



Performance Front Strut Tower Bar Part Number: 42-118

Subaru 2022-2024 WRX 2.4L Turbo

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.

Bill of Materials

Kit Number: 42-118

Line #	Description	Part Number	Qty
1	Strut Bar Left Bracket	431-118-L	1
2	Strut Bar Right Bracket	431-118-R	1
3	Center Aluminum Strut Bar	451-104-AL	1
4	Allen Bolt, M12 x 1.50mm, 65mm Long	HW-B12X1.5X65	2
5	Flange Nut, M12 x 1.5mm	HW-N12X1.5	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

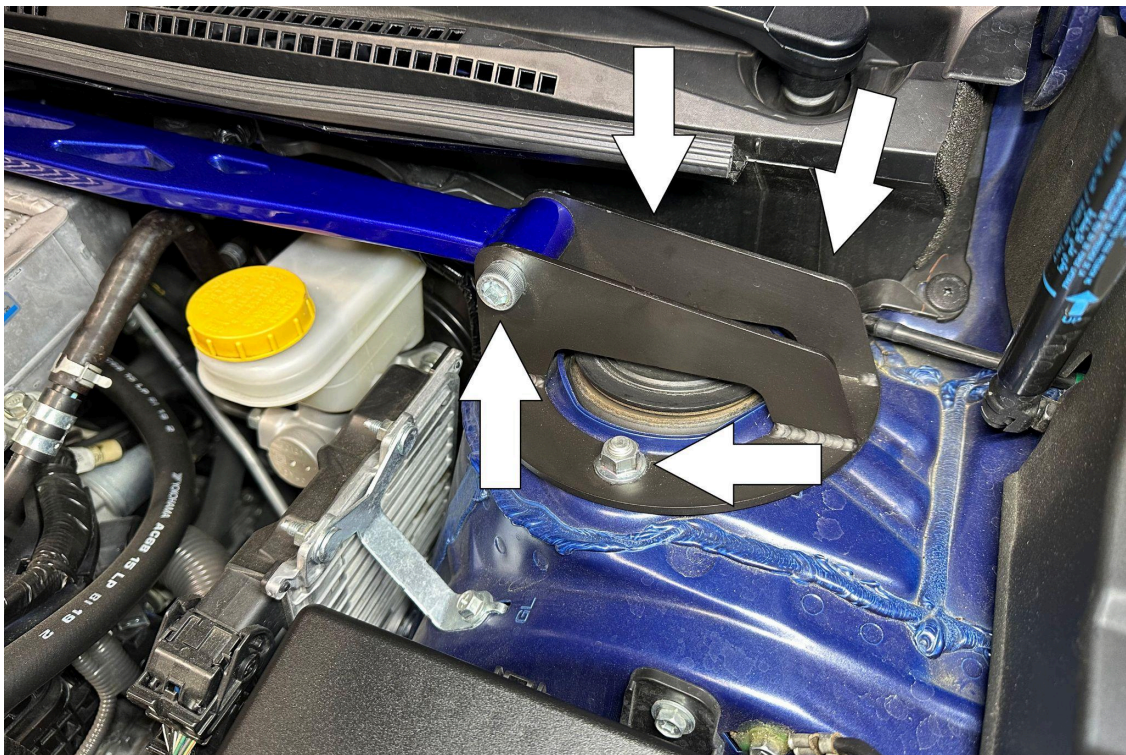
1. Turn the ignition OFF. If the engine has run within the past two hours, let it cool down.



2. Loosen and remove the six strut mount nuts on strut towers. Set the nuts aside to be reused in a later step.



3. Place the strut bar brackets onto both of the strut towers.



4. Loosely reinstall the original strut mount nuts. Loosely install the HPS strut bar using the two provided Allen head bolts and flange nuts.



5. Once the strut bar is aligned and all fasteners are installed, fasten the six original strut tower nuts to 27 ft-lbs. Then, torque the Allen head bolts to 86 ft-lbs.

FINAL STEPS

Once the strut bar has been installed, check for clearance around and along 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 2022-2024 WRX 2.4L Turbo**



HPS Performance Air Intake Kit
Part Number [827-727](#)



HPS Stainless Steel Magnetic Oil Drain Plug
Part Number [MDP-M16x150](#)

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