



# Performance Charge Pipe Kit (Cold Side Only)

Part Number: 17-166

Toyota 2023-2025 GR Corolla 1.6L Turbo

## Installation Instructions

For technical inquiries please email us at [tech@hpsperformance.com](mailto:tech@hpsperformance.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: 17-166

Line #	Description	Part Number	Qty
1	Charge Pipe, Lower Cold Side	529-944	1
2	Charge Pipe, Upper Cold Side	529-945	1
3	Embossed Hose Clamp, 50mm - 70mm	EMSC-50-70	4
4	Embossed Hose Clamp, 40mm - 60mm	EMSC-40-60	2
5	Reducer Coupler, Fluorolined, 1.75" - 2.00"	CH-GRC2	2
6	Straight Coupler, Fluorolined, 2.00"	CH-GRC3	1

- Before installing any parts of this charge pipe kit, please read the instructions thoroughly.
- Verify the contents of this charge pipe kit before disassembling your vehicle.
- DO NOT INSTALL IF ANY PARTS ARE MISSING OR DAMAGED. CONTACT [tech@hpsperformance.com](mailto:tech@hpsperformance.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 charge pipe kit while the engine is hot.
- This installation may require removal of coolant lines that may be hot.
- For technical inquiries, please email us at [tech@hpsperformance.com](mailto:tech@hpsperformance.com)

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

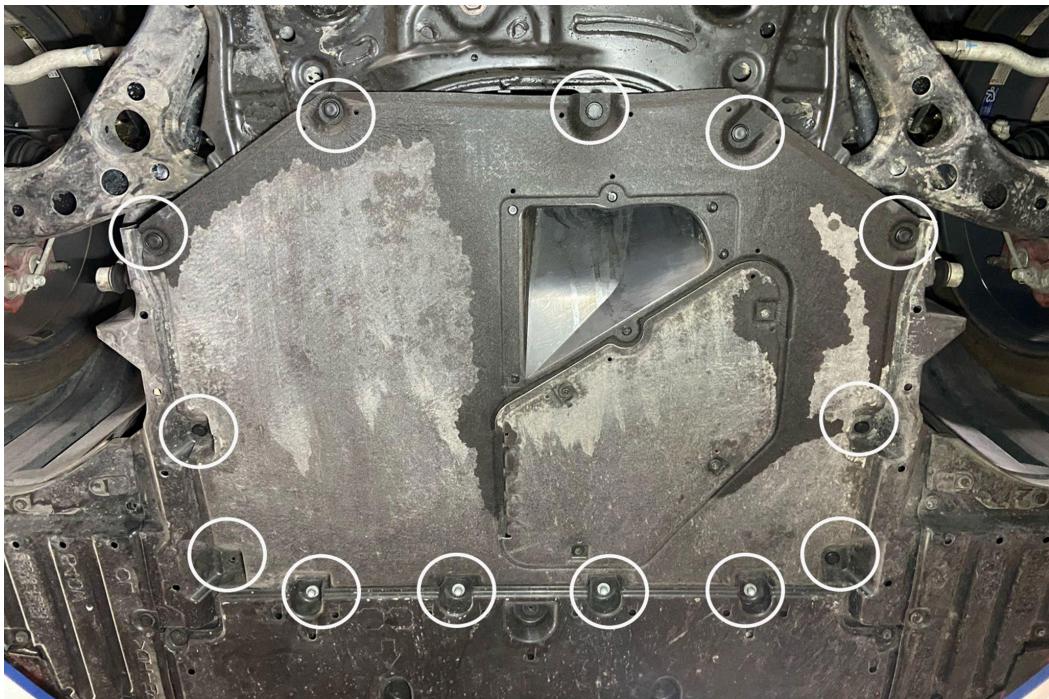
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

