



Performance Shortram Air Intake Kit Part Number: 827-596

Lexus 1996-1997 SC400 4.0L V8

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: 827-596

Description	Prep	Part Number	Qty
Intake Pipe		529-332	1
Heat shield bracket "L"		531-334	1
3" HPS Air Filter		HPS-4297	1
Heat shield bracket "L"		530-333	1
3.00"- 3.12" 90 degree coupler, 1.5" legs		P3SER90-300-312-L15	1
3.00"-3.25" reducer, 3 ply 3" Length		P3SR-300-325-L3	1
T-bolt Clamp 86mm-94mm		SSTC-86-94	2
T-bolt Clamp 79mm-87mm		SSTC-79-87	2
6mm Bolt 16mm long		HW-B6-16	2
6mm Flat Washer 16mm OD		HW-FW6L	3
6mm Flange Nut		HW-N6	1
Edge Trim, Thin, 14" long		THIN EDGE TRIM	1
Clamp for 7mm Hose		FIC-11	2
7mm Vacuum Hose x 3 inch		HTSVH7	1
7mm Tee Fitting with 9mm Barb		USP-65942	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.
- DO NOT INSTALL IF ANY PARTS ARE MISSING OR DAMAGED. CONTACT 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

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.

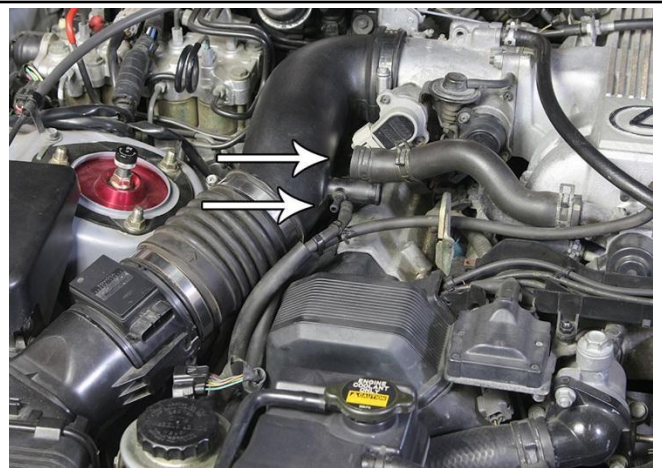
GETTING STARTED

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.

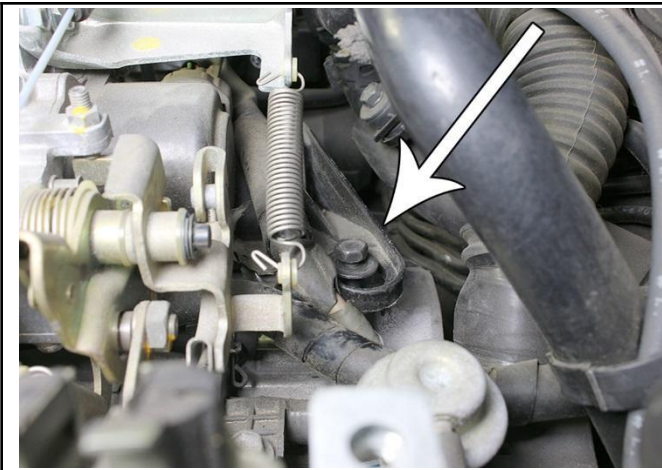
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



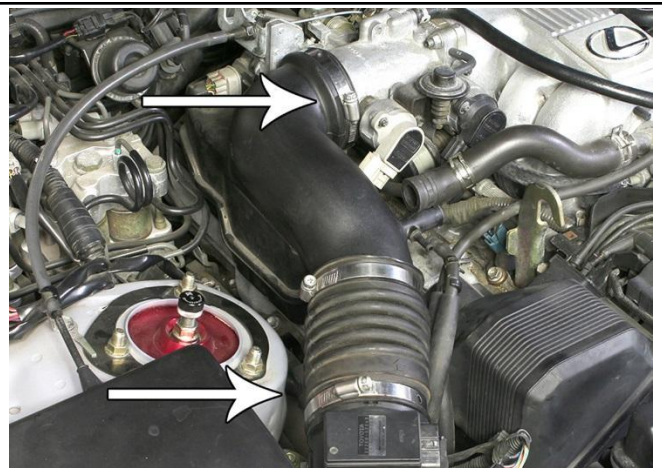
2. Unplug the air flow meter connector then unclip the harness from the plastic stay bracket.



