



Performance Shortram Air Intake Kit Part Number: 827-590

2001-2005 Lexus IS300 3.0L 2JZ-GE

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: 827-590

Description	Prep	Part Number	Qty	Check
Intake Pipe	1	529-321	1	
Heat Shield	2	531-323	1	
HPS Air Filter	3	HPS-4296	1	
Intake Bracket	4	530-322	1	
Solenoid Bracket	4	530-92	1	
Heat Shield Bracket	4	530-426	1	
T-Bolt Clamps for 2.75" Hose	4	SSTC-73-81	2	
Worm Gear Clamps for 4" Hose	4	EMSC-90-110	2	
2.75" Silicone Coupler	4	P3SC-275-L25	1	
4" Silicone Coupler	4	P3SC-400	1	
7mm Vacuum Hose, 9" Long	4	HTSVH7	1	
7mm Vacuum Hose, 14" Long	4	HTSVH7	1	
4mm Allen Bolts 10mm long	4	HW-B4-10	2	
6mm Bolt 12mm long	4	HW-B6-12	3	
6mm Flange Nut	4	HW-N6	4	
6mm Flat Washer 16mm OD	4	HW-FW6L	6	
8mm Flange Nut	4	HW-N8	1	
8mm Flat Washer 24mm OD	4	HW-FW8L	1	
Rubber Vibration Mount 6mm 1/2" Tall	4	HW-RM6-50	1	
Rubber Vibration Mount 6mm 1" Tall	4	HW-RM6-100	1	
Rubber Vibration Mount 8mm 1" Tall	4	HW-RM8-100	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 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 well versed in the installation of intakes and 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 misuse of this product.

GETTING STARTED

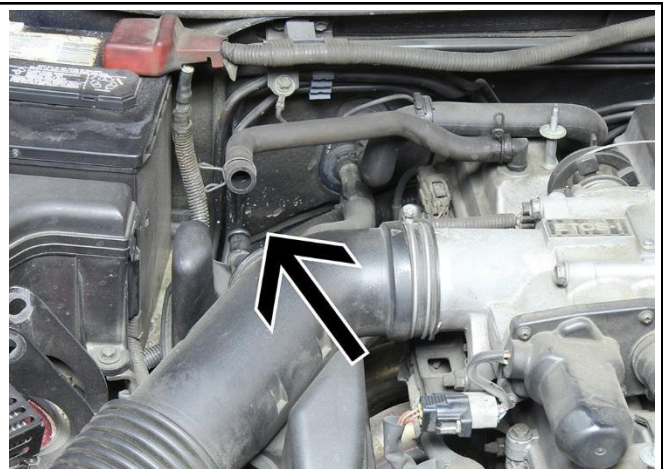
1. Turn the ignition OFF and disconnect the vehicle's negative battery cable. If the engine has run within the past two hours let it cool down.



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 vehicle's anti-theft code. We also highly recommend NOT discarding any stock parts after the installation.



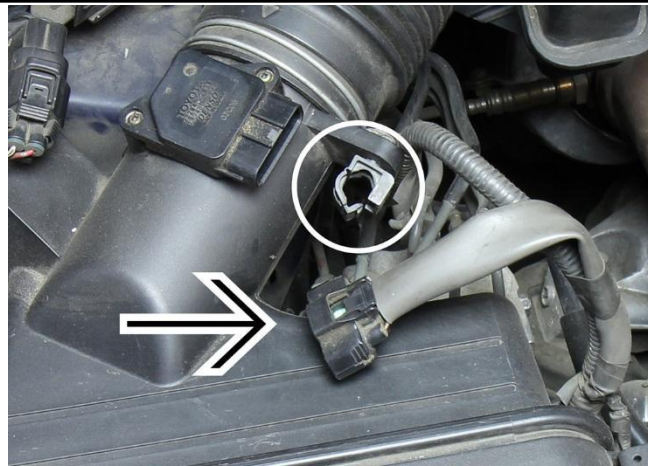
2. Remove the 4 bolts on the engine cover, then remove the engine cover.



