



Performance Strut Tower Bar Part Number: 42-117

**2021-2025 Lexus IS300 3.5L V6
2021-2025 Lexus IS350 3.5L V6**

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: 42-117

Line #	Description	Part Number	Qty
1	Center Aluminum Bar	451-117	1
2	Left Strut Bar Bracket	431-117-L	1
3	Right Strut Bar Bracket	432-117-R	1
4	Flange Nut, M12 x 1.75	90870A105	2
5	Allen Bolt, M12 x 1.75, 70mm Long	HW-B12X1.75X70	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

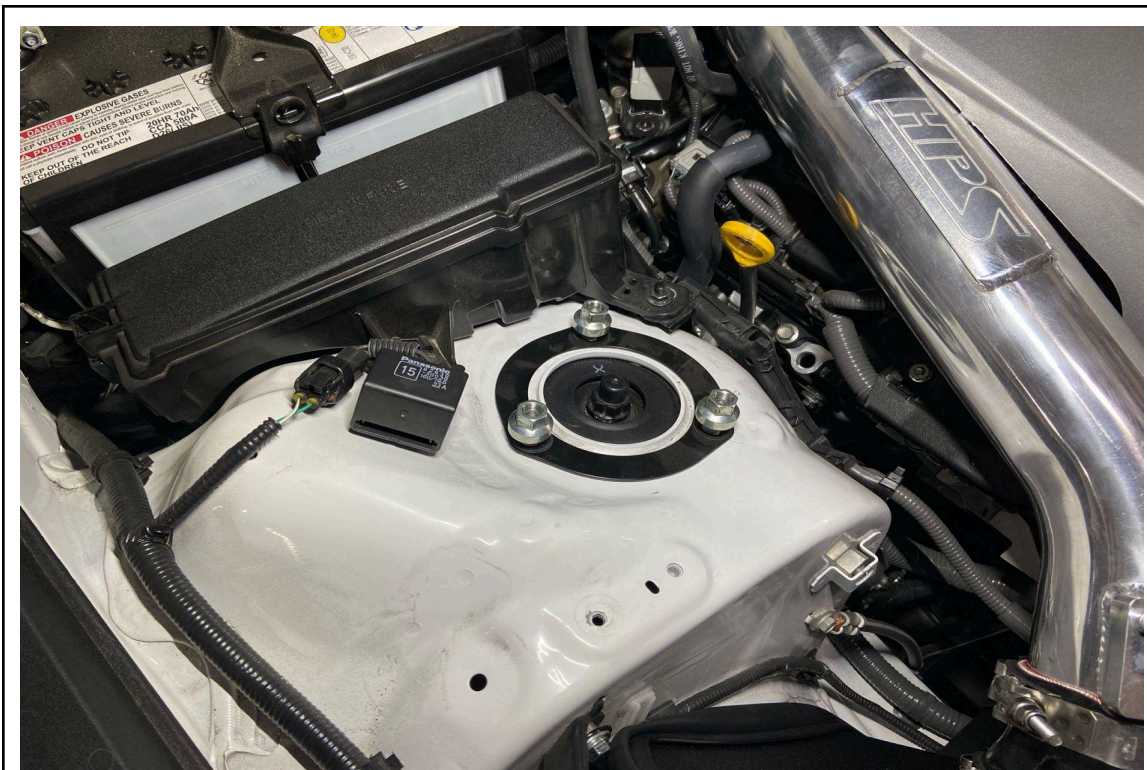
PLEASE READ CAREFULLY BEFORE INSTALLATION!

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.



3. Remove the strut tower nuts from the left and right strut towers using a 14mm socket.

Remark: Vehicles with Active Variable Suspension (AVS) must disconnect and remove the modules on the factory struts in order for the strut bar to be installed.

