Rough Country 72900_A Installation Instructions

1.5-Inch Leveling Kit for 2024–2025 Toyota Land Cruiser AWD

Part number: 72900_A

trailfortress.com/1-5-inch-leveling-kit-toyota-land-cruiser-awd-rough-country-72900-a

Scan for fitment, price and install help

921729000A

ROUGH COUNTRY
SUSPENSION SYSTEMS®

TOYOTA 2024 TACOMA LEVELING KIT

Thank you for choosing Rough Country for your suspension needs.

Rough Country recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassembly/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read instructions before beginning installation. Check the kit hardware against the parts list on this page and the product layout on the last page. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have needed tools.

PRODUCT USE INFORMATION

⚠WARNING As a general rule, the taller a vehicle is, the easier it will roll. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur. Generally, braking performance and capability are decreased when larger/heavier tires and wheels are used. Take this into consideration while driving. Do not add, alter, or fabricate any factory or after-market parts to increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands is not recommended.

Rough Country makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any product that is altered. If questions exist about the design, function, installation, and correct use of our products please call one of our customer service representatives at 800-222-7023.

This suspension system was developed using a Maximum tire size of 285/70/R17 tire with factory wheels. For aftermarket wheel and tire combinations consult your tire and wheel specialist.

⚠NOTICE NOTICE TO DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough Country product should have a “Warning to Driver” decal installed on the inside of the windshield or on the vehicle’s dash. The decal should act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics.

INSTALLING DEALER - it is your responsibility to install the warning decal and forward these installation instructions on to the vehicle owner for review. These instructions should be kept in the vehicle for its service life.

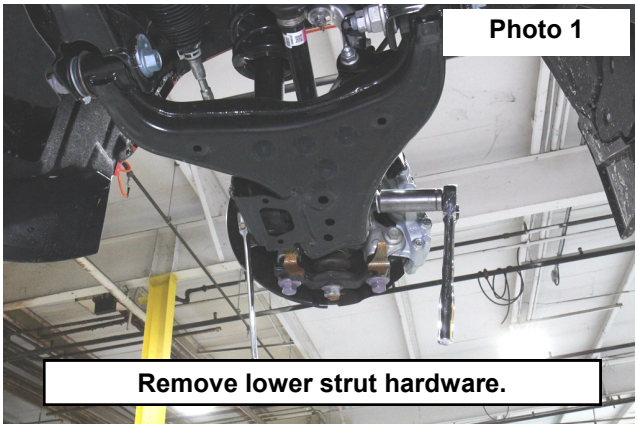
Kit Contents:
2 - Strut Spacer
72900BAG2
8 - 10mm x 45mm Bolt
8 - 10mm Flange Nut

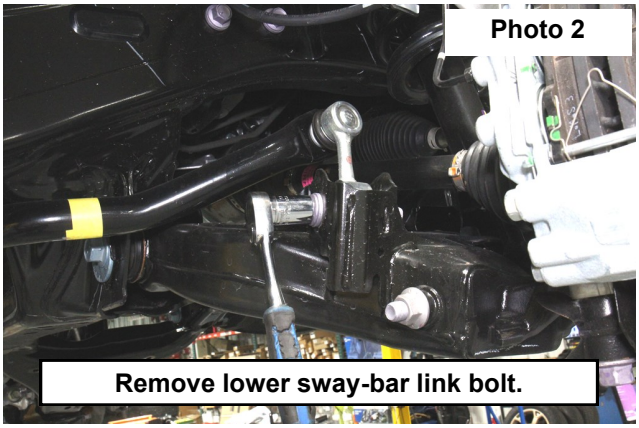


Tools Required:
24mm Wrench
22mm Socket and Wrench
19mm Socket
17mm Wrench or Socket
14mm Wrench or Socket
15mm Wrench or Socket
Strut Compressor
Cutting Wheel or Grinder

