99-06 Toyota Tundra
2.5” Front and 2” Rear Kit

Thank you for choosing Rough Country for your suspension needs. We appreciate your business!!

Rough Country recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/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. Be sure you have all needed parts and know where they go.

PRODUCT USE INFORMATION

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. We will be happy to answer any questions concerning the design, function, and correct use of our products.

This kit is packaged as a leveling kit—raising the front 2 1/2” and the rear 2”. If you desire a different look or if the vehicle has a tool box or added weight in the rear, please consult with your sales representative.

Due to differences in manufacturing, dimension and inflated measurements, tire and wheel combinations should be test fit prior to installation. For this application we recommend a wheel not to exceed 9” in width. Additionally a quality tire of radial design is recommended, not exceeding 33” tall and 11.5” wide.

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.

We hope installing your Rough Country lift kit is a positive experience. Please note that variations in construction and assembly in the vehicle manufacturing process will virtually ensure that some parts may seem difficult to install. The use of pry bars is considered normal and usually does not indicate a faulty product. However, if you are uncertain about some aspect of the installation process, please feel free to call our tech support department at 800-222-7023. We do not recommend that you modify the Rough Country parts in any way as this will void any warranty expressed or implied.

Tools Needed:

10mm Wrench	19mm Socket
12mm Wrench	1/2 Wrench and Socket
14mm Socket	9/16 Socket
15mm Wrench	7/8 Socket
17mm Wrench and Socket	Floor Jack
Jack stands	Hammer

KIT CONTENTS

Kit Contents:
2-Front Strut Extensions
1—Kit Bag that includes
- 6-3/8” studs
- 6-3/8” nuts
- 6-3/8” lock washers

2-2” Tapered Rear Blocks
4-9/16” x 2.5” x 8.5” Sq Rear U-bolts
1-Rear U-bolt Hardware Bag
1-Kit Bag that includes
- 3-5/16” x 1” bolts
- 3-lock nuts
- 1-Brake Line Bracket
- 1-Proportiong Valve Bracket

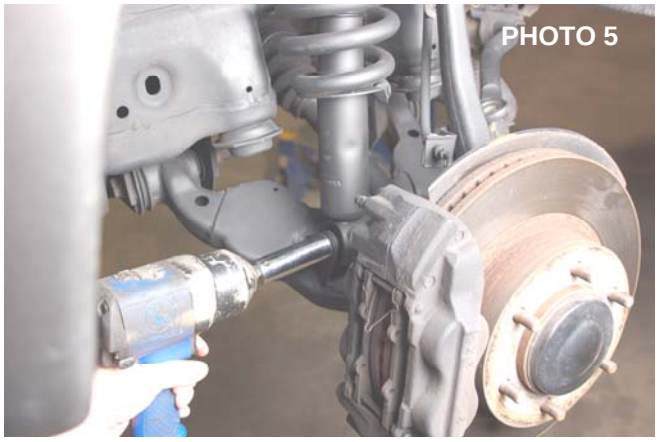
2-Rear Shock Absorbers
1- Shock Hardware Bag that includes

FRONT INSTALLATION

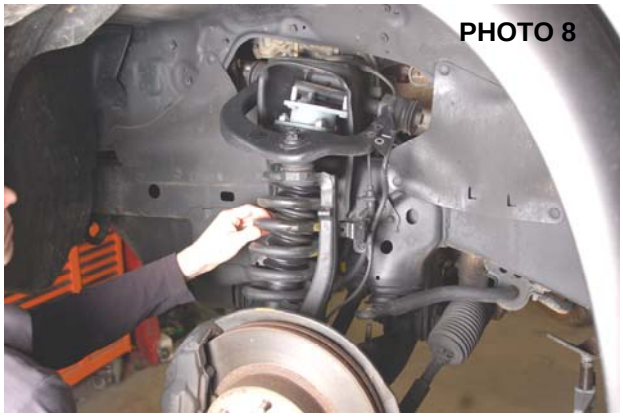
1. Block the rear tires of the vehicle so that the vehicle is stable and can’t roll backwards. Llift the front of the vehicle and support the frame with a pair of jack stands. Place a jack stand on both the driver and passenger side.
2. Remove the wheels and tires from both sides.
3. Working on the driver side, remove the stock sway bar hardware from the stock frame location using a 14mm socket as shown in **Photo 1** and save the stock hardware for later re-installation. Repeat procedure on the passenger side. Tie the stock sway bar up and out of the way during installation.
4. Remove the ABS wire from knuckle using a 10mm socket as shown in **Photo 2**.

5. Remove the (4) lower ball joint bolts using a 14mm socket shown in **Photo 3**.
6. Working on the driver side, remove the (3) upper stock nuts that connect the stock strut into the stock location using a 14mm wrench shown in **Photo 4**. Save the stock nuts for later re-installation. Repeat on the passenger side.

