



# Jeep Full-Size Cherokee, Wagoneer, & Pickup 3.5" - 4" Suspension Lift Installation Instructions

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Hammer
- Center Punch
- Drill / 3/8" Drill Bit
- 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.

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:

- 1974 - 1975 Models **must** have a 131" wheel base & a 7,200 lb GVWR or greater in order for the new Skyjacker rear leaf springs to fit.
- After installation, a qualified alignment facility is required to align the vehicle to the OEM specifications.

## Component Box Breakdown:

### JP40

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X314X1112U	9/16 X 3 1/4 X 11 1/2 U-BOLT	4
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	2
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT	2
RB35	3.5" REAR BLOCK	2
HB-JP40	HARDWARE BAG FOR JP40 KITS	1

Kit Box JP40S will not include new rear lift blocks & the Rear U-Bolts will be Part # 916X3X712U

### JP45

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X314X1112U	9/16 X 3 1/4 X 11 1/2 U-BOLT	4
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	2
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT	2
RB35	3.5" REAR BLOCK	2
SBE506	SWAY BAR END LINKS	1
JB40	TRACK BAR EXT BRACKET FRONT/REAR	2
HB-JP40	HARDWARE BAG FOR JP40 KITS	1

Kit Box JP45S will not include new rear lift blocks & the Rear U-Bolts will be Part # 916X3X712U

## Hardware Bag Breakdown:

### HB-JP40

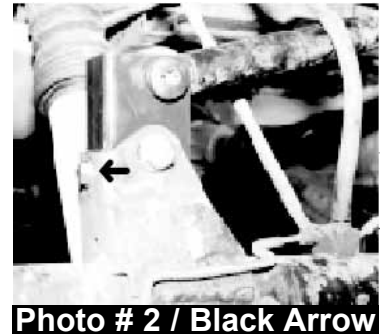
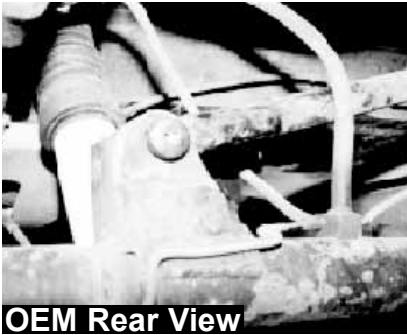
<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916FTN	9/16-18 NYLON INSERT LOCKNUT	16
SP2013	FRONT JEEP P/U SPRING BUSHING	4
SP2014	REAR JEEP P/U SPRING BUSHING	4
SSJEEPPFU	SPRING SLEEVE JEEP FRONT EYE	2
SSJEEPRPU	SPRG SLEEVE JEEP REAR EYE	2

## Front Installation:

1. Open the hardware bag & apply a thin coat of lithium-based grease around the new Skyjacker polyurethane bushings & insert into each eye of the new Skyjacker front springs then apply a thin coat of lithium-based grease to the outside of the new Skyjacker polyurethane bushings. Insert the new Skyjacker metal sleeves into the front leaf spring eyes.
2. Raise the front of the vehicle & support securely using jack stands under the frame behind the OEM front leaf springs & block the rear tires/wheels. Remove the tires/wheels, shocks, u-bolts.  
**Note:** Once the OEM u-bolts are removed, the front axle will be free to move, so support securely using a floor jack. If a drop pitman arm was purchased (Required for 3"- 4" lifts / Part # JA350), disconnect the OEM tie rod from the OEM pitman arm & install the new Skyjacker pitman arm using the supplied instructions.

