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2018 Jeep Wrangler JL 3.5" - 6" Rear Coil-Over Lift Installation Instructions

REQUIRED TOOL LIST:

- Safety Glasses
- Metric / Standard Sockets & Wrenches
- Center Punch / Hammer
- Drill / 5/16" & 7/16" Drill Bits
- Tin Snips
- 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 or hardware 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.

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 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 Rear: _____

Passenger Side Rear: _____

Important Notes:

- In the event of a need for different coil spring rate options, due to heavier weight, custom modifications, or etc. Please call SKYJACKER® Technical Assistance at 318-388-0816.
- A replacement rear dual cardan CV style drive shaft is **required** for 2 Door Models & **recommended** for 4 Door Models.
- Rear adjustable lower control arms are **recommended**. (Part # JLL24R-SX)
- Rear adjustable upper control arms are **required**. (Part # JLULR26-SX)
- The **recommended** wheel back spacing is 4.5" or less.

- 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.

Component Box Breakdown:

Part # JL36RLS

Item #	Description	Qty
SKY2031-PR	R/R COIL-OVER SHOCK / PAIR	1
2.5X12X200	2.5X12X200 COIL-OVER SPRING	2

Item #	Description	Qty
2.5X12X250	2.5X12X250 COIL-OVER SPRING	2
LSCOWRH-S	2.0 C/O SHK SPANNER WRENCH	1

Part # JL36RLSB

Item #	Description	Qty
JLLSBORU-B	REAR DRIV UPPER C/O BRKT	1
JLLSBORDL-1	REAR DRIV LWR INNER BRKT	1
JLLSBORDL-2	REAR DRIV LWR OUTER BRK	1
JLLSBORPU-B	REAR PASS UPPR C/O BRKT	1
JLLSBORPL-1	REAR PASS LWR INNER BRK	1
JLLSBORPL-2	REAR PASS LWR OUTER BRK	1

Item #	Description	Qty
JKLSBORRD-B	DRIV REMOTE RES BRKT	1
JKLSBORRP-B	PASS REMOTE RES BRKT	1
HB-JLLSBORL	HDWR BAG: REAR LOWER	1
HB-JLLSBORU	HDWR BAG: REAR UPPER	1
I-JLRLS	INST SHEET: JL36RLS	1

Hardware Bag Breakdown:

Part # HB-JLLSBORL

Item #	Description	Qty
716X114FTB	7/16 X 1 1/4 FINE THREAD BLT	2
716SAEW	7/16 SAE WASHER	4
716FTN	7/16 FINE NYLON LOCK NUT	2
12SAEW	1/2 SAE WASHER	4

Item #	Description	Qty
14X120MMB	14MM X 120MM METRIC BOLT	2
916SAEW	9/16 SAE WASHER	4
14MMN	14MM NYLON LOCK NUT	2

Part #: HB-JLLSBORU

Item #	Description	Qty
CS1495	CRUSH SLEEVE / 1.50"	2

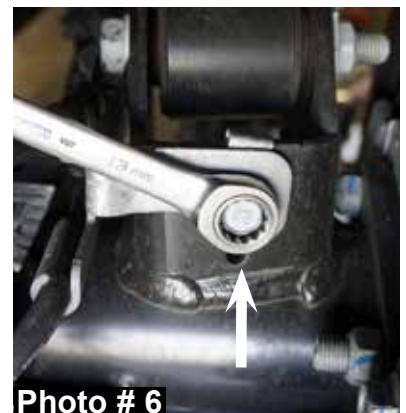
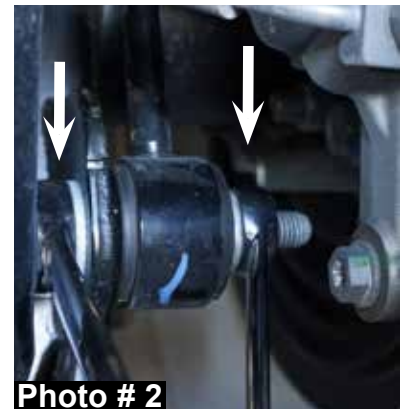
Item #	Description	Qty
38X1TCFB	3/8 X 1 THRD-CUTTER FLG BLT	16

