



Performance Air Intake Kit Part Number: 827-688

**2011-2013 Infiniti M56 5.6L
2014-2019 Infiniti Q70 5.6L**

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

Kit Number: 827-688

Description	Prep	Part Number	Qty	Check
Air Intake Pipe #1	1	529-592	1	
Air Intake Pipe #2	1	529-593	1	
Heat Shield #1	2	531-596	1	
Heat Shield #2	2	531-597	1	
Bracket	3	530-598	2	
HPS Performance Air Filter	4	HPS-4332	2	
Custom 45 Degree Coupler x 3.25" ID	5	CH-0056	2	
Clamp for 3.25"	5	EMSC-80-100	4	
M6 heat shield mount bung to grommet	5	HSM-M6-1028	4	
M6 Bolt x 12mm long	5	HW-B6-12	4	
M6 Flat Washer x 16mm OD	5	HW-FW6L	4	
3.25" MAF sleeve, No Straightener	5	HW-VEN-325-300	2	
19 Inches of Edge Trim	5	THIN EDGE TRIM	2	
5/8 EPDM (16mm) x 15 inches	5	EPDM-062	2	
Clamp for 5/8 EPDM hose	5	EMSC-16-27	4	

- 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

PLEASE READ CAREFULLY BEFORE INSTALLATION!

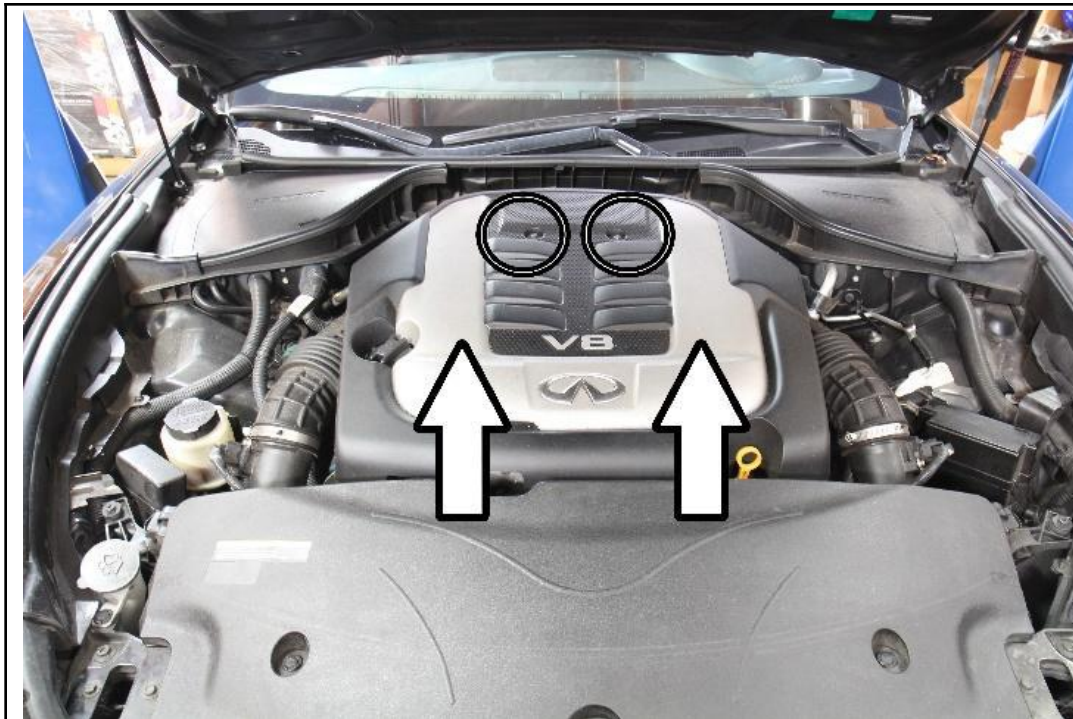
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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.

