

PERRIN

PERFORMANCE

Positive Steering Response System 04-07 STI and 06-07 WRX

2014-03-20

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

Instant Chat off the main page of 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:

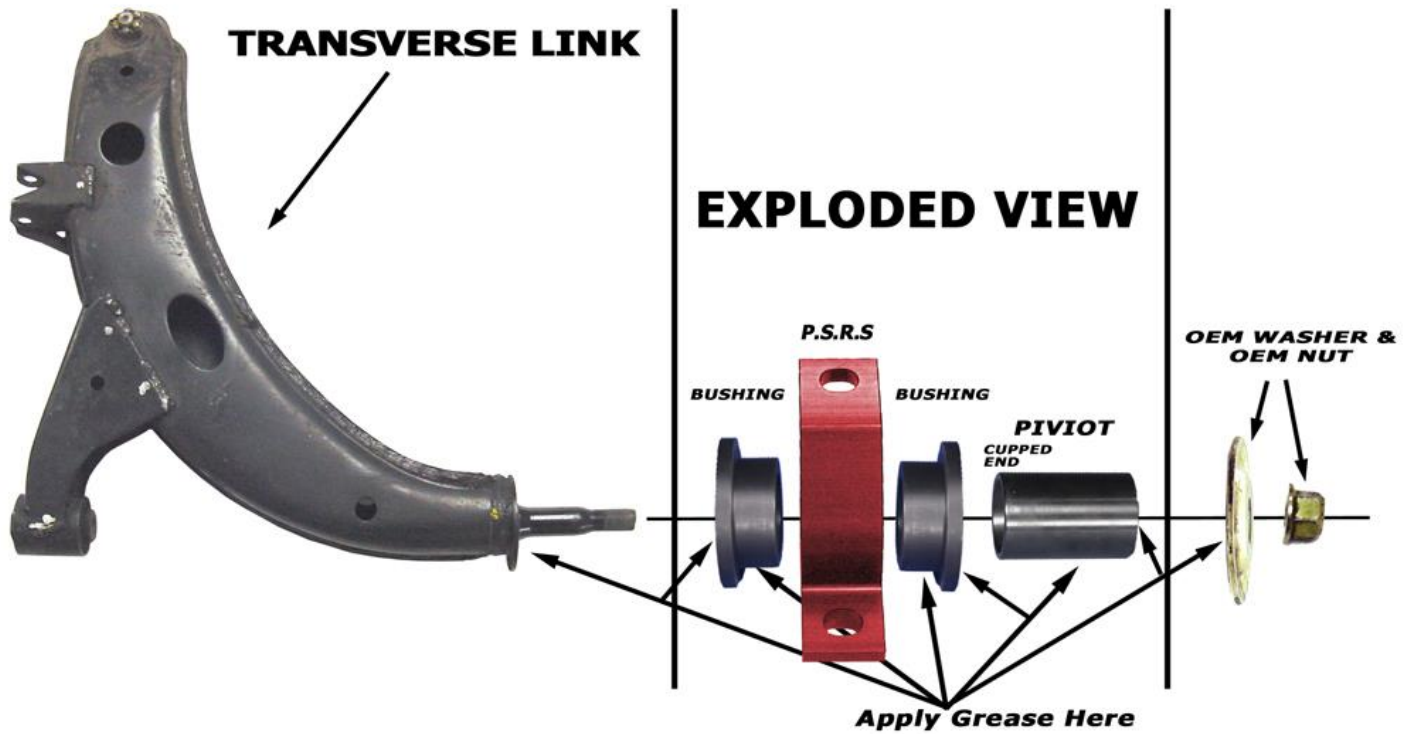
- The use of a factory service manual is highly recommended. These can be purchased, or downloaded online at <http://techinfo.subaru.com>
- It is critical that all bolts and nuts are tightened, improper tightening can cause serious injury or death.
- A four wheel alignment is required upon completion 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 STI PSRS:

