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# 2005 - 2016 Toyota Tacoma 1" - 3" Performance Strut Installation Instructions

### REQUIRED TOOL LIST:

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



Before beginning the installation, thoroughly & completely read these instructions & the enclosed driver's WARNING NOTICE. Affix the WARNING decal in the passenger compartment in clear view of all occupants. Please refer to the Parts List to insure that all parts & hardware are received prior to the disassembly of the vehicle. If any parts are found to be missing, contact SKYJACKER® Customer Service at 318-388-0816 to obtain the needed items. If you have any questions or reservations about installing this product, contact SKYJACKER® Technical Assistance at 318-388-0816.

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

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

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

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

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

### Important Notes:

- This lift kit is **not designed** nor **will fit** Toyota Tacoma **T/X Baja** models.
- If larger tires (10% more than the OEM diameter) are installed, speedometer recalibration will be necessary. Contact your local Toyota dealer or an authorized dealer for details.
- After installation, a qualified alignment facility is required to align the vehicle to the OEM specifications.

## Component Box Breakdown:

### Part #: TC530ST / TC530STBH

| Item #       | Description  | Qty | Item #    | Description   | Qty |
|--------------|--|-----|-----------|---|-----|
| 513STS       | TOYOTA 1"-3" ADJ FRT STRUT                                   | 2   | HB-916    | HDWR BAG: 9/16 FINE THR NUT                             | 1   |
| RBF125       | 1.25" FLAT REAR BLOCK<br>(Included With TC530STBH Box)       | 2   | H7045     | HYDRO SHOCK W/RED BOOT<br>(Included With TC530STBH Box) | 2   |
| 916X212X7U   | 9/16 X 2 1/2 X 7 U-BOLT<br>(Included With TC530ST Box)       | 4   | I-TC530ST | INST SHT: TC530ST/TC530STBH                             | 1   |
| 916X212X834U | 9/16 X 2 1/2 X 8 3/4 U-BOLT<br>(Included With TC530STBH Box) | 4   |           |   |     |

## Hardware Bag Breakdown:

### Part # HB-916

| Item # | Description               | Qty |
|--------|---------------------------|-----|
| 916FTN | 9/16 FINE THREAD LOCK NUT | 8   |

## Front Installation:

1. With the vehicle on flat level ground, set the emergency brake, & block the rear tires / wheels.
2. Place a floor jack under the lower control arm's front cross member & raise the front of the vehicle. Place jack stands under the frame rails, behind the front wheel wells & lower the frame of the vehicle onto the jack stands.
3. Remove the front tires / wheels.
4. Remove the OEM ABS lines from the OEM upper A-arms & disconnect the OEM ABS / brake lines from the OEM steering knuckles. (See Photo # 1)
5. Disconnect the OEM outer tie rods from the OEM steering knuckles using a tie rod remover or other suitable tool. (See Photo # 2)
6. Disconnect the lower strut mounts from the OEM lower A-arms & disconnect the OEM sway bar end links from the OEM steering knuckles. (See Photo # 3)
7. Disconnect the OEM upper A-arms from the OEM steering knuckles using a ball joint remover or other suitable tool. (See Photo # 4)



8. Remove the upper strut mounting bolts from the OEM upper frame mounts & remove the OEM strut assemblies. (See Photo # 5)
9. Using a strut spring compressor, unload the tension on the OEM upper mounts of the OEM strut assemblies. Remove the upper strut retaining nuts & remove the OEM struts from the bottom strut assemblies. (See Photo # 6)



Photo # 5



Photo # 6

**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, after market bumper, & etc). The lower grooves can be used if you would like to keep the OEM 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.**

10. Assemble the strut assemblies using the new Skyjacker struts. (See Photo # 7) **Note:** The OEM upper stem bushings will be reused.
11. Connect the new strut assemblies to the OEM lower A-arms using the OEM hardware. **Note:** Install the OEM bolts from the rear, towards the front of the vehicle. (See Photo # 8)
12. Connect the OEM upper strut mounts to the frame using the OEM hardware. Connect the OEM upper A-arms to the OEM steering knuckles using the OEM hardware. **Note:** It may be necessary to use a pry bar to pull the OEM A-arms down enough to reattach.



Photo # 7

13. Connect the OEM outer tie rods to the OEM steering knuckles using the OEM hardware.
14. Install the OEM ABS lines to the OEM upper A-arms using the OEM hardware.
15. Connect the OEM ABS / brake lines & OEM sway bar end links to the OEM steering knuckles using the OEM hardware. (See Photo # 9)



Photo # 9



Photo # 8



16. Install the front tires / wheels & lower the front of the vehicle to the ground.

## **Rear Installation:**

17. Block the front tires / wheels & raise the rear of the vehicle using a floor jack. Properly support the frame rails using jack stands & remove the rear tires / wheels.
18. Remove the OEM rear shocks & disconnect the OEM brake line bracket from the axle.
19. Remove the OEM rear u-bolts & lower the rear axle to allow access to the OEM rear leaf springs.



