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PRO COMP SUSPENSION

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**57002B**

**2005-2014 Toyota Tacoma 4WD/2WD Pre-Runner A-Arm 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>
94-8346	UPPER A-ARM: Drvr	1
94-8349	UPPER A-ARM: Pass	1
90-6968	HARDWARE PACK: A-arm	1
15-11329	BUSHING	8
90-6977	HARDWARE PACK: Grease	1
90-8222	SLEEVE	4
90-4621	SPACER: Top	2
90-4622	SPACER: Bottom	2
90-4623	UNIBALL CUP CAP	2
70-0504001823	1/2" X 4" 12pt. BOLT	2
72-050200512	1/2" Gr. 5 NYLOCK NUT	2
73-05000034	1/2" SAE FLAT WASHER Gr. 8	2
90-4433	GREASE PACK	2
90-4612	1/4"-28 ZERK: Self Tapping	4
90-3240	#6 ADEL CLAMP	2
90-6902	HARDWARE PACK: ABS Line	1
25C75HC8I/IMP	1/4"-20 X 3/4" HEX BOLT Gr. 8	2
25RWHDI/IMP	1/4" HARDENED FLAT WASHER	4
25CNNLI/GR-C	1/4"-20 NYLOCK NUT Gr. C	2
90-9607	WASHER: 2.250 OD x .635 ID X .125"	8

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

### RECOMMENDED PRO COMP SHOCKS

#### 2005-2014 Tacoma 4WD

0" Lift	<u>Front Strut:</u>	622053 (OE replacement Strut) ZX2075 (OE replacement Strut)
0" Lift	<u>ES9000 (rear):</u>	922511 ZX2012
0" Lift	<u>MX-6 (rear):</u>	MX6134

## Optional Equipment Available from your Pro Comp Distributor!

4WD/2WD Pre Runner Suspension Lift Kit: 57096B/57096BMX-2005-2006  
57396B/57396BMX-2007-2014

Coil Over Upgrade Kit: 57097B/57097BMX (For 6" Lift Kits Only)

Traction Bars: 72500B                      Mounting kit: 72083B

Skid Plate: 57196

Light Bar: 25000

Add-A-Leaf Kit: 13129

4WD Front Differential Spacer Pack: 90-6743

4WD Front Differential Spacer Hardware Pack: 90-6739

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.**

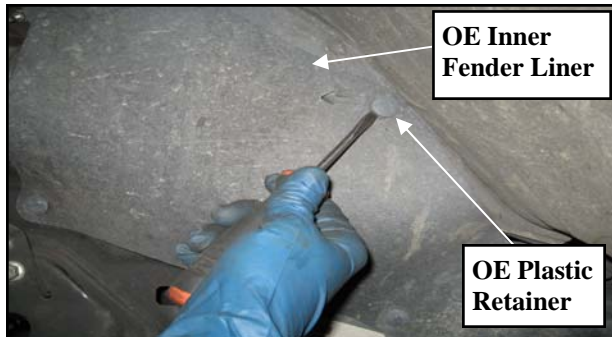
## FRONT INSTALLATION:

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 skid plate and front wheels.
4. Remove the **OE** plastic retainers and remove the plastic inner fender liners from the vehicle.



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

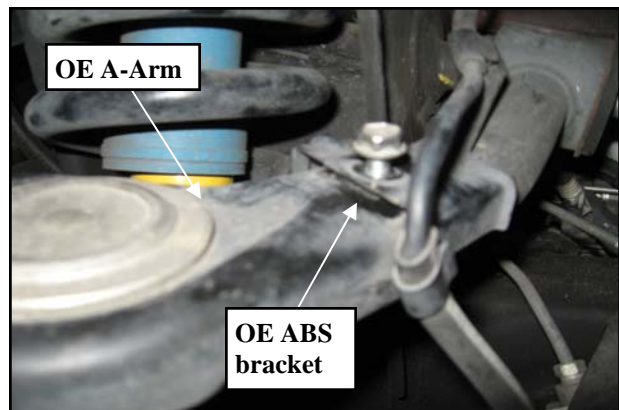
*Note the position of the bolt for reinstallation.*