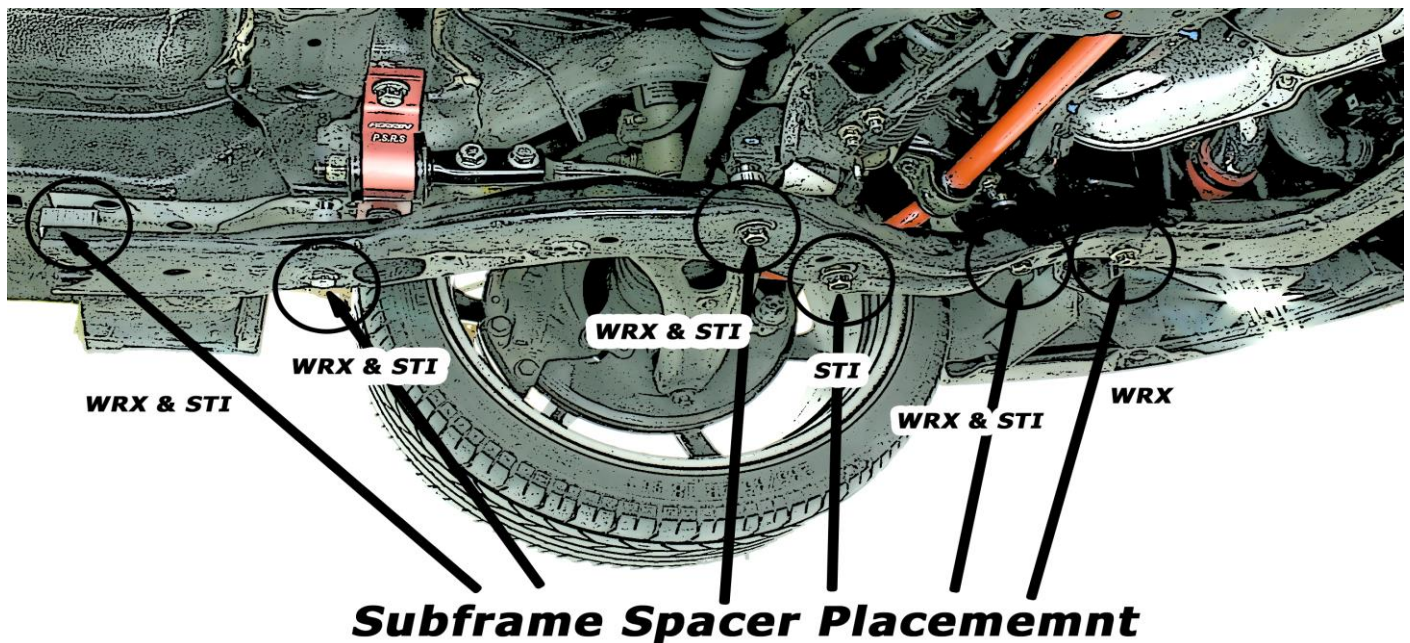
- (2) PSRS Bodies w/Grease Fittings
- (4) Bushings
- (2) SS Center Pivots
- (2) Rectangle Spacer Blocks
- (2) .600" Round Spacers
- (2) .430" Round Spacers
- (2) .360" Round Spacers
- (2) .190" Round Spacers
- (4) M10x80mm Full thread bolt
- (4) 7/16" Washers
- (1) Energy Suspension Grease Packet

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 sub-frame brace and both front transverse links from vehicle. **NOTE: Alternatively, loosen front transverse link connection (not remove) and remove (2) 17mm bolts securing rear "stub" where OEM bushing is mounted. This allows the control arm to stay installed in car.**
- 3) Preparation and installation of the PERRIN P.S.R.S. transverse link rear mount. Install one side at a time making sure to use correctly marked P.S.R.S.:
 - a. Remove OEM mount from transverse link making sure to remove all rubber bumpers. Keep large black steel washers as they will be reused. Make sure to clean off all dirt from large washers as this becomes a bearing type surface.
 - b. Assemble P.S.R.S. as shown below. Grease surfaces of flat washer that come in contact with P.S.R.S. bushings, and any other moving parts.
 - c. P.S.R.S are orientated so PERRIN logos face toward inside of car and are readable from underneath. L & R labels indicate side of car they will be installed on.
 - d. Place P.S.R.S. mount over transverse link, making sure that cupped end of pivot faces front of car.
 - e. Reinstall large black steel washer used on rear of factory mount making sure flatter side faces bushing.
 - f. Secure both mounts using locking nut removed earlier. Tighten to factory torque specs. **NOTE: This procedure needs to be done BEFORE P.S.R.S. is bolted to the chassis. Failure to do this in order will cause permanent damage to the P.S.R.S. This damage is not covered under warranty.**



