Performance Front Strut Tower Bar
Part Number: 42-121

Scion 2013-2016 FRS 2.0L
Toyota 2017-2020 GR86 2.0L
Toyota 2021-2026 GR86 2.4L

Installation Instructions

For technical inquiries, please email us at 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.

Last revision GD 10292025

Bill of Materials

Kit Number: 42-121

Line #	Description	Part Number	Qty
1	Center Aluminum Strut Bar	451-102-AL	1
2	Left Strut Bar Bracket	431-121-L	1
3	Right Strut Bar Bracket	431-121-R	1
4	Flange Nut, M12 x 1.5mm	HW-N12x1.5	2
5	Bolt, M12 x 1.5mm, 75mm Long	HW-B12x1.5x75	2

- **Before installing any parts of this strut bar, please read the instructions thoroughly.**
- **Verify the contents of this strut bar 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 strut bar while the engine is hot.**
- **For technical inquiries, please email us at tech@hpsperformance.com**

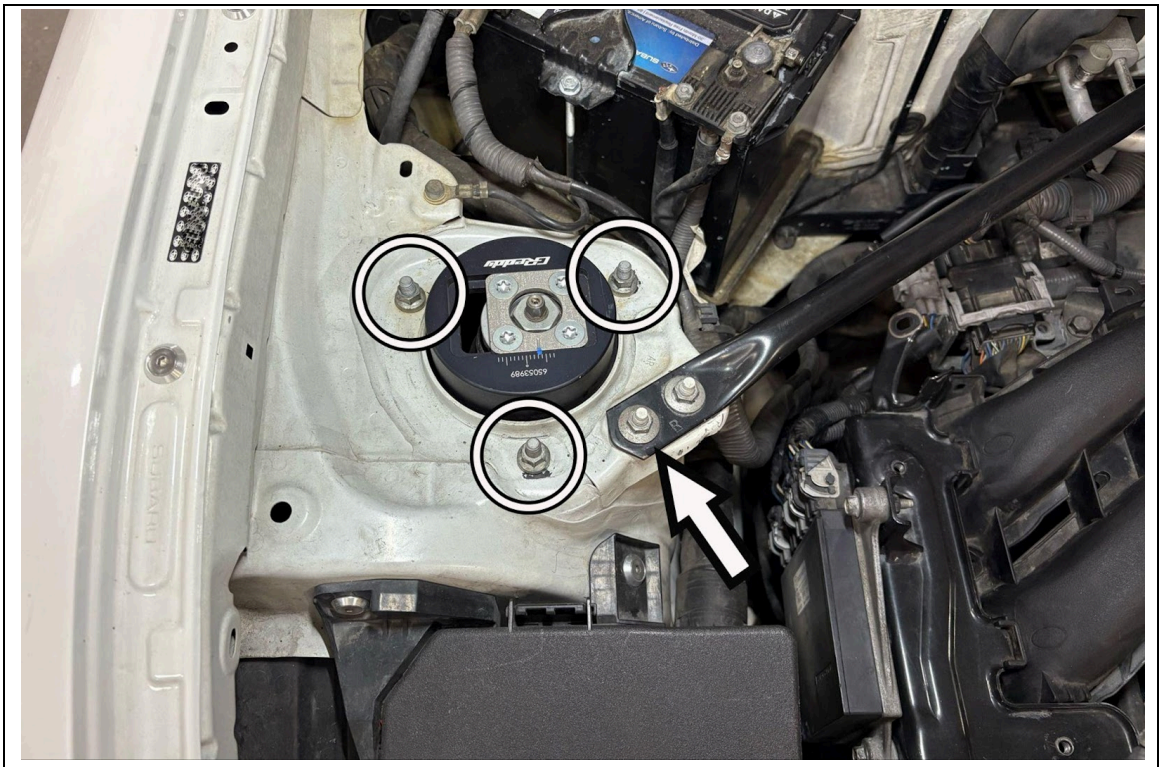
PLEASE READ CAREFULLY BEFORE INSTALLATION!

