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# 2005 - 2018 Ford F250 / F350 4WD Super Duty 6" & 8.5" Suspension Lift Installation Instructions

## REQUIRED TOOL LIST:

- Safety Glasses
- Metric / Standard Sockets & Wrenches
- T30 Torx
- Drill
- 15/32" Drill Bit
- 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 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 of the vehicle (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: \_\_\_\_\_

## Important Notes:

- These new Skyjacker coil-over shocks are to be used in conjunction with an existing 6" or 8.5" suspension lift. **Do not** install these coil-over shocks on a vehicle that does not have a 6" or 8.5" suspension lift.
- If larger tires (10% more than the OEM diameter) are installed, speedometer recalibration will be necessary. Contact your local Ford 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 #: F768FLS (6" & 8.5" Lift)**

Item #	Description	Qty	Item #	Description	Qty
SKY252408-S	FORD S/D COIL-OVER SHOCK	2	3X18X450	FORD S/D COIL-OVER SPRING	2

**Part #: F76FLSB (6" Lift) / F78FLSB (8.5" Lift)**

Item #	Description	Qty	Item #	Description	Qty
F54LSUB-D	FORD S/D C/O DRV UPPER BRK	1	HB-F768LSUB	HDWR BG: F76FLSB/F78FLSB	1
F54LSUB-P	FORD S/D C/O PAS UPPER BRK	1	HB-F768LSLB	HDWR BG: F76FLSB/F78FLSB	1
F54LSLB-S	FORD S/D 6" C/O LOWER BRK	2	HB-F17ABS	HDWR BG: F17ABS	1
	<b>(Included With F76FLSB)</b>		I-F768FLS	INST SHT: F76FLSB/F78FLSB	1
F58LSLB-S	FORD S/D 8.5" C/O LOWER BRK	2			
	<b>(Included With F78FLSB)</b>				

**Hardware Bag Breakdown:****Part # HB-F768LSUB (6" & 8.5" Lift)**

Item #	Description	Qty	Item #	Description	Qty
12X3FTB	1/2 X 3 FINE THREAD BOLT	2	716X112FTB	7/16 X 1 1/2 FINE THREAD BOLT	6
12SAEW	1/2 SAE WASHER	4	716SAEW	7/16 SAE WASHER	12
12FTN	1/2 FINE THREAD LOCK NUT	2	716FTN	7/16 FINE THREAD LOCK NUT	6

**Part # HB-F768LSLB (6" & 8.5" Lift)**

Item #	Description	Qty	Item #	Description	Qty
12X3FTB	1/2 X 3 FINE THREAD BOLT	2	516SAEW	5/16 SAE WASHER	4
12SAEW	1/2 SAE WASHER	4	516FTN	5/16 FINE THREAD LOCK NUT	2
12FTN	1/2 FINE THREAD LOCK NUT	2	916SAEW	9/16 SAE WASHER	2
14X30MMB	14MM X 30MM METRIC BOLT	2	LT100	NUTS N' BOLTS 427 1 ML TUBE	1
516X1FTB	5/16 X 1 FINE THREAD BOLT	2			

**Part # HB-F17ABS (6" & 8.5" Lift)**

Item #	Description	Qty	Item #	Description	Qty
F17ABS-B	FORD S/D ABS MODULE BRK	1	516SAEW	5/16 SAE WASHER	2
516X1FTB	5/16 X 1 FINE THREAD BOLT	1	516FTN	5/16" FINE THREAD LOCK NUT	1

