

# PERRIN

## PERFORMANCE

### BRZ/FR-S Steering Rack Lockdown

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 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@PERRINperformance.com](mailto:Tech@PERRINperformance.com)  
Instant Chat off the main page of [www.PERRINperformance.com](http://www.PERRINperformance.com)  
Or simply call our tech team at 503-693-1702

#### SUSPENSION INSTALLATION NOTE

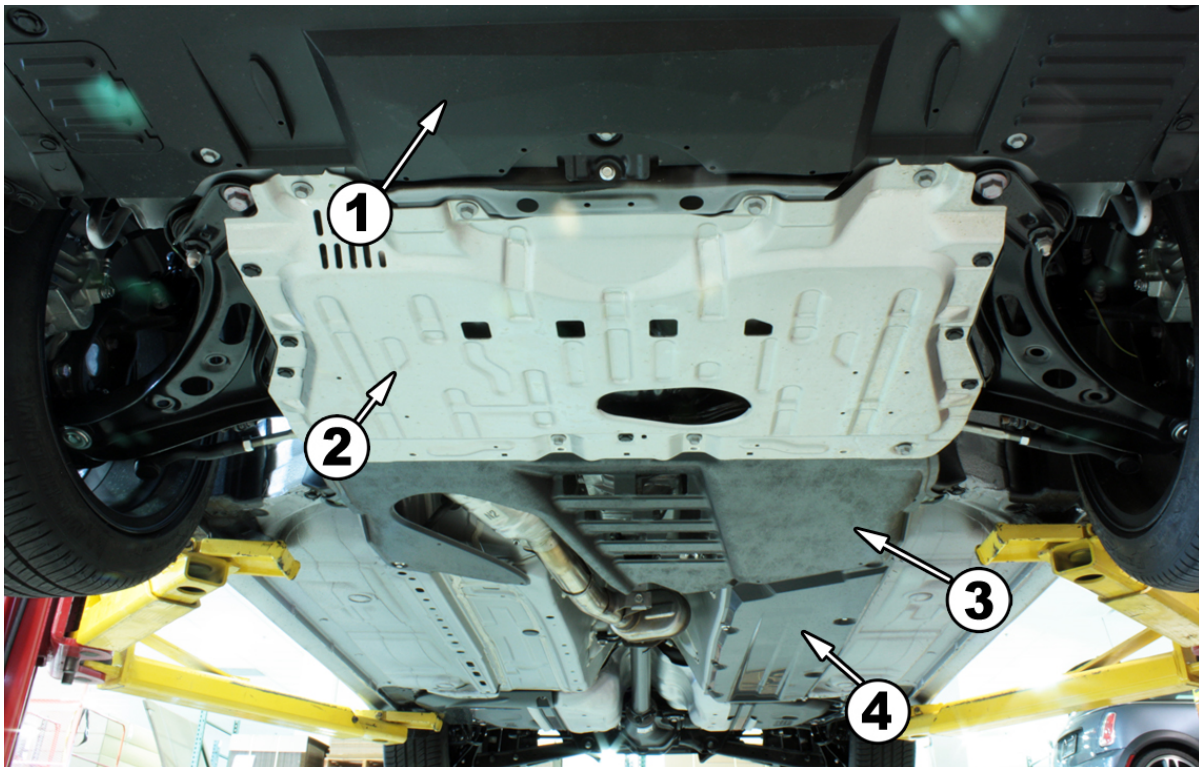
Installation of this product is a modification to the vehicle suspension. As a result, the vehicle may handle differently than that of factory-equipped vehicles. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat 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:

- The use of a factory service manual is highly recommended. This can be downloaded at <http://techinfo.subaru.com>.
- In most all situations, there is no need for a re-alignment of the car after installation. If for some reason your steering wheel is crooked after install is complete, get an alignment. This may be an indication that there is other damage to the car.

#### Parts Included with the BRZ/FR-S Steering Rack Lockdown:

- (1) PERRIN BRZ/FR-S Steering Rack Lock Left side (X-PSP-SUS-560-L)
- (1) PERRIN BRZ/FR-S Steering Rack Lock Right Side (X-PSP-SUS-560-R)
- (1) 5/64" Hex Key
- (1) Small Threadlocker Packet



#### Installation

1. Raise vehicle off the ground. The vehicles weight must be supported by jack stands. Death or serious injury could result from an improperly supported vehicle.
2. Using the above diagram, remove lower fiberglass woven shield (#3 above). Locate and remove (11) 10mm bolts securing it to car.

3. Locate both left and right steering rack mounts and remove 17mm bolt holding them to chassis.
4. Slide Left Steering Rack Lock over left steering mount and slide Right Steering Rack Lock of right side steering mount. Use below pictures as a guide. **NOTE: As cars get older and bushings wear out, it's possible that some force may be necessary to force Steering Rack Locks over bushings.**
5. Reinstall both 17mm bolts through PERRIN Steering Rack Lock and hand tighten. After both are tightened, torque both bolts to 65ft-lbs
6. Apply a small amount of supplied thread locker to each of the (4) set screws. Make sure and cover at least 360 degrees around set screw and at least 50% of the length. Thread locker sets up up in 10 minutes, and cures in 24 hours, so make sure to finish the next step quickly.



7. Thread each set screw into both sides of left and right PERRIN Steering Rack Lock.
8. Using supplied wrench, tighten set screws on the tighter side of hand tight. **NOTE: While the PERRIN Locks capture the steering rack with tight tolerances, the set screws are used to ensure that there is ZERO movement between them that may create noise.**
9. Reinstall lower splashguard removed earlier.
10. Lower car from jack stands or hoist.
11. Before starting car, turn the key to the **on position** and turn the steering wheel back and fort quickly. Listen for any knocking or clunking that wasn't there previous to the installation. If there are any noises, recheck all hardware for being tight.
12. Take car for test drive to test for any further noises relating to steering. If no sounds are found, installation is complete.

**FOR QUESTIONS & COMMENTS PLEASE CONTACT**

[TECH@PERRINPERFORMANCE.COM](mailto:TECH@PERRINPERFORMANCE.COM)

503-693-1702

Live Chat with us on our website