



## 2007- 2010 Toyota Tundra 1"- 3" Performance Strut Installation Instructions

### REQUIRED TOOL LIST:

- Spring Compressor
- Metric/Standard Wrenches & Sockets
- Floor Jack
- Jack Stands
- Measuring Tape
- Torque Wrench



Make sure you park the vehicle on a level concrete or asphalt surface. Many times a vehicle is uneven (side-to-side) from the factory, but usually not noticed until a lift kit has been installed which makes the difference more visible. Using a measuring tape, measure the front and rear (both sides) from the ground up to the center of the fender opening above the axle. Record below for future reference.

Driver Side Front: \_\_\_\_\_

Passenger Side Front: \_\_\_\_\_

Driver Side Rear: \_\_\_\_\_

Passenger Side Rear: \_\_\_\_\_

### IMPORTANT NOTES:

- Please refer to Parts List to insure that all parts and hardware are received prior to disassembly of vehicle. If any parts are found to be missing, contact your dealer as soon as possible.
- If larger tires (10% more than stock diameter) are installed, speedometer recalibration is necessary (see Toyota dealer or Tire Store).
- This lift is determined from the front while only lifting the rear to a position level with the front.
- After installation, a qualified alignment facility is required to align the vehicle to factory specs.

## Kit Box Breakdown:

### **TU730ST:**

#### **Main Component Box**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
TU713STS	TOYOTA TUNDRA 1"- 3" STRUT-SINGLE	2

### **TU710R:**

#### **Block / U-Bolt Kit**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X834U	REAR U-BOLT	4
RBF125	1.25" FLAT REAR BLOCK	2
HB-916	(8) 9/16 FINE THREAD NUTS	1

### **Installation:**

1. Secure and properly block the rear tires of vehicle on a level concrete or asphalt surface.
2. Raise the vehicle from the front center cross member and remove tires and wheels. (See Photo #1)
3. Disconnect outer tie rod from steering knuckle using tie rod puller.
4. Disconnect the lower strut mount from the lower A-Arm. Remove bolt. Disconnect sway bar end links (See Photo #2).
5. Disconnect the Upper A-Arm ball joint from the top of the steering knuckle. (See Photo #3). It will be necessary to use a ball joint tool.
6. Remove the upper four strut mounting bolts from the upper frame mount. Remove strut.
7. Using a spring compressor, unload the tension on the upper mount of the factory coil assembly. Remove the upper shock retaining nut. (See Photo #4). Slide shock out from the bottom.



**Photo #1**



**Photo #2**



**Photo #3**



**Photo #4**

**Note:** There are six snap ring grooves located on the new Skyjacker strut body for 1" to 3" lift heights. The ring is installed in the second groove from the top when shipped. This will yield 2.5" - 3" of lift. The upper groove is only to be used when 2.5" - 3" of lift is desired, after aftermarket accessories have been added that weigh the front of the vehicle down (ie. winch, aftermarket bumper, & etc). The lower grooves can be used if you would like to keep the factory rake of the vehicle (front of vehicle lower than the rear).

Once the coil spring seat retaining ring has been installed, check all suspension components for any contact or interference. If suspension component contact or interference is present, lower the coil spring seat by lowering the coil spring seat retaining ring until no contact or interference is present.



Photo #5

8. Re-assemble using Skyjacker Strut. (See Photo #5).
9. Install new strut assembly. Bolt upper portion to frame then attach lower mount. Re-attach upper ball joint. (See Photo #6)
10. Re-attach sway bar end link and outer tie rod. (May need to adjust tie rod to re-attach) With all parts attached, torque all fasteners to factory specs. Install tires and lower vehicle to the ground.

### **Rear Installation:**

11. If installing rear block and U-Bolt kit. Block the front tires and raise the rear end using floor jack. Properly support frame rails using jack stands. Remove rear tires / wheels.
12. Remove rear shocks. (See Photo #7). Remove rear u-bolts and lower rear end enough to allow for installation of the rear lift block. With block installed, raise rear end up and install new u-bolts.
13. With u-bolts tight, re-install shocks, tires / wheels and lower to the ground.



Photo #6

### **Final Notes:**

- \* After install is complete, check all hardware and parts for accurate installation. Be sure all bolts are tight and properly installed.
- \* Vehicle must be aligned by a qualified alignment facility.
- \* Check all bolts for tightness after the first 100 miles.



Photo #7

### **TORQUE SPECIFICATIONS**

<b><u>INCH SYSTEM</u></b>			<b><u>METRIC SYSTEM</u></b>		
<b>Bolt Size</b>	<b>Grade 5</b>	<b>Grade 8</b>	<b>Bolt Size</b>	<b>Class 8.8</b>	<b>Class 10.9</b>
5/16	15 FT LB	20 FT LB	6MM	5 FT LB	9 FT LB
3/8	30 FT LB	35 FT LB	8MM	18 FT LB	23 FT LB
7/16	45 FT LB	60 FT LB	10MM	32 FT LB	45 FT LB
1/2	65 FT LB	90 FT LB	12MM	55 FT LB	75 FT LB
9/16	95 FT LB	130 FT LB	14MM	85 FT LB	120 FT LB
5/8	135 FT LB	175 FT LB	16MM	130 FT LB	165 FT LB
3/4	185 FT LB	280 FT LB	18MM	170 FT LB	240 FT LB

- The above specifications are not to be used when the bolt is being installed with a bushing.