# Rough Country 502199 Installation Instructions

3.5-Inch M1 Loaded Strut Pair for Toyota 4Runner (2025)

Part number: 502199

trailfortress.com/rough-country-m1-loaded-strut-pair-502199

Scan for fitment, price and install help




# M1 Loaded Strut

**Thank you for choosing Rough Country for all your vehicle needs.**

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

**TOOLS NEEDED:**
**Spring Compressor**
**Flat Nose Plyers**
**15mm Socket**

**Torque Specs:**

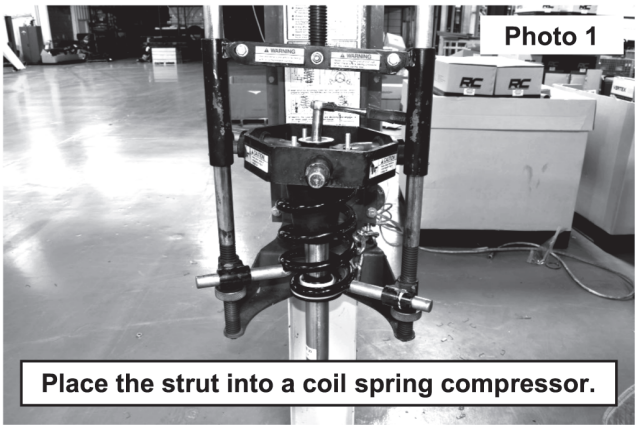
| Size | Grade 5 | Grade 8 | Size | Class 8.8 | Class 10.9 |
|---|---|---|---|---|---|
| 5/16” | 15 ft/lbs | 20ft/lbs | 6MM | 5ft/lbs | 9ft/lbs |
| 3/8” | 30 ft/lbs | 35ft/lbs | 8MM | 18ft/lbs | 23ft/lbs |
| 7/16” | 45 ft/lbs | 60ft/lbs | 10MM | 32ft/lbs | 45ft/lbs |
| 1/2” | 65 ft/lbs | 90ft/lbs | 12MM | 55ft/lbs | 75ft/lbs |
| 9/16” | 95 ft/lbs | 130ft/lbs | 14MM | 85ft/lbs | 120ft/lbs |
| 5/8” | 135ft/lbs | 175ft/lbs | 16MM | 130ft/lbs | 165ft/lbs |
| 3/4” | 185ft/lbs | 280ft/lbs | 18MM | 170ft/lbs | 240ft/lbs |

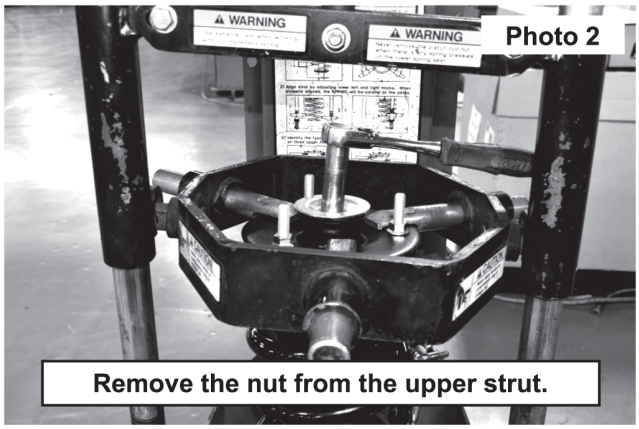


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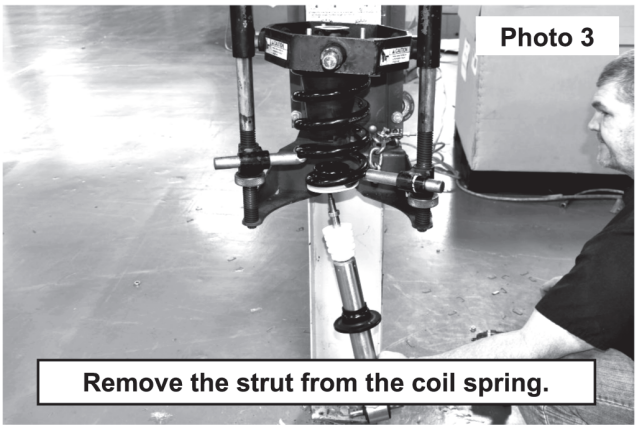
## RIDE HEIGHT ADJUSTMENT INSTRUCTONS

