



## **Performance Air Intake Kit Part Number: 827-697**

**2020-2021 Toyota Supra 3.0L (A90)**

## **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: 827-697

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-394	1	
Heat Shield	2	531-602	1	
Heat Shield Lid	2	531-603	1	
Bracket	3	530-300	1	
HPS Performance Air Filter	4	HPS-4303	1	
Turbo Quick Connect	5	CNC-QC-MK520	1	
3.50" Straight Coupler x 2.50" Long	6	P3SC-350-L25	1	
3.00" Straight Coupler x 3.00" Long	6	P3SC-300-L3	1	
T-Bolt Clamp for 3.50" Hose	6	SSTC-95-103	2	
Embossed Clamp for 3.00" Hose	6	EMSC-70-90	2	
M6 Mount Bung to Rubber Grommet	6	HSM-M6-1028	3	
M4 Allen Bolts x 8MM Long	6	HW-B4-8	2	
6MM Bolt x 12MM Long	6	HW-B6-12	5	
M6 Bolt x 16MM Long	6	HW-B6-16	1	
6mm Flange Nut	6	HW-N6	1	
6MM Flat Washer x 16MM OD	6	HW-FW6L	7	
5MM Allen Bolts x 12MM Long	6	HW-B5-12	5	
Velocity Stack 3.5" to 6" inlet	6	HW-VS-350-600	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](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.

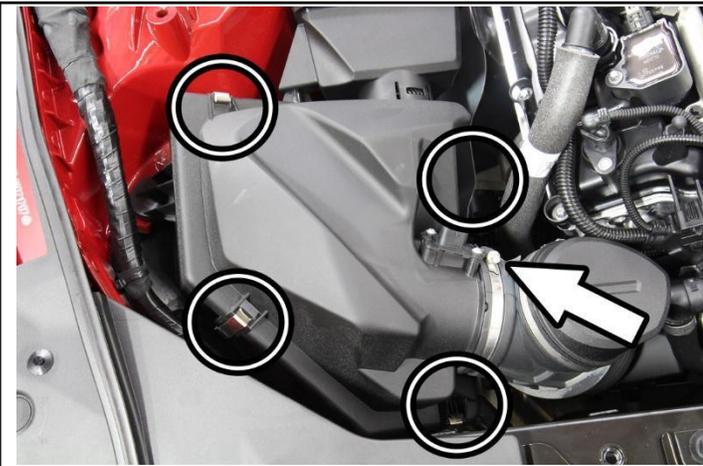
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicles' anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicles 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. Disconnect the temperature electrical harness clip from the temperature sensor.



4. Disconnect the four retaining clips securing the upper air box assembly. Loosen the hose clamp securing the intake tube from air box.



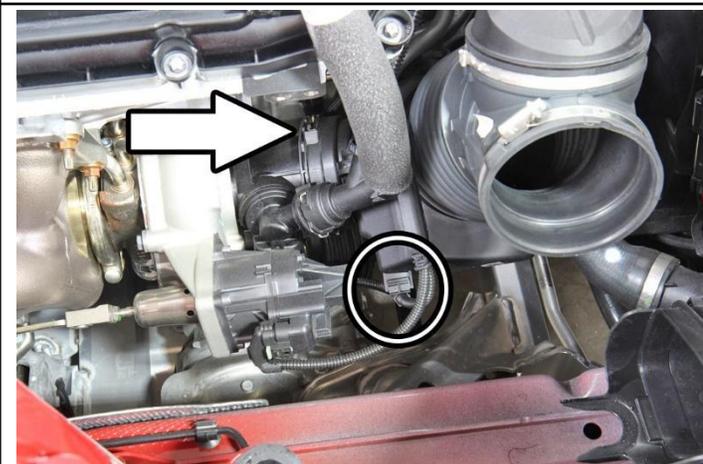
5. Disconnect the intake tube from the upper air box assembly and remove it from the vehicle.



6. Lift and disconnect the lower air box assembly from its grommets.



7. Remove the lower air box from the vehicle.



8. Disconnect the electrical harness from the intake tube. Using a flat head, push the retaining clip down to release the intake tube from the turbo inlet.



9. Disconnect the crank case breather line from the intake tube.



10. Remove the intake tube from the vehicle.



11. Remove the factory temperature sensor from the air box. Install and secure the temperature sensor into the HPS intake pipe using the provided M4x8mm allen bolts.



