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2007 - 2018 Jeep Wrangler JK 2 Door / 4 Door 4"- 5" Suspension Lift Installation Instructions

Required Tool List:

- Safety Glasses
- Standard / Metric Wrenches & Sockets
- Floor Jack
- Jack Stands
- Assorted Drill Bits
- 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:

- The draglink 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.
- 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 #: JK40FRCR

Item #	Description	Qty
JK40FS-SRCR	JK FRONT COIL SPRING	2
JK40RS-SRCR	JK REAR COIL SPRING	2

Item #	Description	Qty
WD1	WARNING DECAL	1

Part # JK401CR

Item #	Description	Qty
JKLL24F-LCR	JK LOWER FRONT LINK	2
JKLL24R-LCR	JK LOWER REAR LINK	2

Item #	Description	Qty
JKFTBA717	JK FRONT ADJ TRACK BAR	1
H-BOX JK401CR	HDWR BOX: JK401CR	1

Hardware Box Breakdown:

Part # H-BOX JK401CR

Item #	Description	Qty
ABSS2535	JK FRONT BUMP STOP SPACER	2
JK24RTB-B	JK REAR TRACK BAR BRACKET	1
JK40RBS-S	JK REAR BUMP STOP SPACER	2
JKBRC15-B	JK REAR TRACK BAR BRACE	1
SBE126	JK FRONT DISC END LINKS	1
SBE502	JK REAR SWAY BAR END LINKS	1

Item #	Description	Qty
HB-JK24RTB	HDWR BAG: JK24RTB	1
HB-JK4BL	HDWR BAG: JK BRAKE LINE BRK	1
HB-JK40BSS	HDWR BAG: JK BUMP STOP SPC	1
HB-JKBRC15	HDWR BAG: JKBRC15	1
I-JK401CR	INST SHEET: JK401CR	1

Hardware Bag Breakdown:

Part # HB-SBE126

Item #	Description	Qty
403712	ES22 SLEEVE	4
12X212BHCTB	1/2 X 2 1/2 BUTTON HEAD BOLT	2

Item #	Description	Qty
12USSW	1/2 USS WASHER	4
12CTN	1/2 COARSE THRD N/I LOCK NUT	2

Part # HB-SBE502

Item #	Description	Qty
403712	ES22 SLEEVE	4
12X212BHCTB	1/2 X 2 1/2 BUTTON HEAD BOLT	4
12SAEW	1/2 SAE WASHER	4

Item #	Description	Qty
12USSW	1/2 USS WASHER	4
12CTN	1/2 COARSE THRD N/I LOCK NUT	4

Part # HB-JK24RTB

Item #	Description	Qty
CS1625	JKRTB CRUSH SLEEVE	1
12X114FTB	1/2 X 1 1/4 FINE THREAD BOLT	1
12FTN	1/2 FINE THREAD N/I LOCK NUT	1
12SAEW	1/2 SAE WASHER	1
716X1FTB	7/16 X 1 FINE THREAD BOLT	1
716FTN	7/16 FINE THRD N/I LOCK NUT	1

Item #	Description	Qty
716SAEW	7/16 SAE WASHER	1
916X3FTB	9/16 X 3 FINE THREAD BOLT	1
916X312FTB	9/16 X 3 1/2 FINE THREAD BOLT	1
916FTN	9/16 FINE THRD N/I LOCK NUT	2
916SAEW	9/16 SAE WASHER	4

Part # HB-JK4BL

Item #	Description	Qty
JKBE4D	JK BRAKE LINE BRACKET	2
14X1FTB	1/4 X 1 FINE THREAD BOLT	2

Item #	Description	Qty
14SAEW	1/4 SAE WASHER	4
14FTN	1/4" FINE THRD N/I LOCK NUT	2

Part # HB-JK40BSS

Item #	Description	Qty
516X1FTB	5/16 X 1 FINE THREAD BOLT	4
516FTN	5/16 FINE THRD N/I LOCK NUT	4
516SAEW	5/16 SAE WASHER	8

Item #	Description	Qty
38X4BHB	3/8 X 4 BUTTON HEAD BOLT	2
38CTN	3/8 COARSE THR N/I LOCK NUT	2
38SAEW	3/8 SAE WASHER	2

Part # HB-JKBRC15

Item #	Description	Qty
516X1CTB	5/16 X 1 COARSE THREAD BOLT	3
516XTFW	5/16 EXTRA THICK FLAT WASH	3

Item #	Description	Qty
516LW	5/16 LOCK WASHER	3

Front Installation:

