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2021 Ford F-150 4WD 3" Suspension Lift Installation Instructions

REQUIRED TOOL LIST:

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Fastener Removal Tool
- Strut Spring Compressor
- Bench Vise
- 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.

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:

- This suspension lift is "**not**" designed to fit Regular / Standard Cab Models
- This suspension lift was developed using 275/60R20 tires with OEM 20" x 8.5" wheels. If wider tires are used, offset wheels will be required.
- 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 #: F2130PB / F2130PH / F2130PM / F2130PN

Item #	Description	Qty	Item #	Description	Qty
F920MS-1	F150 PRELOAD STRUT SPACER	2	H7060	HYDRO SHOCK-RED BOOT (Included With PH Kits)	2
F930MS-1	F150 UPPER STRUT SPACER	2	M9560	MONOTUBE SHOCK (Included With PM Kits)	2
F2130UCA-L	F150 DRV UPPER A-ARM	1	N8060	NITRO SHOCK-RED BOOT (Included With PN Kits)	2
F2130UCA-R	F150 PASS UPPER A-ARM	1			
H-BOX F2130P	HDWR BOX: F2130P	1			
B8560	BLACK MAX SHOCK-BLK BOOT (Included With PB Kits)	2			

Hardware Box Breakdown:

Part # H-BOX F2130P

Item #	Description	Qty	Item #	Description	Qty
RBF202	FLAT DUAL PIN REAR BLOCK	2	HB-916	HDWR BAG: 9/16 LOCK NUTS	1
916X325X11SPU	9/16 X 3 1/4 X 11 U-BOLT	4	I-F2130P	INST SHEET: F2130P	1
HB-10MM/NFN	HDWR BAG: 10MM FLG NUTS	1			

Hardware Bag Breakdown:

Part # HB-10MM/NFN

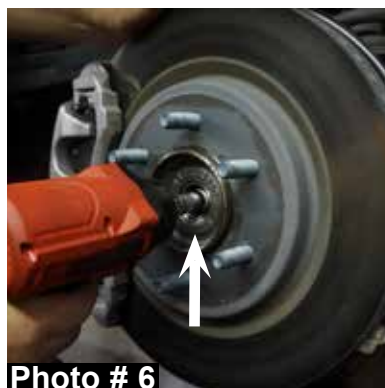
Item #	Description	Qty
10MMX1.5NFN	10MM X 1.5 NYLON FLANGE NUT	6

Part # HB-916

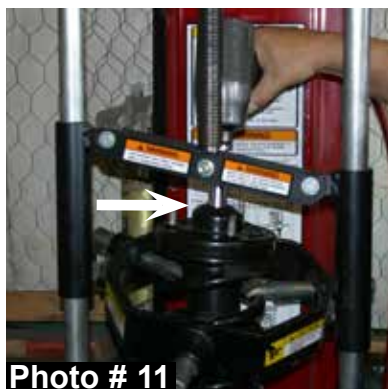
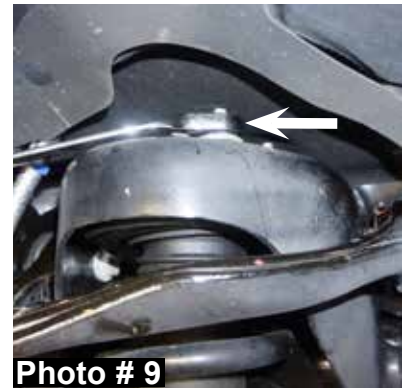
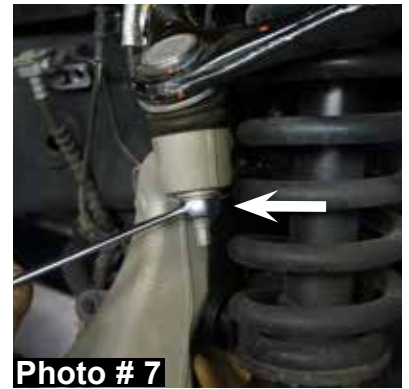
Item #	Description	Qty
916FTN	9/16 FINE THREAD LOCK NUT	8

Front Installation:

1. With the vehicle on flat level ground, set the emergency brake & block each rear tire / wheel.
2. Raise the front of the vehicle & support the vehicle securely using jack stands.
3. Remove each front tire / wheel using a 21mm socket.
4. If equipped, disconnect the OEM ball link from the OEM driver side upper A-arm using a 8mm wrench & 11mm wrench. (See Photo # 1)
5. Disconnect each OEM sway bar end link from each OEM steering knuckle using a 21mm socket / wrench. (See Photo # 2)
6. Disconnect each OEM brake line bracket from the frame & each OEM steering knuckle using a 10mm socket / wrench. (See Photo # 3)
7. Disconnect the OEM ABS & 4WD actuator lines from the frame & upper A-arm bracket using a fastener removal tool. (See Photo # 4)
8. Disconnect each OEM tie rod end from each OEM steering knuckle using a 21mm socket / wrench. (See Photo # 5) **Note:** It may be necessary to strike the OEM steering knuckles to dislodge the OEM tie rod ends. Be careful not to damage the OEM tie rod ends or OEM steering knuckles.
9. Remove each OEM cv-shaft nut cover & OEM cv-shaft nut from the center of each OEM hub assembly using a 13mm socket. (See Photo # 6)



