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2007- 2018 Jeep Wrangler JK Leveling Kit Installation Instructions

REQUIRED TOOLS LIST:

- Safety Glasses
- Metric / Standard Sockets & Wrenches
- 7/32" Hex Key
- Floor Jack
- Jack Stands
- Drill / 25/64" Drill Bit
- Measuring Tape
- Torque Wrench



Before beginning the installation, thoroughly & completely read these instructions. 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.
- Once the installation of this leveling kit is completed, the drag link must be adjusted to center the steering wheel before the vehicle is driven. Failure to do so will cause computer errors, odd handling characteristics, & poor performance.
- After installation, a qualified alignment facility is required to realign the vehicle to the OEM specifications.

Component Box Breakdown:

Part #: JK23

Item #	Description	Qty	Item #	Description	Qty
JK2FP-S	1.75" FRONT POLY SPACER	2	HB-JK23	HARDWARE BAG: JK23	1
JKRPS75-S	.75" REAR POLY SPACER	2	I-JK23	INSTRUCTION SHEET: JK23	1

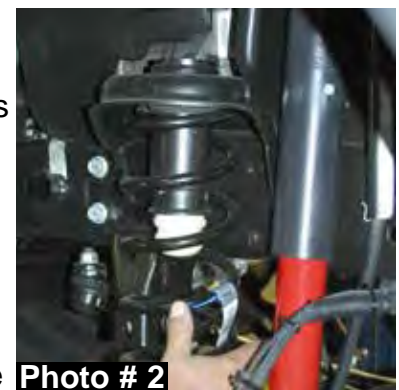
Hardware Bag Breakdown:

Part # HB-JK23

Item #	Description	Qty	Item #	Description	Qty
BSS3010-S	1" BUMP STOP SPACER	2	38CTN	3/8 COARSE THREAD LOCK NUT	2
38X134BHB	3/8 X 1 3/4 BUTTON HEAD BOLT	2	38SAEW	3/8 SAE WASHER	2

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, & remove the front tires / wheels.
3. Disconnect the OEM front shocks from the OEM front lower shock mounts using a 18mm socket / wrench.
4. Disconnect the OEM front track bar from the front axle bracket using a 21mm socket / wrench. (See Photo # 1)
5. Disconnect the OEM front sway bar end links from the front axle brackets using a 18mm socket / wrench.
6. Disconnect the OEM front ABS / brake lines from the frame using a 10mm socket / wrench.
7. While checking for appropriate slack in the ABS lines, brake lines, differential breather hose, & etc. Lower the front differential & remove the OEM front coil springs. (See Photo # 2)
8. Place the new Skyjacker front bump stop spacers on the center of the OEM bump stop pads located on the front axle. Mark, center punch, & drill using a 25/64" drill bit. (See Photo # 3)



9. Install the new Skyjacker front bump stop spacers to each front axle pad using the supplied 3/8" x 1 3/4" button head bolts, washers, nuts, a 7/32" hex key, & a 9/16" socket / wrench . (See Photo # 4)
10. Install the new Skyjacker front coil spring spacers above each OEM front coil spring isolator.
11. Install the OEM front coil springs & raise the front differential in order to load the OEM front coil springs.
12. Attach the OEM front shocks to the OEM front lower shock mounts using the OEM hardware & a 18mm socket / wrench.
13. Attach the OEM front sway bar end links to the the front axle brackets using the OEM hardware & a 18mm socket / wrench.
14. Attach the OEM front track bar to the front axle bracket using the OEM hardware. (See Photo # 1) **Note:** Do not tighten at this time.
15. Attach the OEM front ABS / brake lines to the frame using the OEM hardware & a 10mm socket / wrench.
16. Install the front tires / wheels & lower the front of the vehicle to the ground.
17. Tighten the OEM front track bar hardware at the front axle bracket using a 21mm socket / wrench.



Photo # 4



Photo # 5



Photo # 6

Rear Installation:

18. Block the front tires / wheels, raise the rear of the vehicle, support securely using jack stands, & remove the rear tires / wheels.
19. Disconnect the OEM rear shocks from the OEM rear lower shock mounts using a 18mm socket / wrench. (See Photo # 5)
20. Disconnect the OEM rear track bar from the rear axle bracket using a 21mm socket / wrench. (See Photo # 6)
21. Disconnect the OEM rear sway bar end links from the rear axle brackets using a 18mm socket / wrench.
22. Disconnect the OEM rear ABS / brake lines from the frame using a 10mm socket / wrench. (See Photo # 7)
23. While checking for appropriate slack in the ABS lines, brake lines, differential breather hose, & etc. Lower the rear differential & remove the OEM rear coil springs.

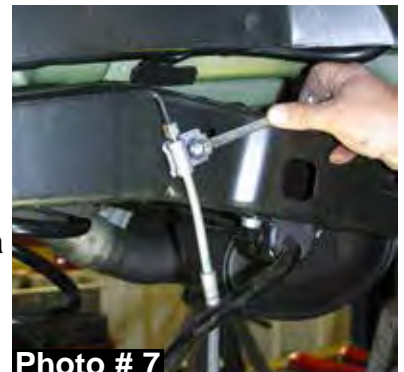


Photo # 7

24. Install the new Skyjacker rear coil spring spacers above each OEM rear coil spring isolator.
25. Install the OEM rear coil springs & raise the rear differential in order to load the OEM rear coil springs.
26. Attach the OEM rear ABS / brake lines to the frame using the OEM hardware & a 10mm socket / wrench. (See Photo # 7)
27. Attach the OEM rear sway bar end links to the rear axle brackets using the OEM hardware & a 18mm socket / wrench.
28. Attach the OEM rear track bar to the rear axle bracket using the OEM hardware. **Note:** Do not tighten at this time.
29. Attach the OEM rear shocks to the OEM rear lower shock mounts using a 18mm socket / wrench. (See Photo # 5)
30. Install the rear tires / wheels & lower the rear of the vehicle to the ground.
31. Tighten the OEM rear track bar hardware at the rear axle bracket using a 21mm socket / wrench.

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.

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