

# **PERRIN**

## **POSITIVE STEERING RESPONSE SYSTEM for** **2002+ Legacy, 2008+ WRX/STI**

07252008

Thank you for purchasing the PERRIN Positive Steering Response System (P.S.R.S.) Installation of these components should only be performed by persons experienced in the installation and proper operation of Subaru suspension systems. PERRIN PERFORMANCE IS NOT RESPONSIBLE FOR DAMAGE TO THE VEHICLE, ITS COMPONENTS (E.G. TIRES), OR TO ANY OTHER PROPERTY, OR PERSONS.

### **SPECIAL NOTES:**

- The use of a factory service manual is highly recommended. These can be purchased or downloaded online at <http://techinfo.subaru.com>.
- <http://subaru.spx.com> is a place to buy OEM tools.
- It is critical that all bolts and nuts are tightened, improper tightening can cause serious injury or death.
- A hydraulic press is needed to remove and install PSRS.
- A four wheel alignment is required upon completion of installation. The vehicle must be towed to alignment shop. If car cannot be towed, take extreme care while driving to alignment shop. Have your alignment scheduled ahead of time.

### **Parts Included with the PERRIN PSRS:**

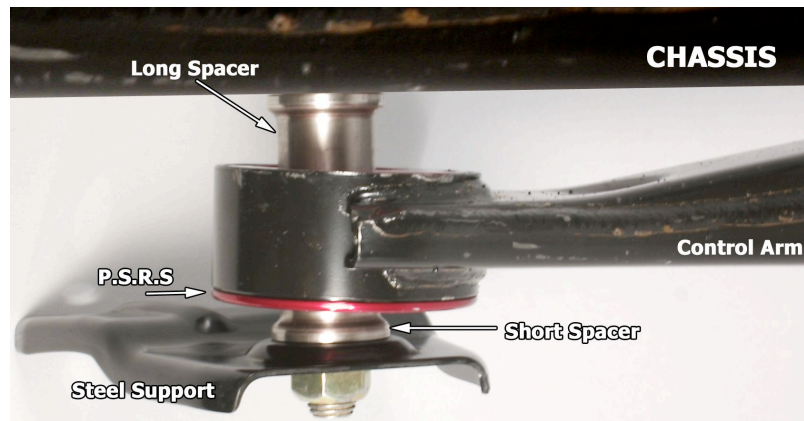
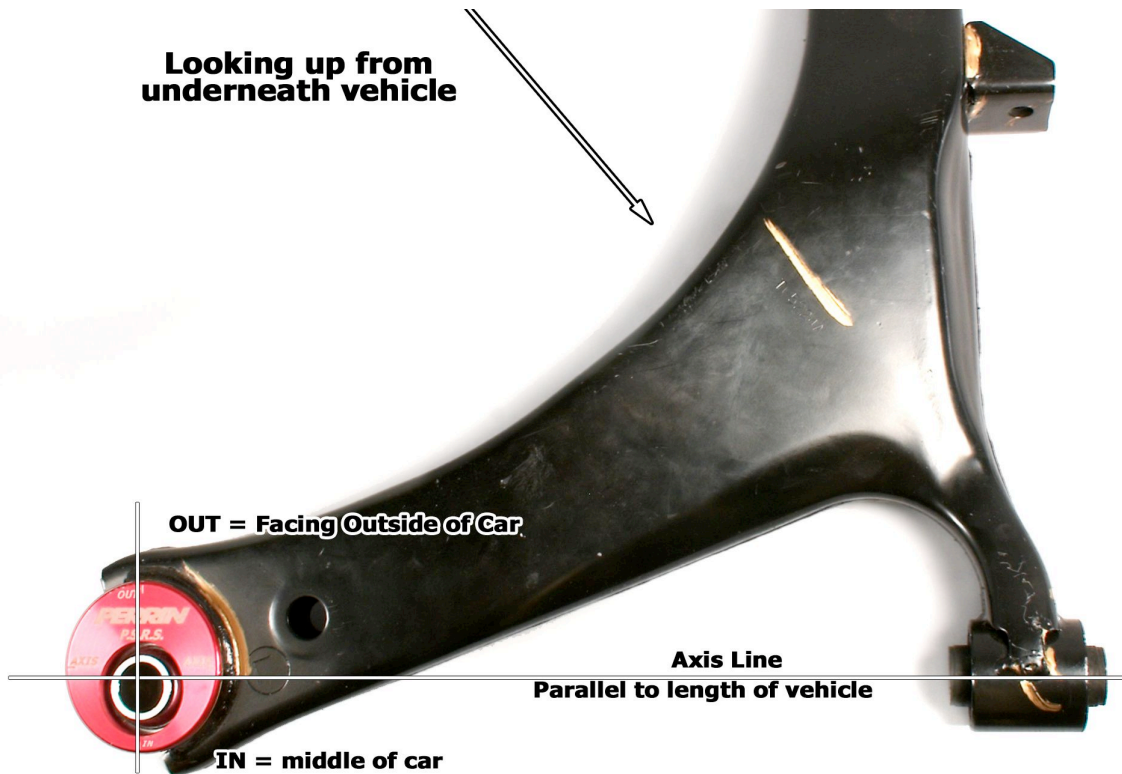
- (2) PSRS Bodies
- (2) PSRS Long Spacers
- (2) PSRS Short Spacers

