

PERRIN

BRZ/FR-S/86/GR86 Strut Tower Brace

2022-03-31

PSP-SUS-066

Thank you for purchasing this PERRIN product for your car! Installation of this product should only be performed by persons experienced with installation of aftermarket performance parts and proper operation of high performance vehicles. If vehicle needs to be raised off ground for installation, the installer must use proper jacks, jack-stands and/or a professional vehicle hoist for safety of the installer and to protect property. If the vehicle is lifted improperly, serious injury or death may occur! Please read through all instructions before performing any portion of installation. If you have any questions, please contact our tech department prior to starting installation. We can be reached in any of the following methods:

Email Tech@PERRIN.com

Instant Chat off the main page of www.PERRIN.com

Or simply call our tech team at 503-693-1702



WARNING: This product can expose you to chemicals including Lead which is known to the State of California to cause cancer birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

SUSPENSION INSTALLATION NOTE

Installation of this product is a modification to the vehicle suspension. As a result, the vehicle may handle differently than that of factory-equipped vehicles. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive this vehicle safely may result in serious injury or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state or country. Consult your owner's manual, service manual, instructions accompanying this product, and local laws before undertaking these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

WHICH WAY IS THE RIGHT WAY?

In ALL situations, when describing left and right sides of the vehicle it is always as though you are sitting in the driver's seat looking forward.

Example of a US Market Vehicle: If standing in front of the car, looking at the engine bay, the Drivers side is described as the LEFT side the vehicle.

SPECIAL NOTES:

- While we have pre-aligned your strut brace only for packaging. It will require removal of caps and adjustments in order to fit.

Parts Included with the PERRIN Front Strut Brace:

QTY	Part#	Part Description
1	X-PSP-SUS-066BKR	Strut Brace Foot for BRZ Right Black
1	X-PSP-SUS-066BKL	Strut Brace Foot for BRZ Left Black
1	X-PSP-SUS-057-1BKL	Strut Brace Cap Left Black Anodized
1	X-PSP-SUS-057-1BKR	Strut Brace Cap Right Black Anodized
1	X-PSP-SUS-066-2	Strut Brace Bar for BRZ
4	X-HOS-123	3/4"ID Silicone Hose Black
8	X-BLT-M6X14CSB-SSBO	M6 x 14mm Button Head Socket cap screw Black Oxide SS
4	X-BLT-M8FNFF-Z	M8x1.25 Flanged Nut Zinc Plated
6	X-BLT-CT080B-18	Zip Tie 8" Long

Strut Brace Installation:

1. Using a 12mm socket, remove forward most nuts (2 on each side) securing OEM cross bars to strut towers.
2. For 2020+ customers, remove center engine cover from intake manifold by pulling straight up. This will not be re-used. See PERRIN.com for information on a replacement engine cover for the 2020 BRZ/GR86.
3. Remove (8) M6 bolts and caps from strut brace feet and set feet onto their corresponding sides of the car.



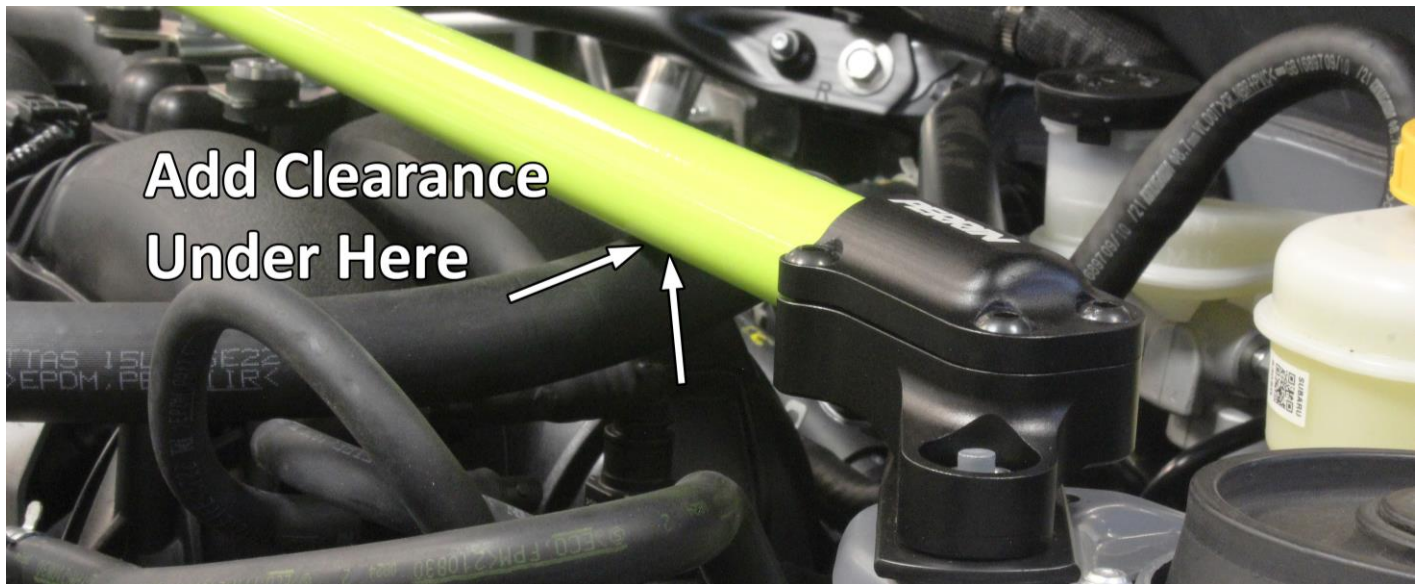
4. Secure PERRIN Strut brace feet to chassis using supplied M8 flange nuts. Leave nuts hand tightened at this time.
5. Place PERRIN Strut brace evenly into strut brace feet and re-install caps using M6 bolts removed previously. Hand tighten (8) bolts at this time.



6. Tighten (2) reachable M8 flange nuts to roughly 14ft-lbs, then remove the strut brace caps and bar to tighten remaining (2) nuts. This step is done to help align feet with strut brace and chassis.



7. Set strut bar back into feet and tighten (8) M6 bolts on strut foot caps to 8ft-lbs to secure.



8. Add clearance or protect the AC hose from strut bar. **NOTE: The sections of aluminum tubing are very malleable and will not fail if instructions are followed.**
 - a. Starting at the firewall section, gently bend AC piping down toward the ground. If you are starting the bend at the firewall bracket you should be able to gain clearance on the strut bar. If additional clearance is needed, gently bent the front AC piping down toward the engine. This pipe is much shorter, so take extreme care when bending or failure can occur.
 - b. Alternatively, you can install supplied $\frac{3}{4}$ " silicone tubing (split down middle) over air conditioner hose where it touches PERRIN Strut bar. Use supplied zip ties to secure on either end. **NOTE: Recheck hose and hose cover every year to ensure bar hasn't worn through silicone cover. If you find excessive wear, call our tech support and we can ship you another piece.**



9. Double check tightness of all hardware and clearance around other components.
10. Take car for test drive and then recheck hardware to make sure nothing came loose.

Questions, Comments and Suggestions Contact: Tech@PERRIN.com
Visit Our Website for Instant Chat Options at www.PERRIN.com
Call Our Tech Team at 503-693-1702