



## 22mm Front WRX/STI Adjustable Sway Bar

Thank you for purchasing the PERRIN front sway bar. Installation of this sway bar should only be performed by persons experienced in the installation and proper operation of suspension systems. *Please read through all the instructions before performing the installation.*

SPECIAL NOTES ABOUT THIS PRODUCT: Many modifications (and combinations of modifications) are not recommended and may NOT be permitted in your country, state or other form of local government. Consult your owner's manual, instructions for each product and all laws before undertaking these modifications. The owner and user are solely responsible for the legality and safety of the vehicle you modify using these components! ALTA and PERRIN Performance are not responsible for any physical or financial damages as result of proper or improper installation, usage or ownership of this product.

Use of this suspension product will result in a change in the handling characteristics of your vehicle. As with ANY vehicle, extreme care must be taken to prevent loss of control or roll-over during all driving 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! Once installed do NOT drive the vehicle unless you are familiar with its unique handling characteristic and confident in your ability to maintain control under all driving conditions.

Questions? Please contact us prior to proceeding with installation or use. Contact information is located on this page.

### **SPECIAL NOTES:**

- It is critical that all bolts and nuts are tightened, improper tightening can cause serious injury or death.
- Make sure to use supplied Energy Suspension grease with installation. Do not use regular grease.

### **Parts Included with the PERRIN WRX/STI Front Swaybar:**

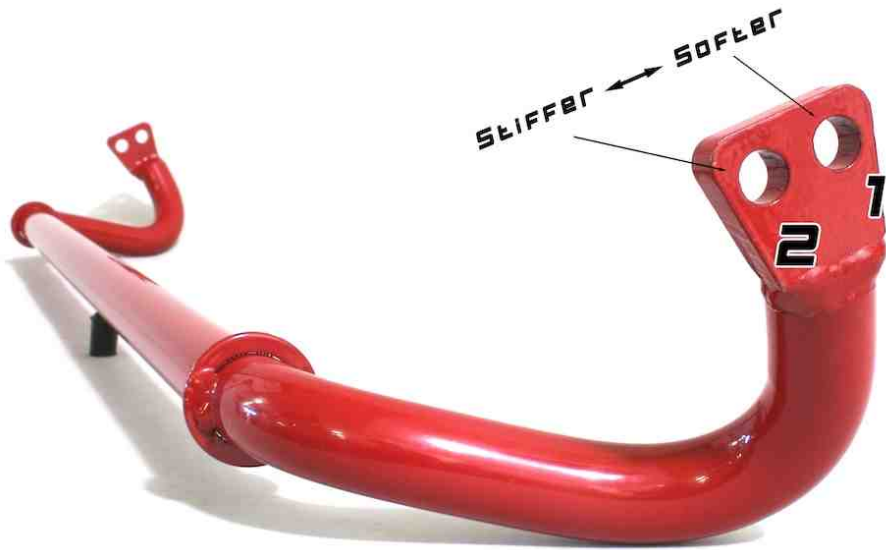
- (1) 22mm Front Subaru swaybar
- (2) 22mm(5709) Sway bar bushings
- (1) Energy Suspension Grease Packet

