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# 1997- 2006 Jeep TJ Wrangler 2.5" - 3" Suspension Lift Installation Instructions

### REQUIRED TOOL LIST:

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Drill / 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:

- If larger tires (10% more than the OEM 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 #: TJ250 / TJ25BPH / TJ30BPH

| Item # | Description  | Qty | Item #   | Description   | Qty |
|--------|--|-----|----------|---|-----|
| TJ25FS | 2.5" TJ FRONT COIL SPRING<br>(Included With TJ25BPH) | 2   | H7016    | FRONT HYDRO SHK / RED BOOT<br>(Included With TJ25BPH & TJ30BPH) | 2   |
| TJ25RS | 2.5" TJ REAR COIL SPRING<br>(Included With TJ25BPH)  | 2   | H7018    | REAR HYDRO SHK / RED BOOT<br>(Included With TJ25BPH & TJ30BPH)  | 2   |
| TJ30FS | 3" TJ FRONT COIL SPRING<br>(Included With TJ30BPH)   | 2   | CAM500   | CAM BOLT / UPPER REAR   | 1   |
| TJ30RS | 3" TJ REAR COIL SPRING<br>(Included With TJ30BPH)    | 2   | TJRTB-B  | REAR TRACK BAR BRACKET  | 1   |
|        |  |     | HB-TJ25  | HDWR BAG: HB-TJ25   | 1   |
|        |  |     | I-TJ2530 | INST SHT: TJ250 / TJ25/30BPH                                    | 1   |

## Hardware Bag Breakdown:

### Part # HB-TJ25

| Item #     | Description                  | Qty | Item #  | Description              | Qty |
|------------|------------------------------|-----|---------|--------------------------|-----|
| 10MMX70MMB | 10MM X 70MM METRIC BOLT      | 4   | 12FTN   | 1/2 FINE THREAD LOCK NUT | 1   |
| 12X70MMB   | 12MM X 70MM METRIC BOLT      | 1   | 12SAEW  | 1/2 SAE WASHER           | 3   |
| 12MMN      | 12MM METRIC NUT              | 1   | BPS20-B | BUMP STOP SPACER         | 4   |
| 12X112FTB  | 1/2 X 1 1/2 FINE THREAD BOLT | 1   | SSTJRTB | CRUSH SLEEVE             | 1   |

## Front Installation:

1. Park the vehicle on a level concrete or asphalt surface, set the emergency brake & block the rear tires / wheels.
2. Raise the front of the vehicle & support securely using jack stands.
3. Remove the front tires / wheels & OEM front shocks.
4. Disconnect the OEM front track bar from the passenger side axle bracket. (See Photo # 1)
5. Disconnect the OEM drag link assembly from the OEM pitman arm.
6. Disconnect the OEM sway bar end links from the axle brackets. (See Photo # 2)
7. While supporting the front axle, lower the front axle until the OEM front coil springs become loose & remove the OEM bottom bolt & clip from the left front OEM coil spring. (See Photo # 3)

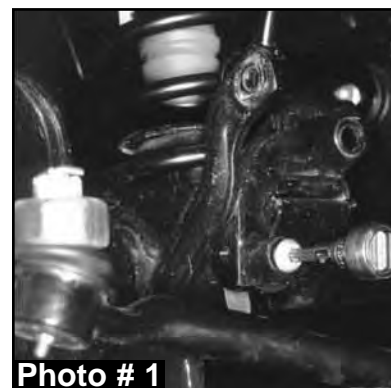


Photo # 1



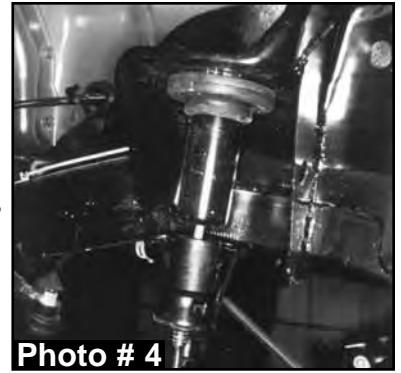
Photo # 2



Photo # 3

8. Remove the OEM front coil springs & OEM upper bump stops. **Note:** Use channel lock pliers working the OEM bump stop back & forth to remove.

9. Remove the OEM 10mm bolt from inside the OEM bump stop cups. Install the new Skyjacker bump stop spacers & OEM bump stop cups using the supplied 10mm x 70mm bolts. Reinstall the OEM bump stops in the OEM bump stop cups. (See Photo # 4)



10. Install the new Skyjacker front coil springs & raise the front axle until enough load is applied to hold the new front coil springs in place. Reinstall the OEM spring bolt & clip at the bottom of the left front coil spring.