6. Loosen, but **DO NOT** remove, the lower control arm cam bolts.



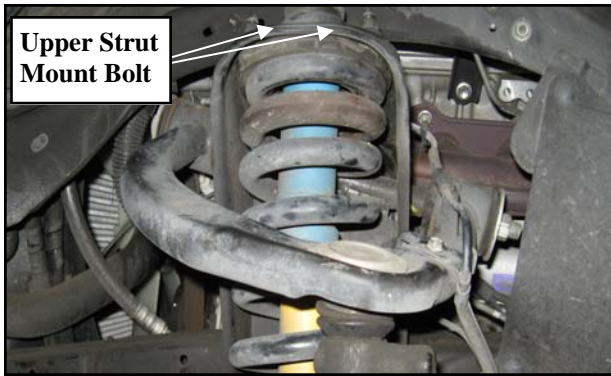
7. Unbolt and remove the ABS bracket from the A-arm.



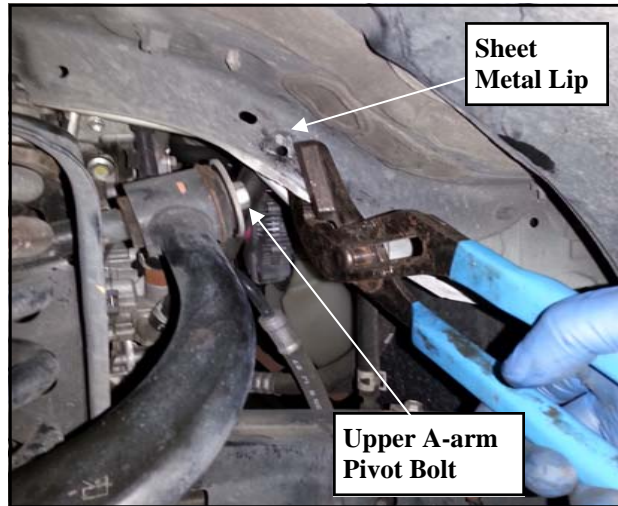
8. Unbolt the battery cable harness bracket located below the battery. Save the **OE** hardware.



9. Remove the upper strut nut on the strut tower (3) on each side of the vehicle that holds the strut assembly to the strut tower.



10. Remove the **OE** cotter pin and loosen the upper ball joint nut. Support the knuckle and remove the upper ball joint nut from the knuckle. Separate using the appropriate tool.



12. Remove the upper A-arm from the vehicle. Save the **OE** hardware for reinstallation.

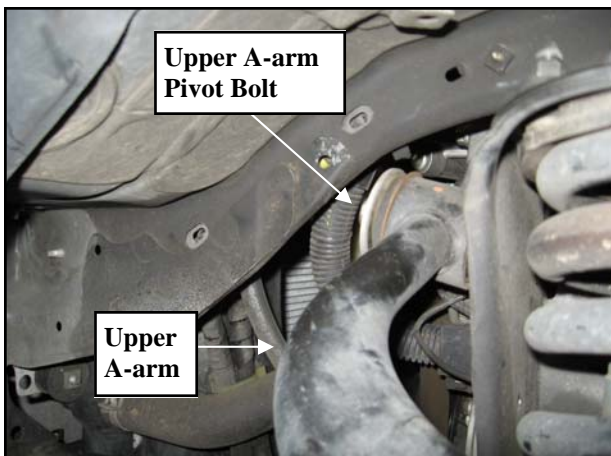


11. Remove the **OE** upper A-Arm pivot bolt.

*NOTE: The sheet metal lip will have to be pulled out of the way to remove the A-Arm pivot bolt.*



13. Remove the **OE** strut assembly from the vehicle.



14. Install the (**4 per arm**) bushings (**15-11329**) into the Pro Comp upper A-arm (**94-8346 Drvr** and **94-8349 Pass**).