Checked By \_\_\_\_\_

### **Install PERRIN sway bar:**

1. Park car on a smooth level surface. Using suitable commercial vehicle hoist or floor jack, raise vehicle onto jack stands. NEVER WORK UNDER A VEHICLE SOLELY SUPPORTED BY A JACK! DEATH OR INJURY MAY OCCUR.
2. Remove front splashguard. Locate (3) 12mm bolts, and (4-6) plastic pop-it connectors.
3. Remove "C" shaped under chassis brace from chassis. Remove square panel from sub frame by removing (4) 12mm bolts.
4. Remove end links, bushings and brackets to remove stock swaybar. Leave endlinks attached to control arm.
5. Generously grease bushings using supplied grease and place bushings on bar. Align bushings with chassis prior to installing.
6. Install the PERRIN bar using supplied bushings and OEM brackets. **Note: Swaybar installs/dips under steering linkage not over!**
7. Connect end links using stock hardware removed earlier.
8. End links can be bolted to either of the two mounting holes. The hole closest to the front of the car is the stiffest setting; the hole closest to the rear is the softest setting. NOTE: Stiffer settings will reduce vehicles tendency to over steer.
9. Re-Install square panel from sub frame. Tighten (4) 12mm bolts/nuts to 25ft-lbs. Reinstall "C" shaped under chassis brace. Tighten 12mm bolts to 25ft-lbs, 17mm bolts to 41ft-lbs, and 14mm bolts to 52ft-lbs.
10. Reinstall engine splashguard removed earlier. Tighten 12mm bolts to 18ft-lbs.
11. Lower vehicle from jackstands or hoist, and proceed to test drive. If "squeaking" is noted in front of car, re-grease bushings.

NOTE: STIFFER SETTINGS WILL INCREASE VEHICLES TENDENCY TO UNDER STEER. THE HANDLING OF YOUR VEHICLE WILL BE AFFECTED DRAMATICALLY WITH THE INSTALLATION OF THIS SWAY BAR AND THE END LINK POSITION YOU CHOOSE. DRIVE VEHICLE CAUTIOUSLY UNTIL YOU BECOME FAMILIAR AND ACCUSTOMED TO THE NEW HANDLING CHARACTERISTICS OF YOUR VEHICLE!

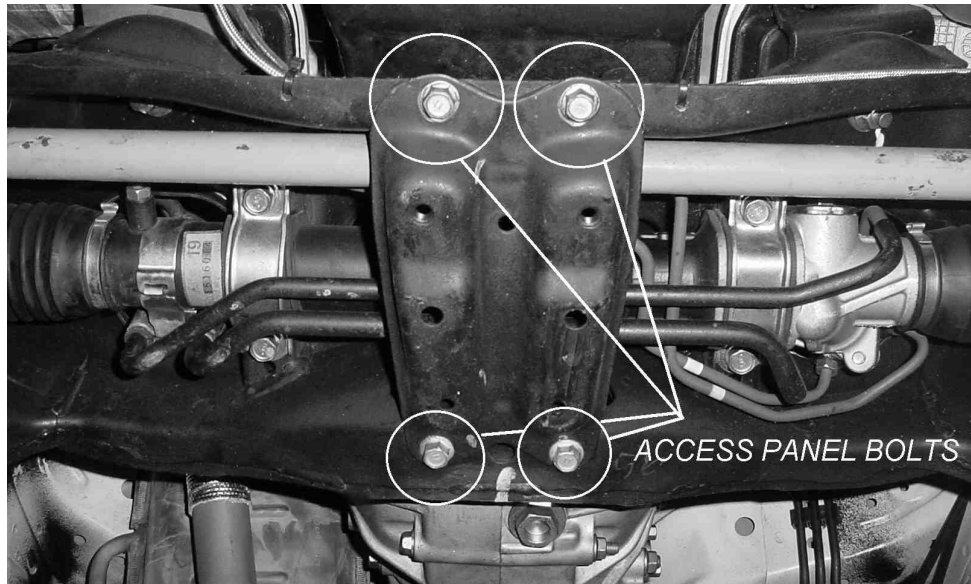


**Percentage Increase in stiffness over OEM 21mm bar**

	Setting #1	Setting #2
<b>PERRIN 22mm</b>	125%	155%
<b>PERRIN 25mm</b>	215%	260%



*Above picture shows sub frame bolt locations. STI models may contain 1 extra bolt.*



*Above picture shows lower square sub frame panel*

***PERRIN Performance Highly Recommends These Complimentary Products:***

- PERRIN PSRS system
- PERRIN Rear swaybars 22mm or 25mm
- PERRIN Front and Rear links