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# 2007- 2016 Jeep Wrangler JK 2 Door / 4 Door Air Bump Stops Installation Instructions

## Required Tools List:

- Safety Glasses
- Metric / Standard Sockets & Wrenches
- 7/32" Hex Key Socket / Wrench
- Center Punch
- Hammer
- Drill & 3/8" Drill Bit
- Cut Off Wheel / Reciprocating Saw
- Grinder
- Floor Jack
- Jack Stands
- Torque Wrench



Before beginning the installation, read these instructions & the enclosed driver's WARNING NOTICE thoroughly & completely. Also 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.

## Important Notes:

- This kit is designed to be used with Skyjacker Suspensions front coil-over shock upgrade **only!!!**

## Component Box Breakdown:

### Part #: JKLSAB

Item #	Description	Qty	Item #	Description	Qty
SKY2025-S	PINCH BOLT BUMP STOP	2	BSS3025-B	BUMP STOP SPACER	2
JKLSBS-D	DRIVER BUMP STOP BRACKET	1	HB-JKLSAB	HDWR BAG: AIR BUMP STOPS	1
JKLSBS-P	PASS BUMP STOP BRACKET	1	I-JKLSAB	INST SHT: JKLSAB BUMP STOPS	1

## Hardware Bag Breakdown:

### Part # HB-JKLSAB

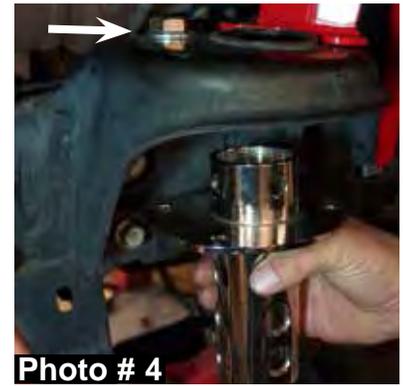
Item #	Description	Qty	Item #	Description	Qty
38X114FTB	3/8 X 1 1/4 FINE THREAD BOLT	6	38FTN	3/8 FINE THREAD LOCK NUT	6
38X134CTB	3/8 X 1 3/4 COARSE THRD BOLT	2	58X112FTB	5/8 X 1 1/2 FINE THREAD BOLT	2
38X234BHB	3/8 X 2 3/4 BUTTON HEAD BOLT	2	58SAEW	5/8 SAE WASHER	4
38SAEW	3/8 SAE WASHER	14	58FTN	5/8 FINE THREAD LOCK NUT	2
38CTN	3/8 COARSE THREAD LOCK NUT	4			
I-JKLSAB 6-16					

## **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 using a floor jack & support the frame rails using jack stands.
3. Support the front differential using a floor jack & remove the front tires / wheels.
4. Disconnect the front sway bar end links from the front differential using a 18mm socket / wrench.
5. Disconnect the front track bar from the front differential using a 21mm socket / wrench.
6. Disconnect the front shocks from the front differential using a 18mm socket / wrench.
7. Disconnect the front brake line brackets from the frame using a 10mm socket / wrench.
8. Mark the location of the front driveshaft / yoke & remove the front driveshaft using a 15mm socket / wrench.
9. While checking for adequate slack in the ABS lines, brake lines, differential breather hose, & etc. Lower the front differential & remove the OEM coil springs & rubber isolators.
10. The OEM bump stop tubes must be removed by cutting the weld from the top of each OEM bump stop tube using a cut off wheel, reciprocating saw, or similar tool. (See Photo # 1)
11. Loosen & remove each OEM bump stop tube. (See Photo # 2)
12. Clean up any imperfections & round any sharp edges using a grinder or similar tool.
13. Prime / paint all raw metal exposed from removing the OEM bump stop tubes.
14. Place the new Skyjacker bump stop spacers on the center of each OEM bump stop pad located on the front differential. Mark, center punch, & drill using a 3/8" drill bit. (See Photo # 3)



15. Install the new Skyjacker driver & passenger side bump stop brackets to the bottom side of each OEM upper coil spring mount using the supplied 5/8" x 1 1/2" fine thread bolts, washers, nuts, & a 15/16" socket / wrench. (See Photo # 4)
16. Mark, center punch, & drill the three remaining mounting holes of each new Skyjacker bump stop bracket using a 3/8" drill bit. (See Photo # 5)
17. Install the supplied 3/8" x 1 1/4" fine thread bolts, washers, & nuts in the previously drilled holes using a 9/16" socket / wrench. (See Photo # 6)
18. Install the new Skyjacker air bump stops into each new Skyjacker bump stop bracket & secure using the supplied 3/8" x 1 3/4" coarse thread bolts, nuts, & a 9/16" socket / wrench. **Note:** Torque each 3/8" pinch bolt to 20 ft. lbs. Do not over tighten or damage will occur to the new Skyjacker air bump stops.
19. Install the new Skyjacker front bump stop spacers using the supplied 3/8" x 2 3/4" button head bolts, washers, nuts, a 7/32" hex key socket / wrench, & a 9/16" socket / wrench. (See Photo # 7)
20. Raise the front differential & install the front driveshaft using the OEM hardware & a 15mm socket / wrench.
21. Connect the front brake line brackets to the frame using the OEM hardware & a 10mm socket / wrench.
22. Connect the front shocks to the front differential using using the OEM hardware & a 18mm socket / wrench.
23. Connect the front track bar to the front differential using using the OEM hardware & a 21mm socket / wrench.
24. Connect the front sway bar end links to the front differential using the OEM hardware & a 18mm socket / wrench.
25. Install the front 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.
- After the first 100 miles, check all hardware for the proper torque & periodically thereafter.

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