



Performance Air Intake Kit Part Number: 827-720

2007-2011 Lexus GS350 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

Kit Number: 827-720

| Line # | Description | Part Number | Qty |
|--------|---|------------------|-----|
| 1 | Intake Pipe | 529-333 | 1 |
| 2 | Heat shield | 531-904 | 1 |
| 3 | Bracket | 530-905 | 1 |
| 4 | HPS Performance Air Filter | HPS-4276 | 1 |
| 5 | 3" to 3.12" Silicone Reducer, 3" Length | P3SR-300-312-L3 | 1 |
| 6 | T-Bolt Clamp, 79mm – 87mm | SSTC-79-87 | 1 |
| 7 | T-Bolt Clamp, 83mm – 91mm | SSTC-83-91 | 1 |
| 8 | M6 Bolt x12mm Long | HW-B6-12 | 1 |
| 9 | M6 Flange Nut | HW-N6 | 5 |
| 10 | M6 Flat Washer | HW-FW6L | 6 |
| 11 | Rubber Vibration Mount M6 x 1/2" Tall | HW-RM6-50 | 2 |
| 12 | Rubber Vibration Mount M6 x 1" Tall | HW-RM6-100 | 2 |
| 13 | M4 Allen Bolt x 8mm Long | HW-B4-8 | 2 |
| 14 | Bubble Edge Trim x 60 inches | Bubble Edge Trim | 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.**
- **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!

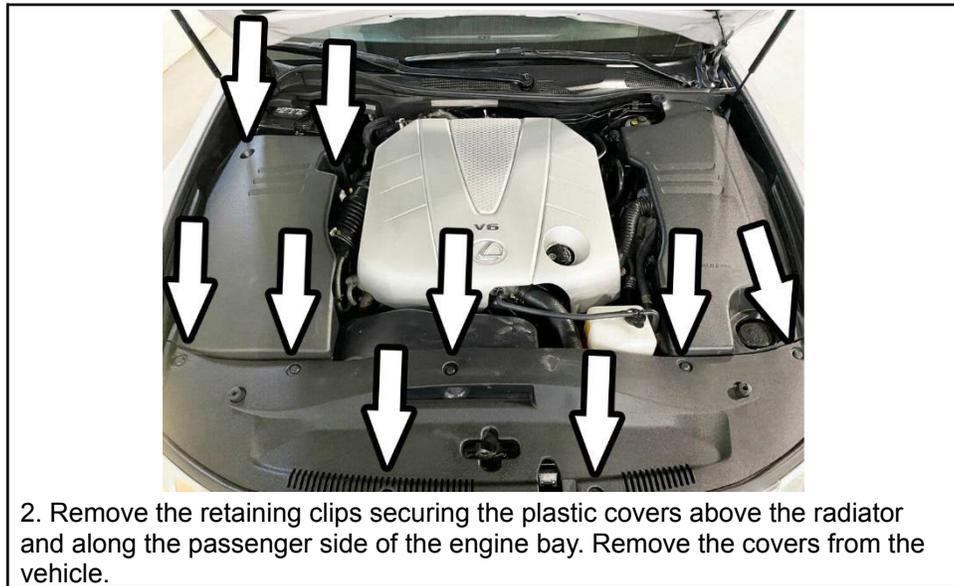
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

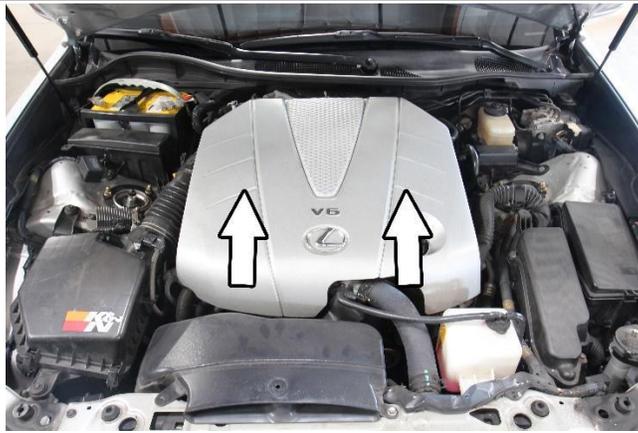
NOTE: HPS holds no responsibility for any engine damage that results from misuse of this product.

