



GENERAL INSTRUCTION GUIDELINES

READ THIS FIRST:

- Read these instructions fully prior to beginning work. Verify all parts listed below are in the kit packaging, and all tools, equipment, skills and methods are on hand to safely complete the installation.
- Read the attached GENERAL INSTALLATION NOTES prior to beginning any work.
- Installation of these components should be performed by experienced and qualified mechanics, using safe and correct tools and equipment. Northwoods recommends this installation be performed by a qualified, certified automotive shop.
- Use safe methods in all work operations. Support the vehicle safely as required on a lift or hoist, or certified jack stands.

GENERAL INSTALLATION NOTES

- Installation shall be performed by qualified, experienced mechanics capable of performing this type of work. Northwoods recommends the work be performed in qualified ASE certified shops.
- Use only quality, certified tools and equipment appropriate for the job.
- Vehicle should only be supported by certified hoists, lifts, or jackstands of adequate capacity.
- Use only certified, dedicated spring compressors to compress and assemble springs. Northwoods recommends springs only be assembled and installed by qualified auto repair shops, using quality spring compression tools.
- Actual lift heights will vary by vehicle due to vehicle accessories, weights, loading, wear, initial ride height, and other factors.
- Upon completion of installation of springs or other suspensions and steering components, vehicles should be immediately aligned at a qualified shop.
- Modification to vehicle ride height requires re-alignment of headlights.
- Full inspection of all components installed should be checked after 300 miles of driving, including torque of all fasteners.
- Modified vehicles will handle and perform differently from stock vehicles, and the modified vehicle characteristics should be considered for driving safety. Modified vehicles may have affects to vehicle steering and response, and increased braking distances due to increased vehicle weight or larger tires.
- Modified vehicles may exhibit increased wear to suspension and other components, as well as an increase in vibration due to changes in component alignment and operating angles.
- Northwoods Performance Warranty, Return, and Replacement policies can be found on-line at northwoodsperformance.com, RESOURCES tab.



REAR COIL SPRING INSTALLATION INSTRUCTIONS

2019+ Toyota RAV4

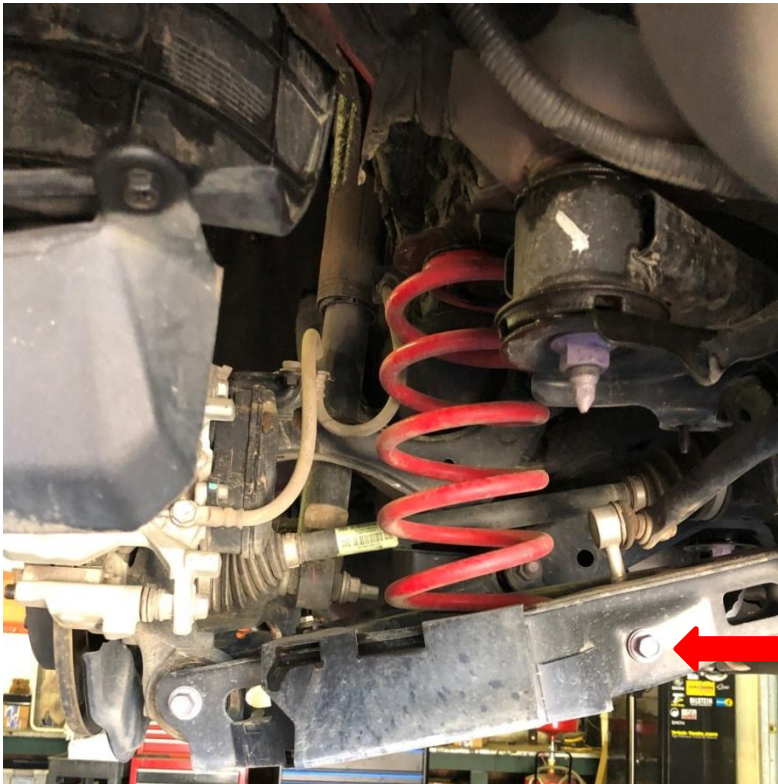
Installation time: 2-3 hours

REAR SPRING LIFT KIT MATERIAL LIST

- Rear springs (spring only purchase) 2
If full front and rear lift kit is purchased, also includes the following:
- Rear shock mount spacers, 1-1/4" 2
- Rear shock mount spacers, 7/8" 2
- Rear shock mount studs, M10-1.25X60 2
- Rear shock mount studs, M10-1.25X50 2

REAR SPRING REMOVAL

1. Remove the both the sway bar links lower bolts. Loosen from the bolt head side. 14 17 mm



2. Support the outboard side of the lower control arm (LCA) with a jack or jack stand and slight upward pressure. A rolling floor jack also works well.
3. Mark the snail cam of the IB LCA bolt to indicate camber adjustment position. Loosen but do not remove the LCA IB bolt, from the bolt head side.
4. Remove the LCA OB bolt (loosen from bolt head side first).
5. Carefully lower the LCA with the jack to carefully unload the spring. Remove the spring.



6. Remove the two upper shock mount bolts. 17mm

REAR SPRING INSTALLATION

1. Install the spring. The smaller end coil diameter installs up. Rotate the spring so the lower pigtail end of the bottom of the spring is towards the outboard side of the vehicle.
2. Carefully compress the spring by raising the end of the LCA with a jack. Install the LCA OB bolt and nut. Do not fully tighten.
3. Re-install the upper shock mount with the spacer bushings and bolts. The shorter bushing and shorter bolt is installed in the forward position, and the longer bushings and bolts towards the rear of the car mount position. Tighten to 55 ft-lbs.
4. Slowly lower the jack and LCA; let the spring extend to its limit.
5. Repeat the shock mount and spring installation on the other side.
6. Install the sway bar links. Grinding a slight taper on the bolt end can help installation. Tighten to 22 ft-lbs.
7. Lower the car onto its weight and bounce to settle the suspension. Adjust the IB LCA bolt snail cams to the marked position to get approximate camber adjustment. (A complete alignment will be required after full installation.) Tighten the IB and OB LCA bolts to 66 ft-lbs.