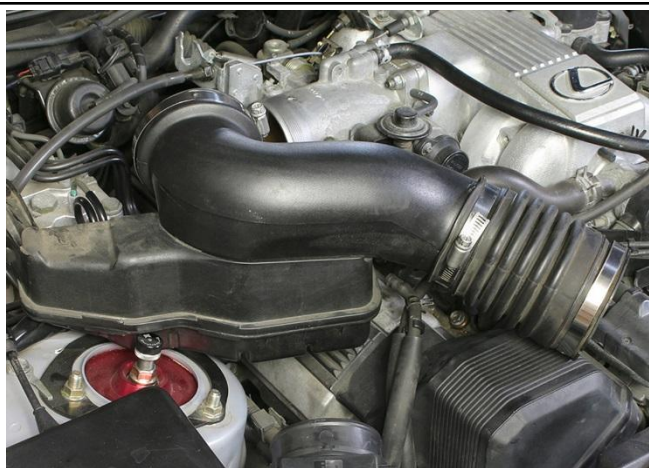
3. Disconnect the two hoses attached to the air intake tube.



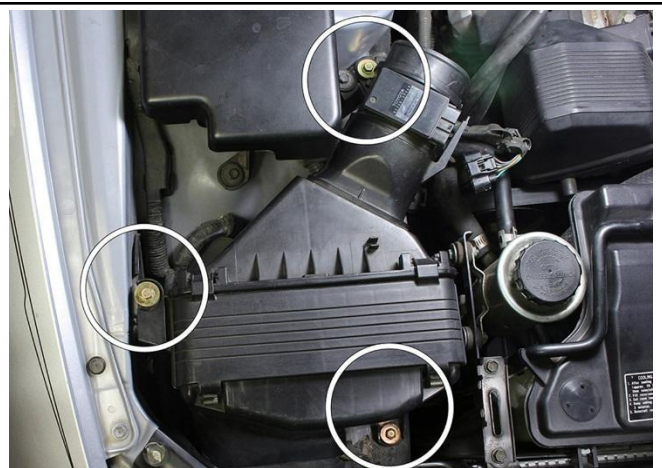
4. Locate and remove the bolt that secures the intake tube to the rear of the throttle body.



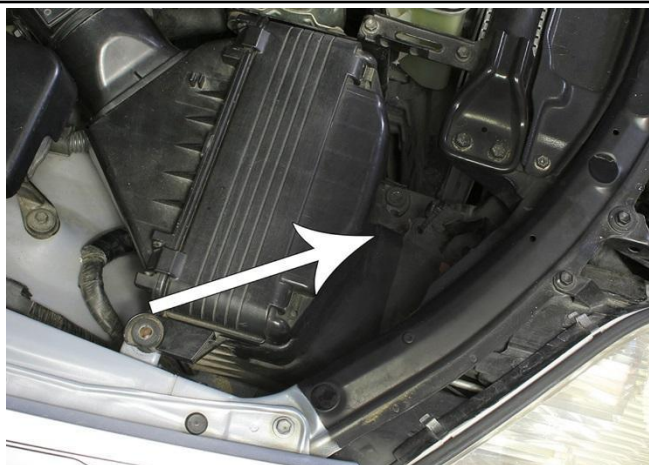
5. Loosen the hose clamps on the throttle body and air flow meter.



6. Disconnect and remove the air intake tube from the engine bay.



7. Remove the bolts securing the air box to the chassis.



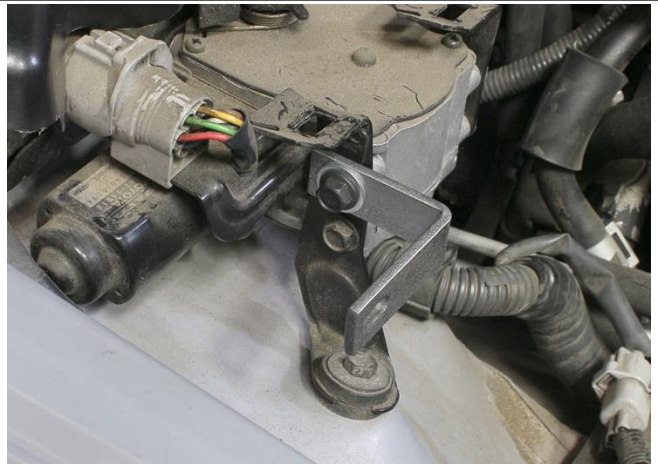
8. Unclip the air scoop from the air box.



