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## **PRO COMP SUSPENSION**

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**Suspension Systems that Work!**

**PN# 65225K  
2007-2012  
Toyota Tundra  
2wd/4wd  
Leveling Kit**

This document contains very important information that includes warranty information and instructions for resolving problems you may encounter. Please keep it in the vehicle as a permanent record.

<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
94-8077m	3" COIL SPACERS	2
90-6743	<b>HARDWARE PACK:</b>	1
90-2840	DIFF MOUNT SPACER	2
90-8076	SKID PLATE SPACER	3
90-6739	<b>HARDWARE PACK: diff spacers</b>	1
.80C400HCS1Z	M8-1.25 X 40mm HEX BOLT GR. 10.9	3
31NWUSZ	5/16" USS FLAT WASHER	3
.140F1500HCS1Y	M14-1.5 X 150mm HEX BOLT GR. 10.9	2
.140NWHDY	M14 FLAT WASHER	4
.140FNNEZ	M14-1.5 NYLOCK NUT	2
90-6610m	<b>HARDWARE PACK: Coil Spacers</b>	1
.100FNFLZ	10mm-1.25 FLANGE NUT	8
13-90126Em	U-BOLT	4
95-102	1" LIFT BLOCK	2
20-65302m	<b>HARDWARE PACK: Hi Nuts</b>	1

*NOTE: All part images may vary from catalog and instructions.*

**RECOMMENDED PRO COMP SHOCKS**

**2007-2012 Tundra 2WD & 4WD**

**Front Strut: 623553**

**ES9000 (rear): 925518**

**MX-6 (rear): MX6147**

**Optional Equipment Available from your Pro Comp Distributor!**

**4WD Suspension Lift Kit: 57047/57047MX**

**Coil Over Add On Kit: 57057/57057MX**

**Traction Bars: 72500**

**Mounting kit: 72077**

**Skid Plate: 57197**

Also, Check out our outstanding selection of Pro Comp tires to compliment your new installation!

## Introduction:

- ◆ This installation requires a professional mechanic!
- ◆ We recommend that you have access to a factory service manual for your vehicle to assist in the disassembly and reassembly of your vehicle. It contains a wealth of detailed information.
- ◆ Prior to installation, carefully inspect the vehicle's steering and driveline systems paying close attention to the tie rod ends, ball joints, wheel bearing preload, pitman and idler arm. Additionally, check steering-to-frame and suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition. Repair or replace all worn or damaged parts!
- ◆ Read the instructions carefully and study the illustrations before attempting installation! You may save yourself a lot of extra work.
- ◆ Check the parts and hardware against the parts list to assure that your kit is complete. Separating parts according to the areas where they will be used and placing the hardware with the brackets before you begin will save installation time.
- ◆ Check the special equipment list and ensure the availability of these tools.
- ◆ Secure and properly block vehicle prior to beginning installation.
- ◆ ALWAYS wear safety glasses when using power tools or working under the vehicle!
- ◆ Use caution when cutting is required under the vehicle. The factory undercoating is flammable. Take appropriate precautions. Have a fire extinguisher close at hand.
- ◆ Foot pound torque readings are listed on the Torque Specifications chart at the end of the instructions. These are to be used unless specifically directed otherwise. Apply thread lock retaining compound where specified.
- ◆ **Please note that while every effort is made to ensure that the installation of your Pro Comp lift kit is a positive experience, variations in construction and assembly in the vehicle manufacturing process will virtually ensure that some parts may seem difficult to install. Additionally, the current trend in manufacturing of vehicles results in a frame that is highly flexible and may shift slightly on disassembly prior to installation. The use of pry bars and tapered punches for alignment is considered normal and usually does not indicate a faulty product. However, if you are uncertain about some aspect of the installation process, please feel free to call our tech support department at the number listed on the cover page. We do not recommend that you modify the Pro Comp parts in any way as this will void any warranty expressed or implied by the Pro Comp Suspension company.**