3. Disconnect the breather hose from the air intake tube.



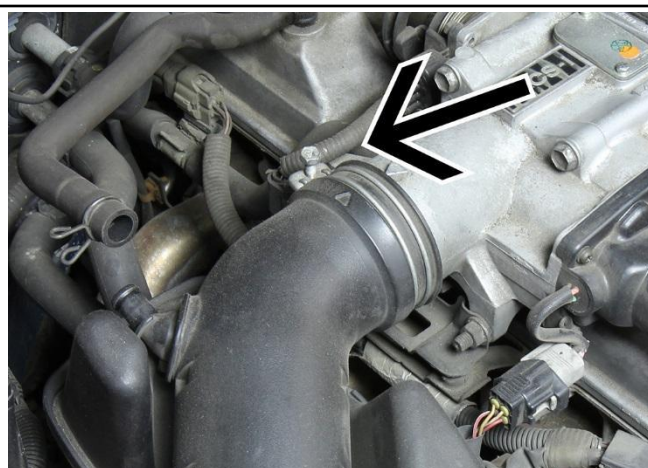
4. Use a 10mm socket to remove the stock air duct.



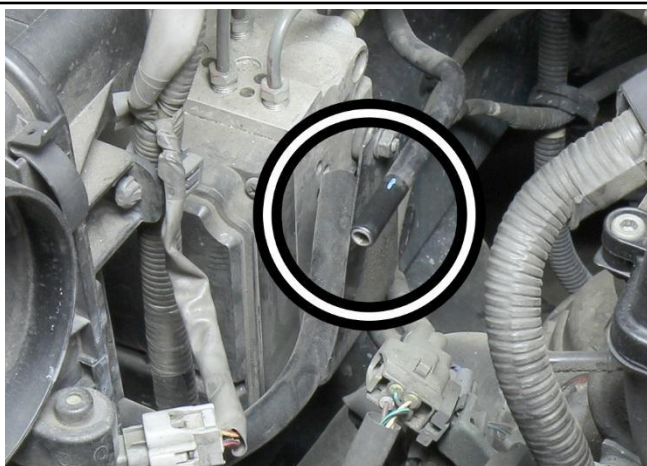
5. Unplug the harness from the MAF sensor and unclip the electrical loom from the plastic clip on the air box.



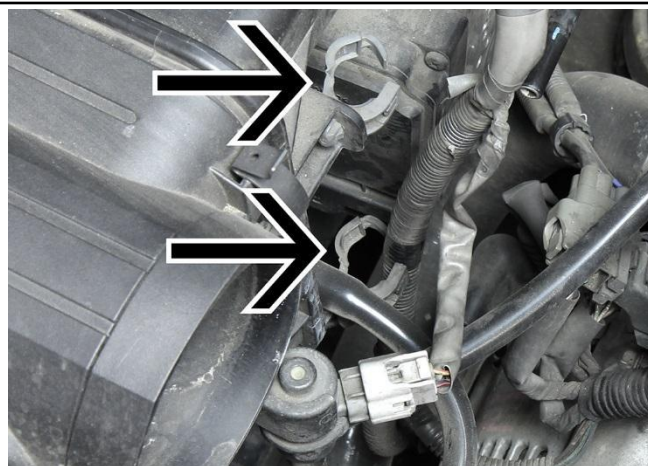
6. Remove the 3 bolts that secure the air box to the chassis.



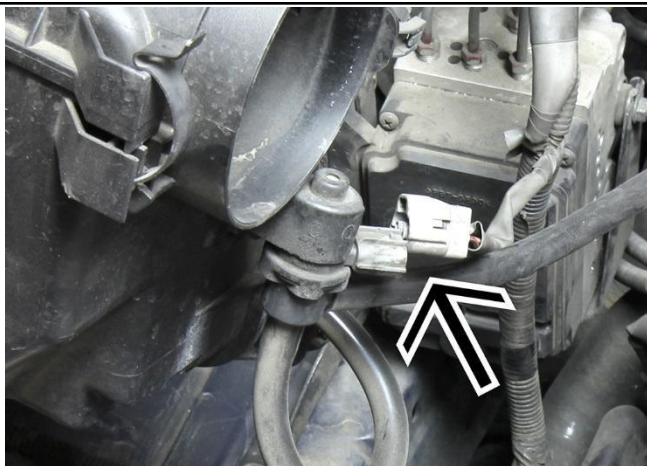
7. Loosen the clamp on the throttle body.



