



# Installation Instructions

## RalliTEK Lift Springs

These instructions are to assist in installing new springs on a Subaru global platform. For older models, the front strut removal / install and disassembly / reassembly process will be essentially the same. On older Subaru models the rear strut removal / install process may differ but the strut disassembly / reassembly process will be the same.

RalliTEK springs are engineered based off of a brand new OEM vehicle. Depending on the age and mileage of your vehicle, you may notice a difference in the advertised lift versus the actual lift once installed. This can be caused by many factors but most notably is caused by bushing bind and sagging OEM springs. RalliTEK springs will restore OEM ride height and lift the vehicle the advertised amount.

### Suggested Tools:

- Metric Sockets, Ratchets, Wrenches, Offset Box End Wrenches
- Screw Drivers, Pliers
- Jack, Jack Stands, Wheel Chocks
- Spring Compressor

### Safety Warnings:

- Always support the vehicle with jack stands before working underneath
- Use only the parts supplied by RalliTEK to install this kit
- Check ALL the fasteners for tightness before and after road testing the vehicle
- **Do not use an impact wrench when re-installing bolts as stripped threads may occur**

### NOTICE

**We recommend professional help when using spring compressors. Compressed springs have and incredible amount of potential energy and can be very dangerous. Install at your own risk.**

Exercise caution during installation and operation of this product to prevent harm or damage to equipment. Thoroughly read and understand all safety precautions and operating instructions before proceeding with the installation and operation of this product.

Fastener	Fastener Torque Value ft-lbs (Dry)
Front Top Hat Nuts	15
Front Strut/Knuckle Bolts	116
Front Strut Brake Hose Bracket	24.3
Rear Top Hat Nuts	15
Rear Strut Bolt (Lower)	89
Rear Control Arm Bolts	89
Rear Sway Bar Bushing in Control Arm	28
Front Strut Upper Nut	40.6
Rear Shock upper Nut	18.4



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## Strut Removal

Jack up the vehicle and support with jack stands. Use a wheel chock and the parking brake to prevent the vehicle from rolling.

Use a 19mm socket and an impact to remove wheels.

Remove lower knuckle bolts (19mm socket), brake line bracket bolt (12mm socket), and ABS sensor clip.

Support strut with one hand and remove the 3 upper strut bolts.

Remove strut and set aside.



Remove rear interior panels to access and remove rear upper strut bolts, clip locations may vary.





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Remove lower control arm bolts, leaving loose bolt in strut. Lower control arm and catch strut.



Compress spring, making sure all spring pressure is removed from upper spring seat and an air gap exists. **Follow all spring compressor manufacturer instructions and safety measures.**



Remove upper strut nut and replace old spring with new RallITEK spring, making sure the logo and part number are right side up. If the rear springs require strut extensions they will be included. Please reference RTEK-100074 for strut extension installation.

Do not remove or move spring isolators they are placed in the correct location on the spring before shipping if applicable. Not all springs require isolators.

If the spring isolators were removed or moved, place them between the bottom 2 or 3 coils and contact us at [info@rallitek.com](mailto:info@rallitek.com) with photos for the correct orientation. The isolators can be moved and adjusted with the struts installed on the vehicle.

Reinstall struts and wheels; torque to appropriate values. To avoid bushing bind, slightly loosen and re-torque the rear lower control arm with the weight of the vehicle on the ground. Also, slightly loosen and re-torque the upper strut bolts.

**Schedule a professional alignment.**



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**RalliTEK Products Lifetime Warranty** RalliTEK branded products are warranted to the original owner against manufacturing defects in materials and workmanship for the lifetime of the product.

If a RalliTEK branded product covered by this warranty fails due to a manufacturing defect, we will repair the product, without charge, or replace it at our discretion. This policy covers only original, unaltered, and unmodified materials and workmanship. This warranty does not cover damage caused by incorrect installation, accident, improper care, negligence, normal wear and tear, or the natural breakdown of colors and materials over extended time and use. Damage not covered under warranty may be repaired for a reasonable rate and a fee will be charged for return shipping.

No payment or reimbursement shall be made for installation, removal, transportation, or other charges. The remedies outlined in this warranty are exclusive and the liability of RalliTEK with respect to any sale shall not exceed the price of the product on which the liability is based.

For warranty evaluation, please contact RalliTEK Customer Service via phone **(503) 619.0055** or email [info@rallitek.com](mailto:info@rallitek.com) to obtain a return authorization. Once this step has been completed, your product must be returned directly to the **RalliTEK Warranty Department, 13339 NE Airport Way, Suite 500, Portland, OR 97230**. All shipping to the Warranty Department must be pre-paid and insured. RalliTEK will not be liable for damaged or lost inbound packages.

**NOTE:**

- This warranty is only available within the United States or Canada
- This warranty does not cover products sold by RalliTEK that are not RalliTEK branded products
- This warranty gives you specific legal rights; you may have other rights, which vary from state to state