11. Install the new Skyjacker front shocks using the supplied hardware & OEM hardware. (See Photo # 5)



12. Attach the OEM drag link to the OEM pitman arm using the OEM hardware.

13. Attach the OEM sway bar end links to the the axle brackets using the OEM hardware.

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

## **Rear Installation:**

15. Block the front tires / wheels, raise the rear of the vehicle, & support securely using jack stands.

16. Remove the rear tires / wheels & OEM rear shocks.



17. Disconnect the OEM rear track bar & OEM sway bar end links from the rear axle.

18. While supporting the rear axle, lower the rear axle until the OEM rear coil springs become loose & remove the OEM rear coil springs & the OEM upper bump stops. **Note:** Use channel lock pliers working the OEM bump stop back & forth to remove.

19. Remove the OEM 10mm bolt from inside the OEM bump stop cups. Install the new bump stop spacers & OEM bump stop cups using the supplied 10mm x 70mm bolts. Reinstall the OEM bump stops in the OEM bump stop cups. (See Photo # 6)

20. Install the new Skyjacker rear track bar bracket over the OEM rear track bar bracket & place the OEM rear track bar in the new rear track bar bracket. Install the supplied 12mm x 70mm bolt through the OEM lower track bar location using the supplied spacer sleeve, 12mm nut & tighten the bolt to hold the new rear track bar bracket in place. (See Photo # 7)



21. Drill a 1/2" hole through the hole in the end of the new Skyjacker rear track bar bracket. Remove the 12mm x 70mm bolt (installed before drilling) & install the supplied 1/2" x 1 1/2" bolt, with a washer on each side, through the newly drilled hole & tighten the 1/2" nut. Reinstall the supplied 12mm x 70mm bolt through the OEM rear track bar location using the supplied crush sleeve & 12mm nut. **Note:** Do not tighten at this time. (See Arrow in Photo # 8)



22. Install the new Skyjacker rear coil springs. Raise the rear axle until enough load is applied to hold the new rear coil springs in place.

23. Attach the OEM rear track bar to the new Skyjacker rear track bar bracket using the OEM hardware. **Note:** Do not tighten at this time.

24. Attach the OEM sway bar end links to the rear axle using the OEM hardware.

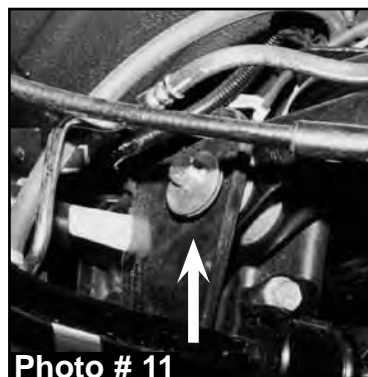
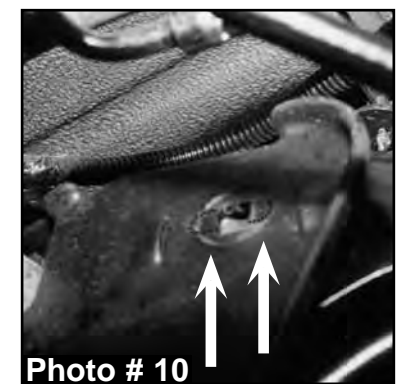
25. Install the new Skyjacker rear shocks using the supplied hardware & OEM hardware. (See Photo # 9)



26. One side at a time, disconnect the OEM rear upper link from the rear axle. **Note:** The OEM hole is notched so it can become a slotted hole. Knock out the notches on the front & rear half of the OEM hole of the rear upper link mount. (See Arrows in Photo # 10)

27. Attach the OEM rear upper link to the rear axle using the supplied cam bolt, eccentric washers, & nut. **Note:** Do not tighten at this time. (See Photo # 11) Repeat Step # 26 & # 27 for the opposite side.

28. Install the rear tires / wheels & lower the rear of the vehicle to the ground.



- 29. Tighten the new Skyjacker rear track bar bracket hardware & OEM rear track bar hardware.
- 30. Tighten the new Skyjacker rear upper link cam bolts. **Note:** These new cam bolts can be rotated to adjust the rear axle pinion angle to eliminate any driveline vibration.

**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 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.
- After the first 100 miles, check all hardware for the proper torque & periodically thereafter.

| <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 FT LB      | 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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