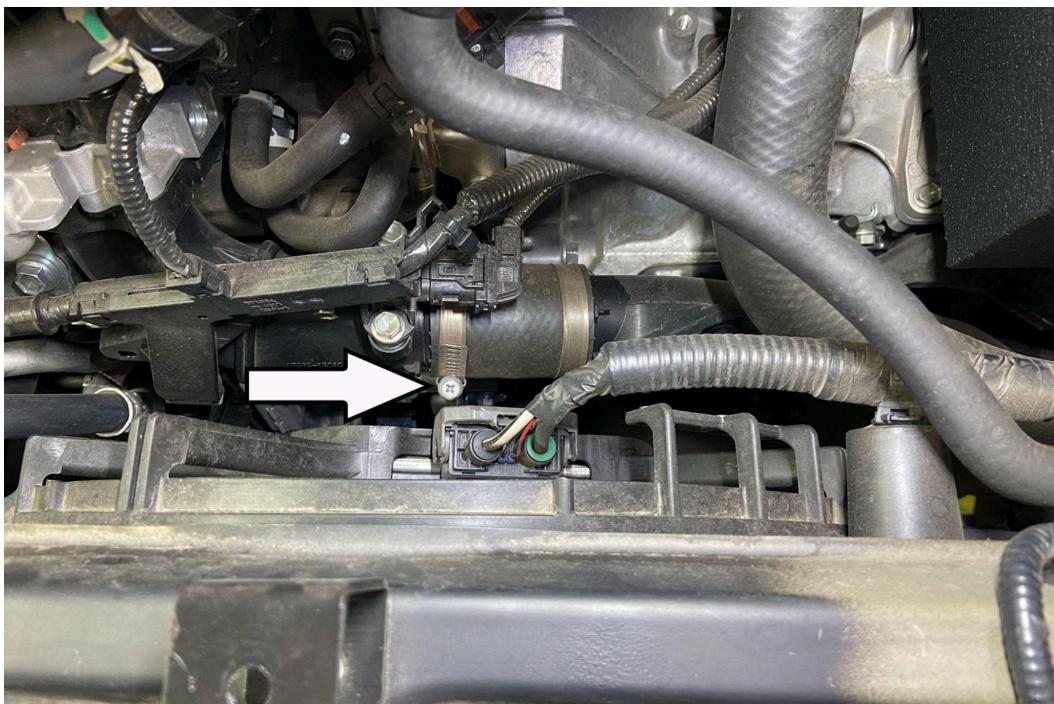
### **GETTING STARTED**

1. Turn the ignition OFF and disconnect both of the vehicle's battery's negative cables . If the engine has run within the past two hours let it cool down.

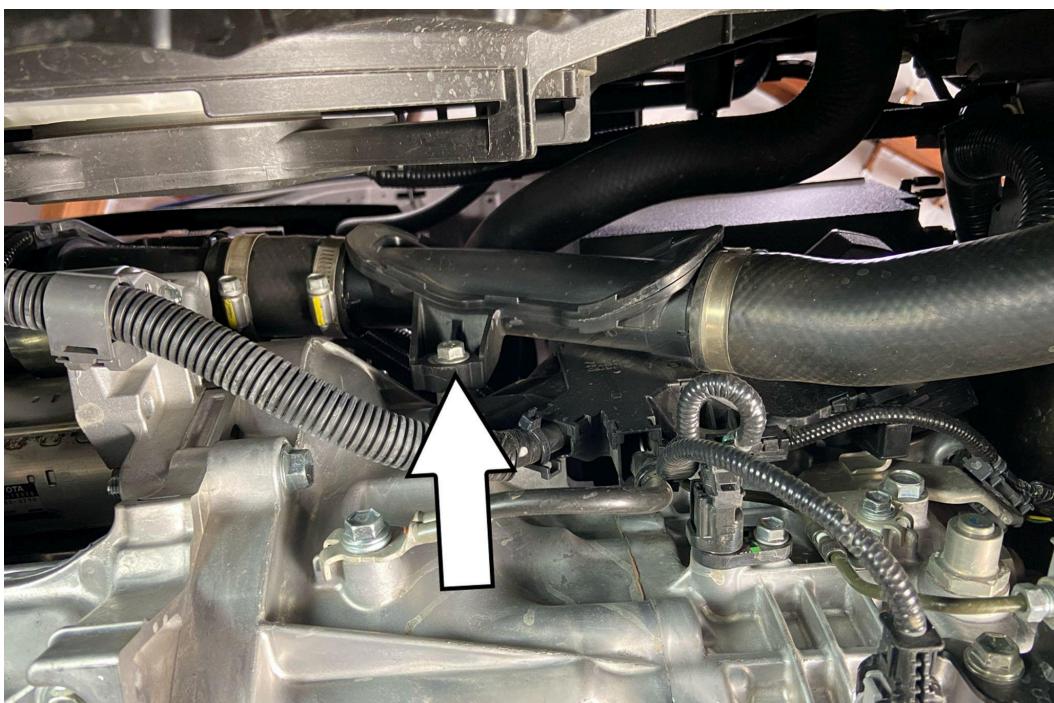
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