GETTING STARTED

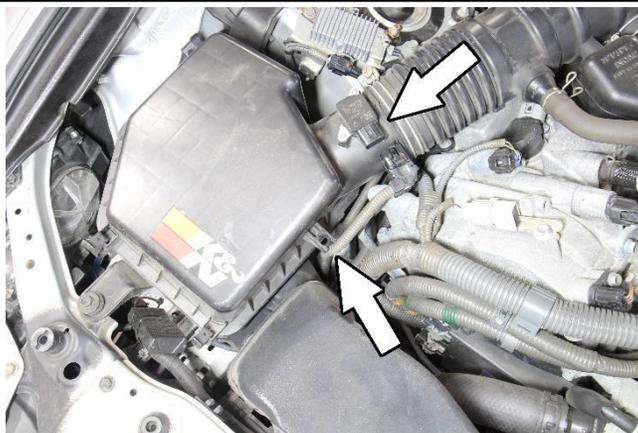
1. Turn the ignition OFF and disconnect the vehicle's negative battery cable. If the engine has run within the past two hours let it cool down.

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.

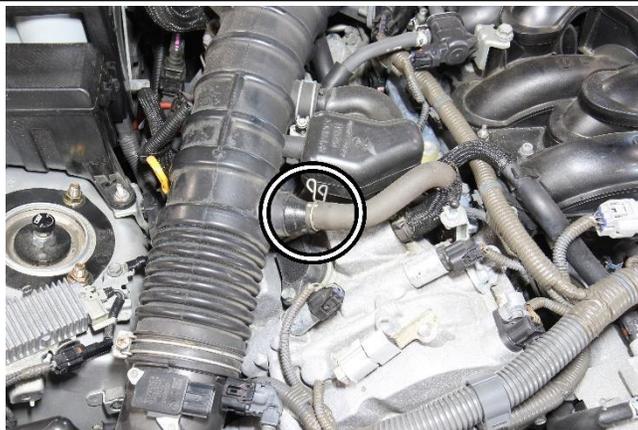




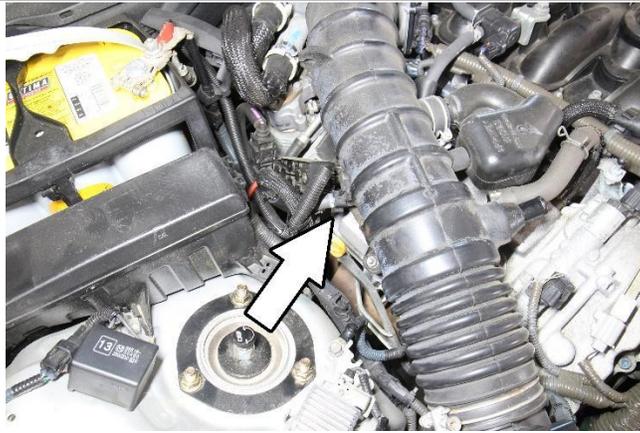
3. Lift to remove the engine cover from the vehicle.



4. Disconnect the mass air flow sensor and unclip the harness from the upper air box.



5. Disconnect the breather hose from the stock intake tube.



6. Unclip the fuel hose from the intake tube.



7. Loosen the hose clamp securing the intake tube from the throttle body.



8. Unclip the four retaining clamps securing the upper air box assembly.



9. Remove the upper air box assembly along with the factory intake tube from the vehicle.



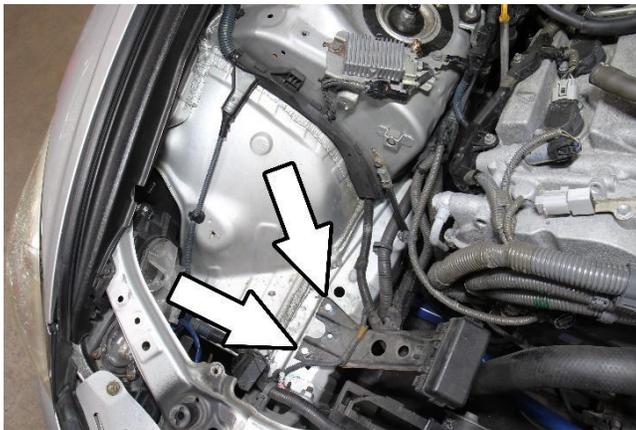
10. Remove 3x 10mm bolts from the lower air box assembly and 1x 10mm bolt from the air duct.



