

# PERRIN

## PERFORMANCE

### Front Endlink Kit w/Urethane Bushings for all Impreza/Legacy/Forester

2013-04-04

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. These can be purchased or downloaded online at <http://techinfo.subaru.com>.
- Use included washers to align links perpendicular to ground when car is on the ground. Some angle is ok, but the more perpendicular the better.

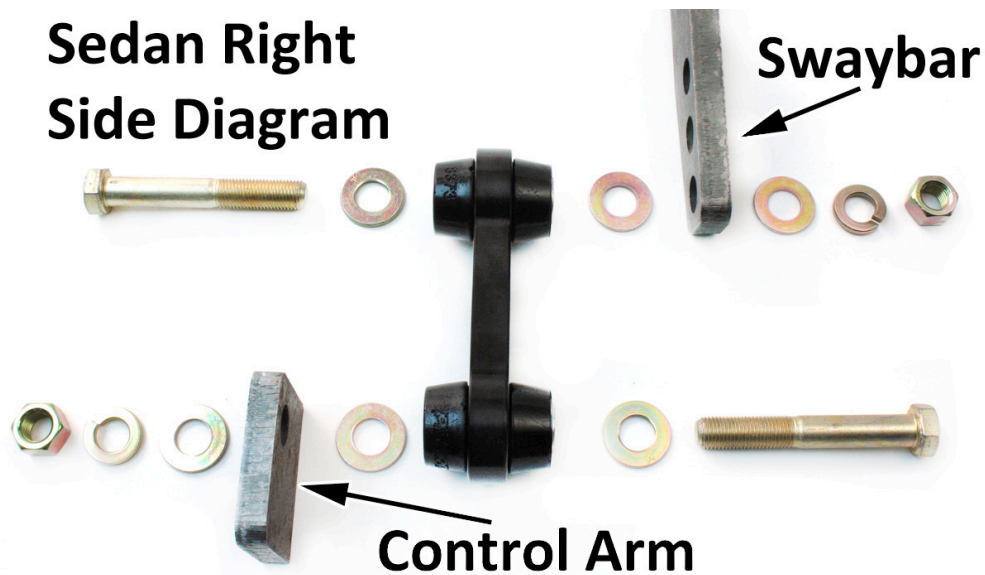
#### Parts Included with PERRIN Front End Link Kit:

- (2) PERRIN Front endlinks
- (1) Energy Suspension Grease packet
- (4) 3/8-24 x 2.5" bolts grade 8 hex bolts
- (4) 3/8" grade 8 split washer
- (16) 3/8" grade 8 washers
- (4) 3/8-24 grade 8 nuts

#### Front End Link Install

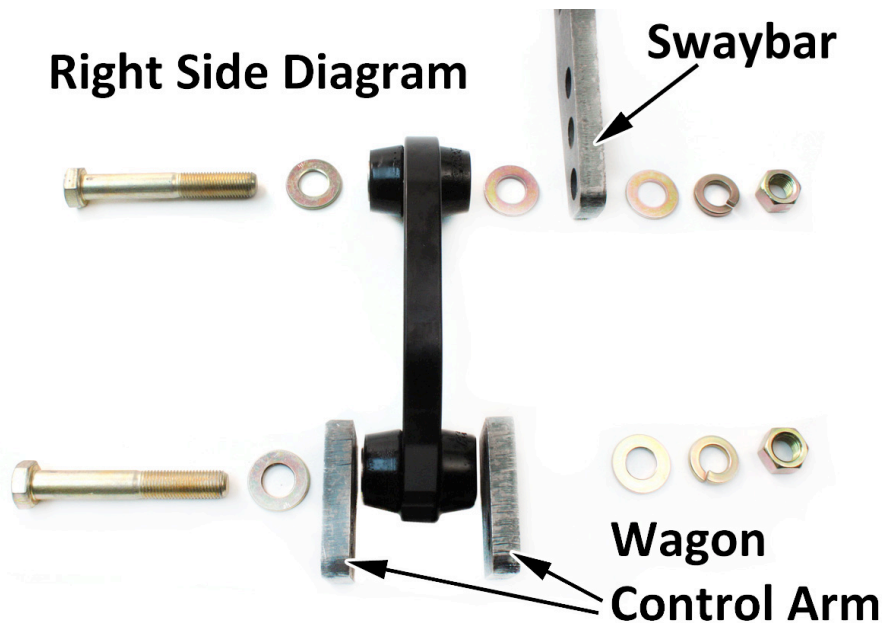
1. Raise vehicle onto jack stands or hoist. Remove front endlink on both sides of vehicle. Use 14mm wrench to remove nut. If center bolt spins and nut will not loosen, use 5mm allen key in end of center bolt to hold.
2. Using below pictures of right side of vehicle for illustration, install end links to swaybar. Do left and right sides before proceeding to next step.
  - a. Install supplied 3/8" washer onto head of bolt.
  - b. Place bolt through endlink, then install one more 3/8" washer. **NOTE: Apply a small amount of grease to both sides of endlink bushing that touch 3/8" washer.**
  - c. Install endlink w/bolt and washer to swaybar then install supplied 3/8" flat washer, then 3/8" lock washer, then 3/8" nut to secure endlink to swaybar. Leave loose at this time.
3. Using below pictures of right side of vehicle for illustration, install end links to lower control arm. Do left and right sides at the same time. This step will vary from depending on if you have a wagon or a sedan.
  - a. If you have a Sedan, or 08+ car, follow the "Sedan" diagram. Install supplied 3/8" washer onto head of bolt. Place bolt through endlink, then install one more 3/8" washer. **NOTE: Apply a small amount of grease to both sides of endlink bushing that touch 3/8" washer.** Install endlink w/bolt and washers to control arm then install supplied 3/8" flat washer, then 3/8" lock washer, then 3/8" nut to secure endlink to control arm. Leave loose at this time.

## Sedan Right Side Diagram



- b. If you have a Wagon or 93-00 Impreza follow below picture. First you will need to drill out holes in control arm to 3/8" This is done to accept supplied 3/8" bolt. Place endlink between both tabs on control arm and install supplied bolt. **NOTE: Apply a small amount of grease to both sides of endlink bushing that touch each side of control arm.** Install supplied 3/8" flat washer, then 3/8" lock washer, then 3/8" nut to secure endlink to control arm. Leave loose at this time.

## Right Side Diagram



4. Snug bolts down to hand tight and lower car to ground.
5. Ensure endlinks are close to perpendicular to ground. Depending on swaybar and amount car is lowered, you may need to "straighten them out". This is done by adding additional 3/8" washers between endlink and swaybar, and or control arm (wagon models will only add to swaybar side). Its common to add 1-2 washers to top connections. Failure to straighten out endlinks can cause premature wear on bushings.
6. After links are aligned properly, tighten bolts to 35-40-ft-lbs starting with upper connections on both sides then moving to lower control arm connections.
7. Lower car from jack stands and take car for test drive.
8. If endlinks making any kind of noise, check for hardware being tight.
9. Over time, endlink bushings may need to be regreased. Only use supplied Energy Suspension Grease to lubricate both the internal sleeve in bushing and face of bushing that touches the washers. Failure to use this grease can damage bushings over time. If additional grease is needed, give our Tech department a call and we can get you taken care of.

Questions, Comments and Suggestions Contact: [Tech@PERRINperformance.com](mailto:Tech@PERRINperformance.com)

Visit Our Website for Instant Chat Options at [www.PERRINperformance.com](http://www.PERRINperformance.com)

Call Our Tech Team at 503-693-1702