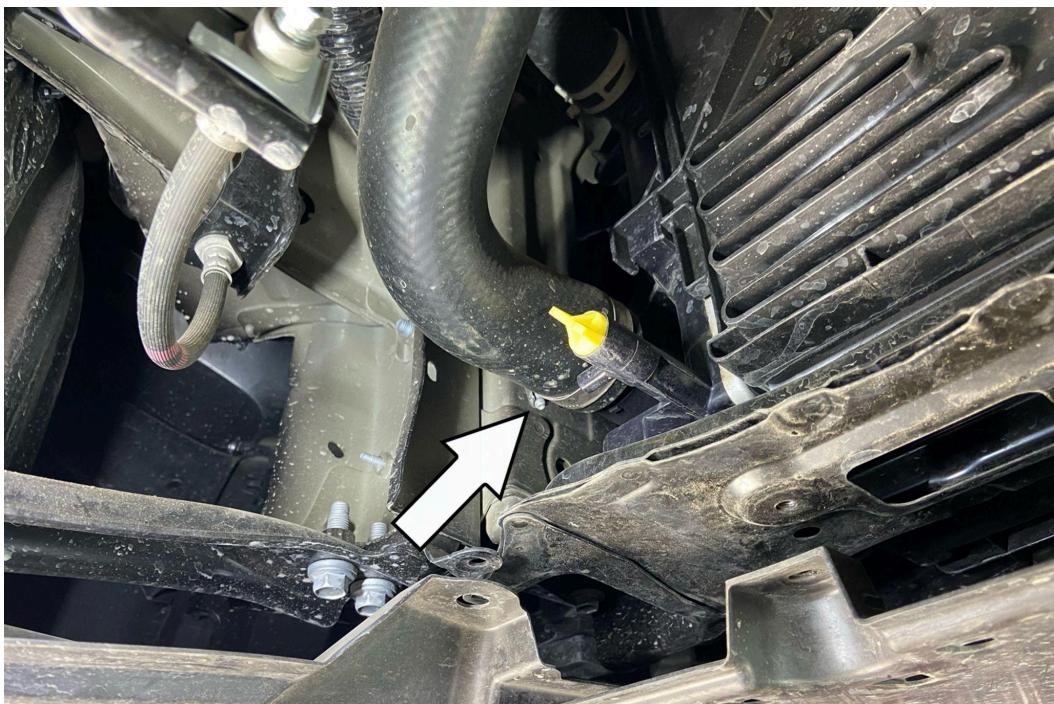
2. Remove the nine retaining clips and four 10mm bolts to remove the undertray from the vehicle.