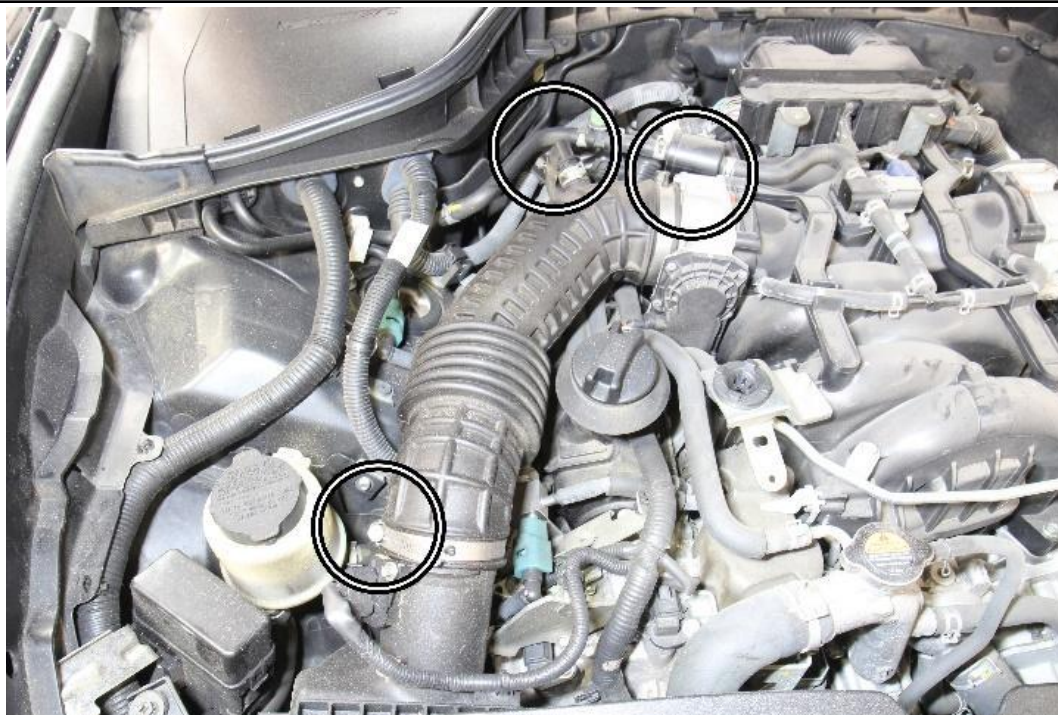
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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.



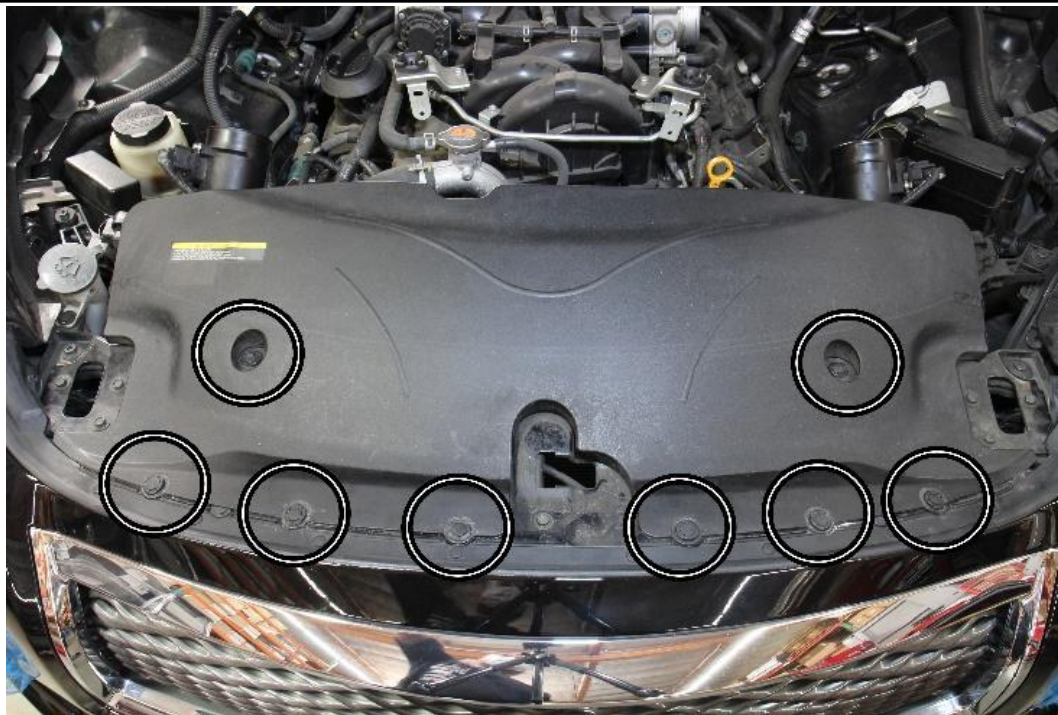
2. Remove the two 10mm bolts securing the engine cover. Lift the engine cover from its grommets and remove the engine cover from the vehicle.



