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2004 - 2008 Ford F-150 2WD / 4WD 3" Suspension Lift Installation Instructions

REQUIRED TOOL LIST:

- Safety Glasses
- Strut Spring Compressor
- Metric / Standard Wrenches & Sockets
- 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 & 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 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 #: F430STBB / F430STBH / F430STBM / F430STBN / F432STBB / F432STBH
/ F432STBM / F432STBN**

Item #	Description	Qty	Item #	Description	Qty
F423ST-S	F150 FRONT STRUT	2	H7060	HYDRO SHOCK W/RED BOOT	2
F430CS-S	F150 METAL STRUT SPACER	2		(Included With STBH Kits)	
EPS3456	F150 POLY STRUT SPACER	2	M9560	MONOTUBE SHOCK	2
	(Included With F432 Kits)			(Included With STBM Kits)	
RBF202	DUAL PIN REAR BLOCK	2	N8060	NITRO SHOCK W/RED BOOT	2
916X318X1114U	9/16 X 3 1/8 X 11 1/4 SQ U-BOLT	4		(Included With STBN Kits)	
916FTN	9/16 FINE THREAD LOCK NUT	8	I-F4302B	INST SHEET: F430STB/F432STB	1
B8560	BLACK MAX SHOCK W/BOOT	2			
	(Included With STBB Kits)				

Front Installation:

1. With the vehicle on flat level ground, set the emergency brake & block the rear tire / wheels.
2. Raise the front of the vehicle & support the vehicle securely using jack stands.
3. Remove the front tires / wheels. (See Photo # 1)
4. Disconnect the OEM outer tie rod ends from the OEM steering knuckles. **Note:** It may be necessary to strike the side of the OEM steering knuckles to dislodge the OEM outer tie rod ends. Be careful not to damage the OEM outer tie rod ends. (See Photo # 2)
5. Disconnect the OEM upper ball joints from the OEM steering knuckles. **Note:** It may be necessary to strike the side of the OEM steering knuckles to dislodge the OEM upper ball joints. Be careful not to damage the OEM upper ball joints.
6. Disconnect the OEM lower strut mounts from the OEM lower control arms. (See Photo # 3)
7. Disconnect the OEM upper strut mounts from the OEM upper frame mounts. (See Photo # 4)
8. For strut alignment purposes, mark the location of the OEM upper strut mounts & OEM coil springs prior to disassembly.



Photo # 1



Photo # 2



Photo # 3



Photo # 4

9. Using a strut spring compressor, unload the coil spring tension on the OEM upper strut mounts of the OEM strut assemblies. Remove the OEM upper strut retaining nuts & remove the OEM struts from the bottom of the OEM coil springs. (See Photo # 5)
10. At the upper hex portion of the new Skyjacker strut shafts, rotate the shafts of the new struts counter clockwise in order to unlock & extend the shaft of the new struts.
11. Assemble the new Skyjacker struts by installing the new Skyjacker metal coil spring spacer, new Skyjacker coil spring pad, & new Skyjacker bump stop onto each new strut. (See Photo # 6)
12. **2WD Models:** Remove the OEM strut isolators from the OEM strut mounts & install the new Skyjacker polyurethane spacers to the OEM strut mounts. (See Photo # 7) **Note:** It may be necessary to lubricate the new polurethane spacer or use a press in order to get the new polyurethane spacer over the OEM strut mount cup.
13. While aligning the previously made marks on the OEM upper strut mounts & OEM coil springs from Step # 8, assemble the new Skyjacker strut / spacer assemblies using the OEM coil springs.
14. Connect the new Skyjacker strut / spacer assemblies to the OEM upper frame mounts using the OEM hardware. (See Photo # 4)
15. Connect the new Skyjacker strut assemblies to the OEM lower control arms using the OEM hardware. (See Photo # 3)
16. Connect the OEM upper ball joints to the OEM steering knuckles.
17. Connect the OEM outer tie rod ends to the OEM steering knuckles.
18. Install the front tires / wheels & lower the front of the vehicle to the ground.



Photo # 5

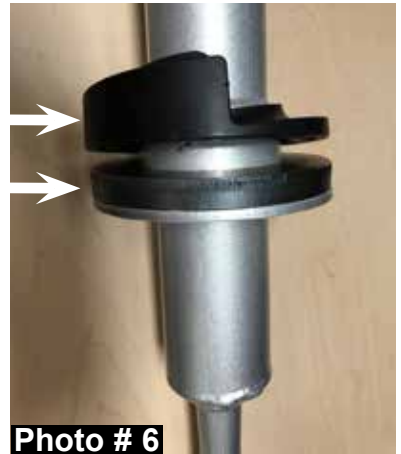


Photo # 6

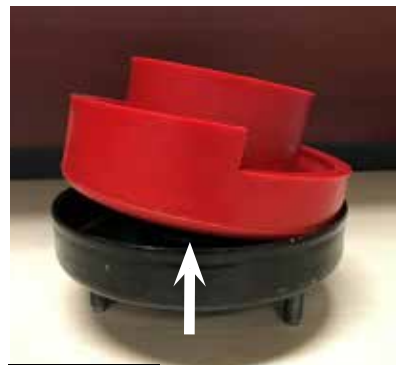


Photo # 7

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. Support the rear axle & remove the OEM rear shocks & OEM U-bolts. (See Photo # 8)



Photo # 8

4. While checking for appropriate slack in ABS lines, brake lines, differential breather hose, & etc, lower the rear axle. Install the new Skyjacker rear lift blocks below the OEM rear blocks & install the new Skyjacker U-bolts. (See Photo # 9)
5. Install the new Skyjacker rear shocks using the supplied hardware & OEM hardware.
6. Install the rear tires / wheels & lower the rear of the vehicle to the ground.



Photo # 9

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.

<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.

Seat Belts Save Lives, Please Wear Your Seat Belt.