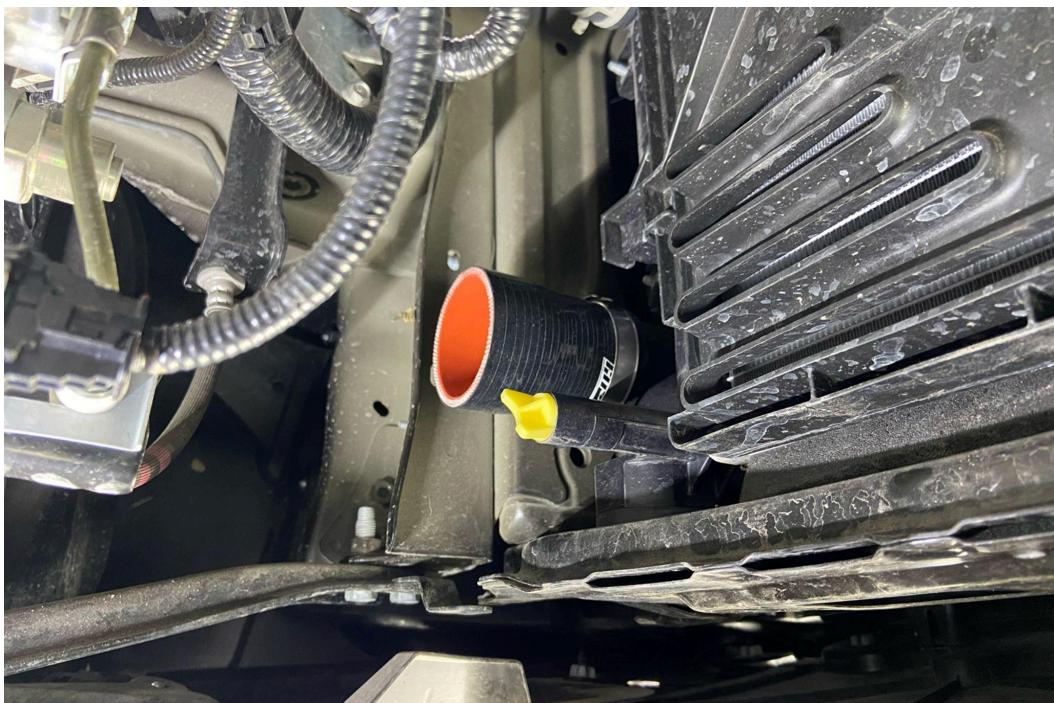
3. Loosen the hose clamp securing the charge hose from the throttle body inlet.



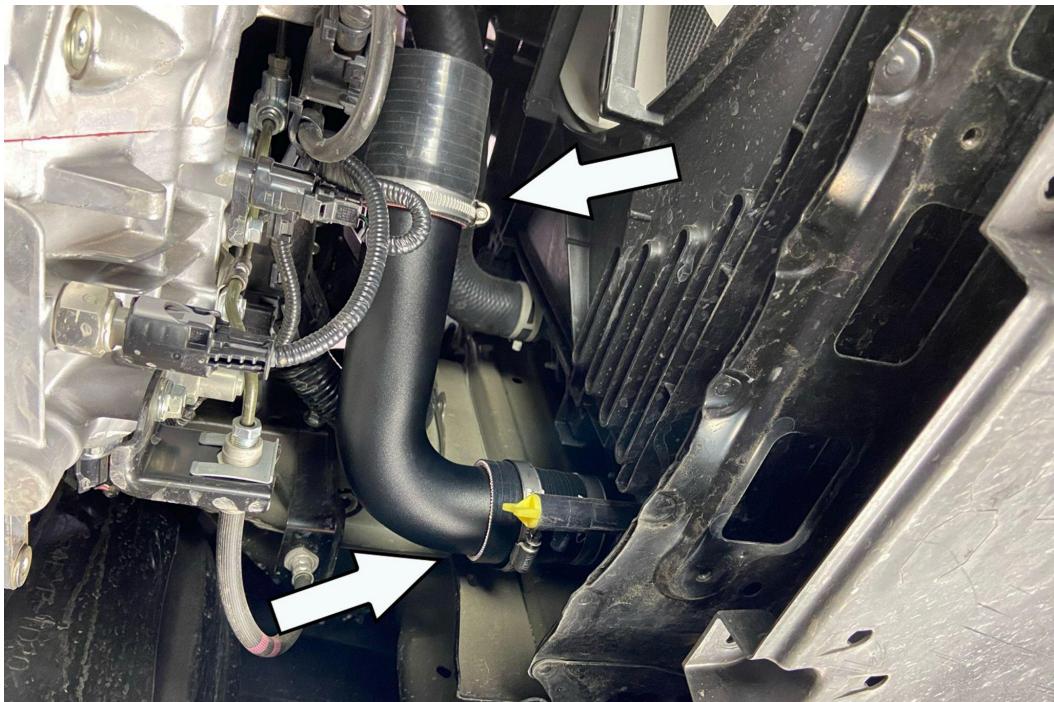
4. Remove the 12mm bolt securing the lower cold side charge pipe bracket.