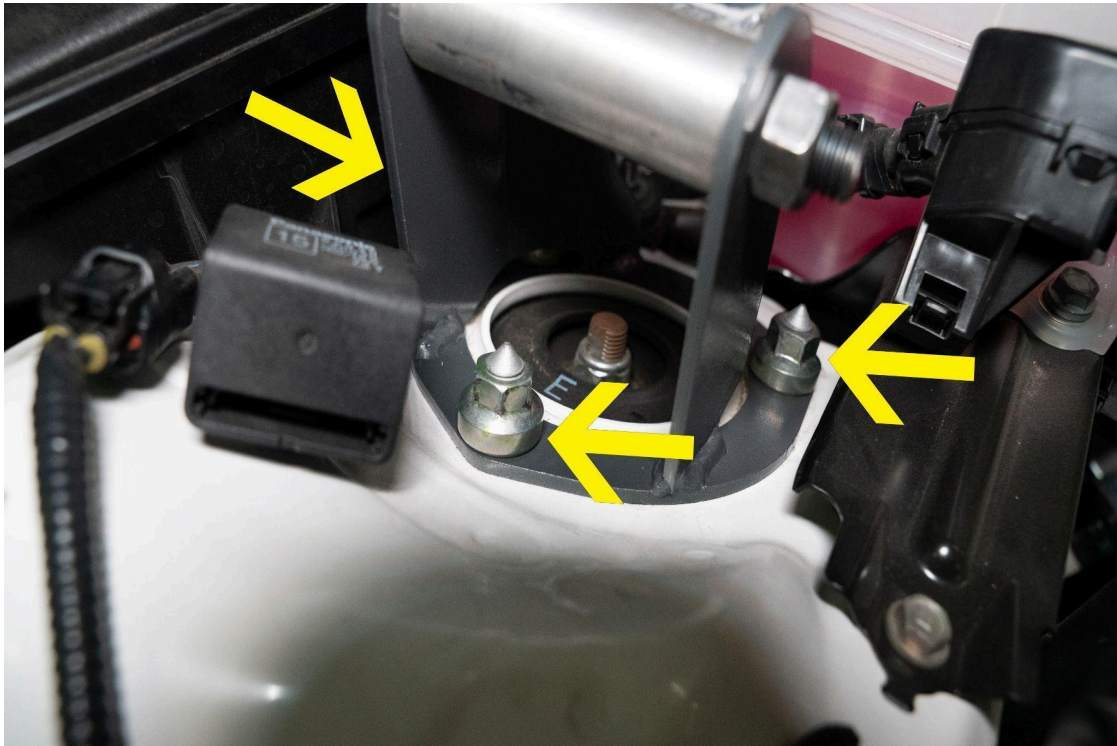
Tip: Set the desired suspension mode before disconnecting the modules.



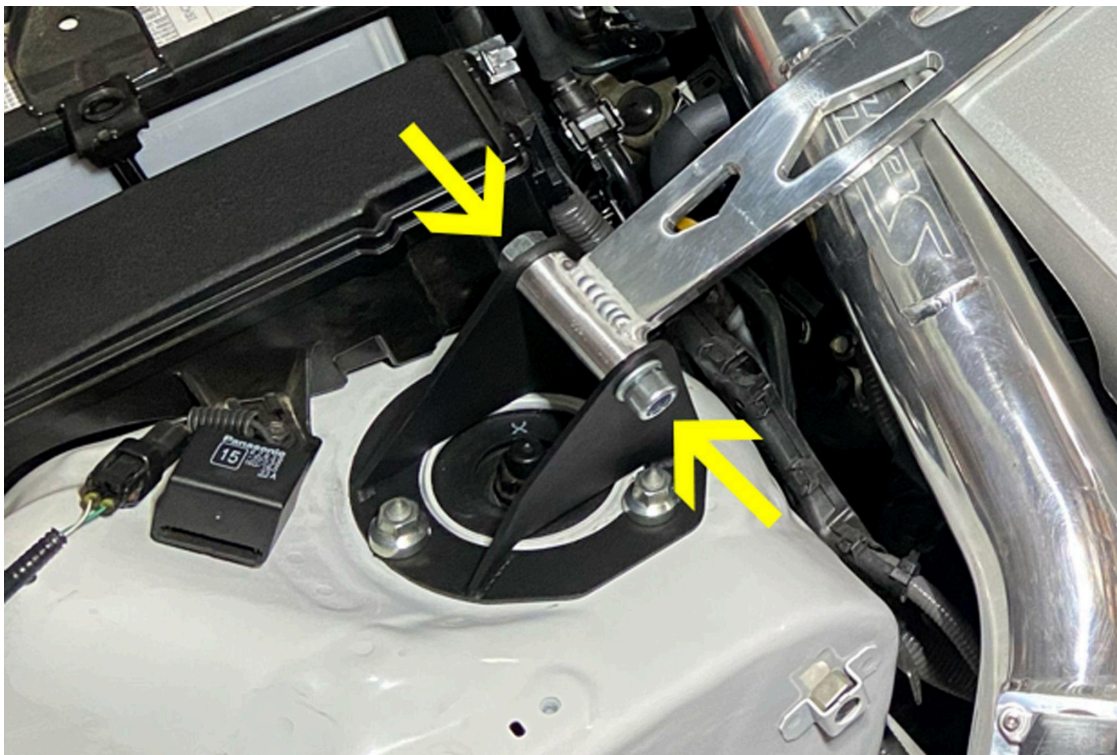
5. Place the strut tower brackets onto their designated sides, ensuring the uprights are angled forward at the top. Loosely thread the factory strut top nuts in place.



6. With the center bar in place, slide the provided M12 Allen bolts on through the front and thread on the provided M12 nuts on the back. Do not fasten the hardware yet.



7. Once the bar is in place, torque down the six strut top mount nuts to 49 ft-lb.



8. Torque down the M12 Allen bolts and the M12 nuts to 80 ft-lbs.

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 Lexus 2021-2025 Lexus IS300 / IS350 3.5L V6



HPS Performance Air Intake Kit

[Part Number 27-198](#)



HPS Performance Air Intake Kit

[Part Number 827-682](#)



HPS Silicone Radiator Hose Kit

[Part Number 5269-105](#)

**Contact an authorized HPS Performance dealer or
visit us at hpsperformance.com for more details**