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.

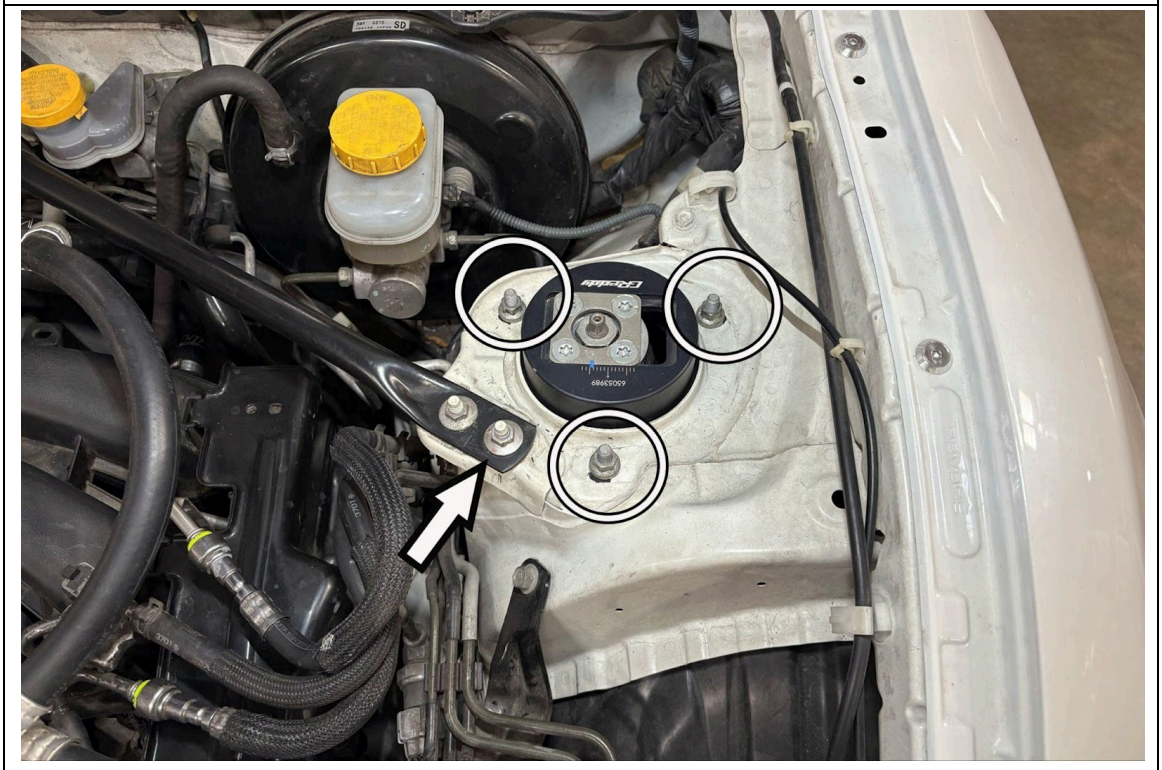
NOTE: HPS holds no responsibility for any engine damage that results from misuse of this product.