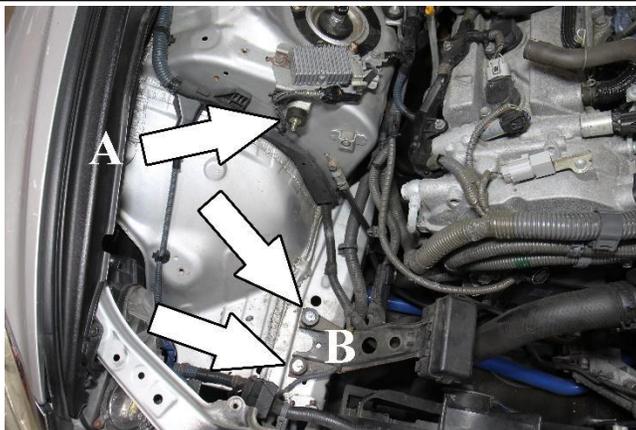
11. Disconnect the mass air flow sensor electrical harness from the lower air box assembly and remove the lower air box from the vehicle.



12. Insert the reducer coupler along with the provided T-bolt clamps onto the throttle body.



13. Remove the two 10mm bolts securing the bracket shown above.



14. Insert the $\frac{1}{2}$ " vibration mount located in the image shown above (A). Insert the provided 1" vibration mounts to replace the bracket bolts removed in the previous step (B).



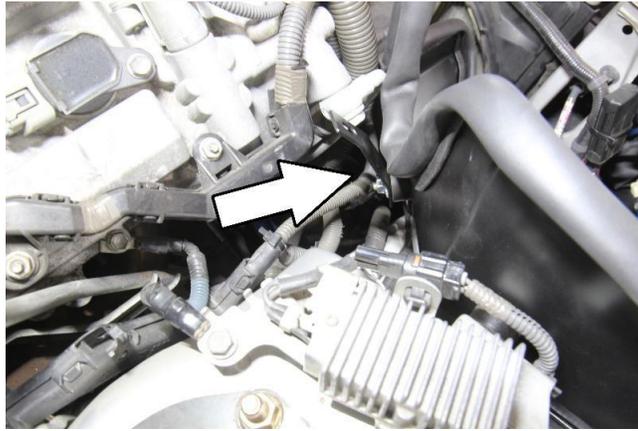
15. Install the provided bubble edge trim onto the HPS heat shield.



16. Install and secure the $\frac{1}{2}$ vibration mount onto the heat shield shown above using a provided washer and nut.



17. Insert and secure the heat shield onto the vibration mounts using the provided nuts and washers.



18. Loosely secure the provided intake bracket onto the vibration mount with the angled side pointing upwards.



19. Remove and install the mass air flow sensor onto the HPS intake pipe using the provided M4 x 8mm allen bolts.



20. Insert the HPS intake pipe into the throttle body coupler and secure the intake pipe to the intake bracket using a M6x12mm bolt and washer. Once the intake pipe is moved into the proper position, tighten down the T-bolt clamps and the intake bracket.



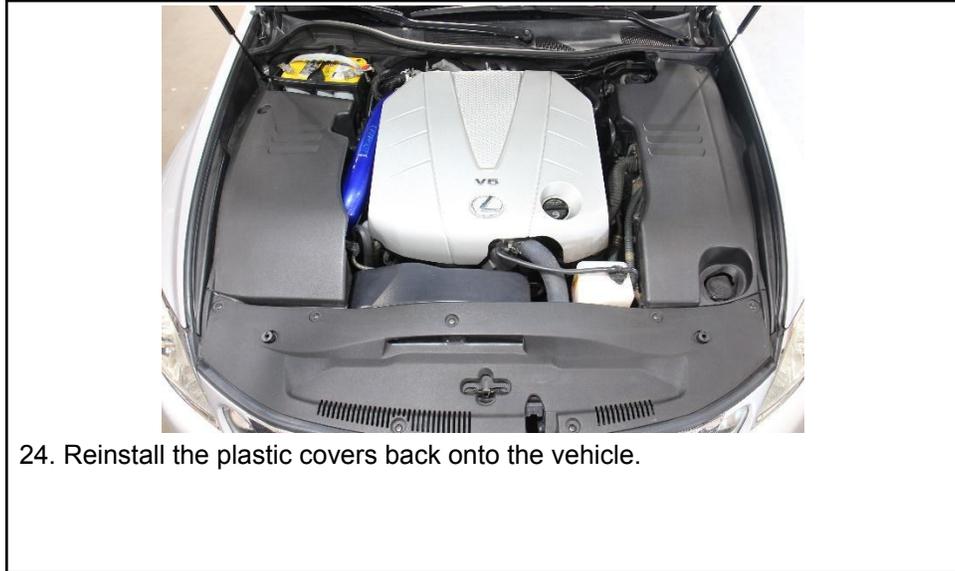
21. Reinstall the breather hose onto the intake pipe.



22. Reconnect the mass air flow sensor harness connector. Insert and secure the provided HPS performance air filter.



23. Reinstall the air duct back into the vehicle.



24. Reinstall the plastic covers 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.

