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# Jeep Wrangler JK 2.5" Suspension Lift Installation Instructions

### Required Tools List:

- Standard / Metric Wrenches and Sockets
- Floor Jack
- Jack Stands
- Assorted Drill Bits




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Before beginning the installation, read these instructions and the enclosed driver's WARNING NOTICE thoroughly and completely. Also affix the WARNING decal in passenger compartment in clear view of all occupants. If any of these items are missing from this instruction packet, do not proceed with installation, but call SKYJACKER® to obtain needed items. If you have any questions or reservations about installing this lift kit, call SKYJACKER® at 318-388-0816 for Technical Assistance or Customer Service departments.

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

Driver Side Front:

\_\_\_\_\_

\_\_\_\_\_

Passenger Side Front:

\_\_\_\_\_

\_\_\_\_\_

Driver Side Rear:

Passenger Side Rear:

### IMPORTANT NOTES:

- Please refer to Parts List to insure that all parts and hardware are received prior to disassembly of vehicle. If any parts are found to be missing, contact your dealer as soon as possible.
- After installation of Suspension Lift, A qualified alignment facility is required to re-align the vehicle to factory settings.

## Kit Box Breakdown:

### **JK2500:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
BPS20-B	BUMP STOP SPACER, 2"	2
JK24RTB-B	JK 2-4" REAR TRACK BAR RELOCATION BRKT	1
JK25RBS-S	JK 2.5" REAR BUMP STOP BRACKET	2
HB-JK2500	HDWR BAG/JK 2.5" LIFT	1

### **Hardware Bag Breakdown:**

#### **HB-JK2500**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
38X234BHB	3/8 X 2 3/4" BUTTON HEAD BOLT	2
38SAEW	3/8 SAE WASHER	2
38CTN	3/8" COARSE THRD N/I LOCKNUT	2
516X1FTB	5/16 X 1 FINE THREAD BOLT	4
516SAEW	5/16 SAE WASHER	8
516FTN	5/16" FINE THRD N/I LOCKNUT	4
12X114FTB	1/2 X 1 1/4 FINE THD BOLT	1
12SAEW	1/2 SAE WASHER	1
12FTN	1/2-20 FINE N/I LOCK NUT	1
716X1FTB	7/16 X 1 BOLT,FINE THREAD GRD8	1
716SAEW	7/16 SAE WASHER	1
716FTN	7/16-20 FINE N/I LOCK NUT	1
916X3FTB	9/16 X 3 FINE THREAD BOLT	1
916SAEW	9/16 SAE WASHERS	1
916FTN	9/16-18 NYLON INSERT LOCKNUT	1
CS1594	CRUSH SLEEVE JKRTB	1

## Installation:

1. Park the vehicle on flat, level ground and set emergency brake.
2. Raise the front of the vehicle and support frame rails using jack stands.
3. Disconnect the front sway bar end links using a 18mm socket.  
Disconnect front track bar using a 21mm socket. (See Photo #1)
4. If installing Skyjacker Steering Stabilizer Part# 7003, Remove factory steering stabilizer using 18mm socket. (See Photo #2)
5. Disconnect front shocks using a 18mm socket. Remove front tires/wheels and remove front coils. (See Photo #3) Remove front Shocks.
6. Locate new Skyjacker front bump stop. Place bump stop on the center of the bump stop pad located on the front axle. Mark and drill using a 25/64" drill bit. (See Photo #4).
7. Place bump stop in coil spring, and install coil spring. Attach bump stop to axle using the 3/8 x 2 3/4" button head bolts with one washer under the 3/8" nut. (See Photo #5)
8. Let the weight of the frame down on to the new coils. Re-Attach front drive shaft, end links, track bar, etc.
9. If installing Skyjacker Steering Stabilizer Part # 7003, install at this time. (See Photo Below).
10. Install new Front Skyjacker shocks using hardware supplied. (See Photo #6). Install tires/wheels.