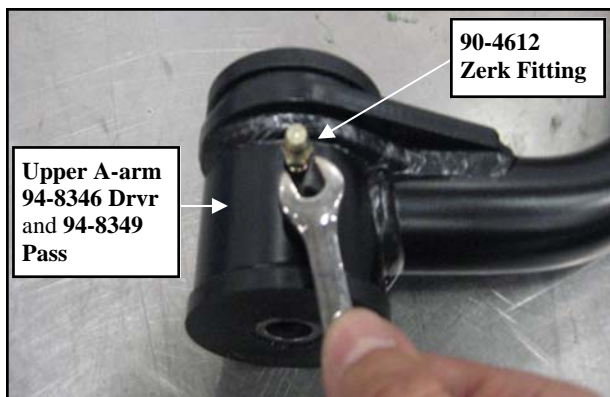


15. Insert the sleeve (**90-8222**) into the upper A-arm bushings.

**IMPORTANT!:** Be sure to apply grease from the supplied grease pack (**90-4423**) to the sleeve before installation.



16. Install the supplied Zerk fitting (**90-4612**) into the Pro Comp A-arm (**94-8346 Drvr** and **94-8349**).



17. Install the coil over strut into the strut tower and secure using the previously removed OE hardware.

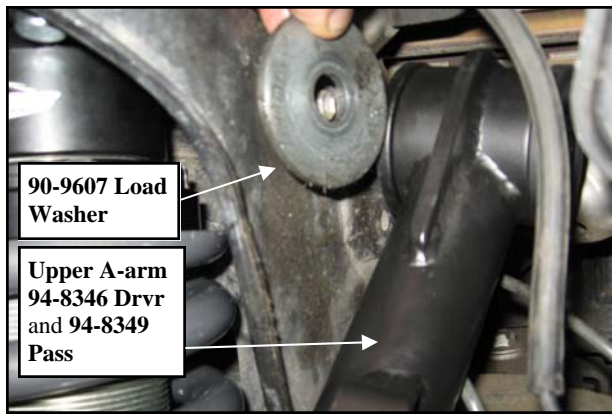
**NOTE:** It may be necessary to push the lower A-arm down to aid in the re-installation of the strut assembly.



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

19. Install the Pro Comp upper A-arm (**94-8346 Drvr** and **94-8349**) into the original mounting location using the (**2 per side**) load washer (**90-9607**), OE pivot bolt and hardware. Torque according to the chart on page 9.





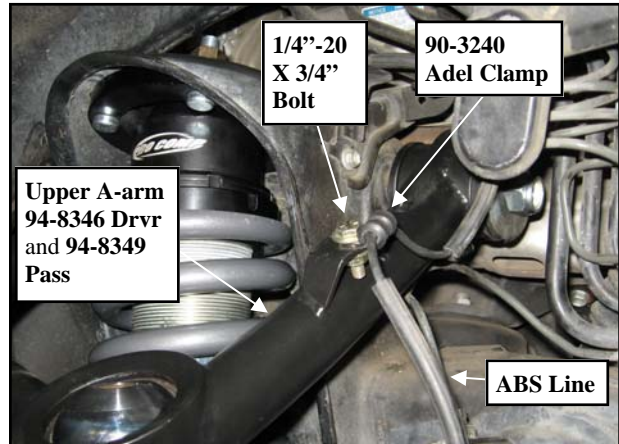
20. Insert spacer (90-4621 top and 90-4622 bottom) into the uniball on the Pro Comp upper A-arm.



21. Using a floor jack, raise the lower A-arm and knuckle and secure the upper ball joint mount to the knuckle using the supplied 1/2" X 4" and hardware. Torque 1/2" hardware according to chart on page 9.



**IMPORTANT!:** When the 1/2" upper ball joint bolt is properly tightened there will be a 1/16" gap between the OE knuckle and the bottom spacer (90-4622).



22. Install the supplied Adel clamp (90-3240) onto the ABS line. Secure the ABS line to the upper A-arm using the supplied 1/4"-20 X 3/4" bolts and hardware.