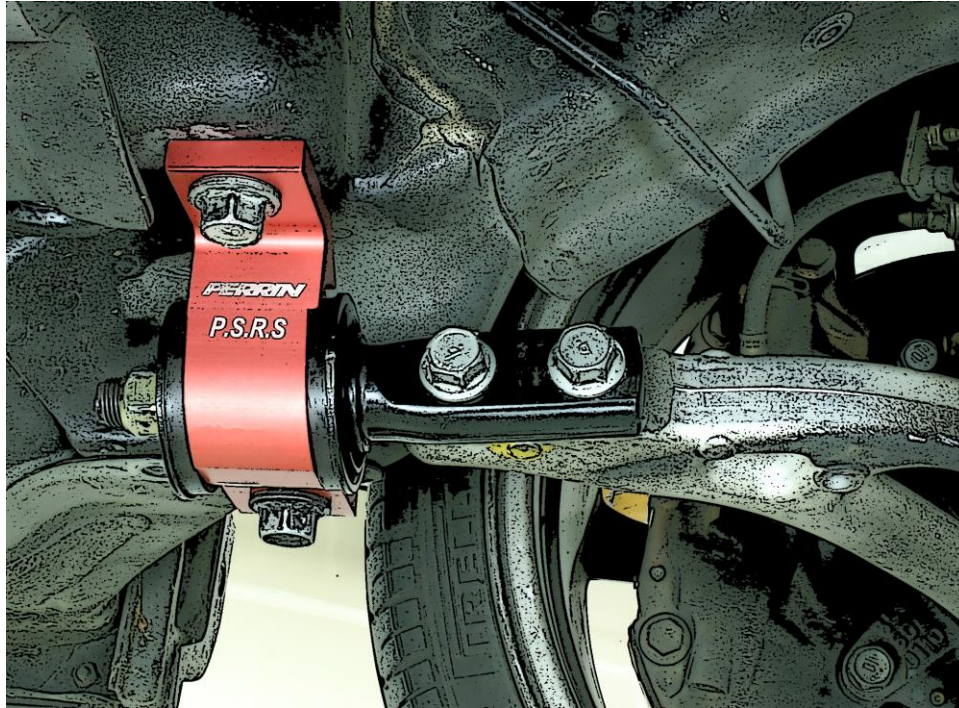
- 4) Re-install transverse link with new PERRIN P.S.R.S. into vehicle. **Note: Some rotation of the P.S.R.S. may be needed to align mounts to chassis. When installing transverse link, if the slots in the P.S.R.S. body don't line up with holes in chassis, the P.S.R.S. may be installed on the wrong side of the car.**
- 5) Re-install sub-frame brace removed in step 2) by first attaching the (2) 12mm bolts into radiator support.
- 6) Discard (4) OEM 14mm bolts removed in step 2 above. Attach rearmost sub-frame mount into body placing the square spacer between the body and the sub-frame. Loosely install (2) supplied bolts through sub-frame brace and square block.
- 7) Place the next thickest spacer between the sub-frame and the body at hole just forward of the square spacer and use (2) supplied bolts to secure. Working from rear to front, continue placing progressively thinner spacers between the frame and body and loosely secure with OEM bolts removed earlier. **NOTE: Spacers will not continue completely to the front of the vehicle.**



- 8) See factory service manual for appropriate torque specifications and torque sequences for all suspension bolts.

- 9) Lower vehicle from hoist or jack stands.
- 10) Road test vehicle and listen for any clunks or abnormal sounds. If any abnormal sounds are found, recheck installation.
- 11) Within 20 miles, a professional alignment must be done. This is important as excessive tire wear can occur if driven beyond 20 miles.
- 12) Supplied grease fitting can be used to lube PSRS on car. This may be necessary in areas where roads are salted or corrosion is very high.

NOTE: SOME SLIGHT ADDITIONAL 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!



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