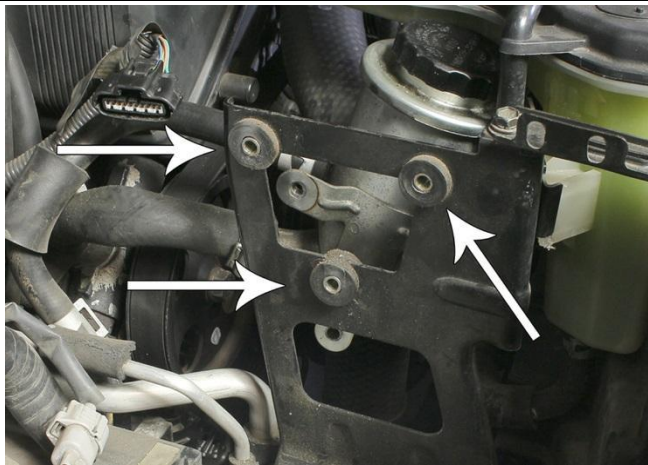
9. Remove the air box from the engine bay.



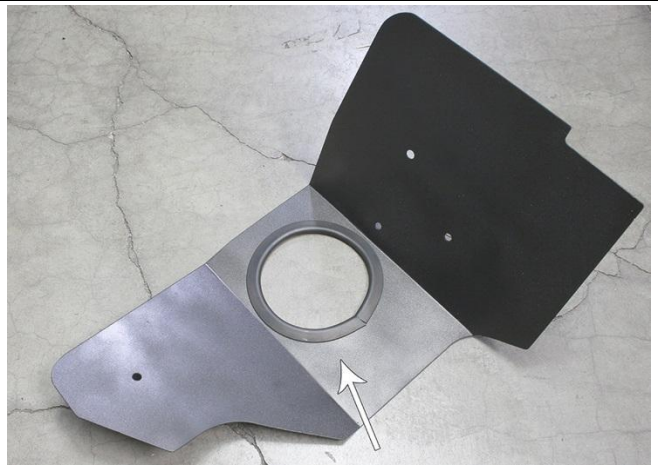
10. Carefully lift up on the plastic cover to expose the cruise control unit.



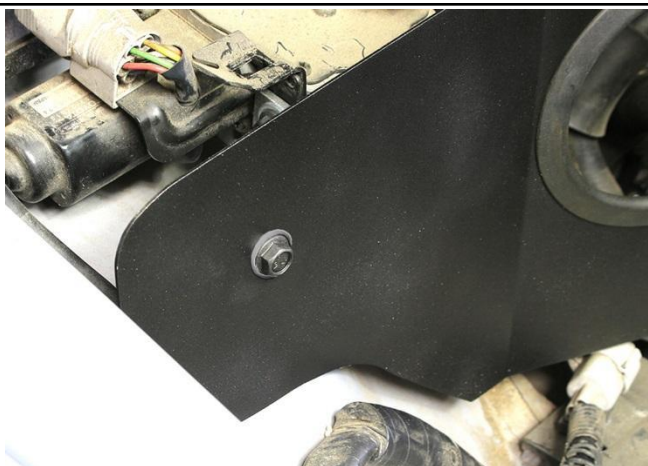
11. Remove the bolt indicated to install the heat shield bracket. Use a M6 washer and M6 bolt included in the hardware kit to secure it. Do not tighten it completely in order to allow easier installation of the heat shield.



12. Remove the 3 bolts from the power steering reservoir.



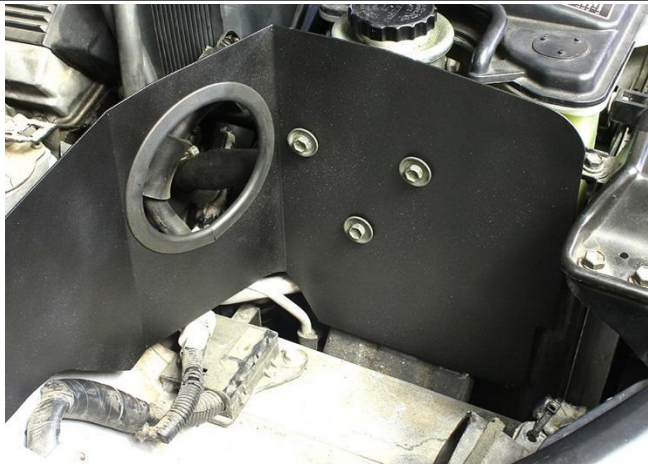
13. Prepare the heat shield for installation by installing the rubber edge trim in the large opening. Minor trimming may be required for a perfect fit.