## FRONT INSTALLATION:

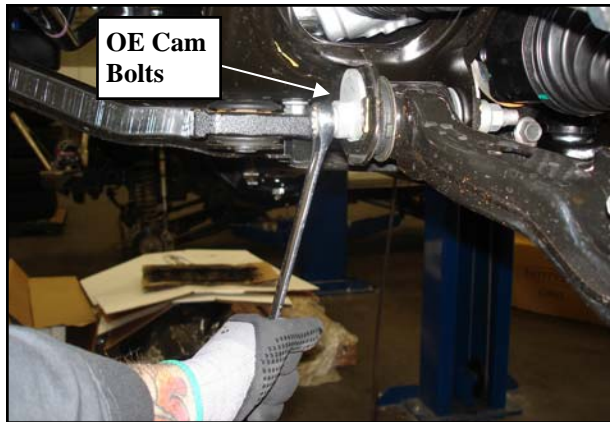
1. Measure the vehicle from the center of the hub to the fender lip and record this measurement below.

LF: \_\_\_\_\_ RF: \_\_\_\_\_

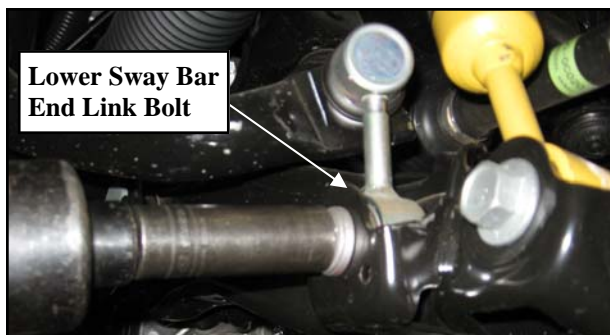
LR: \_\_\_\_\_ RR: \_\_\_\_\_

2. Be sure you are working on a level surface. Block the rear tires and raise the front of the vehicle. Support the frame with jack stands.
3. Remove the front wheels.
4. Remove the skid plate from the vehicle. Save for reinstallation.
5. Loosen, but **DO NOT** remove, the lower control arm cam bolts.

**IMPORTANT! DO NOT** remove the alignment cams.



6. Unbolt the sway bar end links from the lower control arm. Save the hardware for reuse.

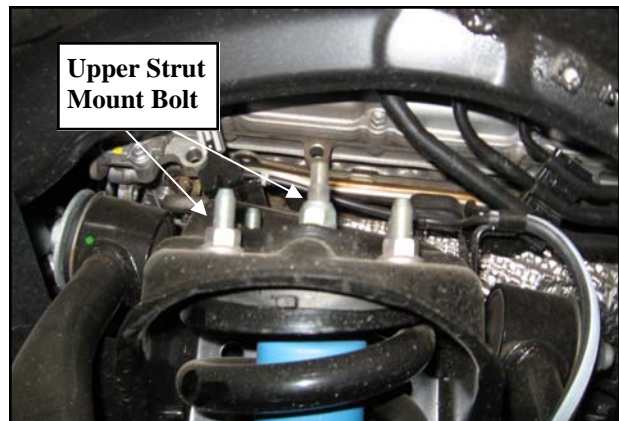


7. Starting on the driver's side, remove the lower strut bolt from the lower control arm.

**NOTE: The direction of the bolt for reinstallation.**

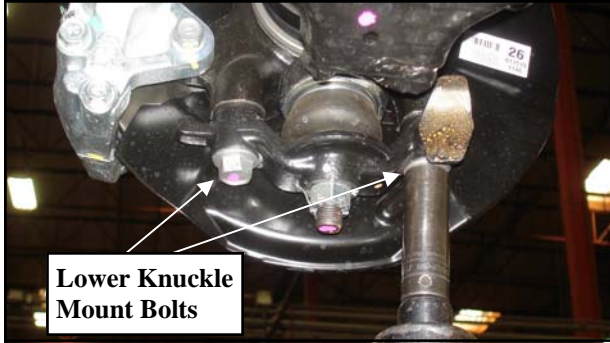


8. Loosen, but **DO NOT** remove the upper strut nut on the strut tower (4) on each side of the vehicle that holds the strut assembly to the strut tower.