10. Disconnect each OEM upper A-arm from each OEM steering knuckle using a 18mm socket / wrench. (See Photo # 7) **Note:** It may be necessary to strike the OEM steering knuckles to dislodge the OEM ball joints. Be careful not to damage the OEM ball joints.
11. While supporting each OEM lower A-arm, remove each OEM cv-shaft from each OEM steering knuckle & disconnect each OEM strut from each OEM lower A-arm using a 18mm socket / wrench. (See Photo # 8)
12. Remove the OEM upper strut retaining nuts from each OEM strut assembly using a 18mm socket / wrench & remove each OEM strut assembly. (See Photo # 9)
13. Remove each OEM upper A-arm using a 18mm socket / wrench & 21mm socket / wrench. (See Photo # 10)
14. For upper strut mount alignment purposes, mark the location of each OEM upper strut mount & OEM coil spring prior to disassembly.
15. Using a strut spring compressor, compress the OEM coil spring of each OEM strut assembly.
16. Remove each OEM upper strut mount using a 18mm socket, while leaving each OEM coil spring isolator in place on top of each OEM coil spring. (See Photo # 11)
17. Remove each OEM dust boot from each OEM strut mount & install each new Skyjacker preload strut spacer (Part # F920MS-1) & each OEM dust boot between each OEM strut mount & OEM coil spring isolator. (See Photos # 12 & # 13)



18. While aligning the previously made marks on the OEM upper strut mount & OEM coil spring from Step # 14, assemble each OEM strut assembly using the OEM hardware & a 18mm socket. (See Photo # 11)

19. Install each new Skyjacker upper strut spacer on top of each OEM strut assembly using the supplied 10mm flange nuts & a 15mm wrench. (See Photo # 14)

20. Place each new Skyjacker upper strut spacer / OEM strut assembly in a bench vise & rotate each lower bar pin / stud assembly the opposite direction to match the previous angle of each OEM lower A-arm. (See Photo # 15)

21. Install each new Skyjacker upper A-arm (Part # F2130UCA-L / Driver Side & F2130UCA-R / Passenger Side) using the OEM hardware, a 18mm socket / wrench, & 21mm socket / wrench. (See Photo # 16)

22. Install each new Skyjacker upper strut spacer / OEM strut assembly by aligning the new upper strut spacer studs with the OEM mounting locations using the OEM hardware & a 18mm socket / wrench. (See Photo # 17) **Note:** The new Skyjacker upper strut spacer / OEM strut assemblies will install 180 degrees from the OEM orientation.

23. Connect each OEM strut assembly to each OEM lower A-arm using the OEM hardware & a 18mm socket / wrench. (See Photo # 8)

24. While supporting each OEM lower A-arm, install each OEM cv-shaft to each OEM steering knuckle.

25. Connect each new Skyjacker upper A-arm to each OEM steering knuckle using the supplied cotter pins, nuts, & a 17mm socket / wrench. (See Photo # 18)

26. Grease each new Skyjacker upper A-arm ball joint using a grease gun.



27. Install each OEM cv-shaft nut & OEM cv-shaft nut cover to the center of each OEM hub assembly using a 13mm socket. (See Photo # 6) **Note:** Do not over tighten, torque each OEM cv-shaft nut to 30 ft/lbs.

28. Connect each OEM tie rod end to each OEM steering knuckle using the OEM hardware & a 21mm socket / wrench. (See Photo # 5)

29. Connect the OEM ABS & 4WD actuator lines from the frame & upper A-arm bracket. (See Photo # 4)

30. Connect each OEM brake line bracket to the frame & each OEM steering knuckle using the OEM hardware & a 10mm socket / wrench. (See Photo # 3)

31. Connect each OEM sway bar end link to each OEM steering knuckle using the OEM hardware & a 21mm socket / wrench. (See Photo # 2)

32. If equipped, connect the OEM ball link to the new Skyjacker driver side upper A-arm using the OEM hardware, a 8mm wrench, & 11mm wrench. (See Photo # 1)

33. Install each front tire / wheel using a 21mm socket & lower the front vehicle to the ground.



Rear Installation:

1. With the vehicle on flat level ground, set the emergency brake & block each front tire / wheel.

2. Raise the rear of the vehicle & support the vehicle securely using jack stands.

3. Remove each rear tire / wheel using a 21mm socket.

4. If equipped, disconnect the OEM ball link from the frame & OEM upper u-bolt pad using a 19mm socket / wrench. (See Photo # 15)

5. Remove each OEM rear shock using a 15mm & 18mm socket / wrench.

6. Remove each OEM rear u-bolt using a 21mm socket.

7. While checking for appropriate slack in ABS lines, brake lines, differential breather hose, & etc. Lower the rear differential & install each new Skyjacker rear lift block below each OEM rear block.

8. Raise the rear differential & install each new Skyjacker rear u-bolt using the supplied 9/16" nuts & a 7/8" socket / wrench. (See Photo # 16)

9. Install each new Skyjacker rear shock using the supplied hardware, OEM hardware, a 15mm socket / wrench, & 18mm socket / wrench. (See Photo # 17)

10. If equipped, connect the OEM ball link to the frame & OEM upper u-bolt pad using the OEM hardware & a 19mm socket / wrench. (See Photo # 15)

11. Install each rear tire / wheel using a 21mm socket & lower the rear of the vehicle to the ground.



Final Notes:

- After the installation is complete, double check that all nuts & bolts are tightened following chart for the proper torque specifications. (Do not retighten the nuts & 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.

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 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 Forgives,
Rocks Don't**

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.

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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 justificado, 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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