



# Performance Shortram Air Intake Kit Part Number: 827-708

## 2020-2022 Toyota Corolla 1.8L 2ZR-FAE

### 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 via 626-747-9200 for tech support Monday-Friday, 9:00am-5:00pm Pacific Time.

# Bill of Materials

## Kit Number: 827-708

| Description                      | Prep | Part Number         | Qty | Check |
|----------------------------------|------|---------------------|-----|-------|
| Air Intake Pipe                  | 1    | 529-411             | 1   |       |
|                                  |      |                     |     |       |
| Heat-Shield                      | 2    | 531-896             | 1   |       |
|                                  |      |                     |     |       |
|                                  |      |                     |     |       |
| Bracket #1                       | 3    | 530-412             | 1   |       |
| Bracket #2                       | 3    | 530-443             | 1   |       |
|                                  |      |                     |     |       |
| HPS Air Filter                   | 4    | HPS-4274            | 1   |       |
|                                  |      |                     |     |       |
| T-Bolt Clamp for 2.50" Hose      | 5    | SSTC-67-75          | 2   |       |
| 2.50" Coupler x 2.50" Long       | 5    | P3SC-250-L25        | 1   |       |
| M4 Allen Bolts x 10mm long       | 5    | HW-B4-10            | 2   |       |
| M6 Bolt x 16mm long              | 5    | HW-B6-16            | 1   |       |
| M6 Bolt x 25mm long              | 5    | HW-B6-25            | 2   |       |
| M6 Flange Nut                    | 5    | HW-N6               | 3   |       |
| M6 Flat Washer x 16mm OD         | 5    | HW-FW6L             | 6   |       |
| M6 spacer, 13mm OD, 5mm Thick    | 5    | 94669A165           | 1   |       |
| Edge Trim with Bulb x 36" Length | 5    | Edge Trim with Bulb | 1   |       |
| Edge Trim with Bulb x12" Length  | 5    | Edge Trim with Bulb | 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](mailto: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](mailto:tech@hpsperformanceproducts.com)**

## **PLEASE READ CAREFULLY BEFORE INSTALLATION!**

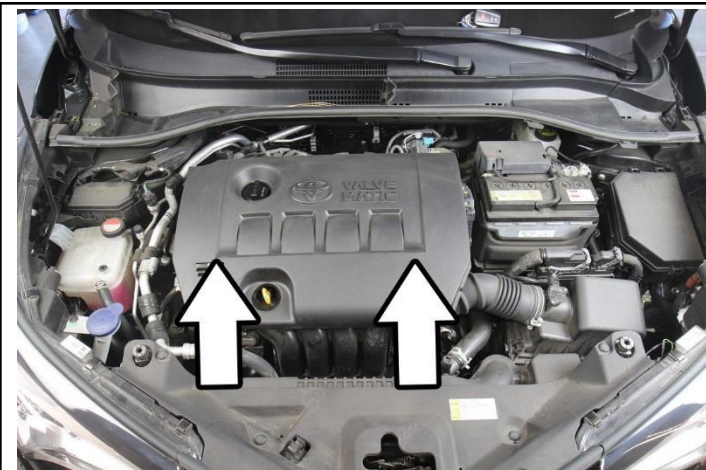
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