9. Support the lower control arm with a floor jack and remove the (2) lower knuckle mounting bolts.

**NOTE: Please take caution as the lower control arm will swing down as soon as you remove the lower ball joint bolts.**



10. Remove the strut assembly from the vehicle and install securely in a bench vise.

11. Now would be a good time to inspect the front struts for damage or fluid leakage. Replace if necessary.

**NOTE: For improved performance Pro Comp struts/shocks are recommended. See the box on page 2 for applications.**

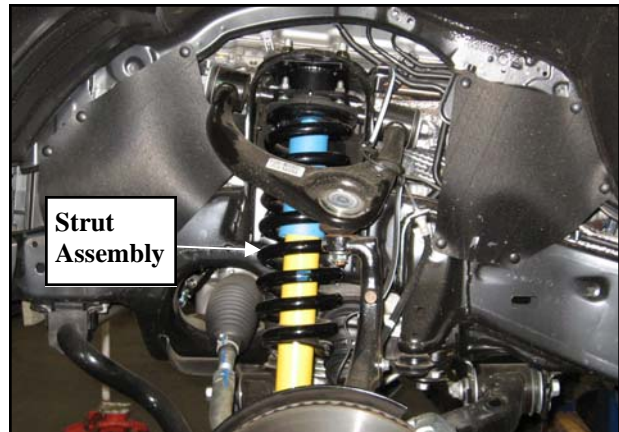
12. Install the strut spacer (94-8077m) onto the OE strut and secure using the previously removed OE hardware.



13. Install the strut assembly into the strut tower and secure using the upper (4) 10mm flange nuts. (Make

sure the bottom of the strut is aligned properly)

**NOTE: It may be necessary to push the lower a-arm down to aid in the re-installation of the strut assembly, and a floor jack to raise the lower a-arm up in order to get the lower ball joint mount installed.**



14. Install the lower strut bolt in the original position that it was removed.

15. Using the floor jack, raise the lower control arm and secure the lower ball joint mount to the knuckle using the previously removed (2) OE bolts. Torque per OE specifications.

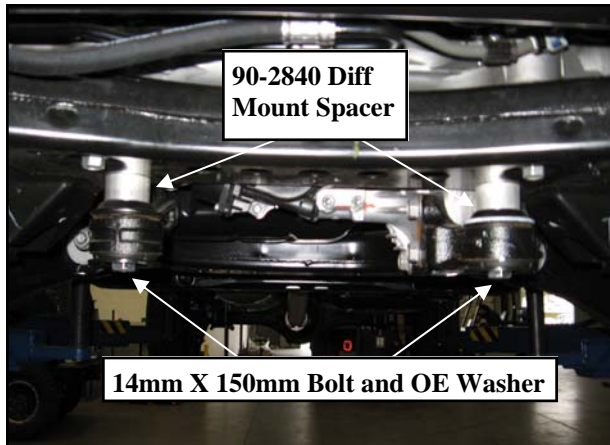
16. Repeat steps 7 through 15 on the remaining side of the vehicle.

17. Carefully position a floor jack under the front differential and raise the pad to contact the differential.

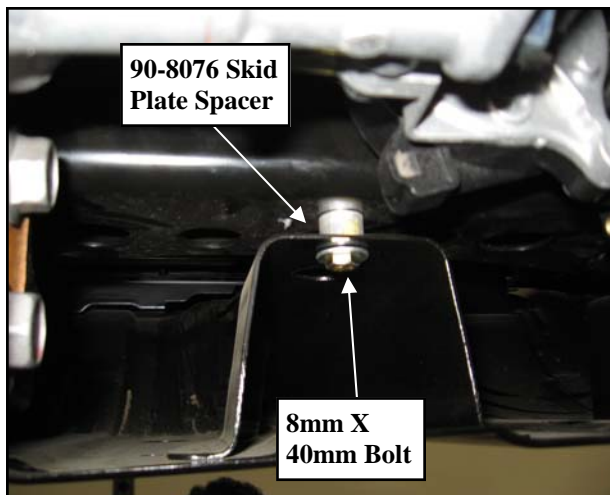
18. Remove the (2) OE front differential mounting nuts and bolts.

**NOTE: The large OE washer will be reused.**

19. Install the differential mount spacers (**90-2840**) between the diff mounts and the front crossmember. Secure the diff mount using the supplied **14mm X 150mm** bolts, large **OE** washer and **14mm** hardware. Torque per **OE** specifications.