8. Disconnect the vacuum hose from the EVAP tube as indicated.



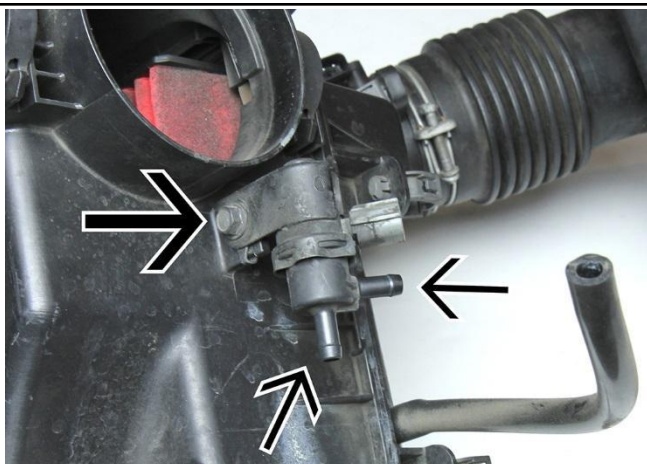
9. Unclip the wire harness at the 2 brackets on the air box.



10. Unplug the harness from the EVAP solenoid.



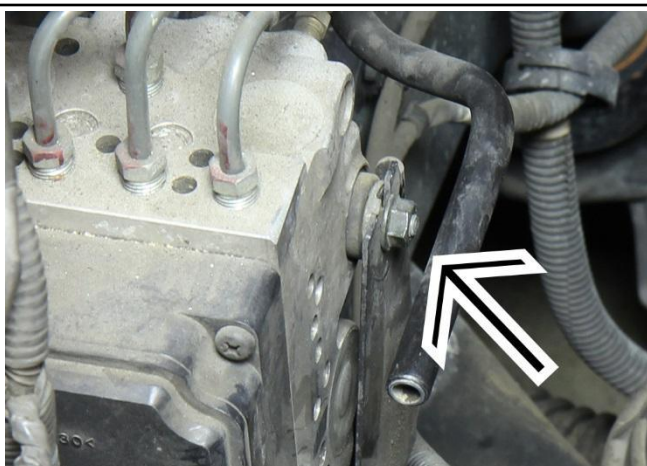
11. Remove the stock air intake assembly from the engine bay.



12. Disconnect the vacuum hoses from the EVAP solenoid, then use a 10mm socket to remove the EVAP solenoid from the air box.



13. Mount the bracket onto the EVAP solenoid.



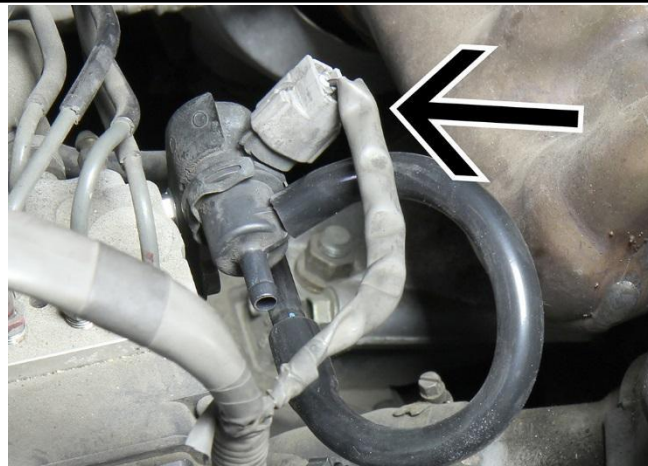
14. Remove the nut indicated on the ABS module using a 10mm socket.