3. Loosen the hose clamps securing the driver side intake hose from the throttle body and the air box. Disconnect the breather hose from the intake hose. Remove the intake hose from the vehicle.



4. Loosen the hose clamps securing the passenger side intake hose from the throttle body and the air box. Disconnect the breather hose from the intake hose. Remove the intake hose from the vehicle.



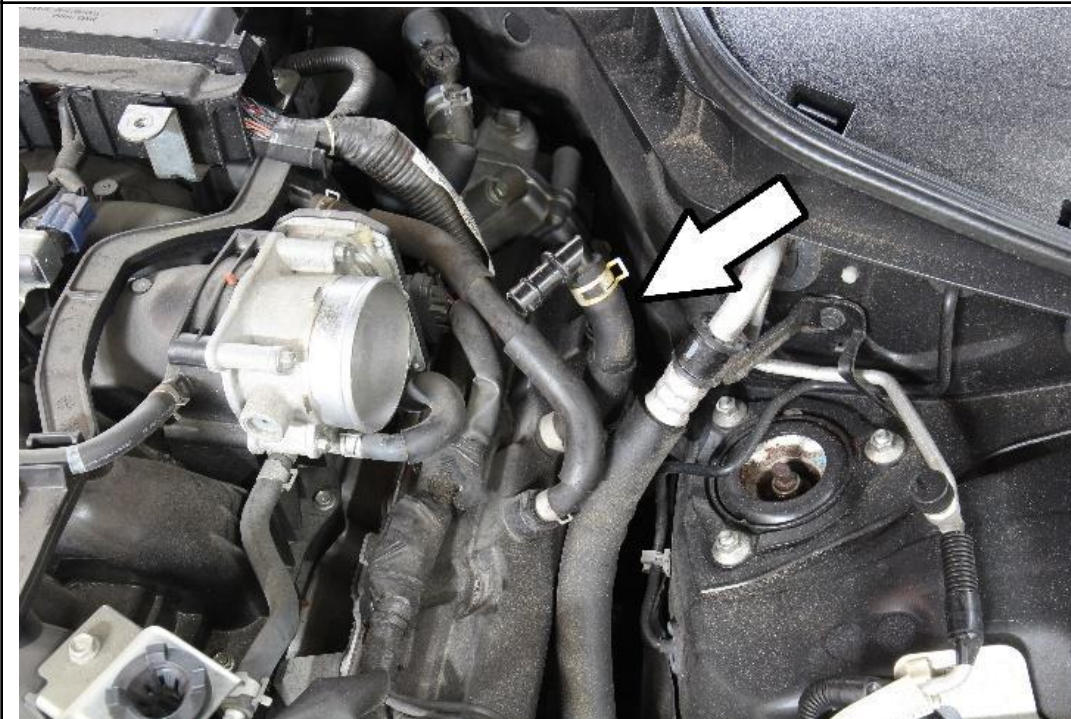
5. Remove the 8 clips securing the factory cooling panel / air duct and remove the panel from the vehicle.