## **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 vehicle securely using jack stands.
3. While supporting the front differential, remove the front tires / wheels using a 21mm socket.
4. Remove the inner fender liners using a T30 torx & 5.5mm socket / wrench. (See Photo # 1)
5. Disconnect the sway bar end links from the sway bar using a 18mm socket / wrench.
6. Disconnect the upper brake line brackets from the frame using a 13mm socket / wrench.
7. Disconnect the 4WD actuator lines from the upper frame.
8. Disconnect the steering stabilizer bracket from the frame using a 13mm socket / wrench.
9. Disconnect the drag link from the pitman arm using a 24mm socket / wrench.
10. Disconnect the track bar from the track bar bracket using a 1 3/16" & 1 1/4" socket / wrench.
11. Disconnect the front shocks from the front differential using a 18mm & 21mm socket / wrench.
12. Lower the front differential & remove the front coil springs.
13. If the vehicle is equipped, disconnect the ABS module from the driver's side coil spring tower using a 13mm socket / wrench.
14. If the vehicle is equipped, install the new Skyjacker ABS module bracket vertically to the driver's side coil spring tower using the supplied 5/16" x 1" fine thread bolt, washers, nut, & a 1/2" socket / wrench. (See Photo # 2)
15. If the vehicle is equipped, connect the ABS module to the new Skyjacker ABS module bracket using the OEM hardware & a 13mm socket / wrench. (See Photo # 2)
16. Cut out the supplied template & place over the coil spring alignment tube.
17. Mark, center punch, & drill the new Skyjacker upper coil-over bracket mounting locations using the supplied template, drill, & a 15/32" drill bit.



18. Remove the coil spring alignment tube using a reciprocating saw or similar tool. (See Photo # 3)
19. Prime / paint all raw metal exposed from removing the coil spring alignment tube & drilling the new Skyjacker upper coil-over bracket mounting locations.
20. Disconnect the brake line brackets from the lower coil spring seats using a 10mm socket / wrench.
21. Remove the lower coil spring seats from the front differential using a 18mm socket. (See Photo # 4)
22. Install the new Skyjacker lower coil-over mounting bracket to the front differential using the supplied thread locking compound, 14mm x 30mm bolts, 9/16" SAE washers, & a 22mm socket. (See Photo # 5)
23. Install the new Skyjacker coil-over shocks to the new Skyjacker upper coil-over mounting brackets using the supplied coil-over shock spacers, 1/2" x 3" fine thread bolts, 1/2" SAE washers, 1/2" fine thread nuts, & a 3/4" socket / wrench. (See Photo # 6) **Note:** Do not fully tighten at this time.
24. Install the new Skyjacker upper coil-over mounting brackets to the upper coil spring mounts using the supplied 7/16" x 1 1/2" fine thread bolts, 7/16" SAE washers, 7/16" fine thread nuts, & a 5/8" socket / wrench. (See Photo # 7)
25. Install the new Skyjacker coil-over shocks to the new Skyjacker lower coil-over mounting brackets using the supplied coil-over shock spacers, 1/2" x 3" fine thread bolts, 1/2" SAE washers, 1/2" fine thread nuts, & a 3/4" socket / wrench. (See Photo # 6) **Note:** Fully tighten the upper & lower coil-over shock 1/2" mounting hardware at this time using a 3/4" socket / wrench..



26. Connect the brake line brackets to the new Skyjacker lower coil-over mounting brackets using the supplied 5/16" x 1" fine thread bolts, 5/16" SAE washers, 5/16" fine thread nuts, & a 1/2" socket / wrench. (See Photo # 9)

27. Install the inner fender liners using a T30 torx & 5.5mm socket / wrench. (See Photo # 1)

28. Install the new Skyjacker remote reservoirs to the new Skyjacker remote reservoir brackets using the supplied screw clamps & a 5/16" socket / wrench. (See Photo # 10)

29. Connect the front shocks to the front differential using a 18mm & 21mm socket / wrench.

30. Connect the track bar to the track bar bracket using a 1 3/16" & 1 1/4" socket / wrench.

31. Connect the drag link to the pitman arm using a 24mm socket / wrench.

32. Connect the steering stabilizer bracket to the frame using a 13mm socket / wrench.

33. Connect the 4WD actuator lines at the upper frame.

34. Connect the upper brake line brackets to the frame using a 13mm socket / wrench.

35. Connect the sway bar end links to the sway bar using a 18mm socket / wrench.

36. Install the front tires / wheels using a 21mm socket & lower the front of 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.



**Photo # 9**



**Photo # 10**

**TORQUE SPECIFICATIONS**

<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 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.**