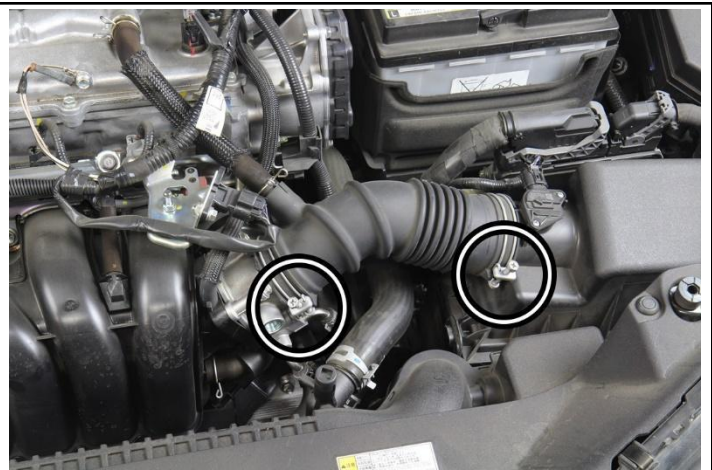
## **GETTING STARTED**

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



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



3. Loosen the hose clamps securing the intake tube from the air box and the throttle body.





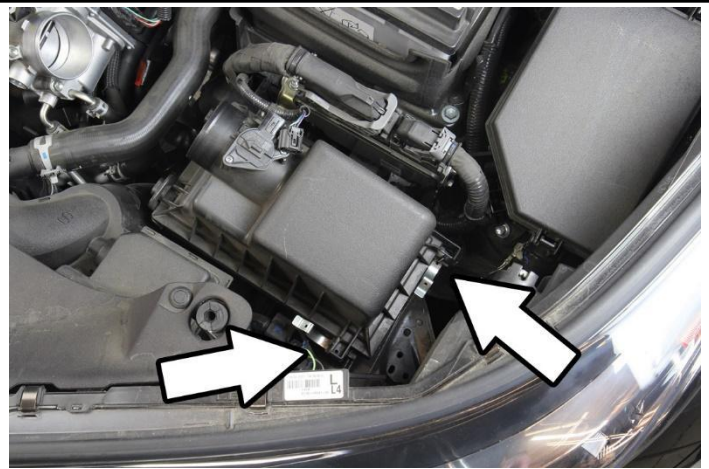
4. Depress the spring clamp and remove the breather hose from the intake tube.



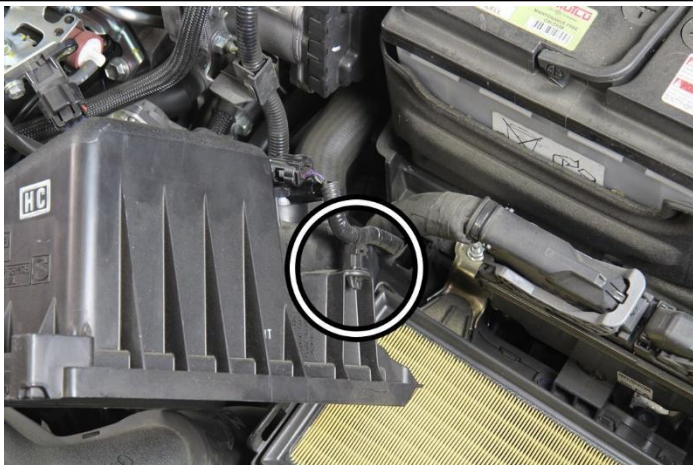
5. Remove the stock intake tube from the vehicle.



6. Disconnect the Mass Air Flow sensor connector from the MAF sensor.



7. Unclip the retaining clips securing the upper air box from the lower air box assembly.

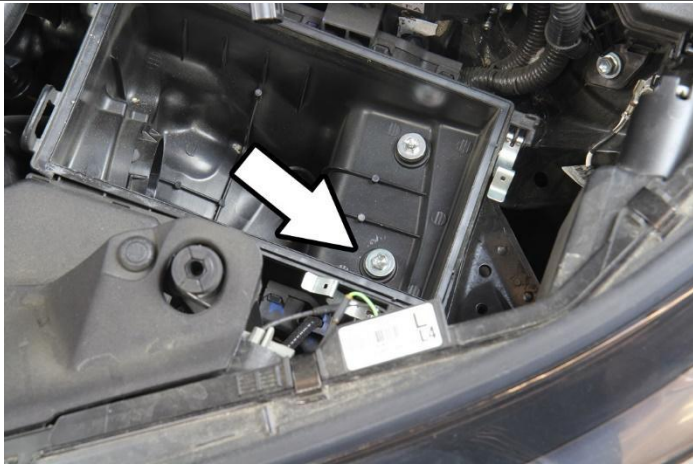


8. Unclip the MAF sensor electrical harness from the air box, then remove the air box and the stock air filter from the vehicle.



9. Insert the provided silicone coupler along with the t-bolt clamps onto the throttle body.





10. Remove the 10mm bolt securing the lower air box shown in the image above.



11. Install the "L" bracket onto the stock air box mount and secure the bracket re-using the bolt removed from the previous step.