14. Install one M6x16 bolt and washer, line it up with the bracket installed earlier.



15. Install a M6 washer and nut to the back side of bracket.



16. Install the heat shield by bolting in the 3 factory bolts to the power steering reservoir. Once the heat shield is fully in place, you may secure all the bolts and brackets.



17. Remove the bolt that secures the air flow meter from to the air box.



18. Once the air flow meter is removed, remove the rubber gasket from it.



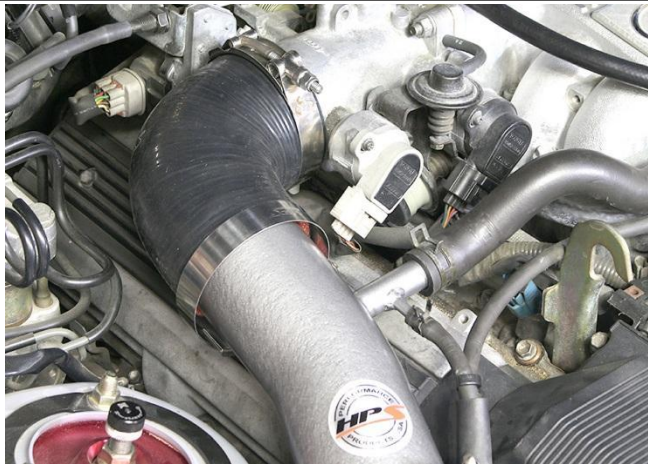
19. Install the silicone reducer onto the air flow meter and secure it using a T-bolt clamp as shown.



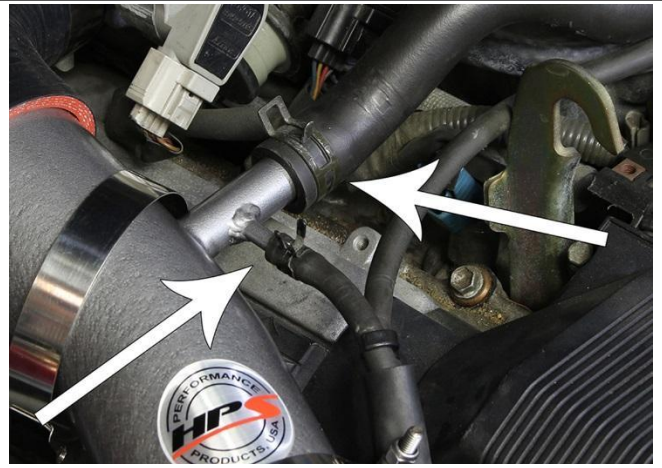
20. Connect the HPS intake pipe to the air flow meter. Do not tighten the clamp to the pipe as you may need to reposition the pipe.



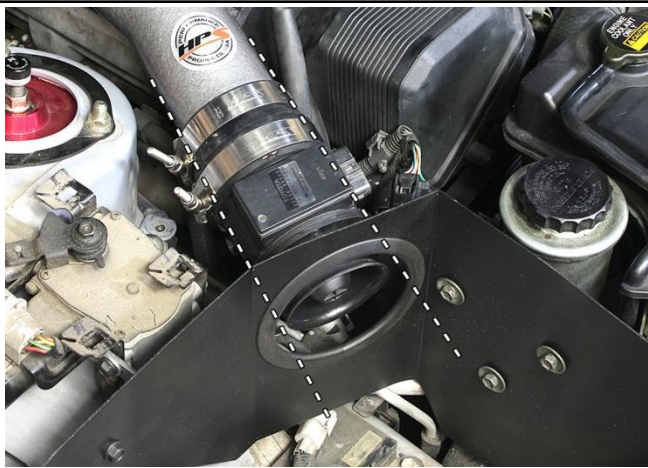
21. Insert the opposite end of the HPS intake pipe into the 90 degree silicone elbow.



22. Carefully install the assembled intake pipe onto the throttle body as shown.



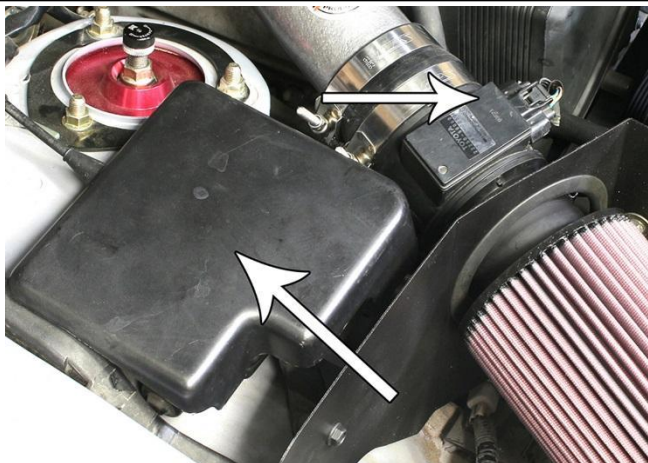
23. Connect the two factory hoses onto the HPS intake pipe as shown.