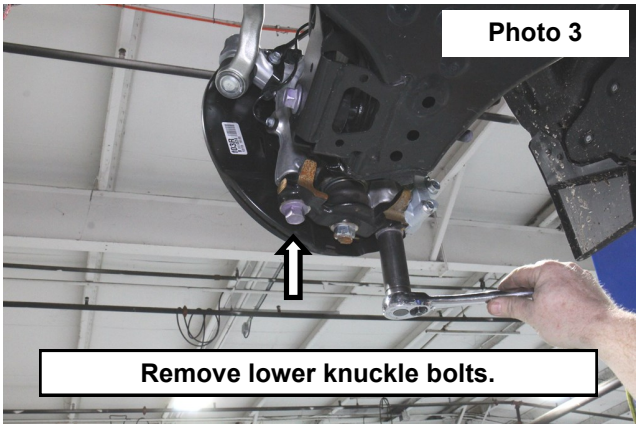
FRONT INSTALLATION

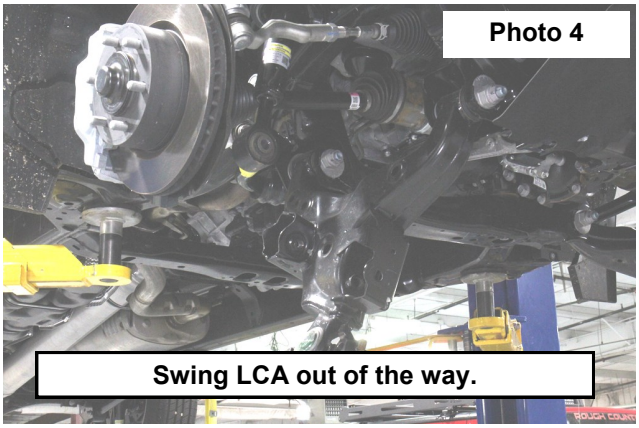
1. Park the vehicle on a level surface and chock the rear wheels.
2. Jack up the front of the vehicle using a floor jack. Place jack stands under the frame rails directly behind the lower control arms and lower the vehicle onto the jack stands.
3. Remove the wheels and tires.
4. Remove lower strut bolt and nut using a 22mm socket and wrench. Retain hardware for reuse. **See Photo 1.**
5. Remove the lower sway-bar link bolt using a 19mm socket. **See Photo 2.**



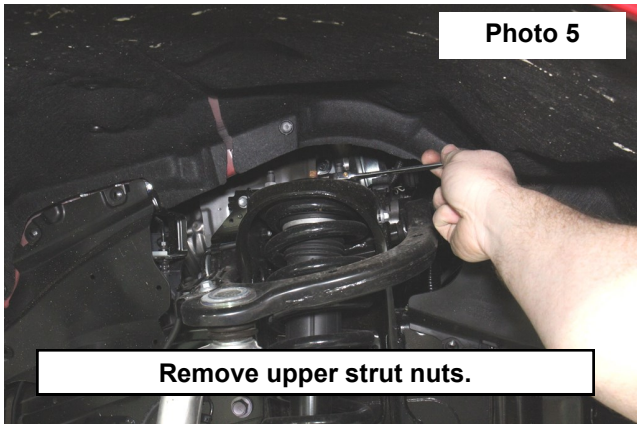


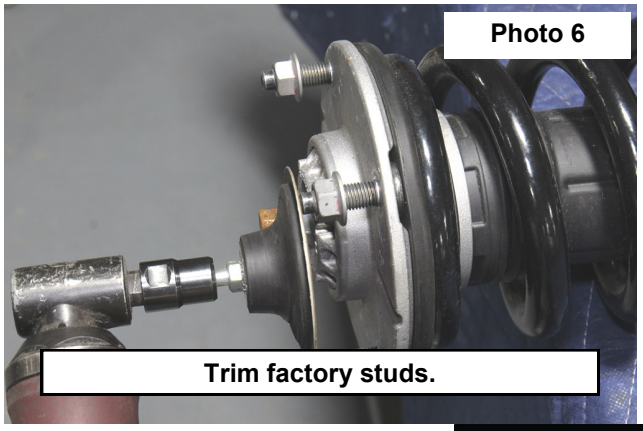
6. Remove the two lower ball joint housing bolts connected to the steering knuckle using a 22mm socket. Retain hardware for reuse. **See Photo 3.**
7. Loosen, but do not remove, the lower control arm bolts using a 24mm wrench. Swing lower control arm out of the way. **See Photo 4.**



