



## **Performance Strut Tower Bar Part Number: 42-116**

# **Subaru 2015-2021 WRX STI 2.5L 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: 42-116

Line #	Description	Part Number	Qty
1	Center Aluminum Strut Bar	451-103-AL	1
2	Left Strut Bar Bracket	431-116-L	1
3	Right Strut Bar Bracket	431-116-R	1
4	Flange Nut, M12 x 1.5mm	HW-N12x1.5	2
5	Bolt, M12 x 1.5mm, 65mm Long	HW-B12x1.5x65	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](mailto:tech@hpsperformance.com)

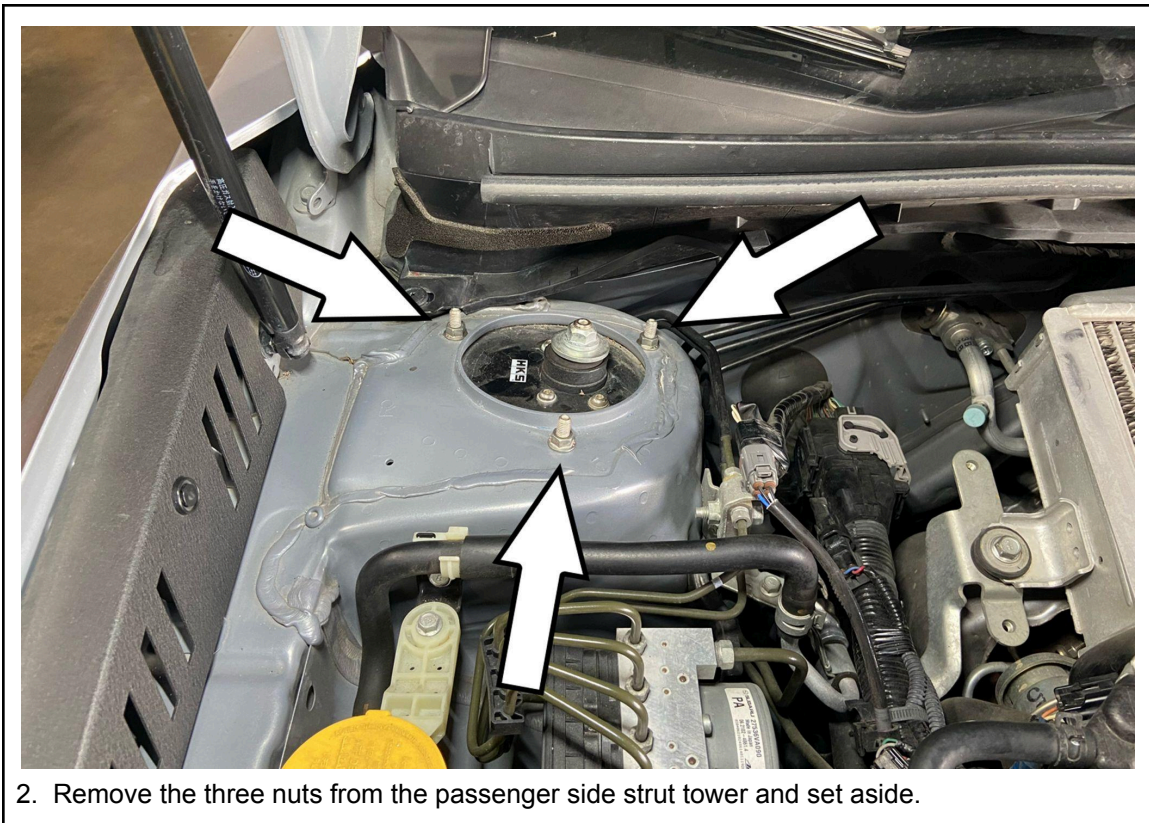
## **PLEASE READ CAREFULLY BEFORE INSTALLATION!**