6. Disconnect the mass air flow sensor harness connector on the driver side and remove the harness clip from the air box. Remove the 10mm bolt securing the air box assembly. Repeat this step on the passenger side.



7. Lift the driver side air box assembly from its grommets and remove it from the vehicle. Repeat this step on the passenger side.



8. Remove the breather hose assembly from the driver side crank case vent and repeat this step on the passenger side.



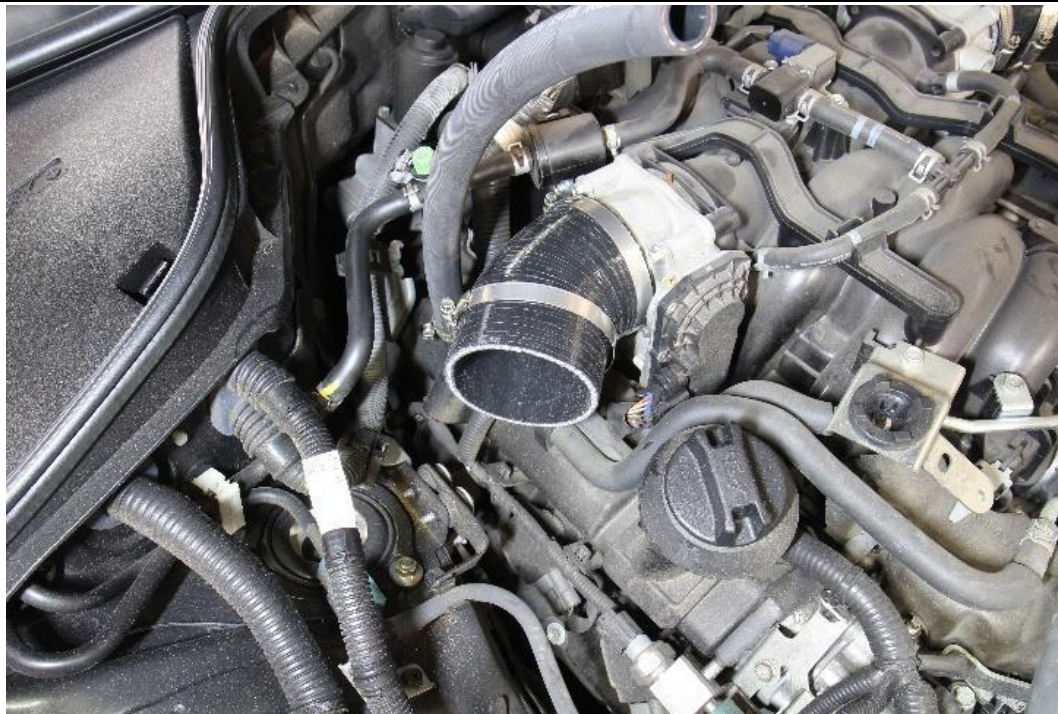
9. Insert the EPDM hose along with the provided hose clamps and secure it onto the passenger side crank case vent.



