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## 2007-13 Jeep Wrangler JK 2"- 2.5" Suspension Lift Installation Instructions

### Required Tools List:

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Assorted Drill Bits
- Floor Jack
- Jack Stands
- Measuring Tape
- 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.

Make sure you 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 is determined from the amount of lift to the front of the vehicle, while only lifting the rear to a position level with the front.
- If larger tires (10% more than the stock diameter) are installed, speedometer recalibration will be necessary. Contact your local Jeep 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 #: JK2500

| Item #    | Description                 | Qty | Item #    | Description                | Qty |
|-----------|-----------------------------|-----|-----------|----------------------------|-----|
| JK24RTB-B | JK 2-4" REAR TRACK BAR BRKT | 1   | HB-JK2500 | HDWR BAG: JK 2-2.5" LIFT   | 1   |
| JK25RBS-S | JK 2-2.5" REAR BMP STP BRKT | 2   | I-JK2500  | INST SHEET: 2-2.5" JEEP JK | 1   |

## Hardware Bag Breakdown:

### Part # HB-JK2500

| Item #    | Description                  | Qty | Item #     | Description                   | Qty |
|-----------|------------------------------|-----|------------|-------------------------------|-----|
| 38X234BHB | 3/8 X 2 3/4 BUTTON HEAD BOLT | 2   | 716X1FTB   | 7/16 X 1 FINE TRHEAD BOLT     | 1   |
| 38SAEW    | 3/8 SAE WASHER               | 2   | 716SAEW    | 7/16 SAE WASHER               | 1   |
| 38CTN     | 3/8 COARSE N/I LOCK NUT      | 2   | 716FTN     | 7/16 FINE N/I LOCK NUT        | 1   |
| 516X1FTB  | 5/16 X 1 FINE THREAD BOLT    | 4   | 916X3FTB   | 9/16 X 3 FINE THREAD BOLT     | 1   |
| 516SAEW   | 5/16 SAE WASHER              | 8   | 916SAEW    | 9/16 SAE WASHER               | 3   |
| 516FTN    | 5/16 FINE N/I LOCK NUT       | 4   | 916FTN     | 9/16 FINE N/I LOCK NUT        | 2   |
| 12X114FTB | 1/2 X 1 1/4 FINE THREAD BOLT | 1   | CS1625     | CRUSH SLEEVE JKRTB            | 1   |
| 12SAEW    | 1/2 SAE WASHER               | 1   | BPS20-B    | BUMP STOP SPACER BLK, 2"      | 2   |
| 12FTN     | 1/2 FINE N/I LOCK NUT        | 1   | 916X312FTB | 9/16 X 3 1/2 FINE THREAD BOLT | 1   |

## Front Installation:

1. With the vehicle on flat level ground, set the emergency brake, & block the rear tires / wheels.
2. Raise the front of the vehicle & support the frame rails using jack stands.
3. Remove the front tires / wheels.
4. Disconnect the OEM front sway bar end links using a 18mm socket.
5. Disconnect the OEM front track bar from the axle using a 21mm socket. (See Photo # 1)
6. If installing a new Skyjacker Steering Stabilizer (Part # 7003), remove the OEM steering stabilizer using a 18mm socket. (See Photo # 2)
7. Remove the OEM front shocks using a 18mm socket.
8. Lower the differential & remove the OEM front coil springs. (See Photo # 3)



Photo # 1



Photo # 2



Photo # 3

9. Place the new Skyjacker bump stop spacers on the center of the OEM bump stop pad located on the front axle. Mark & drill using a 25/64" drill bit. (See Photo # 4)
10. Install the new bump stop spacers & new Skyjacker front coil springs. Attach the new bump stop spacers to the axle using the supplied 3/8" x 2 3/4" button head bolts, washers, & nuts. (See Photo # 5)
11. Raise the differential in order to load the new front coil springs & attach the OEM front track bar to the axle using the OEM hardware.
12. Attach the OEM front sway bar end links using the OEM hardware.
13. If installing a new Skyjacker steering stabilizer (Part # 7003), install it at this time. (See Photo # 6)
14. Install the new Skyjacker front shocks using the supplied hardware. (See Photo # 7)
15. Install the front tires / wheels & lower the vehicle to the ground.



**Photo # 4**



**Photo # 5**

## **Rear Installation:**

16. Block the front tires / wheels, raise the rear of the vehicle, & properly support the frame rails using jack stands.



**Photo # 6**

17. Remove the rear tires / wheels.

18. Remove the OEM rear shocks using a 16mm socket. (See Photo # 8)



**Photo # 7**



**Photo # 8**

19. Disconnect the OEM rear track bar from the axle using a 21mm socket. (See Photo # 9)



**Photo # 9**

20. Disconnect the OEM rear sway bar end links using a 18mm socket.

21. Disconnect the OEM ABS line & brake line from the frame. (See Photo # 10)

22. Lower the differential & remove the OEM rear coil springs.

23. Place the new Skyjacker rear track bar bracket over the OEM track bar bracket on the axle. With the new track bar bracket seated flush, clamp the new track bar bracket in place, mark with a center punch, & drill the new center mounting holes using a 15/32" drill bit. (See Photo # 11)

24. Install the new track bar bracket using the supplied 7/16" x 1" fine thread bolt, washer, & nut. (See Photo # 12)

25. It will be necessary to drill through the driver side bottom of the OEM track bar bracket & through the new track bar bracket. Drill using a 17/32" drill bit. Once drilled, install the supplied 1/2" x 1 1/4" fine thread bolt, washer, & nut. Install the supplied 9/16" x 3 1/2" bolt, washers, & nut at the bottom location being sure to use the supplied crush sleeve. (See Arrow in Photo # 13)

26. Install the new Skyjacker rear coil springs. **Note:** Be sure to re-use the OEM upper rubber isolator pads.

27. Attach the new Skyjacker rear bump stop spacers to the OEM location on the axle using the supplied 5/16" x 1" fine thread bolts, washers, & nuts. (See Photo # 14) **Note:** Be sure to install the new bump stop spacers so the angled end is towards the rear of the vehicle.

28. Raise the differential in order to load the new rear coil springs & attach the OEM rear track bar to the lower mounting hole of the new rear track bar bracket using the supplied 9/16" x 3" fine thread bolt, washer, & nut.

29. Attach the OEM rear sway bar end links using the OEM hardware.

30. Attach the OEM ABS line & brake line to the frame using the OEM hardware.



31. Install the new Skyjacker rear shocks using the supplied hardware.  
(See Photo # 15)

32. Install the rear tires / wheels & lower 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 below 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 realign the vehicle to the OEM specifications.
- Retorque all the bolts after the first 100 miles.



**Photo # 15**

| <b><u>TORQUE SPECIFICATIONS</u></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 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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