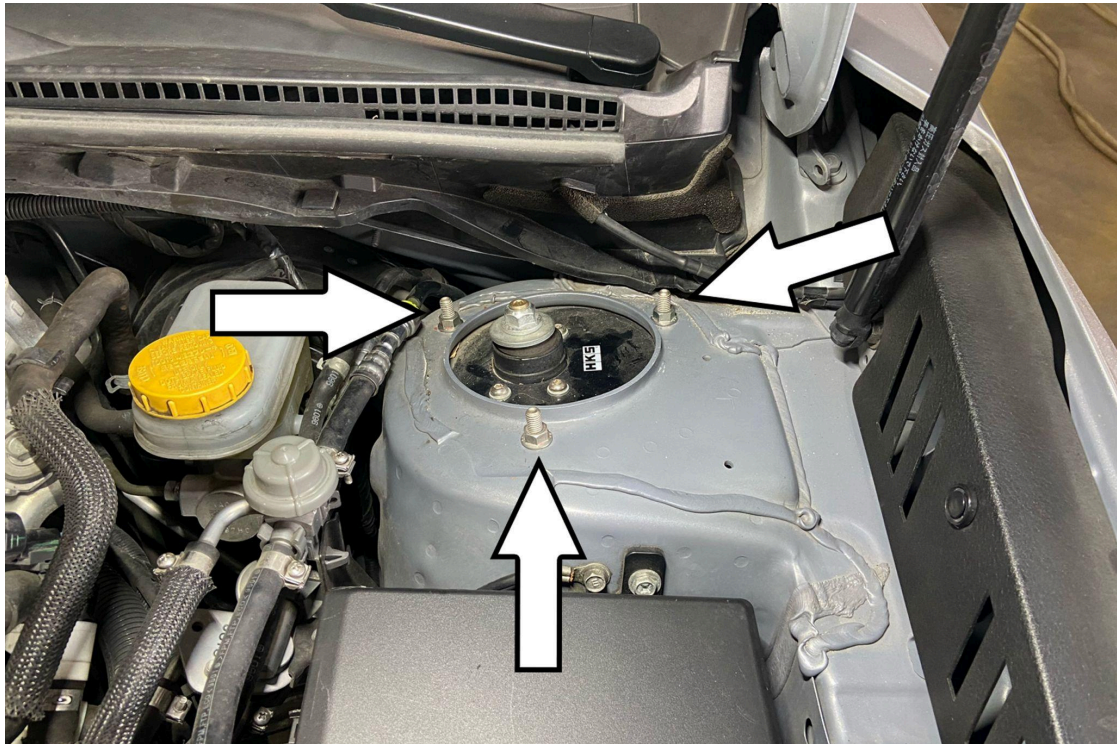
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