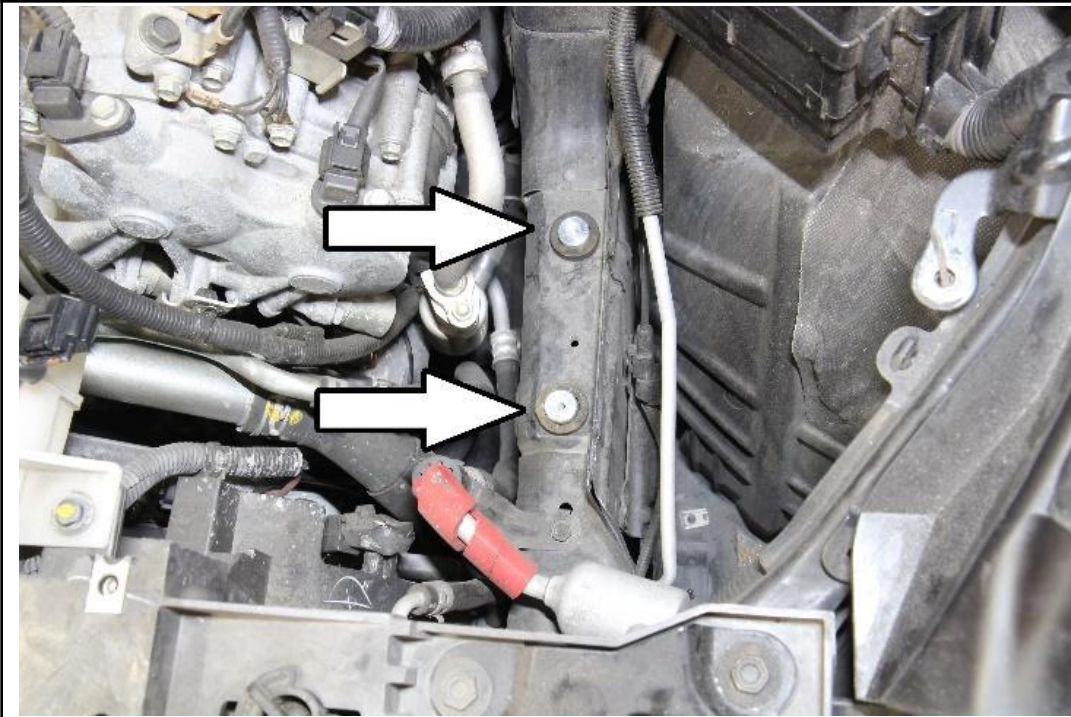
10. Insert the EPDM hose along with the provided hose clamps and secure it onto the driver side crank case vent.



11. Insert the short side of the coupler onto the driver's side throttle body, along with the provided EMSC-80-100 clamps.



12. Insert the short side of the coupler onto the passenger side throttle body, along with the provided EMSC clamps.



13. Insert the provided M6 bungs into the factory air box grommets. Repeat this step on the passenger side.



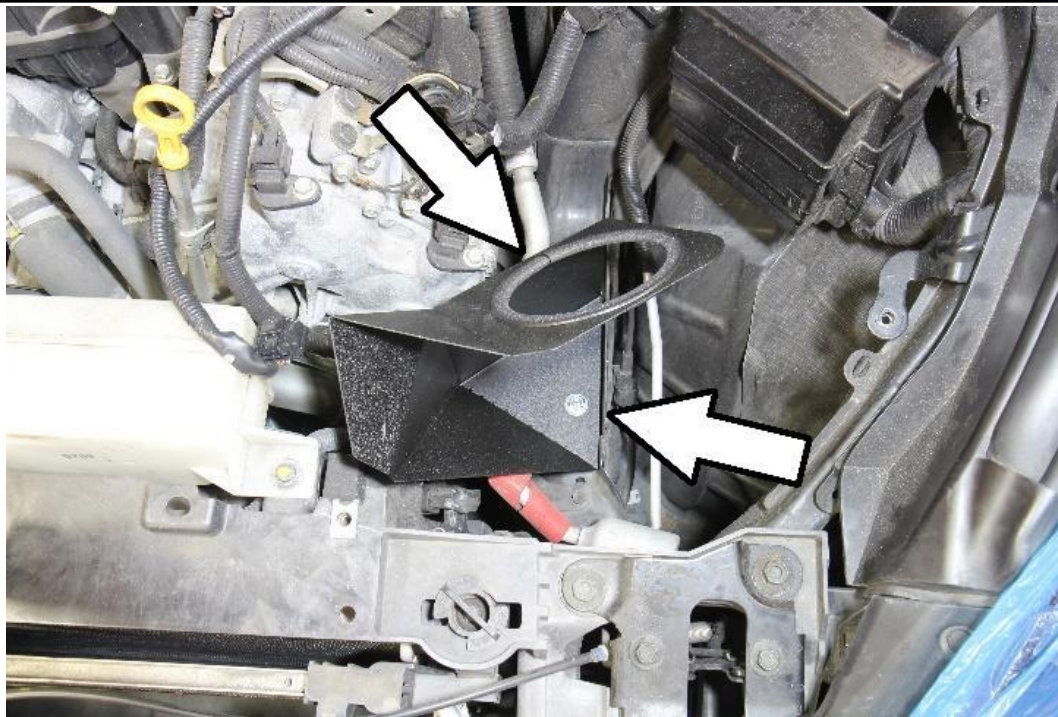
14. Insert and secure the flat bracket onto the upper M6 bung on the driver side using a M6x12mm bolt and washer.