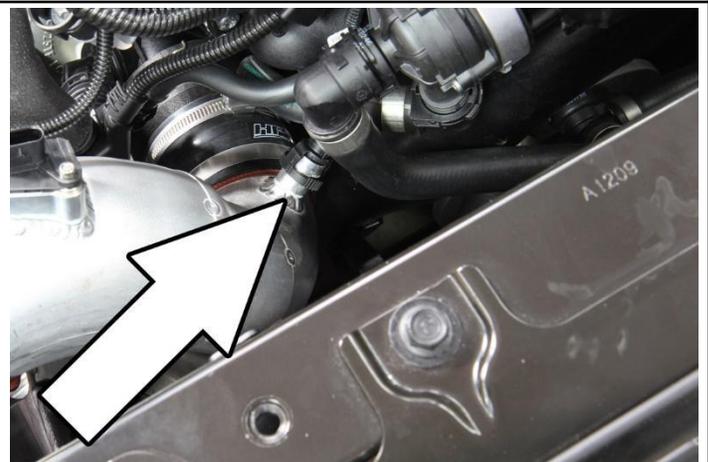
12. Remove the factory O-ring and the retaining clip from the intake tube and insert them into the provided quick connect.



13. Insert the quick connect onto the turbo inlet and install the 3.00" coupler along with the provided EMSC clamps.



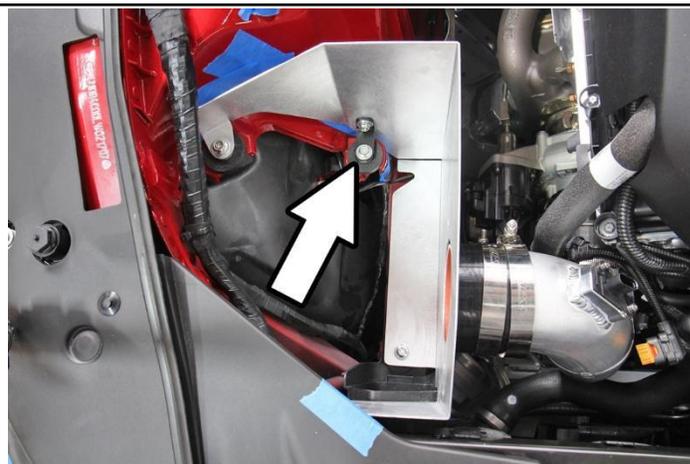
14. Install the HPS intake pipe into the coupler.



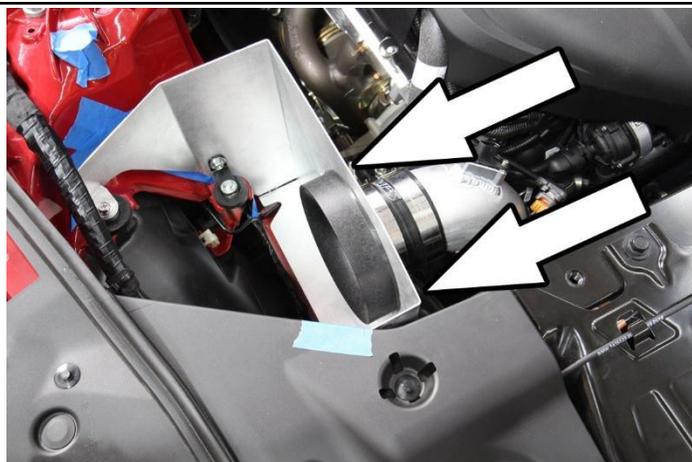
15. Re-connect the crank case breather hose into the HPS intake barb.



16. Insert the provided M6 mounting bungs into the factory air box rubber grommets. Install the 3.50" coupler along with the provided T-bolt clamps onto the other end of the HPS intake pipe.



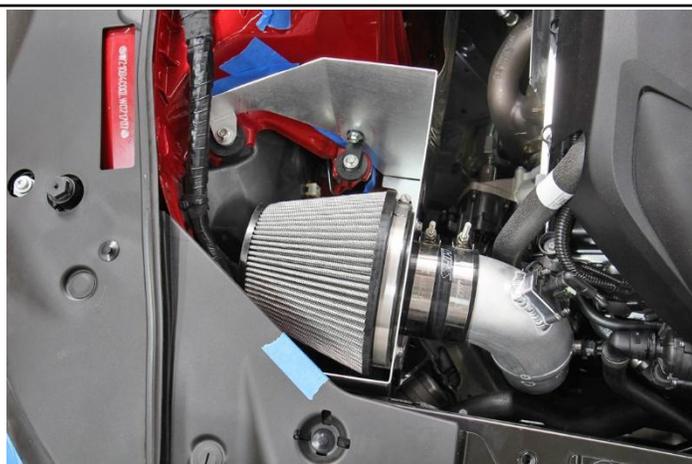
17. Insert the HPS heat shield into the vehicle. Secure the heat shield using the provided "L" bracket to the heat shield using a M6x16mm bolt, nut and washers. Use the M6x12mm bolts and washers to secure the remaining tabs to the mounting bungs.