1. With the vehicle on flat level ground, set the emergency brake, & block the rear tires / wheels.
2. Raise the front of the vehicle & support the frame rails using jack stands.
3. Remove the front tires / wheels.
4. Remove the OEM front sway bar end links using a 18mm socket / wrench & 19mm socket / wrench.
5. Remove the OEM front track bar using a 21mm socket / wrench. (See Photo # 1)
6. If installing a Skyjacker Steering Stabilizer (Part # 7003), Remove the OEM steering stabilizer using a 18mm socket / wrench. (See Photo # 2)
7. Remove the OEM front shocks using a 18mm socket / wrench.
8. Mark the location of the OEM front driveshaft & yoke, then remove the front driveshaft using a 15mm socket / wrench.
9. Lower the front differential & remove the OEM front coil springs. (See Photo # 3)



10. Place the new Skyjacker front bump stop spacers on the center of each OEM bump stop pad located on the front axle. Mark & drill using a 25/64" drill bit. (See Photo # 4)
11. Install the new Skyjacker front coil springs & new Skyjacker front bump stop spacers using the supplied 3/8" x 4" button head bolts, washers, nuts, a 7/32" hex key & a 9/16" socket / wrench. (See Photo # 5)
12. Raise the front differential in order to load the new Skyjacker front coil springs & install the OEM front driveshaft using the OEM hardware & a 15mm socket / wrench.
13. Assemble the new Skyjacker front sway bar end links using the supplied bushings & steel sleeves. Attach the eyes using the supplied 1/4" snap pins. Attach the end links to the axle using the OEM hardware. (See Photo # 6) Attach the lower portion of the new sway bar end link using the supplied 1/2" x 2 1/2" button head bolt. Use one large USS washer under the nut.
14. If installing a Skyjacker steering stabilizer (Part # 7003), install it at this time. (See Photo # 7)
15. Install the new Skyjacker front shocks using the supplied hardware, OEM hardware, & a 18mm socket / wrench. (See Photo # 8)
16. Remove the OEM front lower control arms (one at a time) & install the new Skyjacker front lower control arms using the OEM hardware. (See Photo # 9) **Note:** Install the new front lower control arms so the off-set bend is toward the inside of the vehicle.
17. Install the front tires / wheels & lower the vehicle to the ground.



18. Install the fixed end of the new Skyjacker adjustable front track bar to the upper track bar mounting location using the OEM hardware & a 21mm socket / wrench. **Do not tighten at this time.** (See Photo # 10)
19. Using a measuring tape, check the vehicle to make sure the body is centered over the front tires / wheels & adjust the new Skyjacker rod end to align with the lower track bar mounting location.
20. Install the adjustable end of the new Skyjacker adjustable front track bar to the lower track bar mounting location using the OEM hardware & a 21mm socket / wrench. **Do not tighten at this time.** (See Photo # 11)
21. Tighten the OEM upper & lower track bar mounting hardware using a 21mm socket / wrench.
22. Tighten the jam nut of the new Skyjacker rod end using an adjustable wrench.



Photo # 10



Photo # 11

Rear Installation:

1. Block the front tires / wheels, raise the rear of the vehicle, & properly support the frame rails using jack stands.
2. Remove the rear tires / wheels.
3. Remove the OEM rear shocks using a 16mm socket / wrench & 18mm socket / wrench. (See Photo # 12)
4. Disconnect the OEM rear track bar from the rear axle using a 21mm socket / wrench. (See Photo # 13)
5. Remove the OEM rear sway bar end links using a 18mm socket / wrench & 19mm socket / wrench.
6. Disconnect the OEM ABS line & brake line from the frame using a 10mm socket / wrench. (See Photo # 14)
7. Lower the rear differential & remove the OEM rear coil springs.
8. Install the new Skyjacker rear coil springs.



