



# **Performance Shortram Air Intake Kit**

## **Part Number: 827-630**

**2012-2017 Toyota Tundra 5.7L V8**

## **Installation Instructions**

For technical inquiries please email us at [tech@hpsperformanceproducts.com](mailto: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 at 866-576-2832 for tech support  
Our tech support hours are Monday-Friday, 9:00am-5:00pm Pacific Time.

# Bill of Materials

## Kit Number: 827-630

| Description                                              | Prep | Part Number         | Qty | Check |
|----------------------------------------------------------|------|---------------------|-----|-------|
| Air Intake Pipe                                          | 1    | 529-407             | 1   |       |
|                                                          |      |                     |     |       |
| Heat-Shield                                              | 2    | 531-410             | 1   |       |
|                                                          |      |                     |     |       |
| Bracket #1                                               | 3    | 530-408             | 1   |       |
| Bracket #2                                               | 3    | 530-409             | 1   |       |
|                                                          |      |                     |     |       |
| HPS Air Filter                                           | 4    | HPS-4304            |     |       |
|                                                          |      |                     |     |       |
| 3.50"- 4.00" Reducer Coupler x 3" Length                 | 5    | P3SR-350-400-L3     | 1   |       |
| 4.00"- 4.25" Reducer Coupler x 2.50" Length              | 5    | P3SR-400-425-L25    | 1   |       |
| T-Bolt Clamp for 4.25"                                   | 5    | SSTC-114-122        | 1   |       |
| T-Bolt Clamp for 4.00"                                   | 5    | SSTC-108-116        | 2   |       |
| T-Bolt Clamp for 3.50"                                   | 5    | SSTC-95-103         | 1   |       |
| Clamp for 14mm Hose                                      | 5    | EMSC-12-22          | 1   |       |
| 6mm Flange Bolt x 12mm Length                            | 5    | HW-B6-12            | 3   |       |
| 6mm Flange Bolt x 16mm Length                            | 5    | HW-B6-16            | 1   |       |
| M6 Flange Nut                                            | 5    | HW-N6               | 6   |       |
| M6 Flat Washer x 16mm OD                                 | 5    | HW-FW6L             | 7   |       |
| 4mm Allen bolt x 8mm Length                              | 5    | HW-B4-8             | 2   |       |
| Rubber Vibration Mount 6mm x 1/2" Tall                   | 5    | HW-RM6-50           | 2   |       |
| Rubber Vibration Mount 6mm x 3/4" Tall<br>Male to Female | 5    | HW-RM6-075-MF       | 1   |       |
| Velocity Stack                                           | 5    | VS400-600           | 1   |       |
| Edge Trim with Bulb x 6 feet                             | 5    | Edge Trim with Bulb | 1   |       |
| 14mm EPDM Hose, 24" Length                               | 5    | EPDM-055            | 1   |       |
|                                                          |      |                     |     |       |

- Report any defective or missing parts to HPS directly. The authorized HPS dealer you purchased this product from might not have the correct parts you need.
- Before installing any parts of this system, please read the instructions thoroughly.
- Installation DOES require some mechanical skills. A qualified mechanic is always recommended.
- Do not attempt to install the intake system while the engine is hot.
- The installation may require removal of radiator fluid lines that may be hot.
- For technical inquiries, please e-mail us at [tech@hpsperformanceproducts.com](mailto: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.***

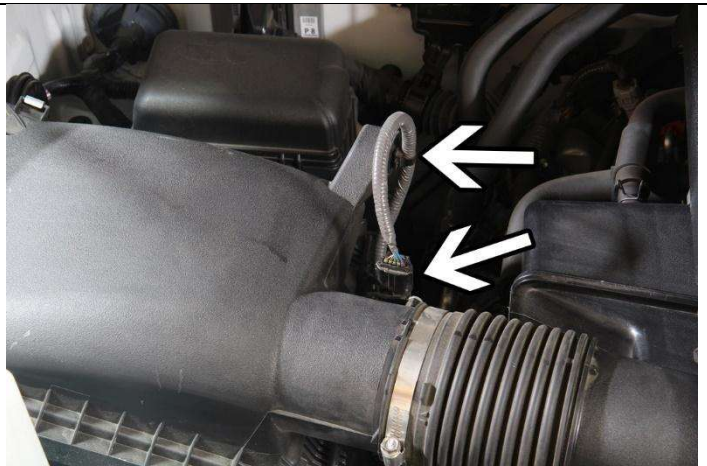
## **GETTING STARTED**

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.