23. Install the uniball cup cap (90-4623) onto the upper A-arm uniball. Tap lightly into place using a dead blow hammer.

24. Repeat steps 4 through 23 on the remaining side of the vehicle.

25. Reinstall the battery cable harness bracket using the previously removed OE hardware.

26. Reinstall the previously removed OE plastic inner fender liners using the OE plastic retainers.

27. Reinstall the front skid plate using OE hardware.

28. Install the front tires/wheels and lower the vehicle onto the ground.

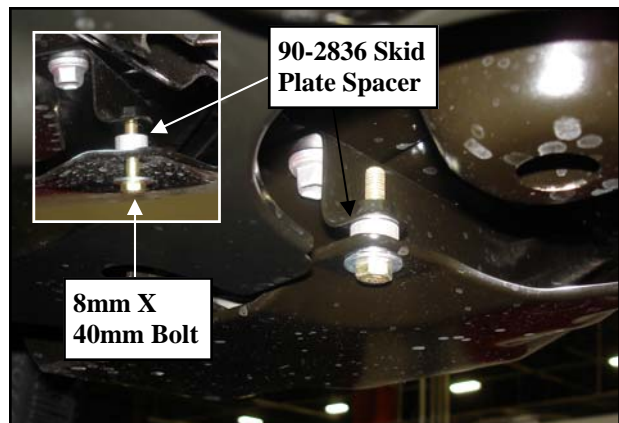
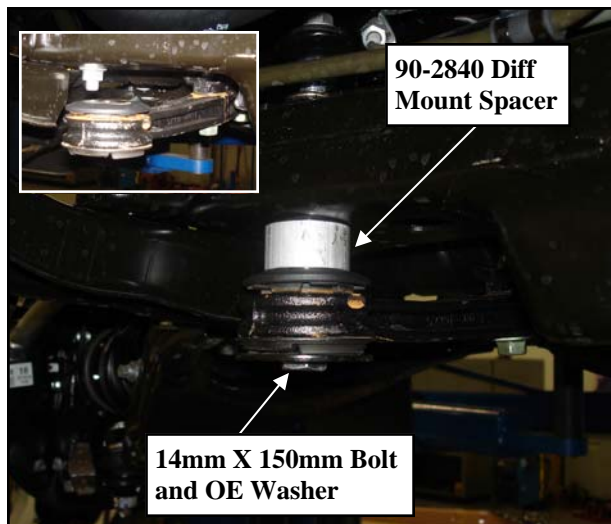
29. Torque the lower A-arm cam bolts per **OE** specifications.
30. Torque all bolts to factory specifications. Re-torque all bolts after 500 miles.

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

***NOTE: 4WD VEHICLES ONLY, if front drive line vibration occurs, install differential spacer pack (90-6743 qty 1) and differential spacer hardware pack (90-6739 qty 1) sold separately.***

### **DIFFERENTIAL SPACER INSTALLATION:**

1. Remove front skid plate.
2. Carefully position a floor jack under the front differential and raise the pad to contact the differential.



3. Remove the **OE** differential mounting nuts and bolts.

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

3. 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.
4. Reinstall the front skid plate using the (**2**) **OE** bolts to the front skid plate mounts. Torque per **OE** specifications.
5. 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.



**Revision Page:**

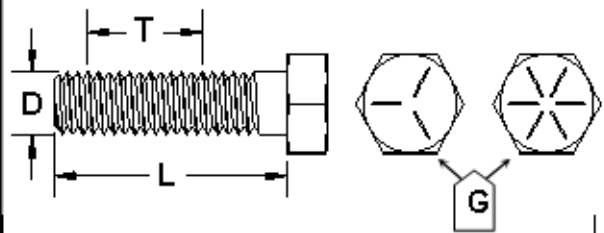
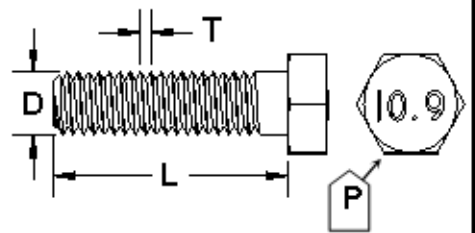
**7.16.14:** Changed sleeve PN in text step 15 from 90-8331 to 90-8222.

**9.16.14:** Added note after step 21.

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

	
<p>1/2-13x1.75 HHCS</p> <p><b>Grade 5    Grade 8</b></p> <p>(No. of Marks + 2)</p>	<p>M12-1.25x50 HHCS</p>
<p>D T L X</p>	<p>D T L X</p>
<p>G = Grade (Bolt Strength)</p> <p>D = Nominal Diameter (Inches)</p> <p>T = Thread Count (Threads per Inch)</p> <p>L = Length (Inches)</p> <p>X = Description (Hex Head Cap Screw)</p>	<p>P = Property Class (Bolt Strength)</p> <p>D = Nominal Diameter (Millimeters)</p> <p>T = Thread Pitch (Thread Width, mm)</p> <p>L = Length (Millimeters)</p> <p>X = Description (Hex Head Cap Screw)</p>