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

### **Removal and Installation:**

- 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) Using factory service manual for reference remove both front transverse links from vehicle.
- 3) Prepare for installation of the PERRIN P.S.R.S. transverse link rear mount (See Fig1) Note: Install one side at a time making sure to use alignment marks on P.S.R.S.
  - a. Remove OEM rubber mount from transverse link using a hydraulic press. Clean area P.S.R.S. will be pressed into using brake cleaner.
  - b. Align P.S.R.S. such that when control arm is installed, logo is readable from underneath car. See fig 1.
  - c. Before pressing into control arm, rotate P.S.R.S. until OUT is facing outside of car, and IN facing toward the transmission. The AXIS will be aligned with the front bushing, and P.S.R.S. This line is also parallel to length of car.
  - d. Place P.S.R.S. mount over transverse link, and using a hydraulic press, press P.S.R.S. into transverse link until flange on P.S.R.S. is bottomed out on transverse link.
  - e. Verify P.S.R.S. is aligned correctly with chassis before reinstallation of transverse link.
- 4) Before installing P.S.R.S. onto chassis, slide long spacer (large end toward chassis) onto large bolt in chassis.
- 5) Install transverse link into subframe, drive axle hub, and over large bolt, making sure large spacer is between P.S.R.S. and chassis.
- 6) Install small spacer and small black lower support brace in one step. Make sure to reuse factory bolts and nut when installing.
- 7) Torque all bolts and nuts to factory specs.
- 8) Reinstall front endlinks to control arms, and repeat process on other side of car.
- 9) Install wheels.
- 10) Lower vehicle from hoist or jack stands.
- 11) Take for short test drive. If abnormal noises are noted, check torque specs on all nuts and bolts.
- 12) Immediately drive (preferably tow) to professional alignment shop.
- 13) Have vehicle professionally aligned to factory or desired specifications only as recommended by a qualified professional.

NOTE: SOME MINOR INCREASE IN ROAD NOISE MAY BE PRESENT AFTER INSTALLATION. THIS IS A NORMAL BY-PRODUCT OF THE P.S.R.S. HOWEVER, CLUNKING, SNAPPING OR POPPING NOISES ARE NOT CONSIDERED NORMAL AND INSPECTION IS REQUIRED PRIOR TO ADDITIONAL ROAD TESTING OR DELIVERY TO CUSTOMER!



**Suggested Parts To Compliment your PSRS**

- *Front and rear PERRIN swaybars*
- *Front and rear PERRIN endlinks*

**For questions & comments please contact**  
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