

PERRIN

PERFORMANCE

FRONT END LINK KIT for all Impreza/Legacy/Forester

2012-03-02

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

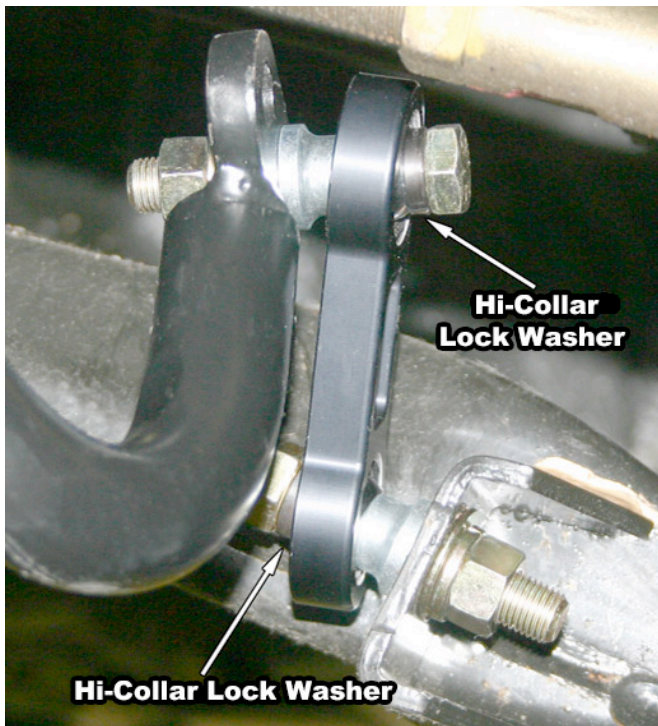
Installation of this product is a modification to the vehicle suspension. As a result, the vehicle may handle differently than that of factory-equipped vehicles. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat 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's important to make sure spacers and washers are aligned properly. 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.
- If your car is driven during winters in states that salt the roads, its important to wash off dirt and salt to ensure premature corrosion doesn't occur. An alternative is to put some heavy duty, water proof bearing grease around bearings to keep out water and dirt.

Parts Included with PERRIN Front End Link Kit:

- (2) PERRIN Front endlinks
- (6) SS Front endlink Spacers
- (4) 3/8" grade 8 split washer
- (4) 3/8" Hi-collar lock washer (thinner ones)
- (4) 3/8-24x2" bolts grade 8 hex bolts
- (16) 3/8" grade 8 washers
- (4) 3/8-24 grade 8 nuts



Impreza Sedans, Legacy, Forester and all 08+cars

Endlink attaches to control arm on one side and sway bar on the other side.



Impreza Wagons 02-07

Endlink is sandwiched between two flanges on lower control arm. Drill 3/8" hole through control arm to accept PERRIN endlink bolts.

Front End Link Install

1. Raise vehicle onto jack stands or hoist. Remove stock front endlink on both sides of vehicle. Use 14mm wrench to remove nut. If center bolt spins and nut will not loosen, use 6mm allen key in end of center bolt.
2. Using above pictures for illustration, install end links to swaybar. Do left and right sides before proceeding to next step.
 - a. Install Hi-Collar Lock washer (smaller OD Silver Lock Washer) onto head of bolt.
 - b. Place bolt through endlink, then install Stainless Steel spacer on other side of end link making sure small diameter of spacer faces endlink bearing, not swaybar!
 - c. Install endlink 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. **Note: If installed properly, hi-collar lock washer and small side of spacer are touching the bearing in the endlink.**
3. Using above pictures 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 left picture above. Install Hi-Collar Lock washer (smaller OD Silver Lock Washer) onto head of bolt. Place bolt through endlink, then install Stainless Steel spacer on other side of end link making sure small diameter of spacer faces endlink bearing, not swaybar. Install endlink 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. **Note: If installed properly, hi-collar lock washer and small side of spacer are touching the bearing in the endlink.**
 - b. If you have a Wagon or 93-00 Impreza follow right picture above. First you will need to drill out holes in control arm to 3/8". Place two stainless steel spacers on both sides of endlink making sure to place smaller end of spacer toward endlink. Slide bolt through control arm, spacers and endlink then out other 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. **Note: If installed properly, small sides of spacers are touching the bearing in the endlink.**
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 stainless steel spacer and swaybar, and or control arm (wagon models will only add to swaybar side). Its common to add 1-2 washers to both top and bottom connections. Failure to straighten out endlinks can cause premature wear on bearings.
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 bearings will loosen up and can eventually make noise. When this happens it's a sign to replace bearing with new ones. If this happens, give our Tech department a call and we can get you taken care of.

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