20. Reinstall the front skid plate using the **(2) OE** bolts to the front skid plate mounts. Torque per **OE** specifications.
21. Secure the rear of the skid plate to the rear skid plate frame mounts using the supplied **8mm X 40mm** bolt, skid plate spacer (**90-8076**) and **5/16"** washer.



22. Install the front tires/wheels and lower the vehicle onto the ground.
23. Torque the lower control arm cam bolts per **OE** specifications.
24. Reinstall the sway bar end links to the lower a-arm using the previously removed **OE** hardware.
25. Torque all bolts to factory specifications. Re-torque all bolts after 500 miles.

***IMPORTANT! BE SURE TO BRING THE VEHICLE IMMEDIATELY TO A REPUTABLE ALIGNMENT SHOP TO BE ALIGNED!***

### **Modifications to Clear 35" Tires:**

1. With the wheel mounted to the vehicle, turn the wheel full lock in both directions and mark the contact points of the tires on both sides. Remove the skid plate and cut off the previously marked areas using a cut-off wheel or other suitable tool. De-burr all the edges, reinstall and check for any clearance issues.

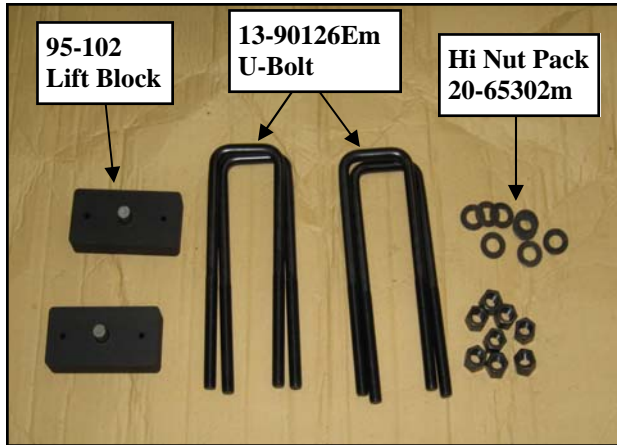




2. Remove the front flap. Push the inner fender forward to create additional clearance. The mounting location on the inner fender will need to be trimmed to create the additional clearance. The inner mounting hole will also have to be re-drilled in its new position.



## REAR INSTALLATION:



1. Block the front tires and raise the rear of the vehicle. Support the frame with jack stands forward of the rear springs.
2. Remove the rear wheels.
3. Unbolt the lower shock mount bolts on both sides of the vehicle. It may be necessary that you slightly raise the axle to unload the shocks for removal.
4. Work on one side of the vehicle at a time.
5. Support the rear axle with a floor jack and remove the **U-bolts** on the driver side. Loosen the **U-bolts** on the passenger side and carefully lower the rear axle.

**NOTE: Be sure not to over extend the rear brake line and rear axle vent line.**

6. Install the lift block (**95-102**) making sure the pin are fitted into the hole on the spring perch. Use your floor jack to raise the axle to the spring making sure the pin on the leaf spring fit into the holes on the new lift block.
7. Secure the assembly with the **U-bolts (13-90126Em)** and new hi-nuts and washers from hardware pack (**20-65302m**). Do not torque the **U-bolts** at this time.

**NOTE: Make sure the block sits**

***flush on the axle perch.***

8. Repeat the installation on the other side of the vehicle.
9. When the installation of the remaining side is complete, torque the **U-bolts** to **120** ft./lbs.
10. Reinstall the lower shock mounts using the previously removed **OE** lower bolts. Torque per **OE** specifications.
11. Now would be a good time to inspect the shocks for damage or fluid leakage. Replace if necessary.  
**NOTE: For improved performance Pro Comp shocks are recommended. See the box on page 2 for applications.**
12. Check all hardware at this time to ensure that everything is tight. Check for adequate clearance on all repositioned brake lines and emergency brake cables. Make sure you check with the suspension fully extended, and compressed.
13. Reinstall the wheels and lower the vehicle to the ground. Torque the lug nuts according to the wheel manufacturers recommendations.
14. Torque all bolts to factory specifications. Re-torque all bolts after 500 miles.



Use this only as a guide for hardware without a called out torque specification in the instruction manual.