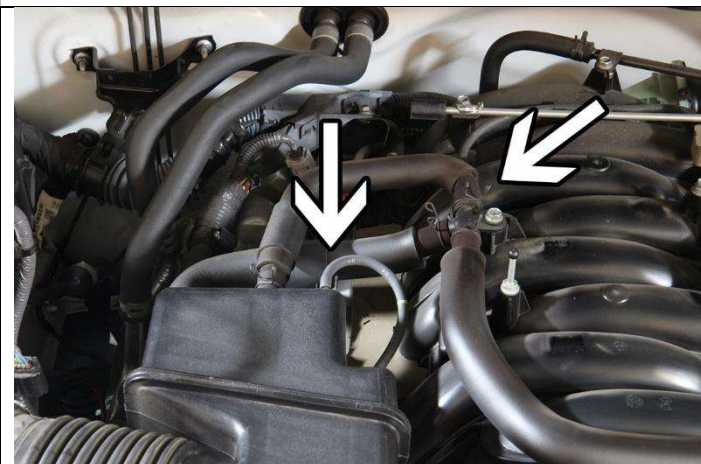
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



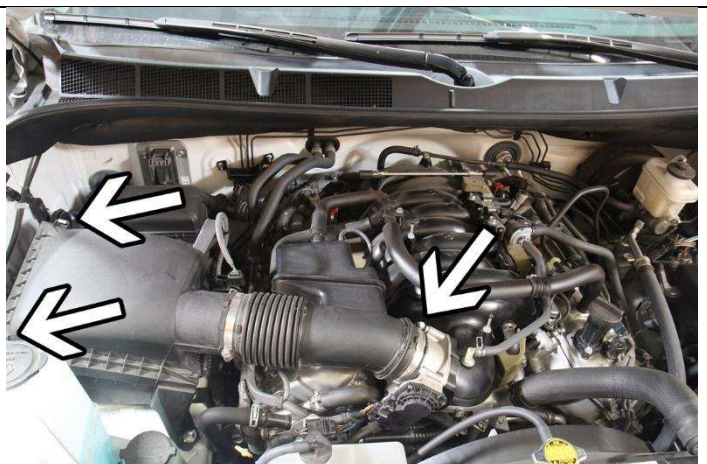
2. Lift firmly and remove the engine cover from the vehicle.



3. Disconnect the Mass Air Flow connector from the sensor and remove the harness from the air box.



4. Disconnect the breather hose from the breather tee. Disconnect the vacuum line from the resonator chamber located at the back of the factory air intake tube.



5. Unbuckle the air cleaner lid from the lower air cleaner assembly, then loosen the hose clamp located on the throttle body.



6. Remove the air cleaner lid and stock air intake tube from the engine bay.



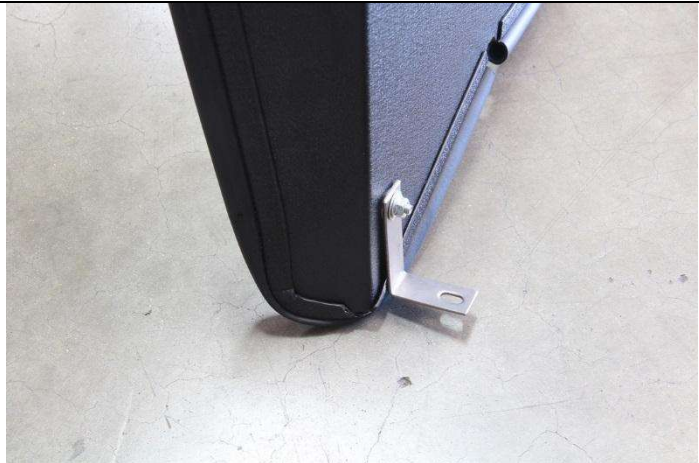
7. Loosen and remove the two bolts indicated on the lower air cleaner assembly. Once loosened, remove the lower air cleaner assembly from the engine bay.



8. Install the supplied 14mm hose onto the breather tee located on the intake manifold.



9. Install the bracket shown onto the heat shield using the M6 hardware supplied.



10. Install the L shaped bracket shown onto the heat shield using the M6 hardware supplied.



11. Install a M6 male-to-male rubber vibration mount onto the factory lower air cleaner assembly mounting holes. Install the heat shield onto the rubber vibration mounts and secure them using an M6 washer and nut.



12. Loosely install the 4"-4.25" reducer onto the long side of the intake pipe. Install the 3.5"-4" reducer onto the throttle body with their corresponding T-bolt clamps.



13. Slip the venturi adapter into the opening on the heat shield.



14. Secure the venturi adapter using an M6 washer and bolt on each bolt hole. Secure the pipe once you are happy with the position.



15. Transfer the MAF sensor onto the HPS intake pipe and secure it using the M4 allen screws provided. Connect the electrical harness back onto the MAF sensor.



16. Connect the breather hose and vacuum hose onto the HPS intake pipe. Secure the breather hose using the provided clamp.



18. Install the air filter onto the venturi adapter.



18. Remove the mounting stud from the intake manifold.



19. Install the male-to-female rubber vibration mount onto the hole that the mounting stud came from.



20. Re-install the mounting stud onto the male-to-female rubber vibration mount.



21. Reinstall the engine vanity cover.

**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.