GETTING STARTED

1. Turn the ignition OFF. If the engine has run within the past two hours, let it cool down.



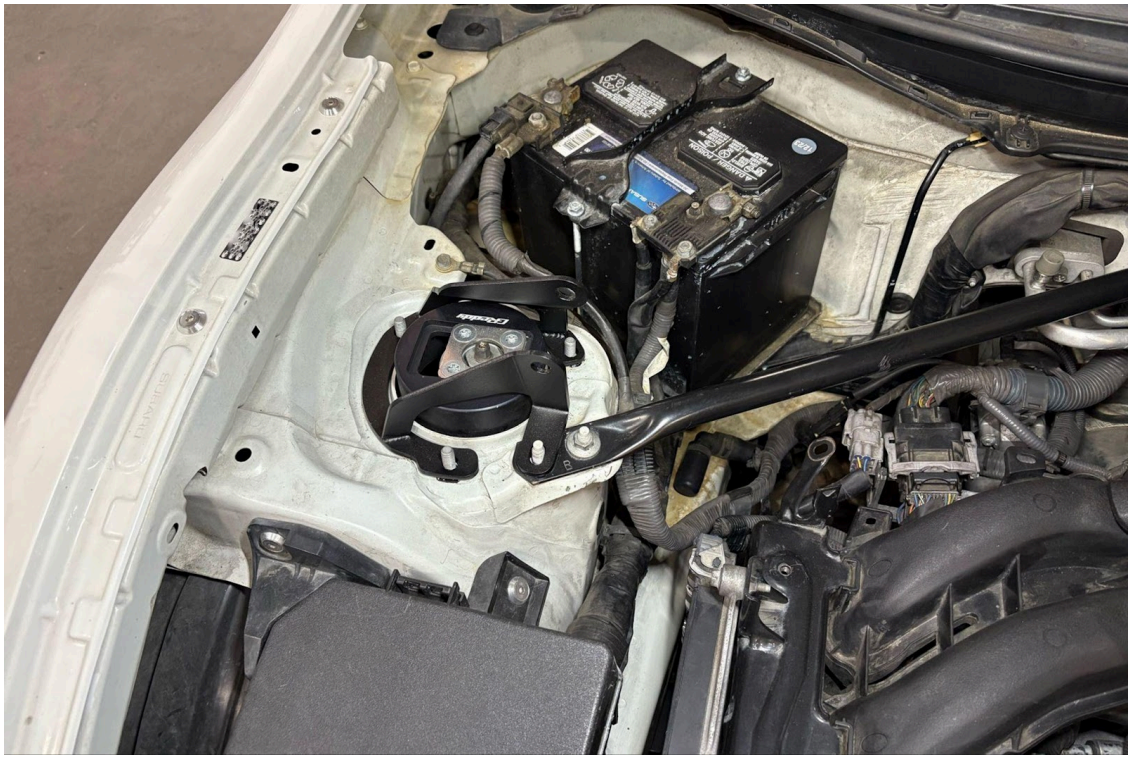
2. Remove the four 12mm nuts as indicated in the image above from the passenger side strut tower.



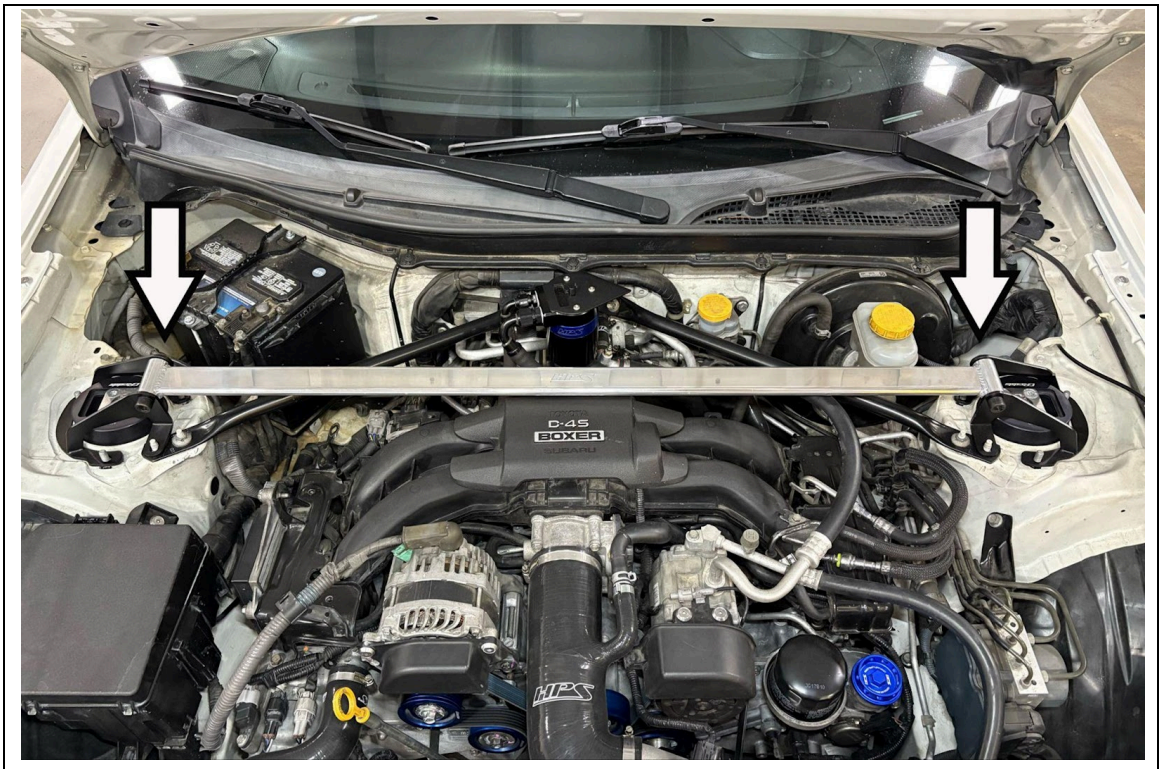
3. Remove the four 12mm nuts as indicated in the image above from the driver side strut tower.



