

Toyota Tundra front leveling kit instructions

- 1: Chuck the rear tires and jack up the front of the vehicle. Place jack stands on frame rails.
- 2: Remove the skid plate. The skid plate has 5 bolts and 2 hooks that hold it in place. Some models may have two skid plates. Requiring a 12mm socket
- 3: Using a 14mm wrench, loosen the four upper strut mounting nuts.
- 4: Using a 22mm socket, loosen and remove lower strut mounting nut and bolt from lower control arm. This bolt will be very tight.
- 5: Starting on the driver side, remove the 5 lug nuts and remove the wheel.
- 6: Using a 24mm socket, loosen, but do not remove, the driver side lower control arm bolts. This will allow the lower control arm to move freely. Do not remove alignment cams or allow them to move. These nuts will be extremely tight. A breaker bar or impact gun will be useful here. This is a critical step as having the lower control arm move freely is important later in the installation.
- 7: Using a 19mm socket, Loosen and remove sway bar end link bolt on the lower control arm.(loosening the 4 bolts that attach the sway bar to the frame will help with the removal and reinstallation of the sway bar end link bolt. Don't remove them; just loosen to very end point of the threads so the sway bar can lower from the frame about 2 inches.)
- 8: Loosen and remove the two 22mm bolts that connect the lower ball joint in the spindle. Again, these will be very tight and might have thread locking compound on them which may be necessary for reinstallation.
- 9: Holding the strut with one hand, remove the four 14mm upper strut mounting nuts.
- 10: Remove the strut taking GREAT care not to damage the CV boot on 4WD models. Take note, the strut will be marked which side points out.
- 11: Screw in the studs from the kit into the spacer using an allen key/socket(some spacers come with hex bolts and will not require this step) Bolt the spacer on top of the strut using the factory nuts.
- 12: Reinstall strut into vehicle and install the new nuts provided. make sure the dot stamped on the spacer points towards you(toward the tire) The strut will only line up with the holes in the strut tower one way, take your time to align this properly.



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Toyota Tundra front leveling kit instructions (Continued)

- 13: Using a jack, raise the lower control arm and guide both the lower strut mount and sway bar end link into their respective pockets. You may need to get a long pry bar to insert it into where the lower control arm bolts to the frame and pry down to lower the control arm to get the lower strut into the bracket on the lower control arm. In some instances, the lower shock mounting hole will be at a different angle than the bracket on the lower control arm. This happened when the spring was compressed during install/uninstall and the shock turned. You can pry the shock back into position if the hole on the shock is slightly misaligned. If it's off by too much, then you would need to rent a spring compressor (available at many auto stores such as AutoZone, Kragen, Etc) and compress just one side of the spring enough so you can rotate the lower hole on the chock back into position.
- 14: Use of a pry bar and hammer may be needed to align the mounting holes for the end link bolt. Install 19mm bolt and torque to factory spec.
- 15: install the two 22mm lower ball joint bolts starting with the rear bolt first as it is easier to line up with the spindle.
- 16: Torque to factory specs, when possible use thread locker when necessary.
- 17: Tighten the four 14mm upper strut mounting bolts and torque to factory specs.
- 18: Put the wheel back and torque to 85-95lbs.
- 19: With vehicle on the ground, tighten the lower control arm bolts and torque to factory specs.
- 20: Repeat the previous steps on the passenger side of the vehicle. Follow each step closely.

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