7. On the driver side, remove the stock lower bolt that connects the stock strut to the stock lower mounting location using a 19mm wrench and socket shown in **Photo 5** and save the stock hardware for later reinstallation. During removal of the stock bolt, take special care not to damage the stock CV boot. Also, take note on which way the bolt is removed, it needs to be re-installed the same way that it was remove. Remove the stock strut assembly from the stock location and set a side. Repeat procedure on the passenger side.
8. Locate the driver side stock strut. Locate the supplied 3/8" studs . Using a 9/16" socket snug self clinching stud in the new spacer as shown in **Photo 6. The stud should clinch with about 35-45 ft/lbs of torque. Do not over torque the nut.**



9. Install the new spacer on the Strut and secure with factory hardware using a 14mm wrench. **See Photo 7.**
10. Align the top mount and reinstall the strut assembly on the vehicle using factory hardware shown in **Photo 8**.



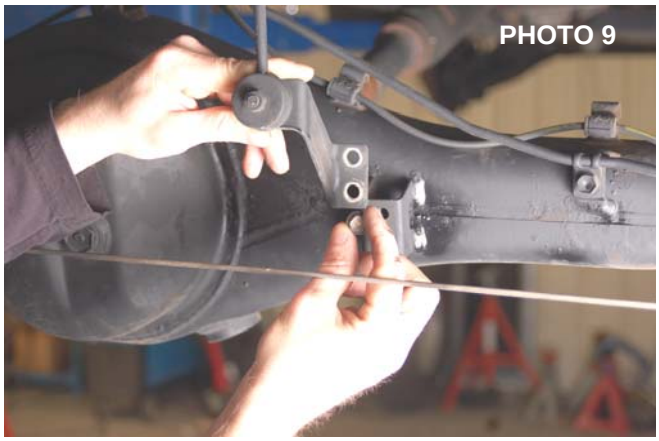
11. Install the lower strut bolt in the position that it was removed using a 19mm wrench and socket.
12. Using the floor jack, raise the lower control arm and connect the (4) lower ball joint bolts on the lower control arm to the spindle. Tighten the ball joint bolts per manufacturer specifications using a 14mm socket.
13. Repeat procedure for opposite side of the vehicle.
14. Reconnect the sway bar end links with factory hardware and a 14mm socket.
15. Re-install the tires and wheels and torque to 75 ft lbs. Carefully lower the vehicle to the ground.

REAR BLOCK AND UBOLT INSTALLATION

1. Block front tires and lift the rear of the vehicle until the wheels clear the ground approximately 3". Place jack stands under the frame rails behind the spring mount. Lower the vehicle onto jack stands while axle is supported by the floor jack.
2. Remove wheels and tires.
3. Remove the factory shock from the lower mount with 17mm socket and wrench.
4. Remove upper shock mount with 15mm wrench.
5. Remove the factory u-bolts with 19mm socket and discard.
6. Lower the axle with the floor jack to allow enough room to install the blocks in between the axle and stock springs.
7. Install the new u-bolts supplied in the kit and tighten with 7/8 socket.
8. Do not install the wheels / tires on the vehicle at this time. Proceed to next section.

PROPORTIONING VALVE BRACKET AND BRAKE LINE BRACKET

1. Unbolt the brake proportioning valve assembly from the rear axle with 12mm wrench shown in **Photo 9** .
2. Position the proportional valve extension bracket as shown and secure to the axle using the factory hardware tighten with 12mm wrench .
3. Attach the factory proportioning valve assembly to the extension bracket using the supplied 5/16" x 1" bolts and nylon lock nuts. Torque to 13ft/lbs using a 1/2 wrench and socket as shown in **Photo 10**.



4. Remove brake line from the top of the axle using a 12mm wrench and retain factory hardware.
5. Install brake line bracket as shown in **Photo 11** to the axle housing using the factory hardware.
6. Attach the brake line to the bracket using supplied 5/16" x 1" bolts and nylon lock nuts tighten with a 1/2 wrench and socket. **See Photo 11.**
7. Install the new shock absorbers and reinstall the tires/wheels.
8. Jack up the rear and remove the jack stands and lower vehicle to the ground.

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, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.
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. Have a qualified alignment center align the vehicle immediately. Realign to factory specifications. The following are the recommended specifications:

Caster in degrees	2.5 +-.5
Camber in degrees	+.25
Toe In in degrees	0.1 +-.2

4. Perform head light check and adjustment to proper settings.
5. Check and retighten wheels at 50 miles and again at 500 miles.
6. All kit components must be retightened at 500 miles and then every three thousand miles after installation. Periodically check all hardware for tightness.
7. Install "Warning to Driver" decal on sun visor

Note: Installation of larger tires will require speedometer recalibration.

ROUGH COUNTRY
SUSPENSION SYSTEMS