## **Rear Add-A-Leaf Installation:**

20. Using c-clamps, secure the OEM leaf spring together & remove the OEM center tie bolt. (See Photo # 10) Loosen the c-clamps & install the new Skyjacker add-a-leaf into the OEM leaf spring. The new add-a-leaf will fit into the OEM leaf spring longest to shortest. Reattach the c-clamps tightly & install the new Skyjacker center tie bolt. **Note:** DO NOT use the center tie bolt to draw the leaf spring pack together.
21. Raise the rear axle & install the new Skyjacker 9/16" x 2 1/2" x 7" u-bolts using the supplied 9/16" nuts.

## **Rear Block Installation:**

22. Install the new Skyjacker 1.25" rear blocks between the OEM leaf springs & rear axle.
23. Raise the rear axle & install the new Skyjacker 9/16" x 2 1/2" x 8 3/4" u-bolts using the supplied 9/16" nuts.

## **Rear Leaf Spring Installation:**

24. Disconnect the E-brake cable from the OEM leaf spring. Remove the OEM leaf springs & install the new Skyjacker leaf springs.
25. Raise the rear axle & install the new Skyjacker 9/16" x 2 1/2" x 7" u-bolts using the supplied 9/16" nuts.
26. Connect the OEM brake line bracket to the rear axle & connect the E-brake cable to the OEM leaf spring using the OEM hardware.
27. Install the new Skyjacker rear shocks using the supplied & OEM hardware.
28. Install the rear tires / wheels & lower the rear of the vehicle to the ground.

**Final Notes:**

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart for the proper torque specifications. (Do not retighten the nuts & bolts where thread lock compound was used.)
- With the vehicle placed on the ground, cycle the steering lock to lock & inspect the steering, suspension, brake lines, front & rear drivelines, fuel lines, & wiring harnesses for proper operation, tightness, & adequate clearance.
- Have the headlights readjusted to the proper settings.
- Have a qualified alignment center align the vehicle to the OEM specifications.
- After the first 100 miles, check all of the hardware for the proper torque & periodically thereafter.

| <b>TORQUE SPECIFICATIONS</b> |                |                |                             |                  |                   |
|------------------------------|----------------|----------------|-----------------------------|------------------|-------------------|
| <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 FTLB       | 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.**

**Seat Belts Save Lives, Please Wear Your Seat Belt.**



**Jesus Forgives,  
Rocks Don't**

***Jesus Christ Died For You.***

John 3:16

For God so loved the world that He gave His only Son, so that everyone who believes in Him should not perish, but have everlasting life.  
Romans 3:23

For all have sinned; all fall short of God's glorious standard.  
Ephesians 2:8

God saved you by his special favor when you believed. And you can't take credit for this; it is a gift from God.  
Psalms 18:2

The Lord is my Rock, my fortress, and my savior; my God is my Rock, in whom I find protection. He is my shield, the strength of my salvation, and my stronghold.  
Romans 10:9-10

That if you shall confess with thy mouth the Lord Jesus, and shall believe in your heart that God hath raised him from the dead, you shall be saved. For with the heart man believeth unto righteousness; and with the mouth confession is made unto salvation.

**Pray This Simple Prayer:**

God, I come to You admitting I have sinned against You and I need you to take control of my life. The Bible says anyone who calls on the name of the Lord will be saved. I am calling on You, Jesus. I ask that You come live in my heart and be the Lord over my life today. I do believe You died on the cross for me and came back to life to give me life! Thank You, Lord Jesus for a new life in You!

Now, go and tell somebody about your new life in Jesus, get a Bible, begin to read it, and go to a Bible believing church.

If you would like someone to pray with you, call Kenneth Copeland Ministries anytime at 800-600-7395.

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***Jesús murió por ti.***

Juan 3:16

“Porque tanto amó Dios al mundo, que dio a su Hijo unigénito, para que todo el que cree en él no se pierda, sino que tenga vida eterna.”  
Romanos 3:23

“Pues todos han pecado y están privados de la gloria de Dios.”  
Efesios 2:8

“Porque por gracia ustedes han sido salvados mediante la fe; esto no procede de ustedes, sino que es el regalo de Dios.”  
Salmos 18:2

“El Señor es mi roca, mi amparo, mi libertador; es mi Dios, el peñasco en que me refugio. Es mi escudo, el poder que me salva, ¡mi más alto escondite!”  
Romanos 10:9-10

“9 Que si confi esas con tu boca que Jesús es el Señor, y crees en tu corazón que Dios lo levantó de entre los muertos, serás salvo. 10 Porque con el corazón se cree para ser justifi cado, pero con la boca se confi esa para ser salvo.”

**Ahora dí esta simple oración:**

Dios, vengo a Ti y admito que he pecado contra Ti, necesito que tomes el control de mi vida. La Biblia dice que todo aquel que invoca el nombre del Señor escapará con vida. En este momento yo clamo ante Ti, Jesús; te pido que vengas a vivir en mi corazón y que tomes el control de mi vida. ¡Yo creo que tu moriste en la cruz y resucitaste para darme vida! ¡Gracias Señor Jesús, por una nueva vida que tengo en Ti! Amen.

Ahora ve y dile a alguien sobre la nueva vida que tienes en Cristo. Compra una Biblia y empieza a leerla. Busca una Iglesia que cree en la Biblia y hazte parte de esa Iglesia.

Si te gustaría orar con alguien, puedes llamar a este número 800-600-7395

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