15. Install the EVAP solenoid onto the ABS module and secure it using the nut removed from the previous step.



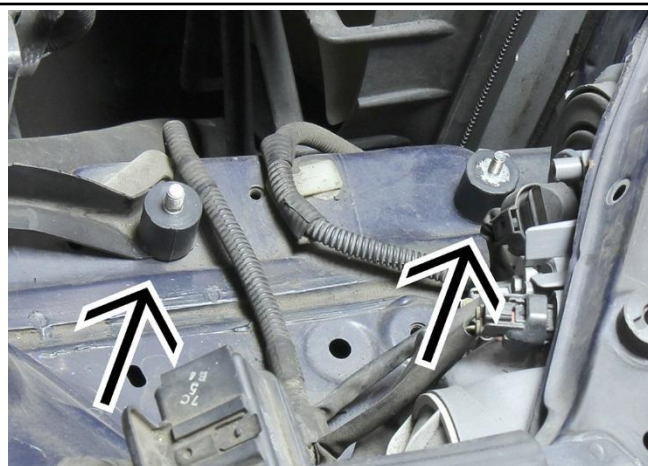
16. Install the 9" long vacuum hose included in the hardware kit onto the EVAP tube and the EVAP solenoid as shown.



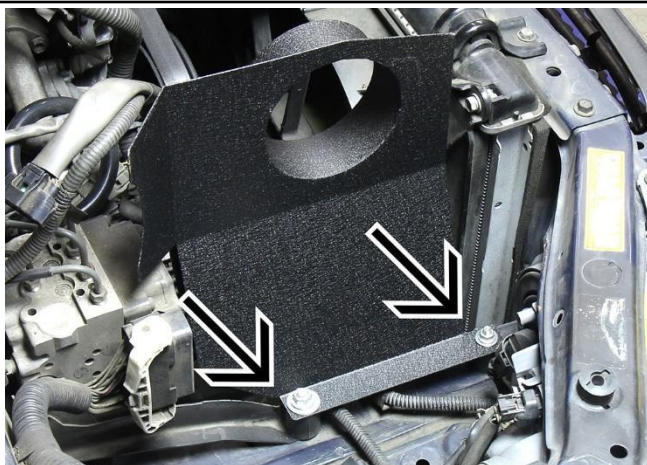
17. Re-connect the electrical connector onto the EVAP solenoid.



18. Remove the bolt securing the ABS module to the chassis using a 12mm socket.



19. Install the M8 and M6 1" tall rubber mounts onto the chassis as shown.



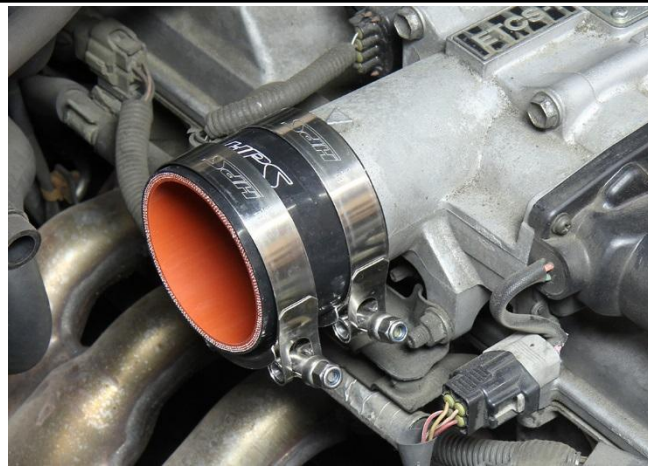
20. Install the heat shield onto the rubber mounts and secure using M6 and M8 washer and nuts.



21. Slide on the 4" coupler and hose clamps onto the heat shield.



22. Slip on the factory air duct onto the 4" coupler, then secure it using the factory bolt. Tighten the hose clamps.



23. Install the small silicone coupler onto the throttle body with the T-bolt clamps as shown.



24. Remove the MAF sensor from the factory air box.



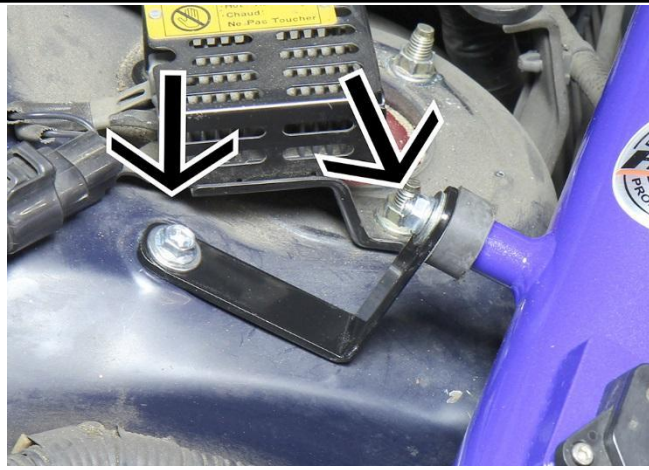
25. Install the MAF sensor onto the HPS air intake pipe using the M4 Bolts included in the hardware kit.