15. Insert and secure the flat bracket onto the upper M6 bung on the passenger side using a M6x12mm bolt and washer.



16. Remove and install the factory MAF sensors onto the HPS intake pipes. Secure the MAF sensors using the factory bolts.



17. Install the thin edge trim onto the heat shield indicated above and secure the heat shield onto the bracket using a M6x12mm bolt and washer. Repeat this step on the passenger side.



18. Insert the HPS performance air filter into the heat shield.



19. Insert the HPS intake pipe into the throttle body coupler and insert the provided MAF sleeve into the intake pipe. Repeat this step on the passenger side.



20. Secure the HPS performance air filter to the intake pipe. Adjust the intake pipe and the throttle body coupler into place and secure all the clamps. Repeat this step on the passenger side.



21. Secure both driver side and passenger side EPDM breather hoses onto the intake pipe barb using the provided EMSC-16-27 clamps.



22. Reconnect the passenger and driver side MAF sensor harness connector onto the MAF sensor.



23. Install the factory cooling panel / air duct back into the vehicle.



24. Reinstall the engine cover back onto 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.

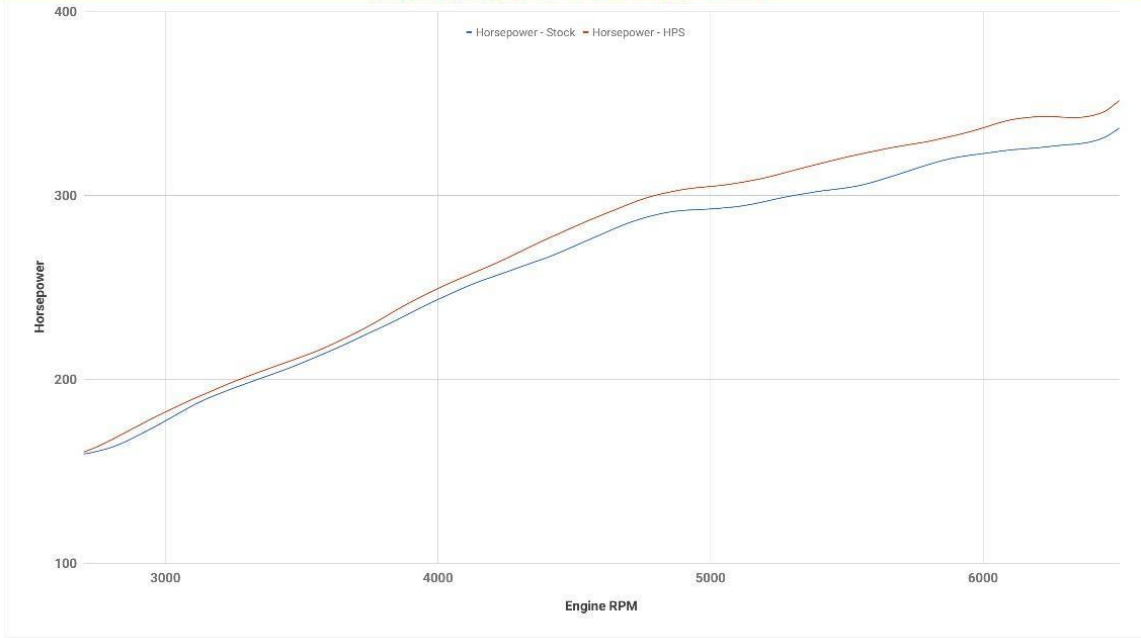
Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles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