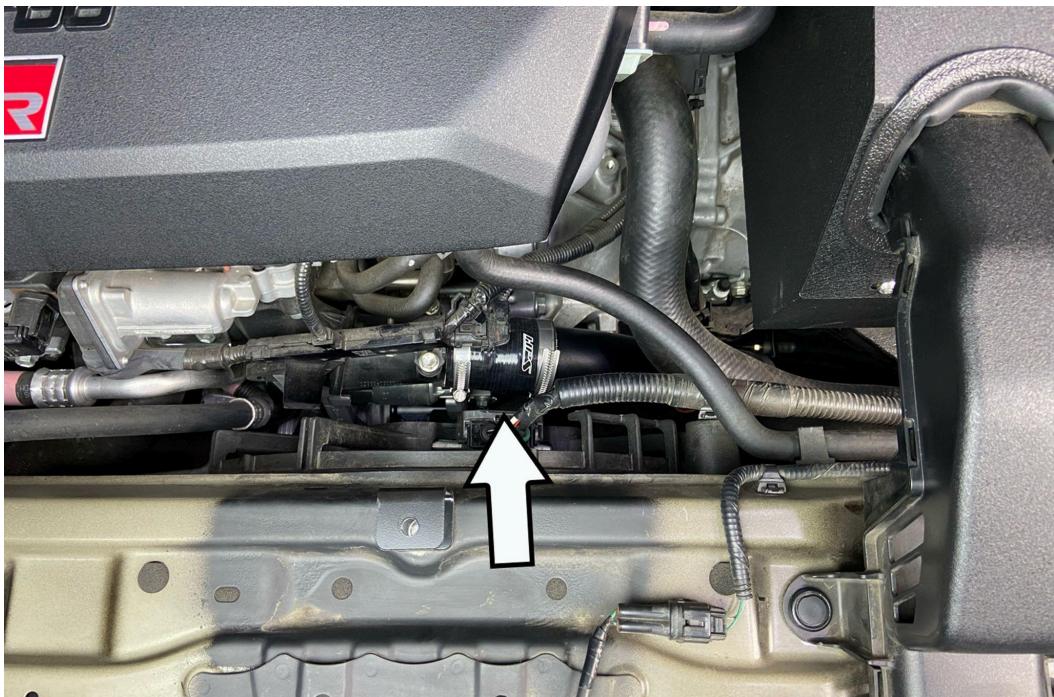
5. Loosen the hose clamp securing the charge hose from the intercooler outlet. Remove the cold side charge pipe assembly from the vehicle.