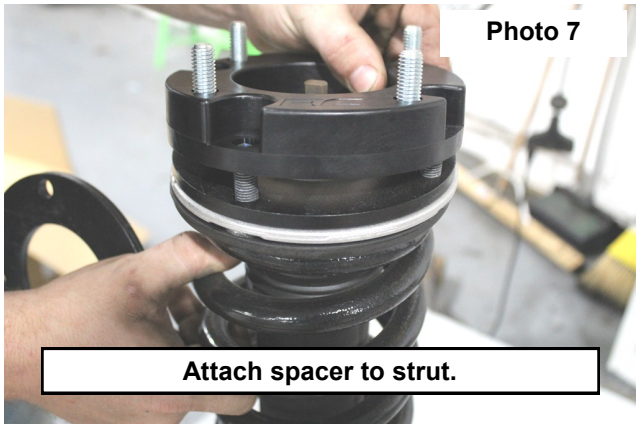


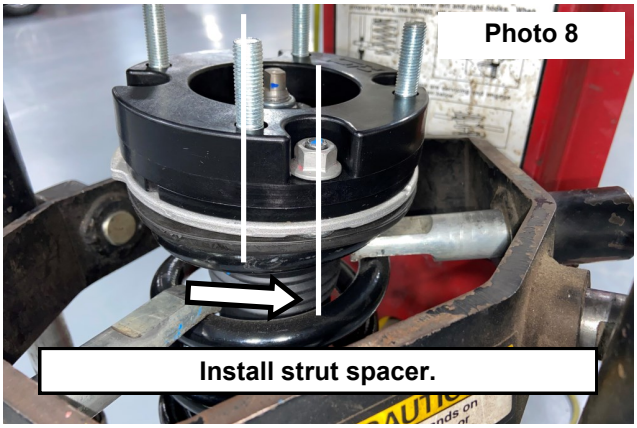
8. Remove the upper strut nuts using a 14mm wrench. Retain hardware for reuse. **See Photo 5.**
9. Remove strut from vehicle. Place factory strut nuts back on the studs to protect the threads.
10. Use a grinder or cutting disk to trim the factory strut studs down to where the threads begin. **See Photo 6.**



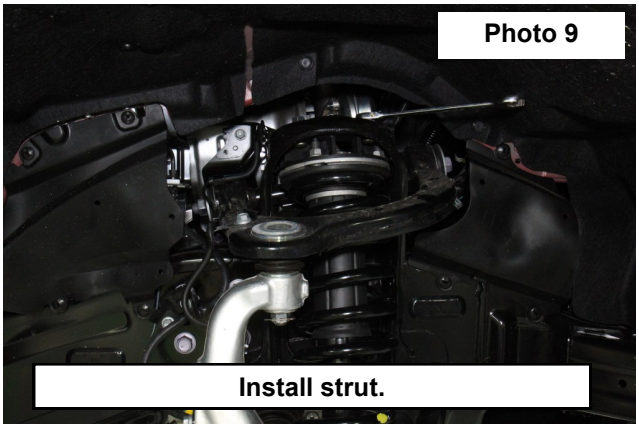


11. Install the supplied 10mm bolts into the nylon strut spacer and place strut spacer on front strut. Use the factory strut nuts to secure spacer to strut. Tighten with a 14mm socket. Place the strut spacer on top of the strut. Use the factory top strut hardware to secure the spacer to the strut. Tighten with a 14mm wrench. **See Photo 7.**
12. Place strut back into a strut compressor. Compress strut enough so the top hat can spin. Clock the top hat so the stud in the strut spacer is in the same location as the factory stud was. **See Photo 8.**





13. Reinstall the strut using the supplied 10mm flange nuts. Tighten with a 15mm wrench. Torque to 45ft-lbs. **See Photo 9.**



14. Reinstall factory lower strut hardware using a 22mm socket and wrench. Torque to 61ft-lbs
15. Reinstall the lower ball joint housing to the knuckle using the factory hardware. Tighten with a 22mm socket. Torque to 118ft-lbs.
16. Reinstall wheels and tires and lower vehicle to the ground. Torque to 83ft-lbs
17. Reinstall lower sway bar link with factory hardware once the vehicle is on the ground. Tighten with a 19mm wrench. Torque to 52ft-lbs.
18. Retighten lower control arm bolts with a 24mm wrench. Torque to 100ft-lbs



POST INSTALLATION INSTRUCTIONS

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floorboards, and wiring harness.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile, or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure.
3. On some vehicles, the front lower skirting will need to be trimmed if using certain wheel/tire combinations and with heavy offset wheels. Trim only as needed.
4. Activate four wheel drive system and check front hubs for engagement.
5. Have a qualified alignment center align the vehicle immediately. Realign to factory specifications.
6. Perform head light check and adjustment to proper settings.
7. Check and retighten wheels at 50 miles and again at 500 miles
8. All kit components must be retightened at 500 miles and then every 300 miles after installation. Periodically check all hardware for tightness.
9. Install “Warning to Driver” decal on sun visor.

NOTE: Installation of larger tires will require speedometer recalibration.

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

Thank you for purchasing a Rough Country Suspension System.

By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable , State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.