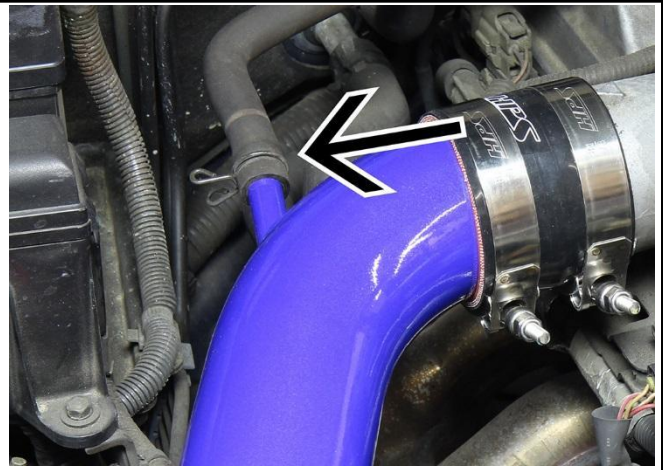
26. Install the HPS air filter onto the air intake pipe then connect the intake pipe to the throttle body. Do not tighten the clamp to the pipe yet.



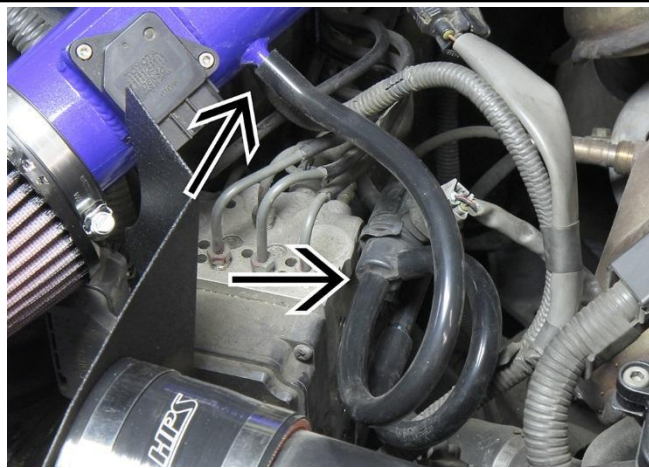
27. Install the short rubber mount onto the threaded bung on the intake pipe.



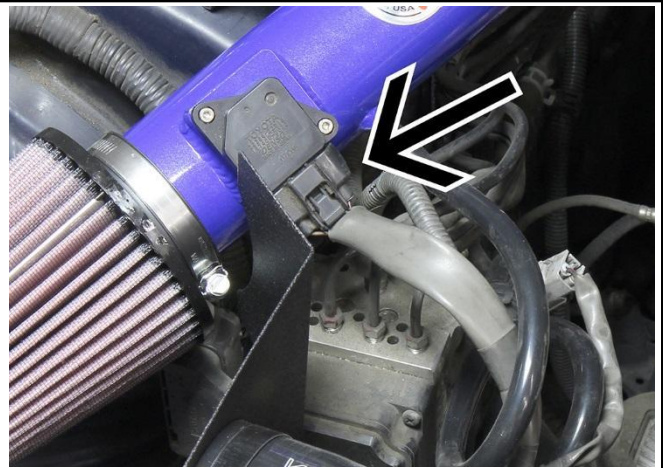
28. Install the intake bracket using a M6 bolt and washer on the chassis side, then secure it to the rubber mount using a M6 nut and washer.