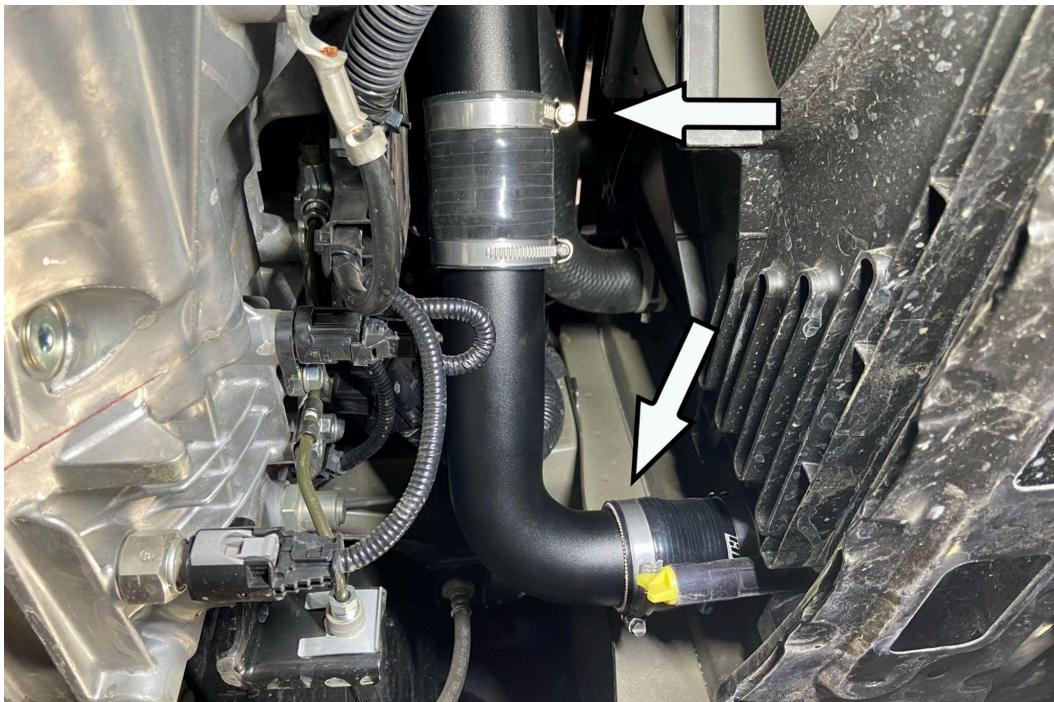
6. Secure the 1.75" to 2.00" silicone reducer coupler onto the intercooler outlet using one of the provided EMSC-40-60 clamps.



7. Slip the 2.00" straight coupler onto the long side of the HPS lower cold side charge pipe and secure it with an EMSC-50-70 clamp. Slide a second EMSC-50-70 clamp onto the reducer coupler on the intercooler outlet and slip the short side of the charge pipe into the coupler. Do not tighten the clamp at this point as the pipe will need to be properly positioned in later steps.



8. Secure the 1.75" to 2.00" silicone reducer coupler onto the throttle body inlet using a provided EMSC-40-60 clamp. Insert an EMSC-50-70 clamp onto the opposite end of the coupler and slip in the HPS upper cold side charge pipe.



9. Slide an EMSC-50-70 clamp onto the 2.00" straight coupler and insert the upper charge pipe. Position the charge pipes for adequate clearance before securing all of the clamps.



10. Reinstall the under tray back onto the vehicle.

## **FINAL STEPS**

Once the charge pipe 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 charge pipe and make sure there is proper clearance around and along the length of the charge pipe. Failure to follow proper maintenance procedures may cause damage to the charge pipe and will void the warranty.



**Also available for**  
**Toyota 2023-2025 GR Corolla 1.6L Turbo**



**HPS Performance Hot Side Charge Pipe Kit**  
**Part Number [17-165](#)**



**HPS Performance Air Intake Kit**  
**Part Number [827-735](#)**



**HPS Stainless Steel Magnetic Oil Drain Plug**  
**Part Number [MDP-M12x125](#)**

**Contact an authorized HPS Performance dealer or**  
**visit us at [hpsperformance.com](http://hpsperformance.com) for more details**