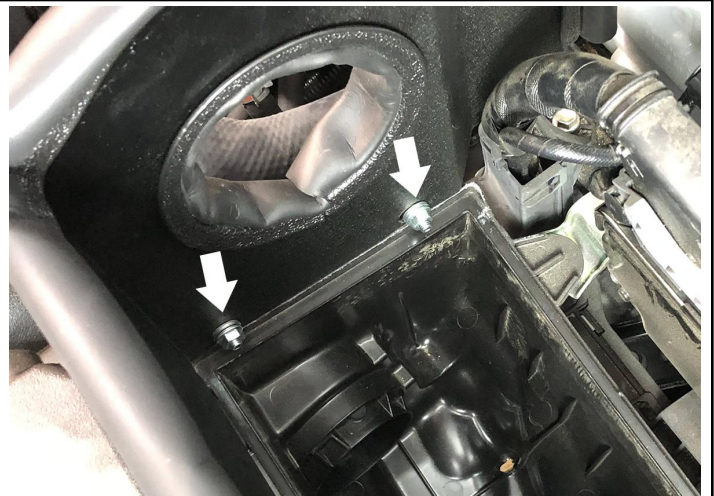
12. Install the provided bubble edge trims onto the heat-shield in the areas shown above.



13. Place the heat shield on top of the stock lower air box. Be sure that the heat shield sits to the right of the ears.

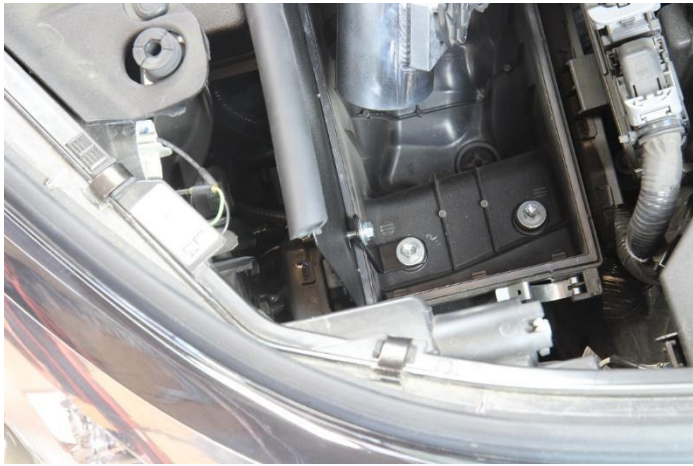


14. Place the flat bracket in front of the ears, then slide in the long bolts along with a washer through the hole.

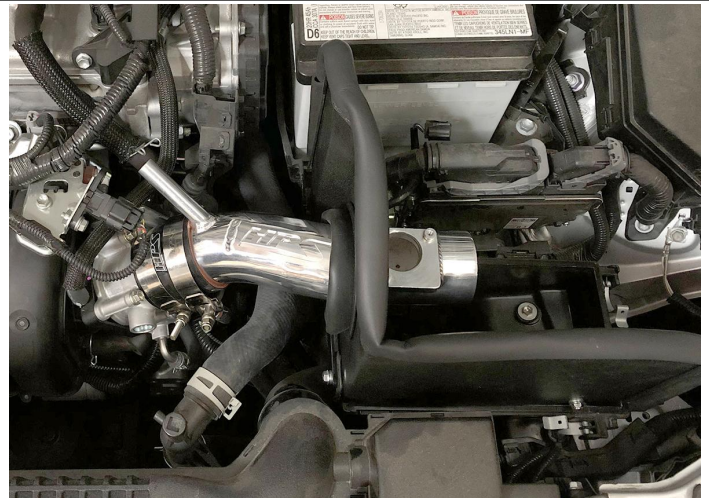


15. On the opposite side of the heat shield, install a nut and washer to secure the heat shield in place.





16. Locate the 6mm x 16 bolt, washer, nut, and spacer. Place the spacer between the bracket and the heat-shield and secure the bracket onto the heat-shield.



17. Insert the HPS intake pipe through the opening in the heat shield, then slide the pipe in onto the silicone coupler.



18. Transfer the MAF sensor from the stock air box onto the HPS intake pipe and secure it with the provided M4 screws. Reconnect the electrical connection.



19. Install and fasten the air filter onto the pipe.



20. Connect the breather hose onto the intake pipe then adjust the position of the pipe.



## 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.