29. Secure the T-bolt clamp onto the intake pipe and install the factory breather hose onto the intake pipe.



30. Use the 14" long vacuum hose to connect the EVAP solenoid to the intake pipe.



31. Re-connect the electrical harness onto the MAF sensor.

Final Steps

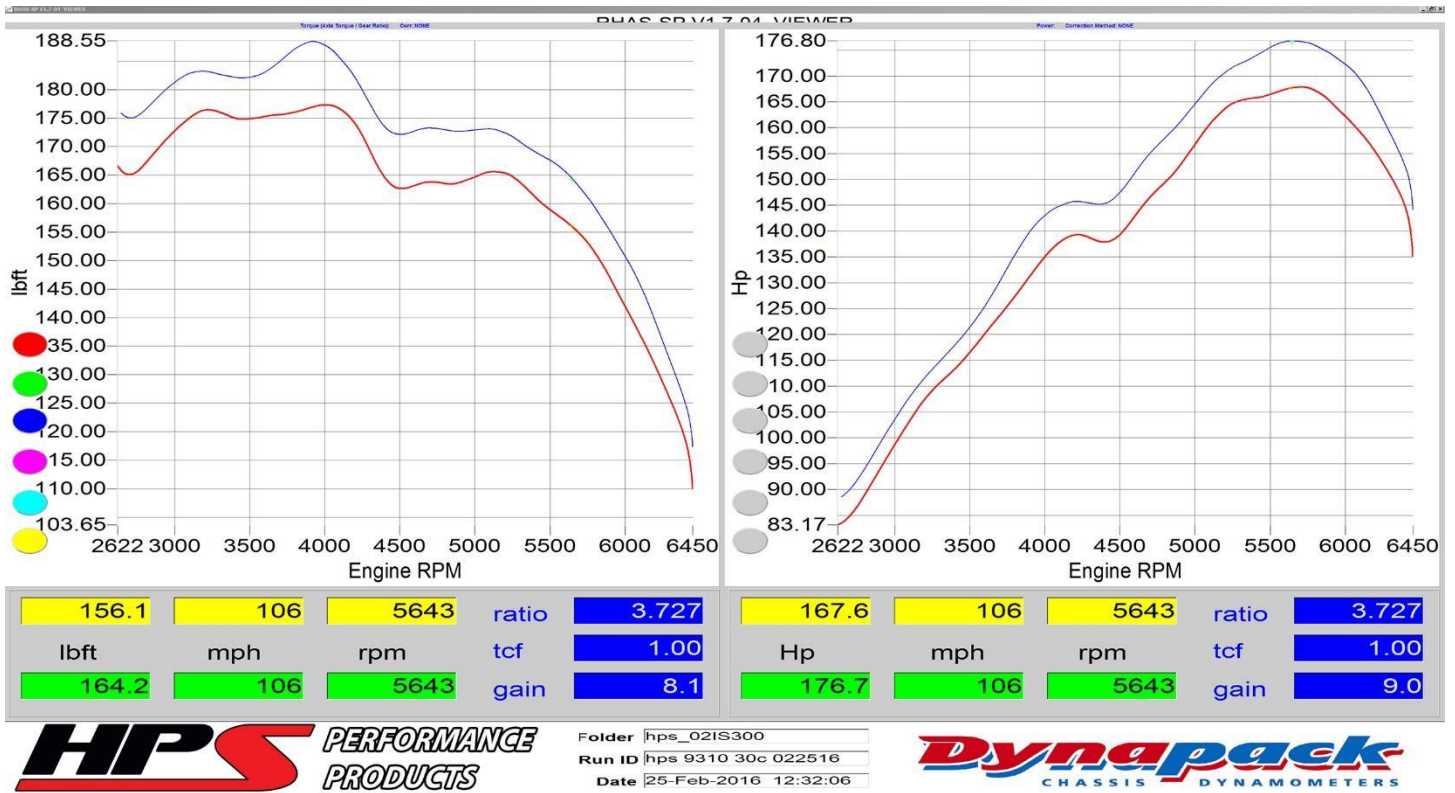
Re-install the engine cover using the factory bolts.

Once the intake has been positioned, tighten 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 the vehicle. 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 Silicone Radiator + Heater Hose Kit (Black/Blue/Red) with Stainless Steel Clamps
is now available for 2001-2005 Lexus IS300!**



Part Number: 57-1641 - MSRP: \$195

**Contact an authorized HPS Performance Products dealer or visit us at
www.hpsperformanceproducts.com for more details**