Photo # 12



Photo # 13



Photo # 14

9. Place the new Skyjacker rear track bar relocation bracket over the OEM bracket on the rear axle. With the new rear track bar bracket seated flush, clamp the bracket in place, mark with a center punch, & drill the new center mounting hole using a 15/32" drill bit. (See Photo # 15)
10. Once drilled, install the supplied 7/16" x 1" fine thread bolt, washer, & nut using a 5/8" socket / wrench. (See Photo # 16)
11. Mark, center punch, & drill through the driver side bottom of the OEM bracket & through the new Skyjacker bracket using a 17/32" drill bit. Install the supplied 1/2" x 1 1/4" fine thread bolt, washer, & nut using a 3/4" socket / wrench. Install the supplied crush sleeve, 9/16" x 3 1/2" bolt, washers, & nut at the bottom location using a 13/16" socket / wrench. (See Arrow in Photo # 17)
12. Remove the three OEM upper left rear differential cover bolts using a 1/2" socket / wrench. (See Photo # 18)
13. Attach the new Skyjacker track bar brace to the rear differential using the supplied 5/16" x 1" coarse thread bolts, 5/16" extra thick flat washers, 5/16" lock washers, & a 1/2" socket / wrench. **Do not tighten at this time.** The end of the new track bar brace should be between the new track bar bracket & the new coil spring. **Note:** Use the 5/16" extra thick flat washers between the new track bar brace & the rear differential cover. Use the 5/16" lock washers under the head of each 5/16" bolt. (See Photo # 19 & # 20) **Do not tighten at this time.**



Photo # 15

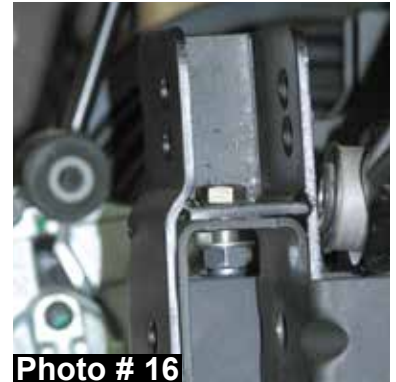


Photo # 16

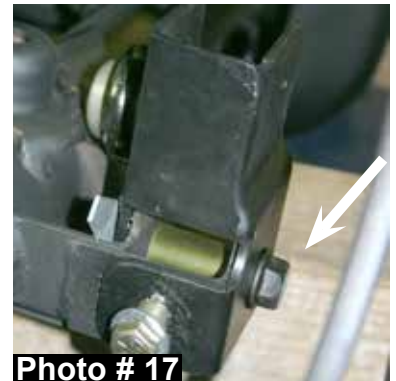


Photo # 17



Photo # 18



Photo # 19

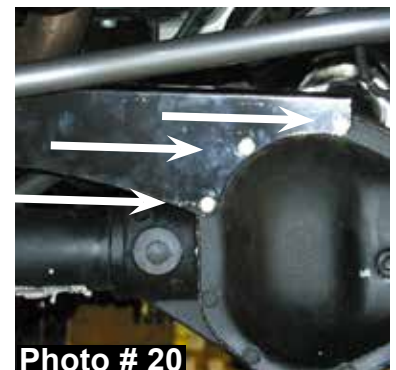


Photo # 20

14. Attach the OEM rear track bar & the end of the new Skyjacker track bar brace to the upper mounting location of the new Skyjacker track bar bracket using the supplied 9/16" x 3" fine thread bolt, washers, & nut. Tighten the supplied 5/16" bolts at the rear differential using a 1/2" socket / wrench & the supplied 9/16" x 3" bolt on the track bar using a 13/16" socket / wrench. (See Photo # 21)



15. Attach the new Skyjacker rear bump stop spacers to the OEM locations on the rear axle using the supplied 5/16" x 1" fine thread bolts, washers, nuts, & a 1/2" socket / wrench. (See Photo # 22)

Note: Be sure to install the new bump stop spacers so the angled end is towards the rear of the vehicle.



16. Raise the rear differential in order to load the new Skyjacker rear coil springs & install the new Skyjacker rear sway bar end links using the supplied steel sleeves, 1/2" x 2 1/2" button head bolts, washers, nuts, a 5/16" hex key, & a 3/4" socket / wrench. **Note:** If using an OEM wheel, the upper end link bolt will need to be installed from the outside in for wheel clearance. Use the large 1/2" USS washer under the head of each bolt & the 1/2" SAE washer under each nut. (See Photo # 22)

17. Install the new Skyjacker brake line brackets to the frame using the OEM hardware & a 10mm socket / wrench. Attach each OEM brake line to the new brake line brackets using the supplied 1/4" x 1" fine thread bolts, washers, nuts, & a 7/16" socket / wrench. (See Photo # 23)



18. Remove the OEM rear lower control arms (one at a time) & install the new Skyjacker rear lower control arms using the OEM hardware. (See Photo # 24)

19. Install the new Skyjacker rear shocks using the OEM hardware, & a 16mm socket / wrench & 18mm socket / wrench. (See Photo # 25)

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



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>		
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.**

Seat Belts Save Lives, Please Wear Your Seat Belt.