

## PARTS INCLUDED IN KIT

Front Coil Spring Perch,  
Sleeve and Bump Stops



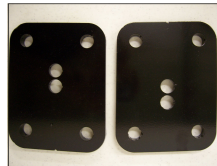
Leaf Spring Shackle  
and Hardware



Axle Perches



Bottom Plates



U-Bolts, washers and nuts



Rear Bump Stops  
and Top Plates



\* Remember to keep O.E. parts in case you ever  
want to return vehicle to stock height.

*SPEED OF SOUND*  
**TOYOTA PERFORMANCE**  
*TRUCK SPORTPARTS*

## SOS LOWERING KIT INSTALLATION MANUAL

SOS 2050



### APPLICATIONS

2007 Toyota Tundra

Regular Cab  
Double Cab  
Crew Max

### **SOS Performance Products, LLC**

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2007 Toyota Tundra 2" / 5" Drop Kit Parts

**Note: Carefully inspect fitment of all parts to ensure vehicle manufacturer has not changed dimensions. Please contact SOS Performance prior to any modifications not shown in this manual.**

### Safety Notice

- Improper handling of a vehicle, especially while raised and supported by jack stands, ramps or other mechanical means can cause serious bodily injury or even death. It is strongly recommended that a trained, experienced mechanic, with proper equipment, install the SOS lowering kit as supplied by SOS LLC.
- SOS LLC assumes no liability expressed or implied for the improper installation or use of this product or its components.

### Liability

Performance driving is dangerous. Products used for such applications are subject to stresses and conditions outside of normal use. No representation is made to the product's ability to protect the user from injury or death. SOS Performance, LLC. (SOS) is NOT responsible for any damage resulting in equipment failure after installation. The user assumes all risk SOS is not liable for labor charges or loss of use.

### Warranty

SOS warrants your new SOS performance parts to the original purchaser for 90 days from the date of purchase, on the vehicle on which it is installed. If professionally installed by a certified ASE installer, the product warranty is for 1 (one) year from date of purchase. There is no expressed or implied warranty on the installation. If your SOS performance part fails due to defect or poor workmanship during the warranty period SOS will send you a replacement part at no charge. This warranty does not cover OEM components. There is no other express warranty and this warranty supersedes all other warranties. SOS nor any retailer or representative thereof shall not be liable for incidental, consequential, or special damages arising out of or in connection with product use or performance except as might otherwise be accorded by law (which varies from state to state). This warranty gives specific legal rights. You may also have other rights, which vary from state to state.


**If your SOS performance part requires service under the terms of this warranty, call (850) 769-3465 to obtain a Return Authorization Number and return instructions.**

**\* Remember to keep O.E. parts in case you want to return vehicle to stock height.**

**Tools required**

1/2" Drive Metric Socket Set  
 Torque wrench capable 10-90 ft/lb setting  
 Non-marring mallet  
 Spring compressor  
 Safety glasses  
 Hydraulic floor jack and safety stands  
 or automotive lift  
 2) 4" C-Clamps

**NOTE:** The installation of this kit will REQUIRE new rear shocks. Most O.E. or aftermarket 2006 Double Cab rear shocks will work. We offer the Tokico Performance shocks shown below.\*

	<p style="text-align: center;"><b>TRD Sport /Tokico Rear Shock Set</b>  <b>Price: \$119.00 + S/H (\$15.00)</b>          Tokico Shock part numbers:          Rear 48531-09260</p>
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If this kit is installed on a 4x4 or off-road Tundra with yellow Bilstein shocks both the front and rear shocks must be replaced.\*

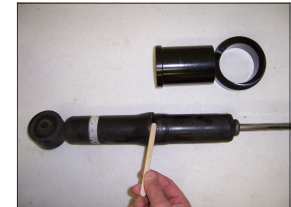
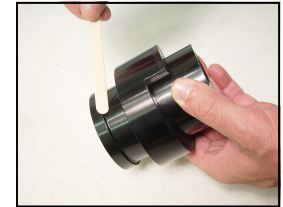
These shocks are available from a Toyota Dealership

**Toyota O.E. Front Shock - Part # 48510-09R20**  
**OR**  
**Toyota O.E. Rear Shocks - Part # 48531-A9130**

**Note:** Carefully inspect fitment of all parts to ensure vehicle manufacturer has not changed dimensions. Please contact SOS Performance prior to any modifications not shown in this manual.

**Step 4: Install the front lowering kit**

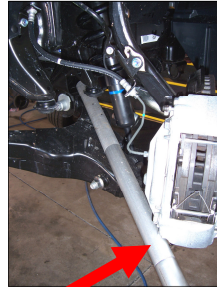
- ◆ Mix up a pack of urethane epoxy & place a small amount on the sleeve where the spring perch rests.
  - ◆ Install the spring perch.
  - ◆ Use the remaining epoxy on the 45 degree surface of the shock where the sleeve will seat.
  - ◆ Install the sleeve.
  - ◆ Slide spring onto shock assembly, being sure spring is properly seated.
  - ◆ Reassemble Shock assembly.
  - ◆ Slide shock/spring assembly into upper spring mount. Hand tighten all of the nuts.
  - ◆ Pushing down on the control arm install the lower mount bolt, nut and washer.
- Hand tighten at this time.
- ◆ Reinstall the sway bar end links.
  - ◆ Tighten all fasteners at this time.
  - ◆ Reinstall and torque wheels to factory specifications.



\* Remember to keep O.E. parts in case you want to return vehicle to stock height.

