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# 1987-1996 Jeep Wrangler YJ 2.5" - 4" Suspension Lift Installation Instructions

## REQUIRED TOOL 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:

- 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 #: YJ21BH (2.5" Lift)

Item #	Description	Qty
H7056	HYDRO SHOCK W/RED BOOT	2
H7023	HYDRO SHOCK W/RED BOOT	2

Item #	Description	Qty
YJ20SP	COM BOX: 2.5" 87-95 JEEP YJ	1

### Part #: YJ20SP (2.5" Lift)

Item #	Description	Qty
12X212X534U	1/2 X 2 1/2 X 5 3/4 U-BOLT	2
12X318X612U	1/2 X 3 1/8 X 6 1/2 U-BOLT	2
12X212X614U	1/2 X 2 1/2 X 6 1/4 U-BOLT	4

Item #	Description	Qty
HB-YJ20	HDWR BAG: 2.5" 87-95 JEEP YJ	1
I-YJSP	INST SHT: 2.5"- 4" 87-95 JEEP YJ	1

## Hardware Bag Breakdown:

### Part # HB-YJ20 (2.5" Lift)

Item #	Description	Qty
12FTN	1/2 FINE LOCK NUT	16
SP2027	LEAF SPRING BUSHING	8
SP2089	LEAF SPRING BUSHING	8

Item #	Description	Qty
SSJEEPYJ	LEAF SPRING BUSHING SLEEVE	4
SSJEEP76	LEAF SPRING BUSHING SLEEVE	4

## Component Box Breakdown:

### Part #: YJ41BH (4" Lift)

Item #	Description	Qty
H7059	HYDRO SHOCK W/RED BOOT	2
H7088	HYDRO SHOCK W/RED BOOT	2
YJ40SP	COM BOX: 4" 87-95 JEEP YJ	1

Item #	Description	Qty
TCLS1025	T/CASE LOWERING SPACERS	1
SBE607	FRONT SWAY BAR END LINKS	1

### Part #: YJ40SP (4" Lift)

Item #	Description	Qty
12X318X612U	1/2 X 3 1/8 X 6 1/2 U-BOLT	2
12X212X614U	1/2 X 2 1/2 X 6 1/4 U-BOLT	6
JB40F-B	FRONT TRACK BAR EXT BRKT	1

Item #	Description	Qty
JB40-B	REAR TRACK BAR EXT BRKT	1
HB-YJ40	HDWR BAG: 4" 87-95 JEEP YJ	1
IYJ	INST SHT: 2.5"- 4" 87-95 JEEP YJ	1

### Part #: TCLS1025 (4" Lift)

Item #	Description	Qty
TCLS10-B	T/CASE LOWERING SPACER, 1"	6

Item #	Description	Qty
12X212FSB	1/2 X 2 1/2 FLAT SOCKET BOLT	6

### Part #: SBE607 (4" Lift)

Item #	Description	Qty
SBE607-L	FRONT SWAY BAR END LINK	2

Item #	Description	Qty
EB1	HOURGLASS 5/8 BUSHING	4

## Hardware Bag Breakdown:

### Part # HB-YJ40 (4" Lift)

Item #	Description	Qty	Item #	Description	Qty
12X3FTB	1/2 X 3 FINE THREAD BOLT	1	12USSW	1/2 USS WASHER	2
38X112FTB	3/8 X 1 1/2 FINE THREAD BOLT	1	12SAEW	1/2 SAE WASHER	1
12X50MMB	12MM X 50MM METRIC BOLT	1	38SAEW	3/8 SAE WASHER	1
12X70MMB	12MM X 70MM METRIC BOLT	1	SP2027	LEAF SPRING BUSHING	8
141509	ES25 SLEEVE, 1.5" LONG	1	SP2089	LEAF SPRING BUSHING	8
12FTN	1/2 FINE LOCK NUT	17	SSJEEPYJ	LEAF SPRING BUSHING SLEEVE	4
38FTN	3/8 FINE LOCK NUT	1	SSJEEP76	LEAF SPRING BUSHING SLEEVE	4
12MMN	12 MM METRIC NUT	2			

