

PERRIN

Subframe Lockdown Kit for BRZ/FR-S/86/GR86

2025-07-10

PSP-SUS-532

Thank you for purchasing this PERRIN product for your car! Installation of this product should only be performed by persons experienced with installation of after market performance parts and proper operation of high performance vehicles. If vehicle needs to be raised off the 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.

Special Notes:

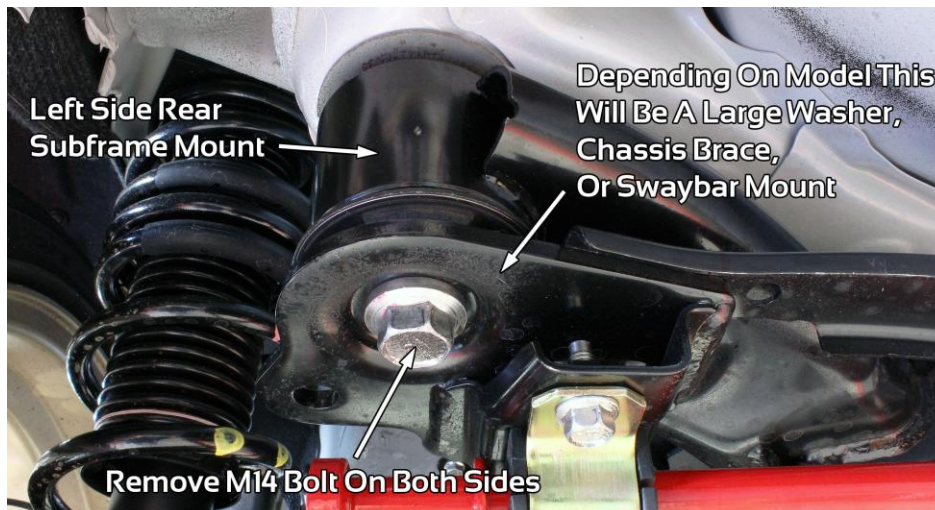
- A slight increase in NVH (Noise, Vibration and Harshness) will be noticed after the installation. This is due to the stiffer nature of the connection of the rear subframe to the chassis. This is completely normal and not something to be concerned with. Clunking of rear suspension is not normal and if found, checking of all bolts for tightness may be necessary.

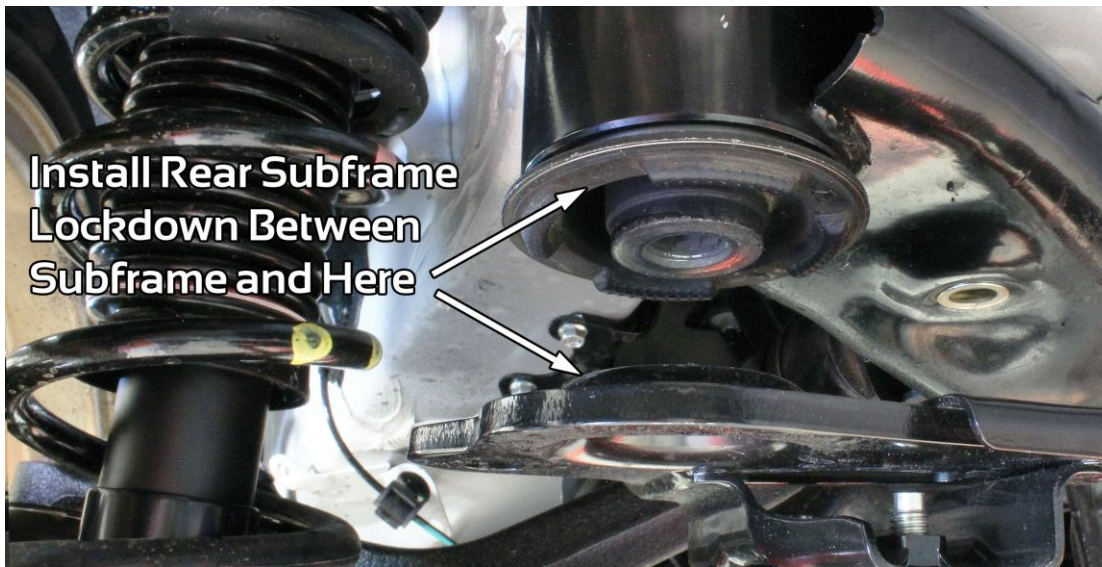
Parts Included with the PERRIN Subframe Lockdown

QTY	Part Number	Description
4	X-PSP-SUS-532	Subframe Lockdown Front (Short) for BRZ

Installation PERRIN Subframe Lockdowns

- Raise car onto jackstands or use commercially available hoist to raise car in air enough so tires do not touch the ground.
- Place a jack under the rear differential and put a small amount of tension on it.
- Locate rear subframe and its (4) chassis attachment points at each corner held on by large M14 bolts.