Photo #1



Photo #2



Photo #3



Photo #4

I-JK2500

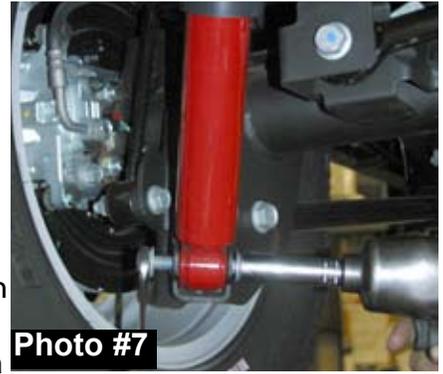


Photo #5

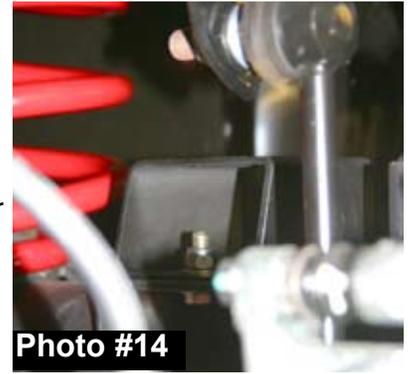


Photo #6

11. Raise rear end and properly support frame rails using jack stands. Remove rear shocks using 16mm socket. (See Photo #7)
12. Disconnect rear track bar bracket from the axle using 21mm socket. (See Photo #8). Disconnect rear sway bar end links using 18mm socket.
13. Disconnect ABS line from frame and disconnect brake line from frame. (See Photo #9) Lower axle down and remove factory rear coils.
14. Place Skyjacker rear Track Bar relocation bracket over factory bracket on the axle. With bracket seated flush, clamp the bracket in place, mark using a center punch, and drill the new center mounting holes using a 15/32" drill bit. (See Photo 10)
15. Install the supplied 7/16 x 1" fine thread bolt and fine thread nyloc nut. Use one 7/16" washer under the nut. (See Photo #11). Tighten nut at this time.
16. It will be necessary to drill through the driver side bottom of the OEM bracket and through the Skyjacker bracket. Drill using a 17/32" drill bit. Once drilled, install the supplied 1/2" x 1 1/4" fine thread bolt and nyloc nut. Use one washer under the bolt. Install factory bolt and nut at the bottom location being sure to use the supplied crush sleeve. (See Arrow in Photo #12)
17. Install new Skyjacker Softride® rear coils. (See Photo #13). Be sure to reuse the upper OE Rubber isolator pad.



18. Attach new rear bump stops to the factory location on the axle using the 5/16 x 1" fine thread bolts, washers and nuts supplied. (See Photo #14) Be sure to install the bump stop so that the angled end is towards the rear.
19. Let weight on coil springs and re-attach sway bar end links, brake line and ABS lines. Attach factory track bar to the new bracket in the lower mounting hole in the new bracket. Upper hole is used on 4" kits. Attach using the 9/16 x 3" fine thread bolt, washer and nut. Washer will be used under the nut.
20. Install new Skyjacker rear shocks. (See Photo #15)
21. Install tires/wheels and lower vehicle to the ground.



#### FINAL NOTES:

- \* After installation is complete, double check that all nuts and bolts are tight.
- \* Check to ensure there is adequate clearance between All rotating, mobile and fixed members. Check clearance between inner side wall of tires.
- \* Ensure there is adequate clearance between exhaust and brake lines, fuel lines, fuel tank, floor board, and wiring harnesses. Check steering gear for interference and proper working order. Inspect brake lines for damage and adequate clearance. Test brake system.
- \* With the vehicle on the floor, cycle steering lock to lock and inspect steering, suspension, drive line and brake line systems for proper operation, tightness and adequate clearance.
- \* Have headlights readjusted to proper settings.
- \* Front end realignment is necessary so have a qualified alignment center realign front end to factory specifications.



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