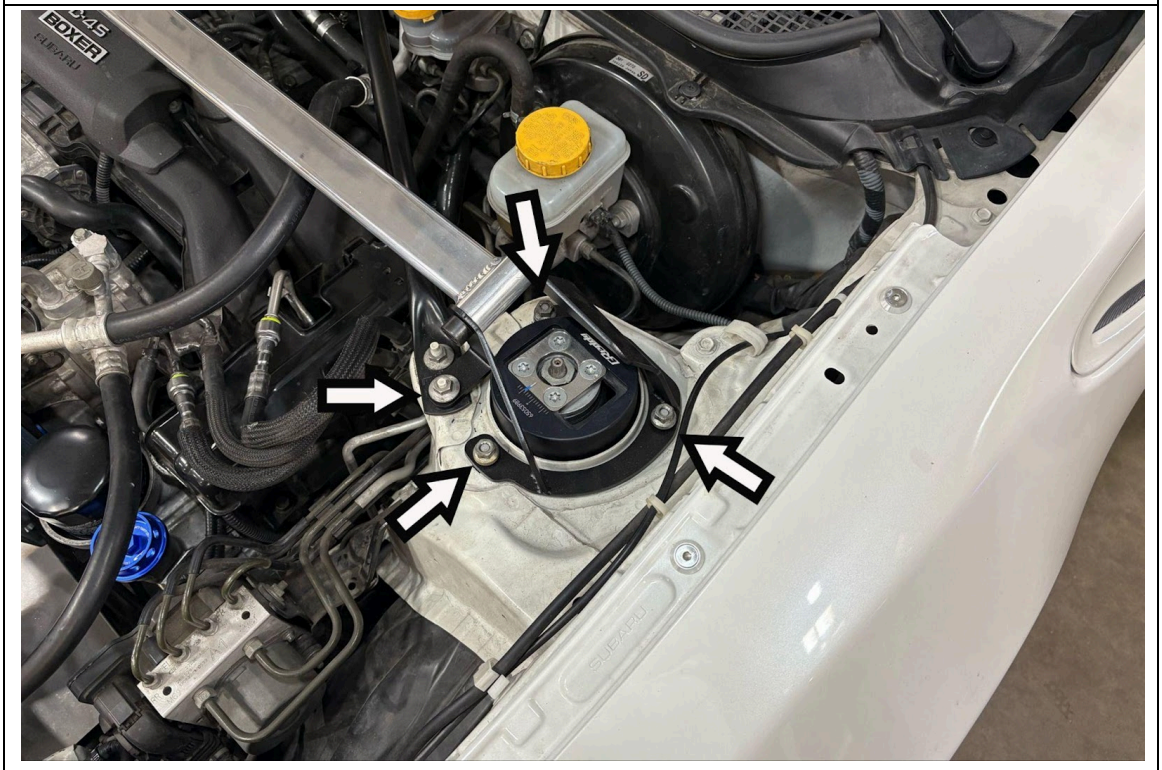
4. Place the strut bar bracket onto the driver side strut tower.