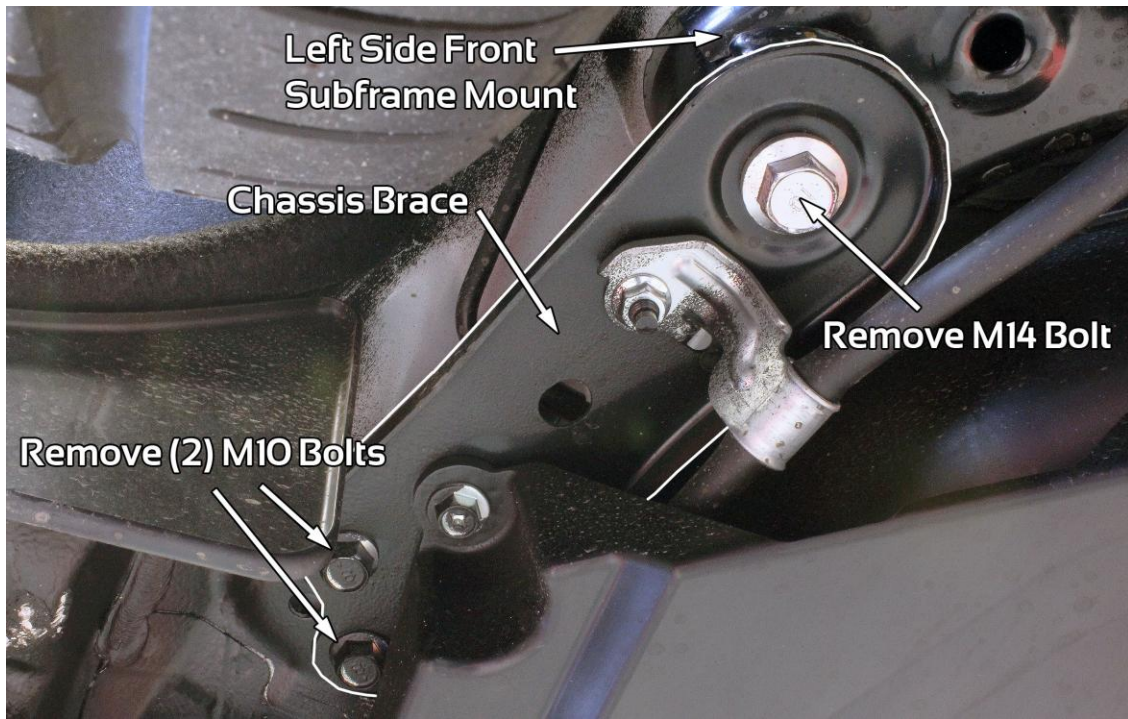




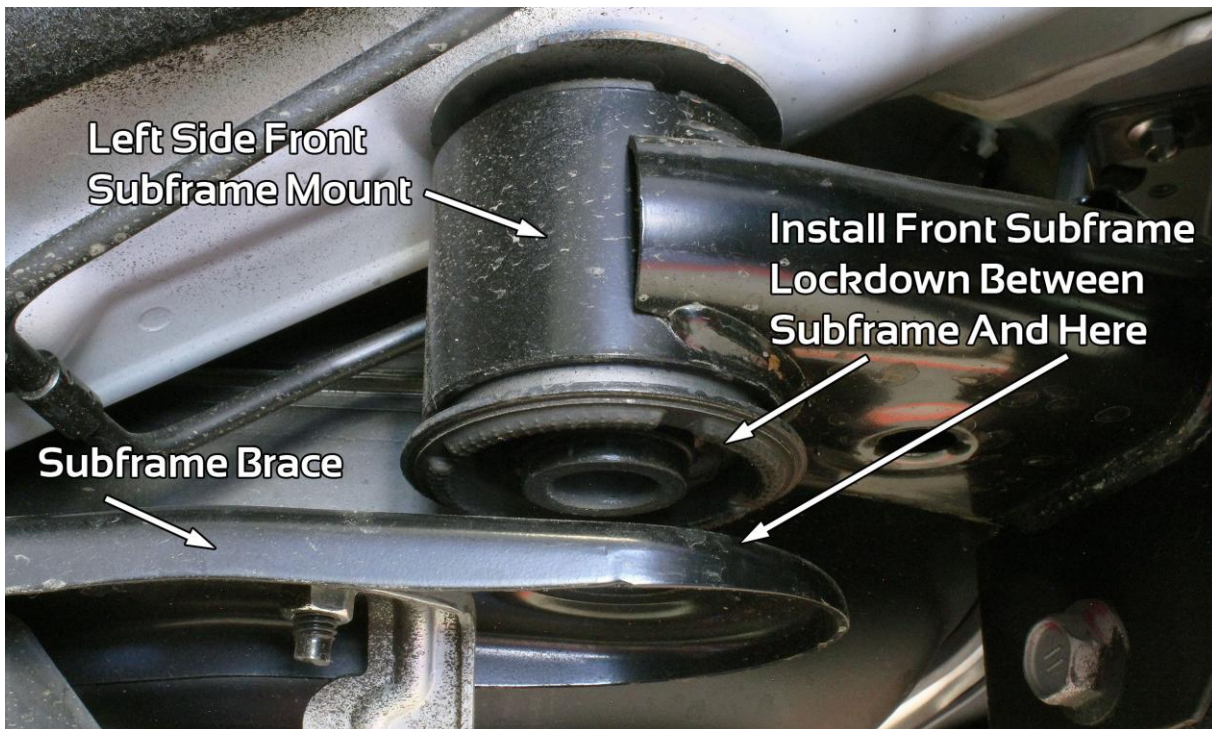
4. Starting at the (2) rear mounting points, remove the M14 bolt from both sides of the subframe:
 - a. 2013-2021 BRZ models will have large washers between bolt head and subframe that will be removed at the same time.
 - b. 2022+ BRZ models will have a long thin steel brace that is used to mount the swaybar to the chassis. This will fall down as the bolts are removed.
 - c. 2013+ FR-S/86/GR86 models will have large washers between bolt head and subframe that will be removed at the same time.
5. Start with one side and place PERRIN Subframe Lockdown over the subframe and subframe bushing making sure to orient the PERRIN logo toward the rear of the car.



