



Performance Shortram Air Intake Kit Part Number: 827-502

Lexus 2011-2017 CT200h 1.8L

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

Part Number: 827-502

Description	Prep	Part Number	Qty	Check
Intake Pipe	1	529-34	1	
HPS Air Filter	2	HPS-4295	1	
T-Bolt Clamp 67mm-75mm	3	SSTC-67-75	2	
2 1/2" Hump Coupler x 2 1/2" Long	3	P3SHC-250-L25	1	
Short Ram Intake Bracket	3	530-32	1	
Coolant Hose Bracket	3	530-33	1	
Allen Head Bolt 4mm x 8mm	3	HW-B4-8	2	
6mm Flat Washer, Large O.D.	3	HW-FW6L	2	
6mm Flange Bolt x 12mm Long	3	HW-B6-12	1	
8mm Flat Washer, Large O.D.	3	HW-FW8L	1	
8mm Flange Bolt x 12mm Long	3	HW-B8-12	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!

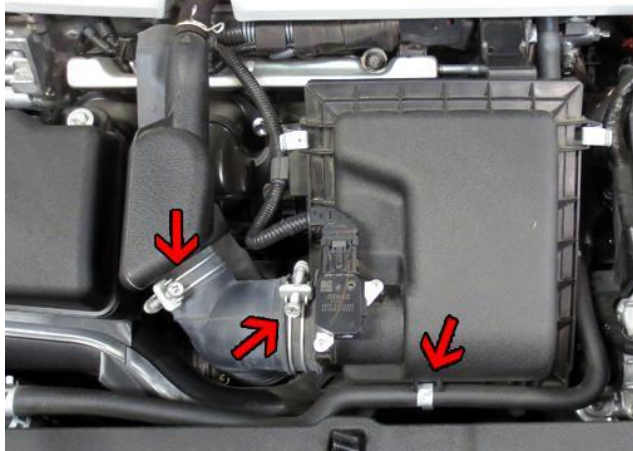
This installation is not for the novice customer. Install this system with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a tuner shop install this kit.

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

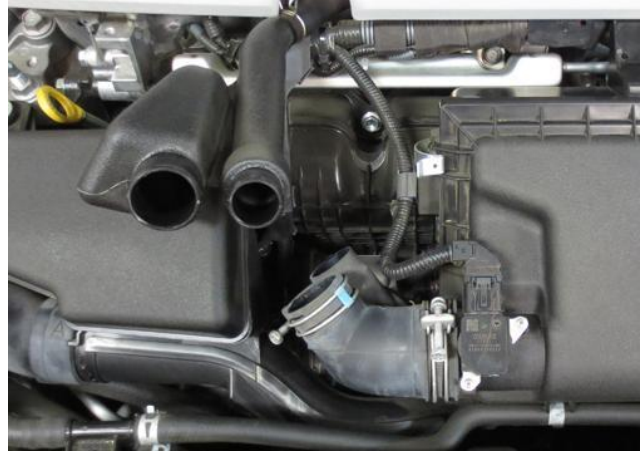
GETTING STARTED

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.

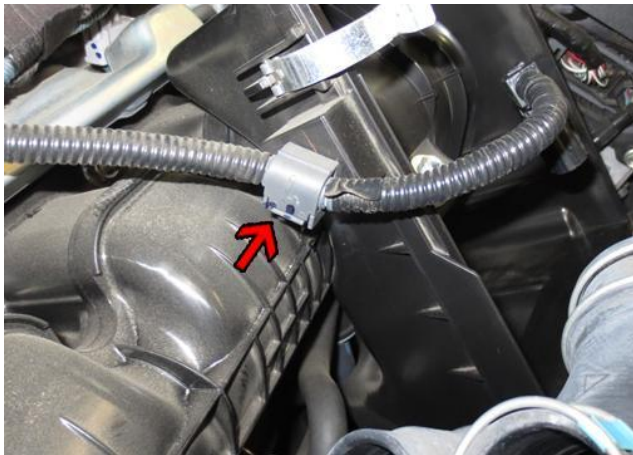
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is re-connected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicle's 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.