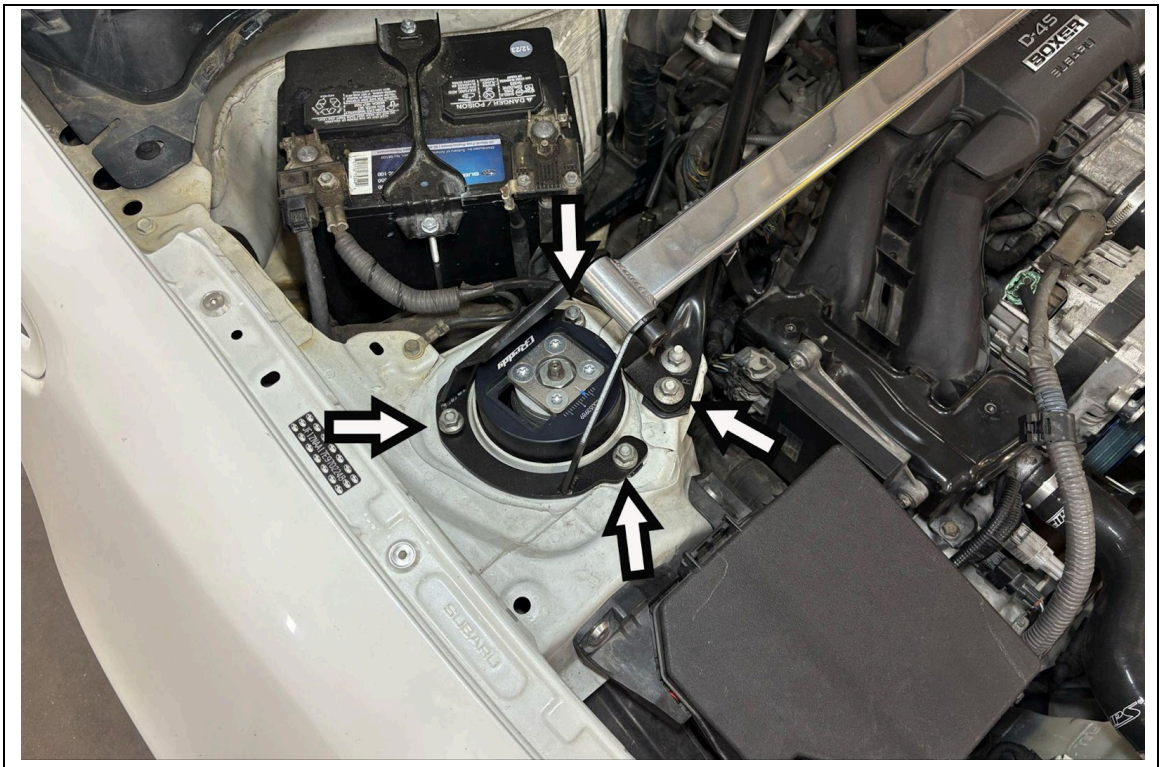
5. Place the strut bar bracket onto the passenger side strut tower.



6. Loosely install the center strut bar using two of each provided M12 bolts and M12 flange nuts.



7. Secure the factory nuts back onto the driver side strut tower.



8. Secure the factory nuts back onto the passenger side strut tower.

FINAL STEPS

Once the strut bar has been installed, check for clearance around and along the length of the strut bar. Damage to the strut bar and/or your vehicle may occur if the strut bar is installed incorrectly.

Periodically, recheck the tightness of the hardware and alignment of the strut bar to make sure there is proper clearance around and along the length of the strut bar. Failure to follow proper maintenance and installation procedures will void the warranty.