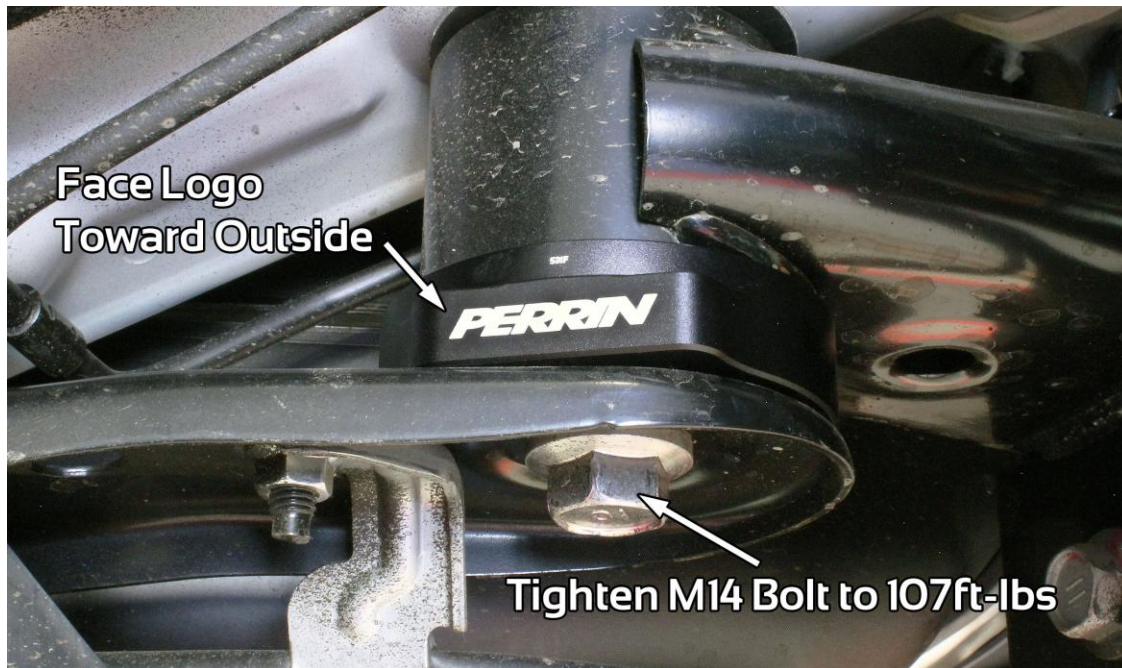
6. Depending on the model, place the large washer or steel brace back into place, then reinstall bolt back into the subframe roughly 2-3 turns.
7. Do the same thing on the remaining side of the rear subframe, and then tighten both M14 bolts to 107ft-lbs.



8. Locate both front subframe M14 bolts and (2) braces that secure it to the chassis. Remove (2) M14 bolts securing subframe to the chassis and (4) M10 bolts securing braces to the chassis. Depending on the year of car, the brace will also fall off the car. **NOTE: Some models have a brake cable and/or a plastic guard bolted to each brace. These will hold the brace in place during this step.**



9. Place PERRIN Subframe Lockdown over the subframe and subframe bushing, making sure to orient the PERRIN logo outwards.
10. Place the small brace over the PERRIN Subframe Lockdown, re-install (2) bolts securing it to the chassis, then reinstall the large bolt roughly 2-3 turns to secure the subframe to the chassis.
11. Install (2) M10 bolts securing brace to chassis.
12. Do the same thing on the remaining side of the rear subframe.



13. Torque all (4) M10 bolts to 52ft-lbs, then torque all (2) M12 bolts to 107ft-lbs.
14. Lower jack from differential, then remove car from jack stands and take for a test drive. Ensure that no clunking is heard during the test drive. If clunking is heard, recheck the entire installation. If further clunking is heard, please contact the tech department.

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