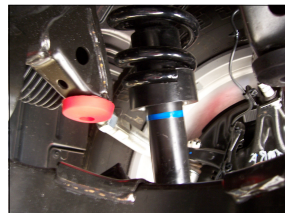
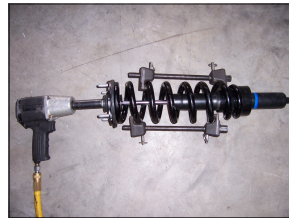


- ◆ Remove bottom shock mount nut . Leave bolt in place for now.
- ◆ Remove the four top shock mounting nuts.
  - \* Note do not remove the center nut from shock assembly
- ◆ Push down on the lower control arm and remove lower shock bolt. You must hold the shock while removing bolt.
- ◆ Remove shock, by sliding out in front of the lower control arm. Pushing down on a pry bar will add enough leverage to remove the bottom of the shock from the mount.



Note: This requires 2 people.

- ◆ Using a spring compressor, take the pre-load off the spring assembly.
- ◆ Remove the shock from the shock top mount by removing the center nut.
- ◆ Using a rubber mallet, remove the stock spring perch.\*
- ◆ Remove 4 OE bump stops\* and install the new urethane bump stops.



## Installation of Rear Lowering Kit

### Always Wear Safety glasses and Gloves

#### **Step 1:** Raise vehicle

- Break loose (do not remove) the lug nuts on both rear wheels before raising the truck.
- Refer to the Tundra Owners Manual for the correct lift points.
- Using an automotive lift, raise the vehicle and secure.

Note: If you do not have access to an automotive lift, a pair of floor jacks and jack stands can be used. Be sure to chock the front wheels and engage the parking brake. This must be done on a level concrete surface.

### NEVER LEAVE ANY VEHICLE SUPPORTED WITH ONLY A JACK, ALWAYS USE JACK STANDS

#### **Step 2:** Remove rear wheels

**Step 3:** Support the rear axle & drive shaft to prevent housing from rolling forward.

**Step 4:** Remove lower bolts on rear shocks.\*

**Step 5:** Remove stock u-bolt hardware\*

Note: Crew Max & Double Cab only - Loosen the intermediate drive shaft carrier bearing support. Ensure carrier bearing as far forward as possible.

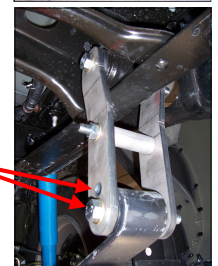
**Step 6:** Remove leaf springs and raise rear axle 4".

**Step 7:** Clamp leaf springs as shown and remove the 1/8" plate\* and reverse the pin so the nut will be on the bottom.

**Step 8:** Re-Install leaf springs using new SOS Shackle as shown. Torque the shackle nuts to 30 lbs.

Note: Use upper hole for level ride and lower hole for slight rake.

**Step 9:** Check exhaust tailpipe clearance to new leaf spring location and modify tailpipe if necessary.



\* Remember to keep O.E. parts in case you want to return vehicle to stock height.

**Step 10:** Install the SOS axle components as shown in photo below.

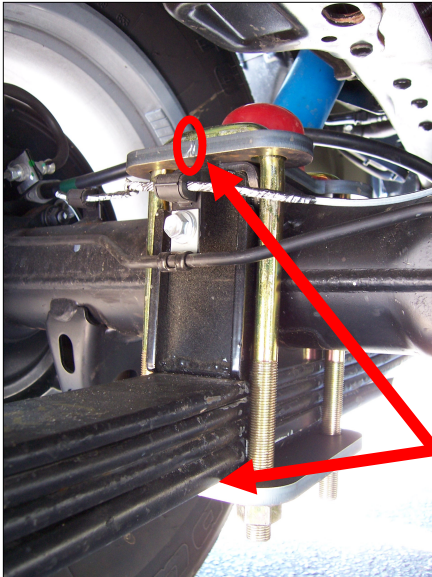
**Note:**

**Standard Cab** - Use the offset hole in the spring perch to locate the rear axle approximately 3/4" back from the stock location.

**Double Cab / Crew Max** - Use the center hole. Tighten U-bolts and adjust as needed. Torque U-bolts to 60 ft/lbs.

**Step 11:** Install NEW shocks. Note bottom shock mount is slightly wider than replacement shock - use provided washers to fill space and torque to 30 ft/lbs.

Note: Double Cab & Crew Max Only - Tighten the intermediate drive shaft carrier bearing support.



Note:  
Top and Bottom Plates have a notch that should be positioned towards the rear of the vehicle. Bottom plate notch not visible in photo.

Drivers side as viewed from Rear

Test Drive vehicle at safe speed. Make any necessary adjustments. \*Note: Re-torque u-bolts after 100 miles.

## Installation of Front lowering kit

Always Wear Safety glasses

### Step 1: Raise vehicle

- Break loose (do not remove) the lug nuts on both front wheels before raising the truck.
- Refer to the Owners Manual for the correct lift points.
- Using an automotive lift, raise the vehicle and secure.
- If you do not have access to an automotive lift, a floor jack and jacks stands can be used. This must be done on a level concrete surface. (Be sure to chock the rear wheels and engage the parking brake.)

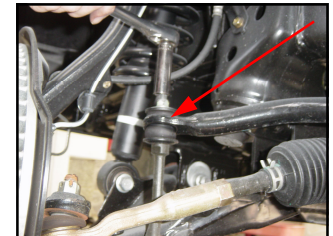
NEVER LEAVE ANY VEHICLE SUPPORTED WITH ONLY A JACK, ALWAYS USE JACK STANDS

### STEP 2: Remove front wheels

- ◆ After securing the vehicle at a convenient height, remove the front wheels.

### STEP 3: Disassemble front sway bar end links

- ◆ Remove driver and passenger side nut, washer and end link bushing.



*\* Remember to keep O.E. parts in case you want to return vehicle to stock height.*