## Front Installation:

1. Apply a thin coat of lithium-based grease around the new Skyjacker polyurethane bushings / sleeves & insert into each eye of the new Skyjacker front & rear leaf springs.
2. With the vehicle on a level concrete or asphalt surface, set the emergency brake, & block the rear tires / wheels.
3. Raise the front of the vehicle & support securely with jack stands.
4. Remove the front tires / wheels, OEM front shocks, & OEM u-bolts. **Note:** Once the OEM u-bolts are removed, the front axle will be free to move so support securely with a floor jack.
5. Remove the OEM front leaf springs & install the new Skyjacker front leaf springs with the small eyelet toward the front of the vehicle using the OEM hardware. **Note:** Do not tighten the front leaf spring / shackle bolts at this time. When leaf springs are tightened with no load being applied, a false lift & stiff ride will result. These bolts will be tightened once the vehicle is placed on the ground.
6. While supporting the front axle with a floor jack, lower the front axle to the new Skyjacker front leaf springs & install the new Skyjacker u-bolts. **Note:** Be certain the tie bolt heads align & fit into the holes in the axle housing.
7. Install the new Skyjacker front shocks using the OEM hardware.
8. **4" Lift:** Remove the OEM front sway bar end links & install the new Skyjacker front sway bar end links using the OEM hardware.
9. Install the front tires / wheels, lower the front of the vehicle to the ground, & tighten the front leaf spring / shackle bolts.

**2.5" Lift:** Proceed to Step # 12.

10. **4" Lift:** Disconnect the OEM front track bar from the OEM bracket on the axle & install the new Skyjacker front track bar bracket using the supplied 12mm x 50mm bolt & nut. (See Photo # 1)
11. Connect the OEM front track bar to the new Skyjacker front track bar bracket using the supplied 12mm x 70mm bolt, washers, & nut. (See Photo # 1)



## **Rear Installation:**

12. Block the front tires / wheels, raise the rear of the vehicle, & support securely with jack stands.
13. Remove the rear tires / wheels, OEM rear shocks, & OEM u-bolts. **Note:** Once the OEM u-bolts are removed, the rear axle will be free to move so support securely with a floor jack.
14. Remove the OEM rear leaf springs & install the new Skyjacker rear leaf springs with the small eyelet toward the rear of the vehicle using the OEM hardware. **Note:** Do not tighten the rear leaf spring / shackle bolts at this time. When leaf springs are tightened with no load being applied, a false lift & stiff ride will result. These bolts will be tightened once the vehicle is placed on the ground.
15. While supporting the rear axle with a floor jack, lower the rear axle to the new Skyjacker rear leaf springs & install the new Skyjacker u-bolts. **Note:** Be certain the tie bolt heads align & fit into the holes in the axle housing.
16. Install the new Skyjacker rear shocks using the OEM hardware.
17. Install the rear tires / wheels, lower the rear of the vehicle to the ground, & tighten the rear leaf spring / shackle bolts.

**2.5" Lift:** Proceed to Final Notes.

18. **4" Lift:** Disconnect the OEM rear track bar from the OEM bracket on the axle. With the slotted holes at the top, install the new Skyjacker rear track bar bracket using the supplied crush sleeve, 1/2" x 3" bolt, washer, & nut. (See Photo # 2)



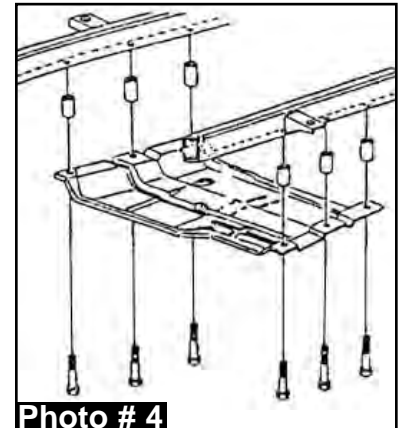
19. Drill a 3/8" hole through the hole in the end of the new Skyjacker rear track bar bracket & install the supplied 3/8" x 1" bolt, washer, & nut through the side of the new & OEM rear track bar bracket. (See Photo # 3)

20. Connect the OEM rear track bar to the new Skyjacker rear track bar bracket using the OEM hardware. (See Photo # 3)

21. Support the OEM transfer case skid plate with a floor jack & remove the three bolts on each side of the transfer case skid plate. Slightly lower the OEM skid plate & install the new Skyjacker round transfer case lowering spacers between the OEM skid plate & the frame using the supplied 1/2" x 2 1/2" flat socket head tapered bolts. (See Photo # 4)



Photo # 3



**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 realign the vehicle to the OEM specifications.
- Retorque all the bolts after the first 100 miles.

TORQUE SPECIFICATIONS					
INCH SYSTEM			METRIC SYSTEM		
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 8.8	Class 10.9
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 FTLB	18MM	170 FT LB	240 FT LB

\*The above specifications are not to be used when 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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