Optional Jeep JL Coil-Over Items: (Sold Separately)



Installation:

1. With the vehicle on flat level ground, set the emergency brake, & block the front tires / wheels.
2. Raise the rear of the vehicle, support the frame rails, & rear differential using jack stands.
3. Remove the rear tires / wheels using a 22mm socket. (See Photo # 1)
4. Disconnect the rear sway bar end links from the rear differential using a 18mm socket / wrench. (See Photo # 2)
5. Disconnect the rear track bar from the frame bracket using a 21mm socket / wrench. (See Photo # 3)
6. In order to gain access to the OEM rear upper shock mounting bolts, remove the OEM rear lower fender liners using a 8mm socket / wrench. (See Photo # 4)
7. Remove the rear shocks using a 18mm socket / wrench. (See Photo # 5)
8. Disconnect the rear brake line brackets from the frame & rear differential using a 10mm socket / wrench & 13mm socket / wrench. (See Photo # 6)
9. While checking for appropriate slack in ABS lines, brake lines, differential vent hose, electrical connections, & etc. Lower the rear differential & remove the rear coil springs & rubber isolators.



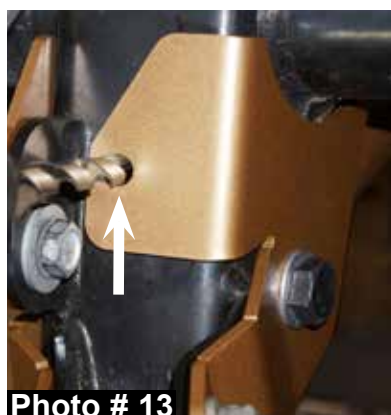
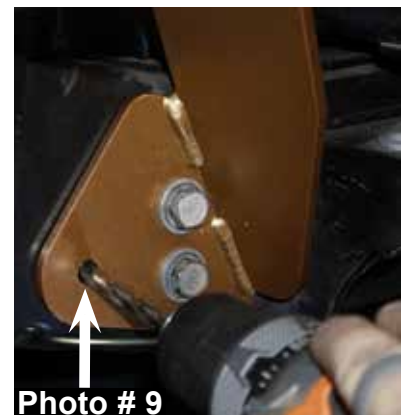
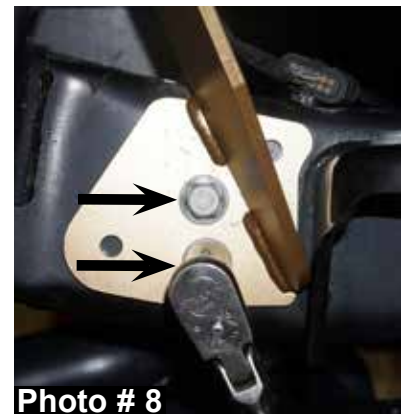
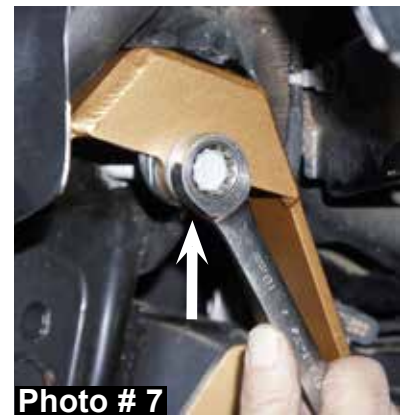
10. Install the new Skyjacker rear upper coil-over brackets to the rear upper shock brackets & frame using the OEM hardware, a 16mm socket / wrench, & 18mm socket / wrench. **Note:** Do not fully tighten at this time. (See Photos # 7 & # 8)

11. Mark, center punch, & drill the six remaining mounting holes of each new Skyjacker rear upper coil-over bracket using a 5/16" drill bit. (See Photo # 9)