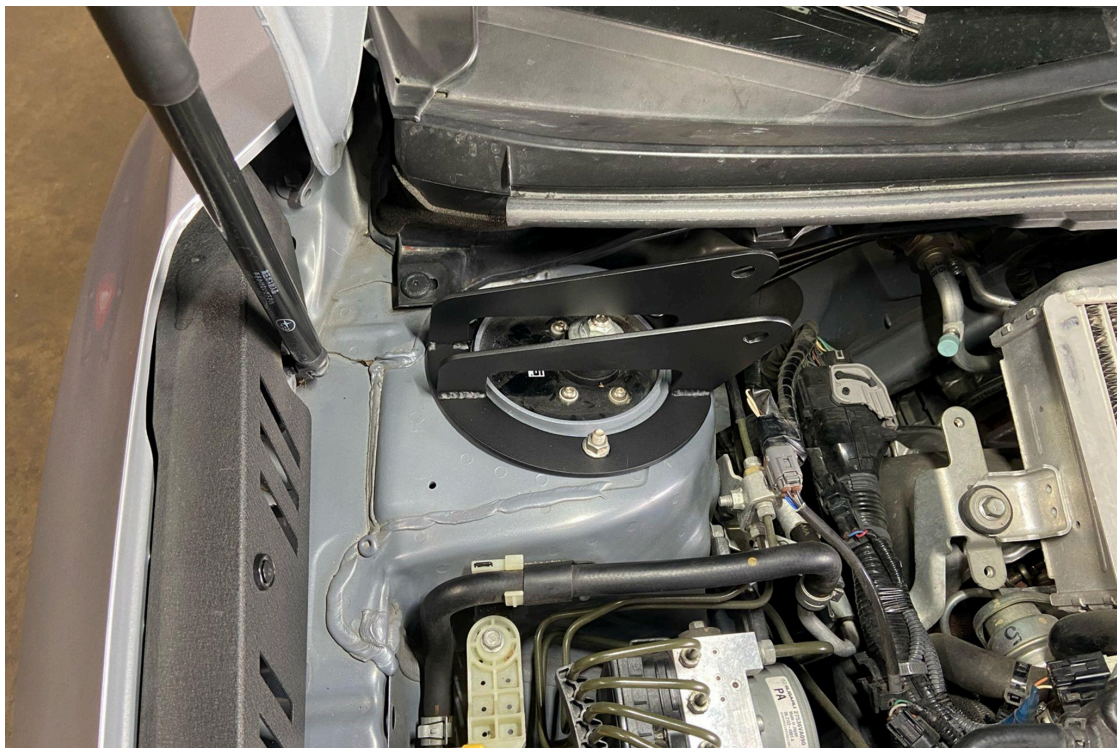
## **GETTING STARTED**

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





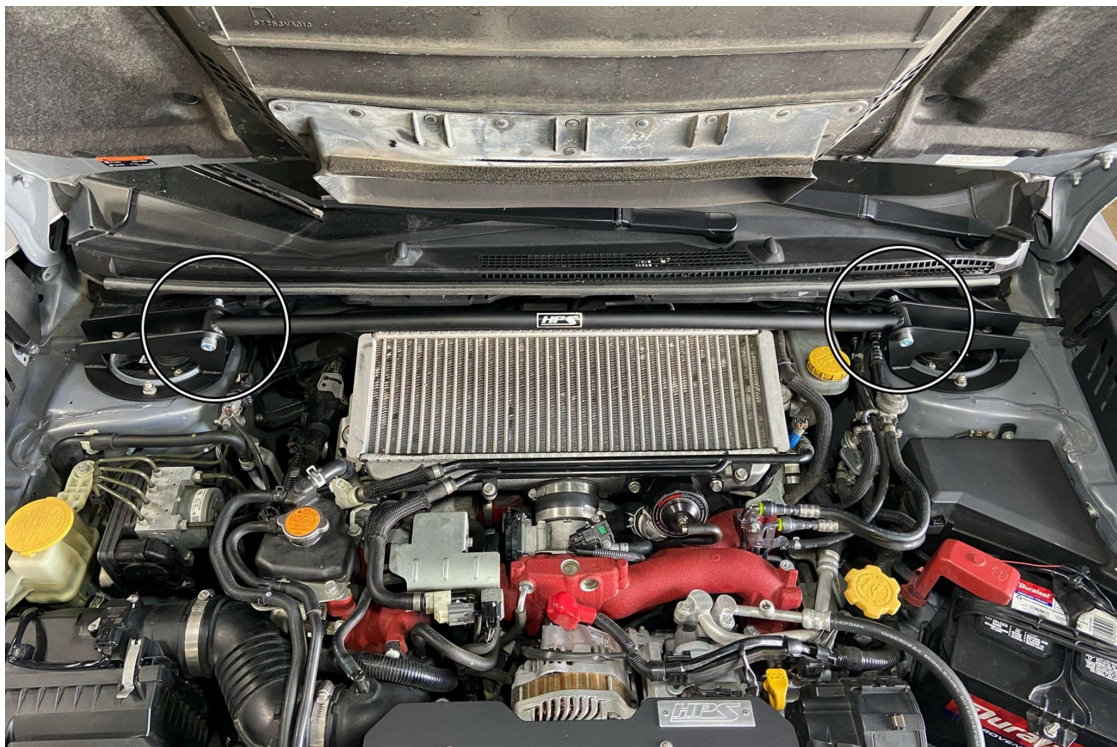
3. Remove the three nuts from the driver side strut tower and set aside.



4. Loosely install bracket 431-116-R onto the passenger side strut tower using the factory nuts removed in step two.



5. Loosely install bracket 431-116-L onto the driver side strut tower using the factory nuts removed in step three.



6. Loosely install the center strut bar using the two provided M12 bolts and two M12 flanged nuts. Once the bar and brackets are properly positioned, secure all of the nuts and bolts.

## **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.



**Also available for:  
Subaru 2015-2021 WRX STI 2.5L Turbo**



**HPS Performance Cold Air Intake Kit**  
Part Number [837-573](#)



**HPS Performance Drop-In Air Filter**  
Part Number [HPS-452421](#)



**HPS Silicone Radiator + Heater Hose Kit**  
Part Number [57-1516](#)



**HPS Silicone Radiator + Heater Hose Kit**  
Part Number [MDP-M20x150](#)

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