket using the provided M6x12mm bolt and washer.



31. Insert the MAF sleeve into the HPS intake pipe.



32. Use the provided EMSC-70-90 clamp to secure the heat shield onto the HPS performance air filter.



33. Insert and secure the HPS performance air filter onto the intake pipe and reconnect the MAF sensor harness connector. Re-install the engine cover back into the vehicle.

### 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.

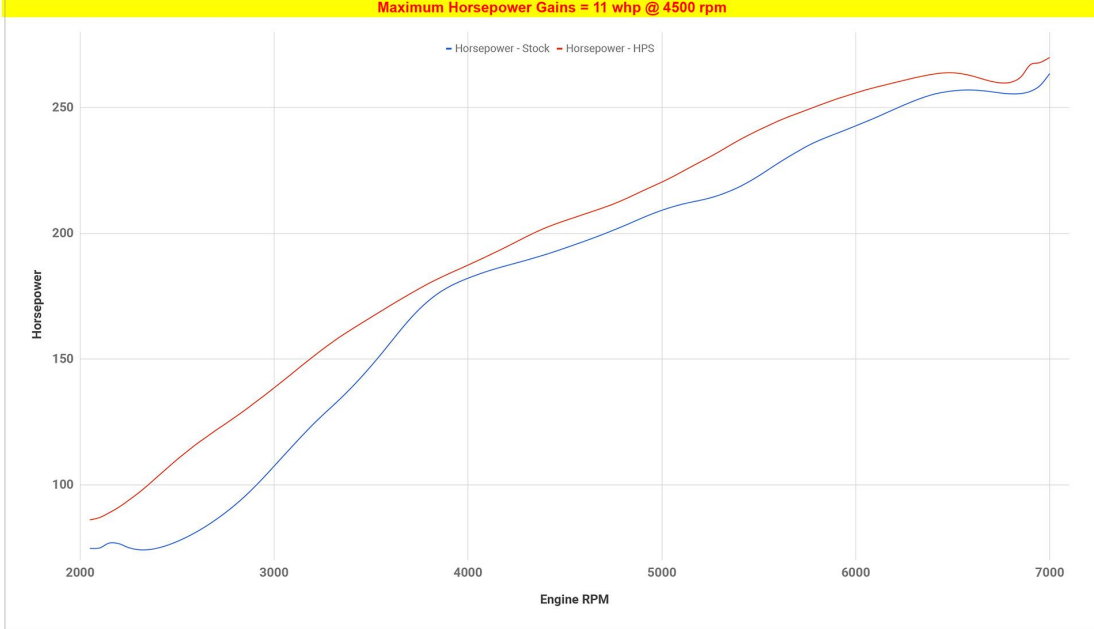
Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles 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.



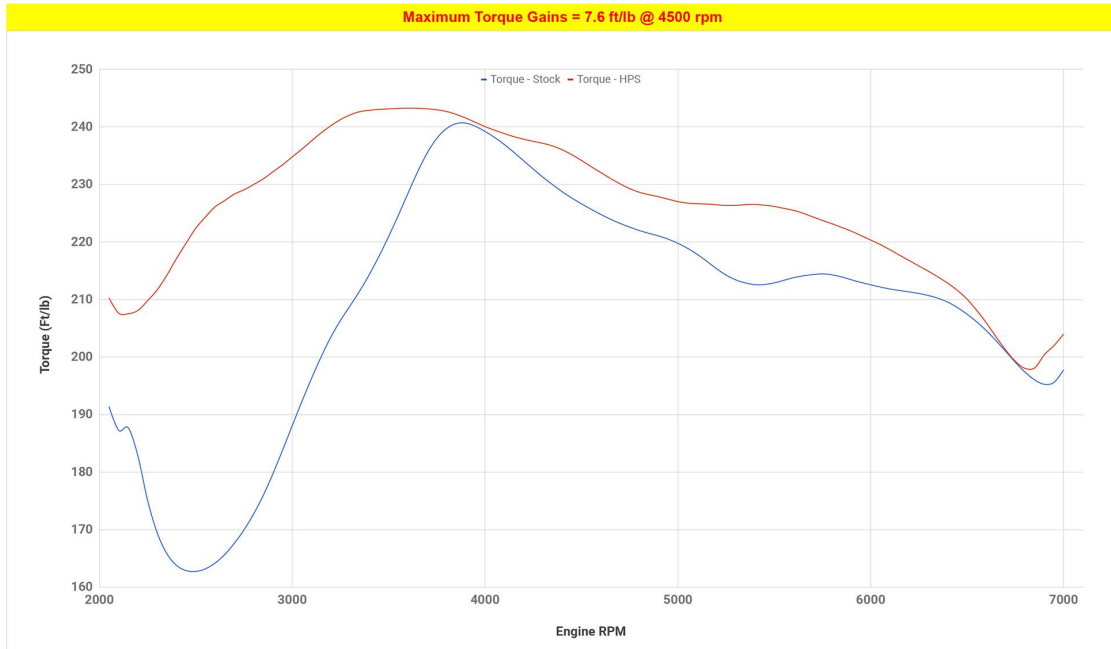
**HPS Performance Air Intake Kit with Heat Shield (827 Series)**  
**2009-2020 Nissan 370Z 3.7L V6**  
**2008-2013 Infiniti G37 3.7L V6**  
**Part Number: 827-706**

Maximum Horsepower Gains = 11 whp @ 4500 rpm



**HPS Performance Air Intake Kit with Heat Shield (827 Series)**  
**2009-2020 Nissan 370Z 3.7L V6**  
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**Part Number: 827-706**

Maximum Torque Gains = 7.6 ft/lb @ 4500 rpm



**Also available for 2009-2020 Nissan 370Z 3.7L V6  
& 2008-2013 Infiniti G37 3.7L V6**

**HPS Silicone Radiator Coolant Hose Kit**

[Part Number 57-1049](#)



**HPS Silicone Heater Coolant Hose Kit**

[Part Number 57-1437](#)



**HPS Performance Stainless Steel Magnetic Oil Drain Plug Bolt**

**[Part Number MDP-M12x125](#)**



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