24. Position the intake pipe / air flow meter so it will line up to the opening on the heat shield.



25. Install the air filter and secure the clamp onto the air flow meter.



26. Re-connect the air flow meter harness. Reinstall the cover on the cruise control and secure the clamps on the intake pipe once it is positioned properly.

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Final Steps

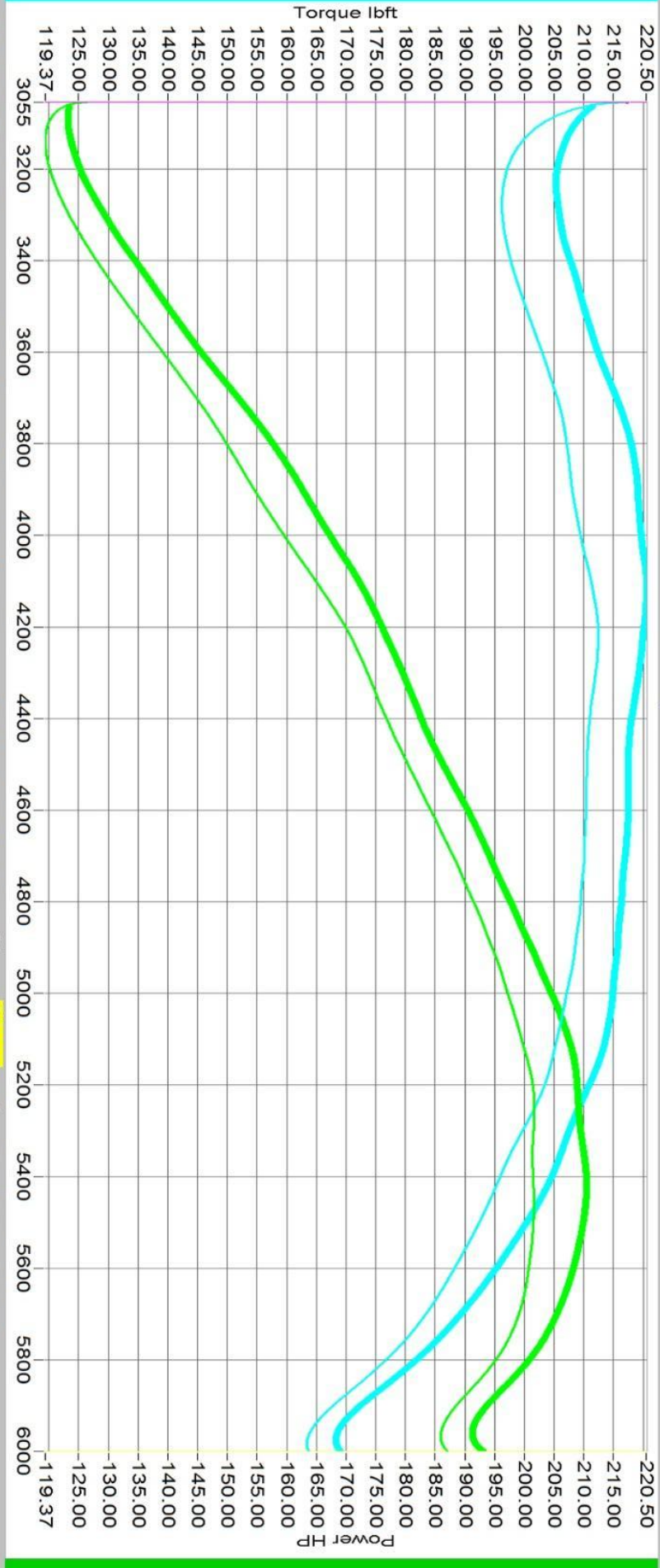
Once the intake has been positioned, tighten all of the clamps and secure all of the parts.

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 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.





Plot 1 (Thick) X Axis Y Axis (Left) Y Axis (Right) Show Ave. Show Data Cursor

Comparison AP 3 Eng rpm Torque Power

Folder: hps_96sc400

Run ID: 27-596

Date: 21-Jun-2016 15:11:50

Folder: hps_96sc400

Run ID: stock

Date: 21-Jun-2016 11:02:43

Source AP 2