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KSP PERFORMANCE

# 2007 +
# TOYOTA TUNDRA
## 2WD/4WD

# *LEVELING LIFT KITS*

9F016

## 2007+ Toyota Tundra Front leveling lift kit installation instructions

**Note : The actual thickness ≠ lift height .**
**The words marked on the item is the actual lift height .**
**Re-torque all the lug nuts on the spacer after 100-200 miles driving.**

1. Chuck the rear tires and jack up the front of the vehicle. Place jack stands on frame rails. Remove the lug nuts and the wheels.

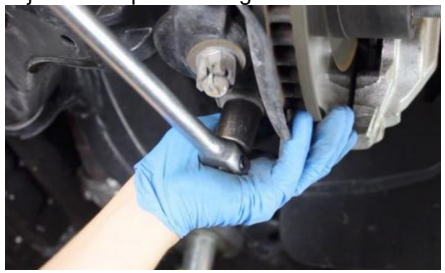
2. Remove the skid plate. The skid plate has 5 dolts and 2 hooks that hold it in place .some models may have two skid plates—requiring a 12mm socket.

3. Loosen and remove sway bar end link bolt on the lower control arms using 17mm &19mm sockets. (Loosening the 4 bolts which attach the sway bar to the frame. Do not remove them. Just make the sway bar can be lower from the frame about 2 inches)

5.Remove the lower strut mounting nut and bolt from lower control arm using a 22mm socket and wrench. This bolt may be very tight.

6.Mark all 4 alignment cams. Loosen (do not remove) the lower control arm bolts on the driver side using a 24mm socket. (A breaker bar or impact gun will be useful). Do not remove alignment cams or make them move.

7.Remove the two bolts that connect the lower ball joint and spindle using a 22mm socket.

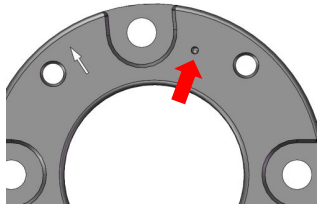


8.Loosen the four upper strut mounting nuts using a 14mm socket.

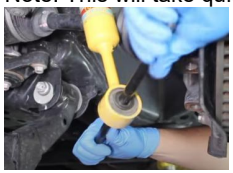
9.Holding the strut with one hand, remove the four upper strut mounting nuts.Remove the strut absorber.

10. Using the factory nuts bolt the lift spacer on top of the strut with14mm socket.Tighten the upper shock mount nuts using an increasingly tighter criss-cross pattern until 47 ft. lbs. is reached.
***Note: Each spacer has an alignment mark （the arrow）, the spacer should align with the 'out' marked on strut.*** Please see the above picture.


***11.*** Reinstall the strut into a vehicle and install the new bolts provided, torque to 47 ft/lbs. Note that compared to the original direction, the strut assembly needs to be rotated for installation.
***Be sure the Dot marking on the spacer is oriented outward.***



12. Place a bar in the shock loop and twist it until it aligns properly with the lower shock mount in the lower control arm.
Note: This will take quite a bit of force.



13.Once the holes are aligned install the lower shock mount bolt, torque the nut to 144 ft/lbs.

14.Reinstall the sway bar and end link, and torque to 51 ft/lbs and 89 ft/lbs.

15. Reinstall the lower control arm ball joint, torque to 144 ft/lbs. Torque the lower control arm cam bolt to 207 ft. lbs.

16.Reinstall the skid plate, torque to 22 ft/lbs.

17. Install the front wheels & lower the vehicle to the ground.

**In the end, check all hardware is mounted at correct torque settings. Recheck all work. Re-tighten Control Arm mounting bolts. Test driving, then have a trained technician perform an alignment.**

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