

# 07-18 Tundra Front Leveling Kit Instructions

TU1463

**\*\*TRD and Rock Warrior editions not compatible with 3" Front Spacers.**

## Contents:

- (2) Strut Spacers
- (8) M10x1.5x25mm bolts
- (8) M10 Lock Washers
- (8) M10 Washers

## Tools Required:

- Jack and Jack Stands
- Pry bar
- 10, 14, 16, 17, 19, 21, 22mm sockets/wrenches
- Torque Wrench
- Hammer
- Angle Grinder \*

### **\*\*Spacer Thickness\*\***

Due to suspension geometry, spacer thickness does not always equal the advertised lift height.

### //Step 1

Raise and support front of vehicle using a jack and jack stands. Use a 22mm socket to remove the front wheels from the vehicle.

### //Step 2

Remove the sway bar end link from the steering knuckle (A) using a 19mm socket.

### //Step 3

Remove the upper ball joint from the knuckle (B) using a 19mm socket after removal of the cotter pin.

**\*\*Note:** A hammer may be necessary to remove the tie rod from the knuckle. Be cautious to not damage the threads on the stud.

### //Step 4

Remove the two 17mm sway bar bushing brackets bolts (C) to allow additional space when removing and installing the strut assembly.

### //Step 5

Remove the (4) 14mm upper strut mounting nuts (D).

### //Step 6

Loosen but do not remove the (2) lower control arm bolts (E) using a 22mm wrench. Remove the 22mm lower strut bolt (F). Once removed, pry down on the lower control arm with the pry bar to take the strut out through the bottom first. The strut will slide downwards once removed from the mounts.

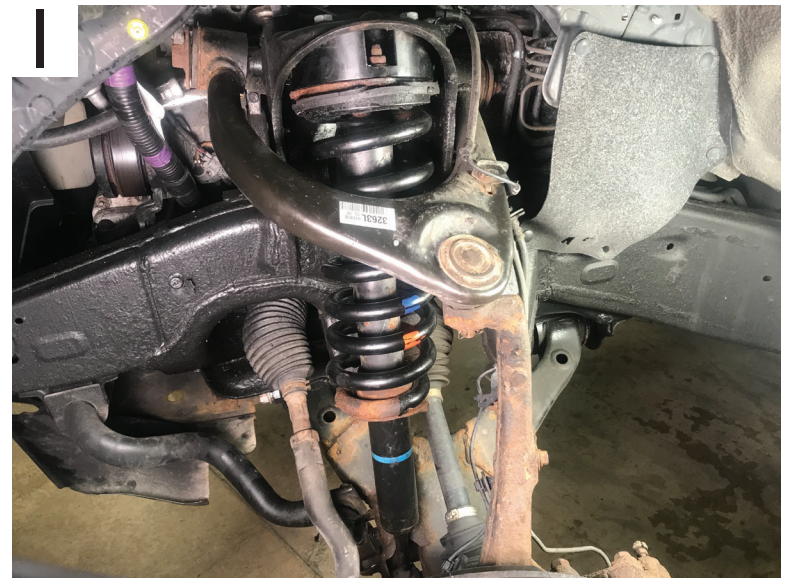
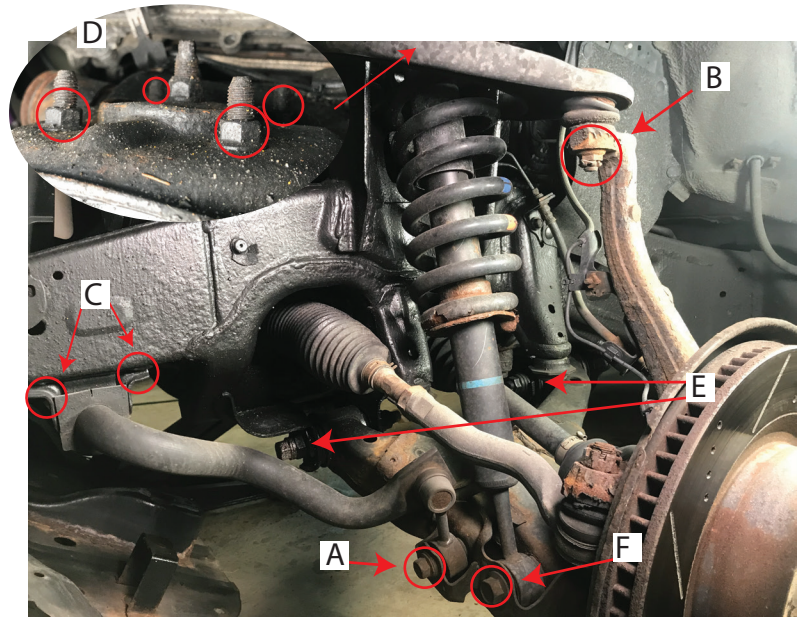
### //Step 7

Once removed, install spacer onto strut assembly. Use the original 14mm nuts to tighten spacer to strut assembly and tighten to 33 ft/lbs. (G).

**\*\*Note:** Depending on spacer size, grinding the tapered edge of the 4 factory strut studs will be necessary due to clearance between the frame and strut (H).

### //Step 8

Re-install strut onto vehicle (I). Using the pry bar, pry downwards on the lower control arm to gain clearance for the strut. Once strut is in place, install the (4) 16mm included bolts, lock washers, and washers into mounting holes and tighten to 47ft/lbs. Re-install original suspension components in reverse order to factory torque specifications.



**\*\*4 Wheel Alignment is highly recommended after completion to prevent premature tire wear\*\***

# 07-18 Tundra Rear Leveling Kit Installation

## Contents:

- (2) Leveling Blocks
- (4) U-Bolts
- (8) 9/16x18 Nuts
- (8) 9/16 Washers

## Tools:

- 17mm, 19, and 22mm Deep Sockets
- 17mm Wrench
- Ratchet
- Torque Wrench
- Floor Jack and Jack Stands

### //Step 1:

Begin by supporting raising the vehicle using a floor jack and jack stands. Once vehicle is securely raised, remove the wheel using a 22mm socket, then use the floor jack to raise the rear axle up to relieve tension from the suspension components [A].

### //Step 2:

Once axle is raised, remove the 17mm shock absorber bolt [B] to release the shock from the axle. Then remove the (4) U-Bolt nuts per side using a 19mm deep socket to remove the U-Bolts [C].

### //Step 3:

Slowly lower rear axle enough to insert the leveling block in between the top of the axle block mount and the bottom leaf spring [D]. The smaller end of the tapered block goes towards the front of the truck [E].

**\*\*Note:** Make sure the tab on the block line up with axle alignment hole during installation. Make sure when lowering axle to not overextend the brake hoses attached to the axle.

### //Step 4:

Raise the rear axle to get all components to align properly, then install (2) supplied U-Bolts per side, as well as using provided nuts and washers, tighten down to 70 ft/lbs [F].

**\*\*Note:** Tighten U-Bolts evenly to ensure proper fitment.

### //Step 5:

Reinstall original shock absorber bolt using 17mm socket and wrench, and tighten to 66 ft/lbs. Reinstall wheel, torque lug nuts to 97 ft/lbs. Installation is now complete.

**\*\*4 Wheel Alignment is highly recommended after completion to prevent premature tire wear\*\***

#### **\*\*Spacer Thickness\*\***

Due to suspension geometry, the spacer thickness does not always equal the advertised lift height.