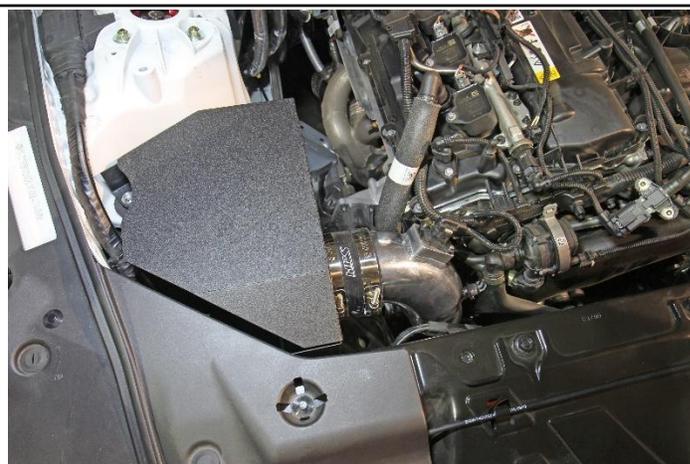
18. Insert the provided velocity stack into the 3.50" coupler then, secure the velocity stack to the heat shield using two M6x12mm bolts with washers.



19. Re-connect the temperature sensor harness connector.



20. Install the provided HPS performance air filter.



21. Install the optional heat shield lid onto the heat shield using the provided M5x12mm bolts.



22. Re-install the engine cover into the vehicle .

### **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.

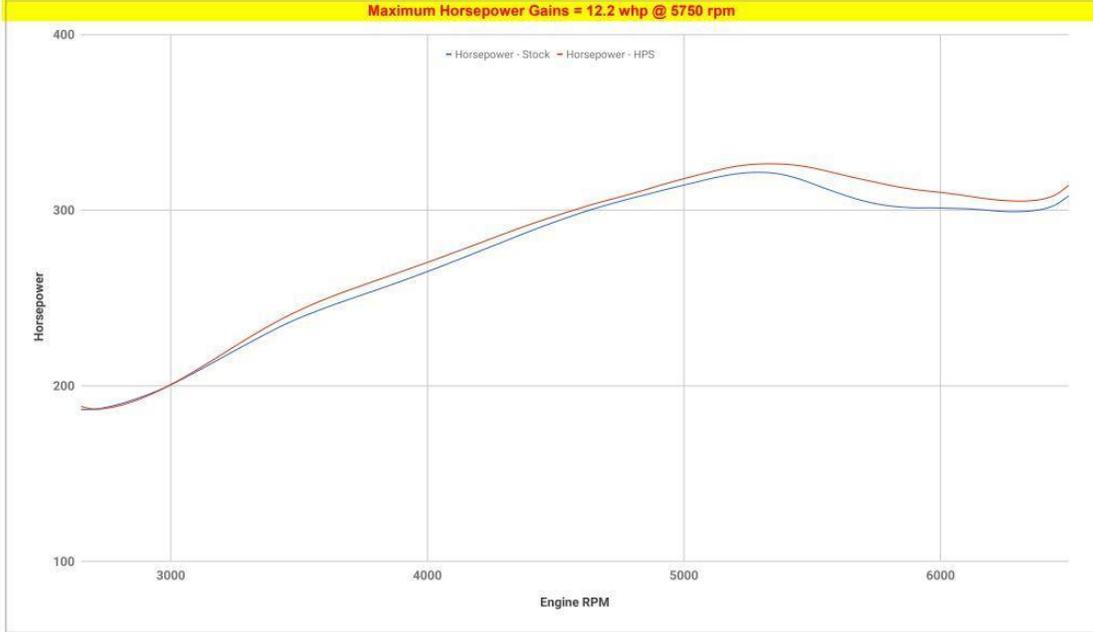
Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles 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.



HPS Performance Air Intake Kit with Heat Shield (827 Series)  
2020-2021 Toyota Supra 3.0L  
Part Number: 827-697

Maximum Horsepower Gains = 12.2 whp @ 5750 rpm



HPS Performance Air Intake Kit with Heat Shield (827 Series)  
2020-2021 Toyota Supra 3.0L  
Part Number: 827-697

Maximum Torque Gains = 11.2 ft/lb @ 5700 rpm