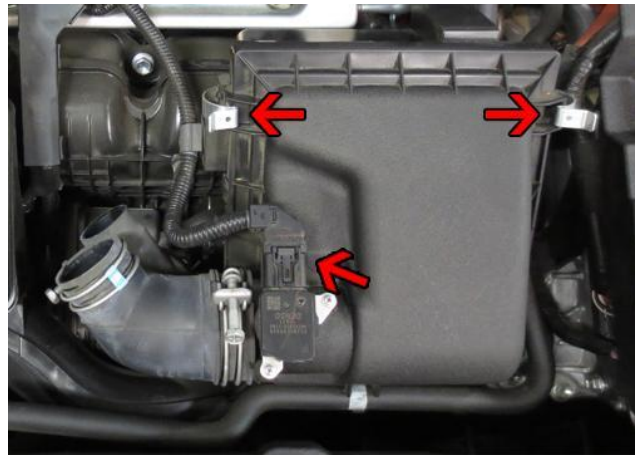
2. Loosen the two hose clamps on the air inlet tube with a Phillips-head (cross) screwdriver or 10mm socket. Remove the coolant hose that is attached to the front of the air box.



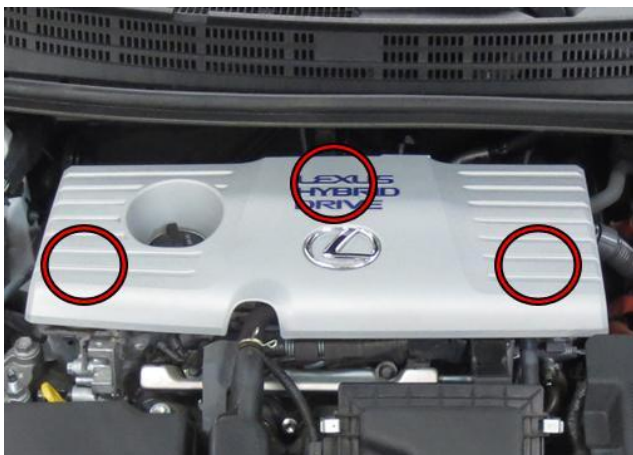
3. Once the clamp has been loosened, remove the air resonator from the air inlet hose.



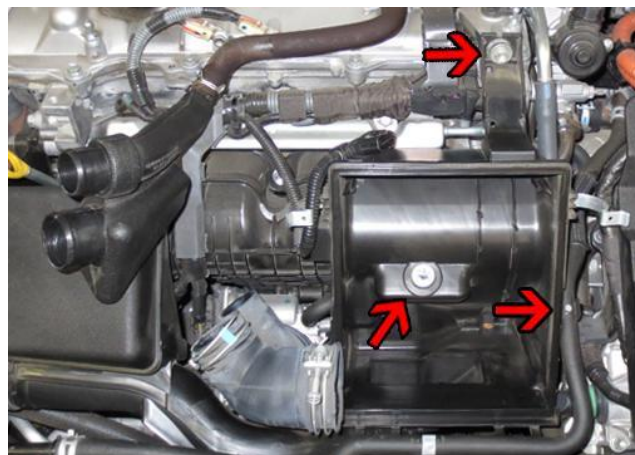
4. Unclip the harness located on the side of the air box using a flat-head (blade) screwdriver.



5. Unclip the sensor harness from the mass air flow (MAF) sensor. Unbuckle the two clips on the top to remove the upper half of the airbox.



6. Remove the engine cover. Pull the cover straight up by hand at the three circled areas.



7. Lift off the coolant hose from the right side of the lower airbox. Remove the two bolts to remove the lower portion of the airbox.



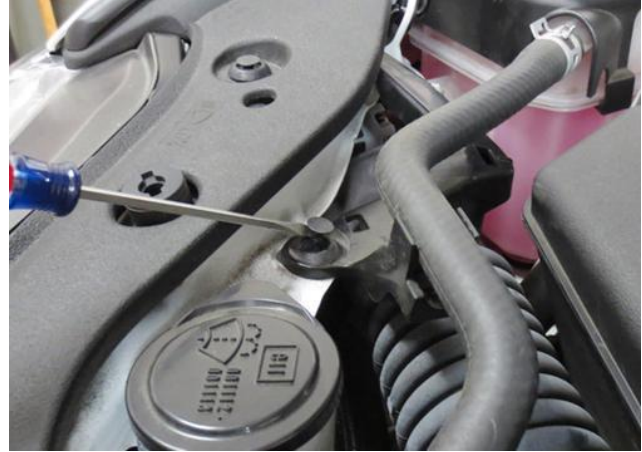
8. Use long needle-nosed pliers to loosen the spring clamp and remove the factory air inlet hose.