12. Once drilled, remove the OEM upper shock hardware using a 18mm socket / wrench & finish installing the new Skyjacker rear upper coil-over brackets to the frame using the supplied 3/8" x 1" thread cutter bolts & a 9/16" socket / wrench. (See Photo # 10)

13. One side at a time, disconnect the rear lower control arms from the OEM lower control arm brackets using a 21mm socket / wrench & install the new Skyjacker rear lower coil-over brackets & rear lower control arms to the OEM lower control arm brackets using the supplied 14mm x 120mm bolts, washers, nuts, & a 22mm socket / wrench. **Note:** Do not fully tighten at this time. (See Photos # 11 & # 12)

14. Mark, center punch, & drill each rearward mounting hole of the new Skyjacker rear lower coil-over brackets using a 7/16" drill bit. (See Photo # 13)



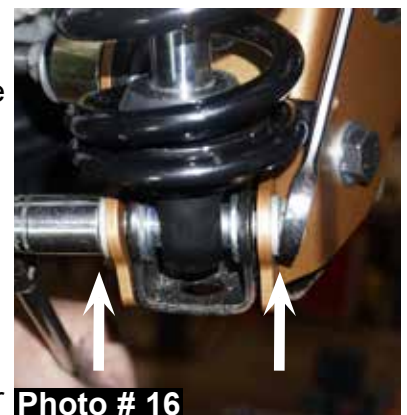
15. Install the supplied 7/16" x 1 1/4" fine thread bolts into the previously drilled holes of the new Skyjacker rear lower coil-over brackets using a 5/8" socket / wrench. **Note:** Do not fully tighten at this time. (See Photo # 14)



16. With the fitting, reservoir hose, & remote reservoir of each new Skyjacker rear coil-over shock facing toward the rear of the vehicle, install the new Skyjacker rear coil-over shocks to the new Skyjacker rear upper coil-over shock brackets using the supplied 1 1/2" long sleeves, shock spacers, OEM upper shock hardware, & a 18mm socket / wrench. **Note:** The 1 1/2" long sleeves will install inside toward the frame of the vehicle. (See Photo # 15)



17. Install the new Skyjacker rear coil-over shocks to the new Skyjacker rear lower coil-over shock brackets using the supplied shock spacers, 1/2" washers, OEM lower shock hardware, & a 18mm socket / wrench. **Note:** The 1/2" washers will install on the inside of the OEM rear shock bracket with one on each side of the shock spacers. (See Photo # 16)



18. Fully tighten all rear lower coil-over bracket hardware using a 5/8" socket / wrench, 18mm socket / wrench, & 22mm socket / wrench.

19. Hold the new Skyjacker remote reservoir brackets up to the frame above the OEM bump stop brackets & mark, center punch, & drill the two mounting holes of each new remote reservoir bracket using a 5/16" drill bit. (See Photo # 17)

20. Install the new Skyjacker rear remote reservoir brackets to the frame using the supplied 3/8" x 1" thread cutting bolts & a 9/16" socket / wrench. (See Photo # 18)

21. Install the new Skyjacker rear remote reservoirs to the new Skyjacker rear remote reservoir brackets using the supplied screw clamps & a 5/16" socket / wrench. **Note:** Trim any excess length of the new screw clamps using tin snips. (See Photo # 19)



22. Connect the OEM rear brake line brackets to the frame & rear differential using a 10mm socket / wrench & 13mm socket / wrench. (See Photo # 6)
23. Install the OEM rear lower fender liners using a 8mm socket / wrench. **Note:** It may be necessary to slightly trim the OEM rear lower fender liners for rear upper coil-over bracket clearance. (See Photo # 4)
24. Connect the rear track bar to the frame bracket using a 21mm socket / wrench. (See Photo # 3)
25. Connect the rear sway bar end links to the rear differential & new Skyjacker rear lower coil-over brackets using the OEM hardware & a 18mm socket / wrench.
26. Install the rear tires / wheels using a 22mm socket & lower the rear of the vehicle to the ground. (See Photo # 1)

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.
- 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 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 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.