**Note:** 1984-1991 Grand Wagoneer Models are equipped with a front & rear track bar.

3. Disconnect the OEM track bar from the bracket on the axle. Place the new Skyjacker track bar extension bracket into the OEM bracket on the axle with the slotted holes toward the top. Place the supplied 1/2" x 1 1/2" spacer tube inside the bracket (to prevent crushing, See Photo # 1 / White Arrow) & install the supplied 1/2" x 3" bolt & washer through the OEM & new bracket & tighten securely using the supplied 1/2" nut. Insert the OEM track bar into the new bracket & install using the OEM hardware. **Note:** Do not fully tighten. Mark, center punch, & drill a 3/8" hole & install the supplied 3/8" x 1" bolt, washer, & nut through the side of the OEM & new track bar bracket. (See Photo # 2 / Black Arrow) Tighten all the track bar hardware at this time.



4. Unbolt each end of the OEM front leaf springs & remove both front leaf springs from the vehicle. Install the new Skyjacker front leaf springs with the long end toward the front of the vehicle. **Note:** It is important to **NOT** tighten the leaf spring & shackle bolts at this time. If the new Skyjacker leaf springs are tightened with no load being applied on the new leaf springs, a false lift & stiff ride will result. The leaf spring & shackle bolts will be fully tightened later once the vehicle is on the ground.
5. While still supporting the front axle with the floor jack, lower the axle to the new front leaf springs. **Note:** Be sure the tie bolt heads align & fit into the holes in the axle housing. Install the new Skyjacker u-bolts & tighten using the supplied 9/16" nuts. If installing on a Grand Cherokee, install the new Skyjacker front sway bar extended end links at this time.
6. Install the new Skyjacker front shocks & front tires/wheels & lower the front of the vehicle to the ground. Tighten the front shackle bolts to 30 ft.lbs. & the front leaf spring eye bolts to 50 ft.lbs.

## **Rear Installation:**

7. Raise the rear of the vehicle & support securely using jack stands under the frame & block the front tires/wheels. Remove the rear tires/wheels & OEM shock absorbers. If installing on a Grand Cherokee, install the new Skyjacker rear track bar bracket same as front. (See Photo # 1 & # 2)
8. Remove the OEM u-bolts & lower the axle. **Note:** Once the OEM u-bolts are removed, the rear axle will be free to move, so support securely using a floor jack.

9. **Rear Block Installation:** Place the new Skyjacker rear lift blocks with the tallest end toward the rear of the vehicle between the OEM rear leaf springs & axle housing. Raise the axle being sure the block pins are aligned with the axle housing & the tie bolt heads are aligned with the new rear lift blocks. Install the new Skyjacker u-bolts included & tighten them to 80 ft.lbs using the supplied 9/16" nuts. Install the new Skyjacker rear shock absorbers, rear tires/ wheels, remove the jack stands, & lower the vehicle to the ground. Rear block installation is complete, proceed to Final Notes.
  
10. **Rear Leaf Spring Installation: Important Note:** 1974 - 1975 Models **must** have a 131" wheel base & a 7,200 lb GVWR or greater in order for the new Skyjacker rear leaf springs to fit. Remove the OEM rear leaf springs from the vehicle. Install the new Skyjacker rear leaf springs with the long end & the thick end of the bottom wedge toward the rear of the vehicle. **Note:** It is important to **NOT** tighten the leaf spring & shackle bolts at this time. If the new Skyjacker leaf springs are tightened with no load being applied on the new leaf springs, a false lift & stiff ride will result. The leaf spring & shackle bolts will be fully tightened later once the vehicle is on the ground.
  
11. While still supporting the rear axle with the floor jack, raise the axle to the new rear leaf springs. **Note:** Be sure the tie bolt heads align & fit into the holes in the axle housing. Install the new Skyjacker u-bolts & tighten using the supplied 9/16" nuts.
  
12. Install the new Skyjacker rear shocks, rear tires/wheels, & lower the rear of the vehicle to the ground. Tighten the rear shackle bolts to 30 ft.lbs. & the rear leaf spring eye bolts to 50 ft.lbs.

### **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 hardware for the proper torque & periodically thereafter.

## TORQUE SPECIFICATIONS

<u>INCH SYSTEM</u>			<u>METRIC SYSTEM</u>		
<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.**