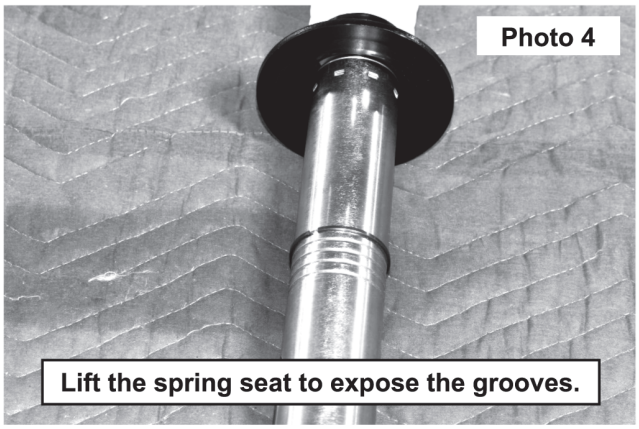
1. To adjust the ride height of the vehicle, Place the strut into a coil spring compressor. **See Photo 1.**
2. With the coil spring compressed, remove the nut from the upper strut stud using a 15mm wrench. **See Photo 2.**



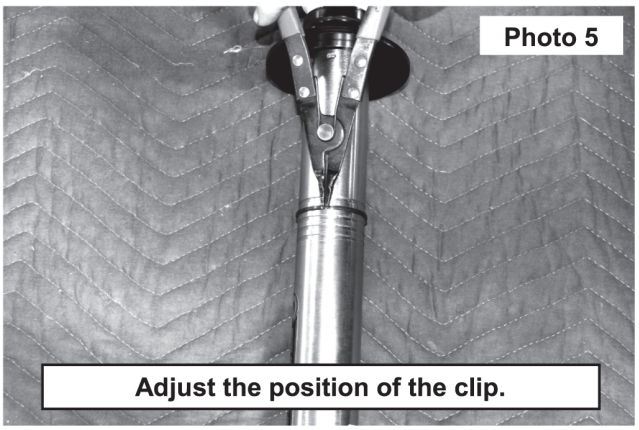



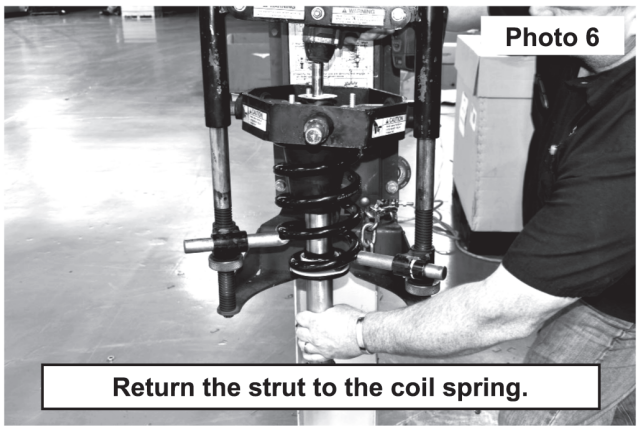

3. Remove the strut from the coil spring. **See Photo 3.**
4. Lift the coil spring seat up to expose the clip and grooves in the strut body. **See Photo 4.**




5. Adjust the clip to the desired position on the strut body using flat nose plyers and return the coil spring seat over the clip. **See Photo 5.**
6. Place the strut body back into the coil spring. Secure using the retained nut and tighten using a 15mm socket. **See Photo 6.**




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