<b>Bolt Torque and ID</b>						
<b>Decimal System</b>			<b>Metric System</b>			
All Torques in Ft. Lbs. Maximums						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290

1/2-13x1.75 HHCS      **Grade 5**    **Grade 8**  
 (No. of Marks + 2)

D    T    L    X

G = Grade (Bolt Strength)  
 D = Nominal Diameter (Inches)  
 T = Thread Count (Threads per Inch)  
 L = Length (Inches)  
 X = Description (Hex Head Cap Screw)

M12-1.25x50 HHCS

D    T    L    X

P = Property Class (Bolt Strength)  
 D = Nominal Diameter (Millimeters)  
 T = Thread Pitch (Thread Width, mm)  
 L = Length (Millimeters)  
 X = Description (Hex Head Cap Screw)

**Notice to Owner operator, Dealer and Installer:**

Vehicles that have been enhanced for off-road performance often have unique handling characteristics due to the higher center of gravity and larger tires. This vehicle may handle, react and stop differently than many passenger cars or unmodified vehicles, both on and off-road. You must drive your vehicle safely! Extreme care should always be taken to prevent vehicle rollover or loss of control, which can result in serious injury or even death. Always avoid sudden sharp turns or abrupt maneuvers and allow more time and distance for braking! Pro Comp reminds you to fasten your seat belts at all times and reduce speed! We will gladly answer any questions concerning the design, function, maintenance and correct use of our products.

**Please make sure your Dealer/Installer explains and delivers all warning notices, warranty forms and instruction sheets included with Pro Comp product.**

Application listings in this catalog have been carefully fit checked for each model and year denoted. However, Pro Comp reserves the right to update as necessary, without notice, and will not be held responsible for misprints, changes or variations made by vehicle manufacturers. Please call when in question regarding new model year, vehicles not listed by specific body or chassis styles or vehicles not originally distributed in the USA.

**Please note that certain mechanical aspects of any suspension lift product may accelerate ordinary wear of original equipment components.** Further, installation of certain Pro Comp products may void the vehicle’s factory warranty as it pertains to certain covered parts; it is the consumer’s responsibility to check with their local dealer for warranty coverage before installation of the lift.

**Warranty and Return policy:**

Pro Comp warrants its full line of products to be free from defects in workmanship and materials. Pro Comp’s obligation under this warranty is limited to repair or replacement, at Pro Comp’s option, of the defective product. Any and all costs of removal, installation, freight or incidental or consequential damages are expressly excluded from this warranty. Pro Comp is not responsible for damages and / or warranty of other vehicle parts related or non-related to the installation of Pro Comp product. A consumer who makes the decision to modify his vehicle with aftermarket components of any kind will assume all risk and responsibility for potential damages incurred as a result of their chosen modifications. Warranty coverage does not include consumer opinions regarding ride comfort, fitment and design. Warranty claims can be made directly with Pro Comp or at any factory authorized Pro Comp dealer.

**IMPORTANT!** To validate the warranty on this purchase please be sure to mail in the warranty card.

**Claims not covered under warranty-**

- Parts subject to normal wear, this includes bushings, bump stops, ball joints, tie rod ends and heim joints
  - Discontinued products at Pro Comp’s discretion
- Bent or dented product
- Finish after 90 days
- Leaf or coil springs used without proper bump stops
- Light bulbs
- Products with evident damage caused by abrasion or contact with other items
- Damage caused as a result of not following recommendations or requirements called out in the installation manuals
- Products used in applications other than listed in Pro Comp’s catalog
- Components or accessories used in conjunction with other manufacturer’s systems
- Tire & Wheel Warranty as per Pro Competition Tire Company policy
- Warranty claims without “Proof of Purchase”
- Pro Comp Pro Runner coil over shocks are considered a serviceable shock with a one-year warranty against leakage only. Rebuild service and replacement parts will be available and sold separately by Pro Comp. Contact Pro Comp for specific service charges.
- Pro Comp accepts no responsibility for any altered product, improper installation, lack of or improper maintenance, or improper use of our products.

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Ph: (619) 216-1444

<b>PLACE</b>
<b>WARRANTY REGISTRATION</b>
<b>NUMBER</b>
<b>HERE:</b> _____