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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 #: F430STBH / F430STBM / F430STBN / F432STBH / F432STBM / F432STBN

Item #	Description	Qty	Item #	Description	Qty
F423ST-S	3" 4WD FRONT STRUT (Included With F430STBH, F430STBM, & F430STBN Kits)	2	916X318X1114U	9/16 X 3 1/8 X 11 1/4 SQ U-BOLT	4
F4132ST-S	3" 2WD FRONT STRUT (Included With F432STBH, F432STBM, & F432STBN Kits)	2	916FTN	9/16 FINE THREAD LOCK NUT	8
F964ST-SP1	STRUT SPACER RING (Included With F430STBH, F430STBM, & F430STBN Kits)	2	H7060	HYDRO SHOCK W/RED BOOT (Included With F430STBH & F432STBH Kits)	2
F964ST-SP1	STRUT SPACER RING (Included With F432STBH, F432STBM, & F432STBN Kits)	4	M9560	MONOTUBE SHOCK (Included With F430STBM & F432STBM Kits)	2
RBF202	2" FLAT DUAL PIN REAR BLOCK	2	N8060	NITRO SHOCK W/RED BOOT (Included With F430STBN & F432STBN Kits)	2
			I-F4302B	INST SHEET: F430STB/F432STB	1

## Front Installation:

1. With the vehicle on a level concrete or asphalt surface, set the emergency brake & block the rear tires / wheels. Place a floor jack under the lower control arm front cross member & raise the front of the vehicle. Place jack stands under the frame rails behind the front wheel wells & lower the frame onto the jack stands.
2. Remove the front tires / wheels. (See Photo # 1)
3. 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)
4. 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.
5. Disconnect the OEM lower strut mounts from the OEM lower control arms. (See Photo # 3)



Photo # 1



Photo # 2



Photo # 3

6. Disconnect the OEM upper strut mounts from the OEM upper frame mounts. (See Photo # 4)
7. 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.



Photo # 4

8. 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. Assemble the new struts by installing the new Skyjacker coil seat spacer ring (See Step # 9), new Skyjacker coil spring seat, new Skyjacker coil spring pad, & OEM bump stop onto each new strut. (See Photo # 6 & # 7) **Once the coil spring seat spacer rings have been installed check all suspension components for any contact or interference. If suspension component contact or interference is present, lower the coil spring seat by removing a coil spring seat spacer ring until no contact or interference is present.**



Photo # 5

9. **2WD Models:** If 1" of lift is desired for the front of the vehicle, do not install the new Skyjacker strut spacer ring on each new Skyjacker strut, 2" of lift use one new strut spacer ring on each new strut, & 3" of lift use two new strut spacer rings on each new strut. The 3" suspension lift will make for a firmer ride than OEM because of the coil spring preload.

**4WD Models:** If 2" of lift is desired for the front of the vehicle, do not install the new Skyjacker strut spacer ring on each new Skyjacker strut & 3" of lift use one new strut spacer ring on each new strut.



Photo # 6

10. Assemble the new Skyjacker strut assemblies using the OEM coil springs & OEM upper strut mounts. (See Photo # 8)



Photo # 8



Photo # 7

11. Connect the new Skyjacker strut assemblies to the OEM upper frame mounts using the OEM hardware. (See Photo # 4)
12. Connect the new Skyjacker strut assemblies to the OEM lower control arms using the OEM hardware. (See Photo # 3)
13. Connect the OEM upper ball joints to the OEM steering knuckles.
14. Connect the OEM outer tie rod ends to the OEM steering knuckles.
15. Install the front tires / wheels & lower the front of the vehicle to the ground.



**Photo # 9**

## **Rear Installation:**

16. Block the front tires / wheels, raise the rear of the vehicle, & properly support the frame rails using jack stands.
17. Remove the rear tires / wheels.
18. Support the rear axle & remove the OEM rear shocks & OEM U-bolts. (See Photo # 9)
19. While checking for appropriate slack in ABS lines, brake lines, differential breather hose, & etc, lower the rear axle. Install the new Skyjacker 2" rear lift blocks below the OEM rear blocks & install the new Skyjacker U-bolts. (See Photo # 10)
20. Install the new Skyjacker rear shocks using the supplied hardware & OEM hardware.
21. Install the rear tires / wheels & lower the rear of the vehicle to the ground.



**Photo # 10**

## **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 realign the vehicle to the OEM specifications.
- After the first 100 miles, check all of the hardware for the proper torque & periodically thereafter.

**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.**



***Jesus Christ Died For You.***

John 3:16

For God so loved the world that He gave His only Son, so that everyone who believes in Him should not perish, but have everlasting life.  
Romans 3:23

For all have sinned; all fall short of God's glorious standard.  
Ephesians 2:8

God saved you by his special favor when you believed. And you can't take credit for this; it is a gift from God.  
Psalms 18:2

The Lord is my Rock, my fortress, and my savior; my God is my Rock, in whom I find protection. He is my shield, the strength of my salvation, and my stronghold.  
Romans 10:9-10

That if you shall confess with thy mouth the Lord Jesus, and shall believe in your heart that God hath raised him from the dead, you shall be saved. For with the heart man believeth unto righteousness; and with the mouth confession is made unto salvation.

Pray This Simple Prayer:

God, I come to You admitting I have sinned against You and I need you to take control of my life. The Bible says anyone who calls on the name of the Lord will be saved. I am calling on You, Jesus. I ask that You come live in my heart and be the Lord over my life today. I do believe You died on the cross for me and came back to life to give me life! Thank You, Lord Jesus for a new life in You!

Now, go and tell somebody about your new life in Jesus, get a Bible, begin to read it, and go to a Bible believing church.

If you would like someone to pray with you, call Kenneth Copeland Ministries anytime at 800-600-7395.

To listen to commercial free Christian radio on the web, go to [www.887fm.org](http://www.887fm.org)

***Jesús murió por ti.***

Juan 3:16

"Porque tanto amó Dios al mundo, que dio a su Hijo unigénito, para que todo el que cree en él no se pierda, sino que tenga vida eterna."  
Romanos 3:23

"Pues todos han pecado y están privados de la gloria de Dios."  
Efesios 2:8

"Porque por gracia ustedes han sido salvados mediante la fe; esto no procede de ustedes, sino que es el regalo de Dios."  
Salmos 18:2

"El Señor es mi roca, mi amparo, mi libertador; es mi Dios, el peñasco en que me refugio. Es mi escudo, el poder que me salva, ¡mi más alto escondite!"  
Romanos 10:9-10

"9 Que si confi esas con tu boca que Jesús es el Señor, y crees en tu corazón que Dios lo levantó de entre los muertos, serás salvo. 10 Porque con el corazón se cree para ser justifi cado, pero con la boca se confi esa para ser salvo."

Ahora dí esta simple oración:

Dios, vengo a Ti y admito que he pecado contra Ti, necesito que tomes el control de mi vida. La Biblia dice que todo aquel que invoca el nombre del Señor escapará con vida. En este momento yo clamo ante Ti, Jesús; te pido que vengas a vivir en mi corazón y que tomes el control de mi vida. ¡Yo creo que tu moriste en la cruz y resucitaste para darme vida! ¡Gracias Señor Jesús, por una nueva vida que tengo en Ti! Amen.

Ahora ve y dile a alguien sobre la nueva vida que tienes en Cristo. Compra una Biblia y empieza a leerla. Busca una Iglesia que cree en la Biblia y hazte parte de esa Iglesia.

Si te gustaría orar con alguien, puedes llamar a este número 800-600-7395

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