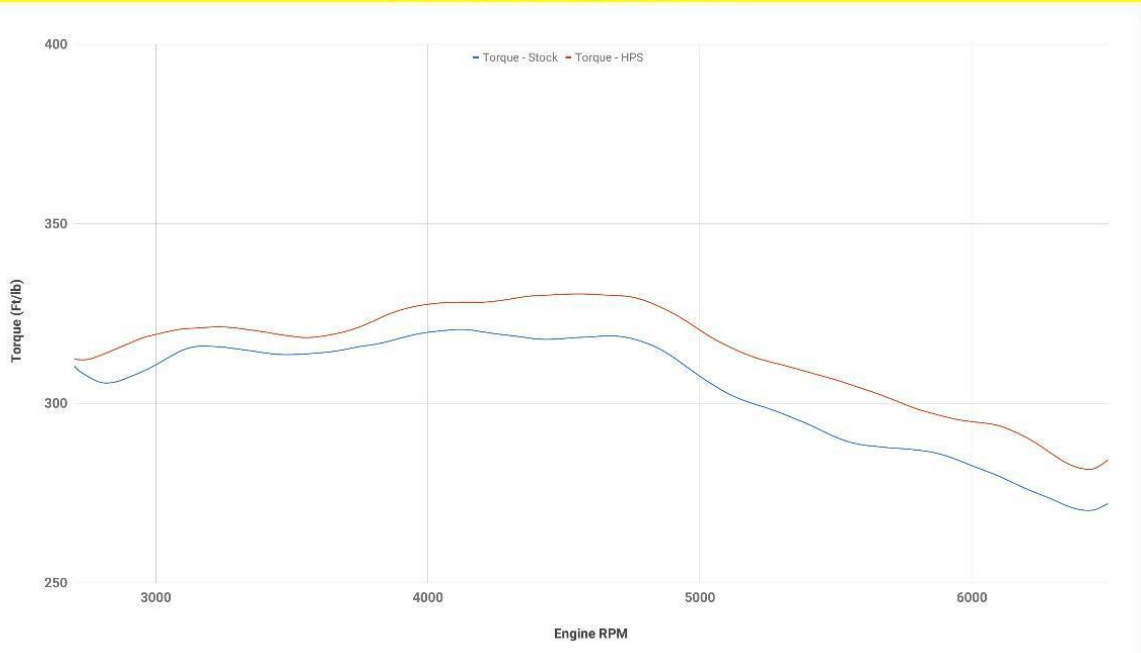
HPS Performance Shortram Air Intake
2011-2013 Infiniti M56 / 2014-2019 Infiniti Q70 5.6L V8
Part Number: 827-688

Maximum Horsepower Gains = 10.2 whp @ 4400 rpm



HPS Performance Shortram Air Intake
2011-2013 Infiniti M56 / 2014-2019 Infiniti Q70 5.6L V8
Part Number: 827-688

Maximum Torque Gains = 12.1 ft/lb @ 4400 rpm



**Also available for 2011-2013 Infiniti M56 5.6L V8
& 2014-2019 Infiniti Q70 5.6L V8**

HPS Silicone Radiator Coolant Hose Kit

[Part Number 57-2055](#)



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 for more details**