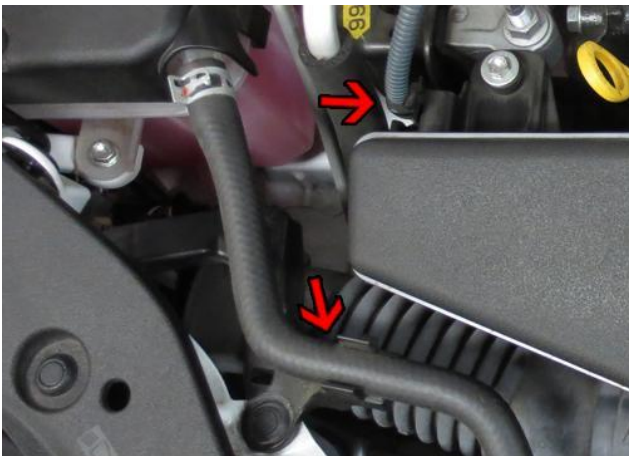
9. Use a flat-head (blade) screwdriver to remove the plastic push clip on the plastic panel above the passenger side headlight.



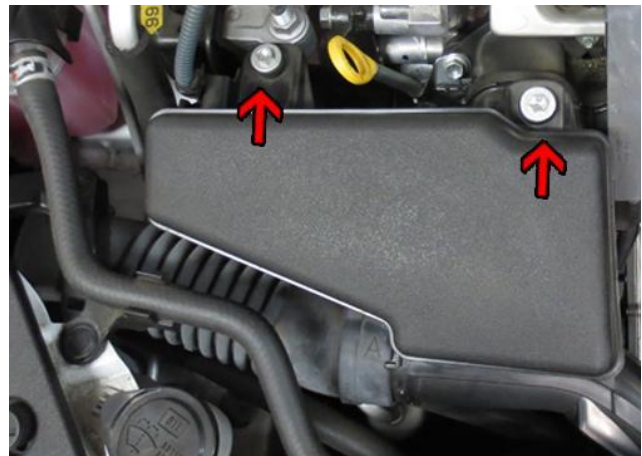
10. Lift up the plastic panel from the corner and remove the clip illustrated in the image.



11. Remove the plastic push clip left of the washer reservoir.



12. Unclip the coolant hose from the bracket. Unclip the wire loom from the sound resonator box.



13. Unbolt the sound resonator box with a 10mm socket. At this point, you can remove the sound resonator box from the engine bay.



14. Install the bracket included in the hardware packet of your new intake using the M8 bolt along with a 8mm flat washer.



15. Remove the MAF sensor with a small phillips screwdriver and install the sensor onto the new intake pipe with the included allen head screws.



16. Remove the plastic portion of the breather tube from the hose and reinstall the hose onto the engine.



17. Press the 2 1/2" coupler onto the throttle body with the T-bolt clamps. Then install the intake pipe onto the coupler. Reuse the breather hose and attach it to the pipe. Use a 6mm flat washer and M6 bolt to install the intake bracket located on the underside of the pipe.



18. Install the air filter to the end of the intake pipe and tighten it down with a flat-head (blade) screwdriver. Plug in the MAF sensor plug.



19. Remove the M6 bolt indicated in the image.



20. Install the coolant hose bracket with a 6mm washer and factory bolt. Once bolted up, set the hose on the bracket.

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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, and let the car idle for about 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles, 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 Hose Kit (Black/Blue/Red) with Stainless Steel Clamps is now available for Lexus 2011-2013 CT200h 1.8L , Toyota 2010-2013 Prius 1.8L!

Part Number: 57-1269 - MSRP: \$120.00

Contact our authorized dealers for the best pricing

or

Visit our website at www.hpsperformanceproducts.com for more details