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## 2021 Ford Bronco 4WD 2" Suspension Lift (For Models WITH Bilstein Struts) Installation Instructions

### Required Tools List:

- **Metric Sockets \ Wrenches**  
(7mm, 8mm, 10mm, 15mm, 18mm, 19mm, 21mm, 27mm & 36mm Axle Nut Socket)
- **Coil Spring Compressor**
- **Safety Glasses**
- **Jack Stands**
- **Measuring Tape**
- **Pliers**
- **Center Punch**
- **Torque Wrench**
- **Floor Jack**
- **Wheel Chock**
- **Paint Marker**
- **Phillips Screwdriver**
- **Ball Peen Hammer**
- **Crescent Wrench**



Before beginning installation, read these instructions & enclosed driver's WARNING NOTICE thoroughly & completely. Also affix WARNING decal in passenger compartment in clear view of all occupants. Please refer to Parts List to insure that all parts & hardware are received prior to disassembly of vehicle. If any parts are found to be missing, contact SKYJACKER® Customer Service at 318-388-0816 to obtain 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 vehicle on a level concrete or asphalt surface. Many times a vehicle is not level (side-to-side) from factory, but is usually not noticed until a lift kit has been installed which makes difference more visible. Using a measuring tape, measure front & rear (both sides) from ground up to center of fender opening above axle. Record this information below for future reference.

Driver Side Front: _____ / _____ BEFORE / AFTER	Passenger Side Front: _____ / _____ BEFORE / AFTER
Driver Side Rear: _____ / _____ BEFORE / AFTER	Passenger Side Rear: _____ / _____ BEFORE / AFTER

### Important Notes:

- If Larger Tires (10% More Than OEM Diameter) Are Installed, Speedometer Recalibration Will Be Necessary. Contact Your Local Ford Dealer or an Authorized Skyjacker® Dealer for Details.
- After Installation, a Qualified Alignment Facility Is Required to Align Vehicle to OEM Specifications.
- Does NOT Fit Bronco Sport.
- Does NOT Fit Bronco Raptor.
- ONLY Fits Models Equipped with Bilstein Struts \ Sasquatch Package.

## Component Box Breakdown:

### Part # FB2120MSPB

Item #	Description	Qty
FB2120FMS-1	FRONT ALUM. SPACER, UPPER	2
FB2120FMS-2	FRONT METAL SPACER, UPPER	2
FB2115RMS-S	REAR STRUT SPACER	2
HB-FB2120FMS	HDWR BAG: FRONT SPACER	1
HB-10MM/NFN	HDWR BAG: 10MM FLANGE NUTS	1
I-FB2120MSPB	INST SHEET: FB2120MSPB	1

## Hardware Bag Breakdown:

### Part # HB-10MM/NFN

Item #	Description	Qty
10MMX1.5NFN	10MM X 1.5 N/I FLANGE NUT	6

### Part # HB-FB2120FMS

Item #	Description	Qty
10MMX60MMB	10MM X 60MM METRIC BOLT	6
10MMX1.5NFN	10MM X 1.5 N/I FLANGE NUT	6

## FRONT Installation:

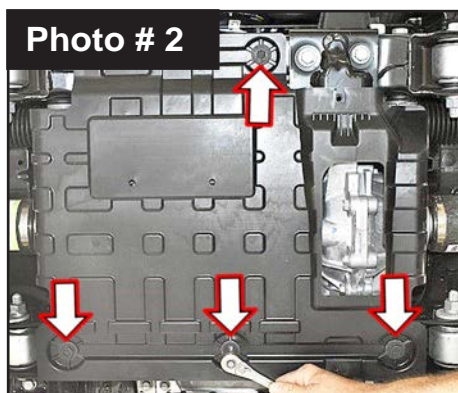
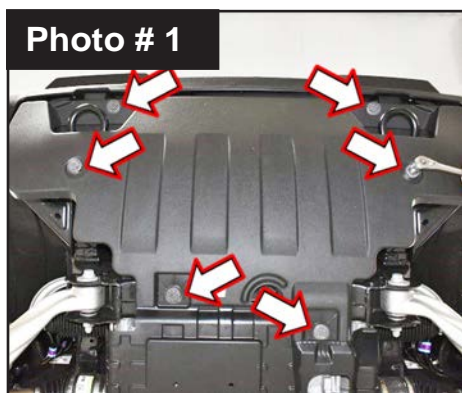
**Note:** Save all factory components & hardware for reuse, unless noted.

1. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual.
2. Raise front of vehicle, support frame rails & front differential using jack stands.
3. Remove front tires\wheels using a 19mm socket.

Note: Disconnect Electronic Power Assist Steering (EPAS) connectors at the rack & pinion. The sudden jar of a hammer blow or impact wrench to other suspension components could cause the contacts of the EPAS internal power relay to arch or short out.

Note: The bumper-to-front skid plate vary depending on Bronco series and\or packages (i.e. Base, Badlands, Wildtrak, Mid Package, High Package, Sasquatch™ etc.). This removal is example, but it can vary.

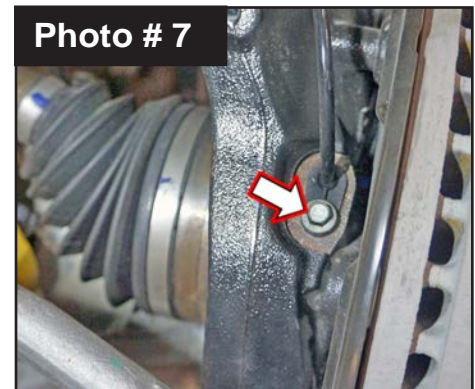
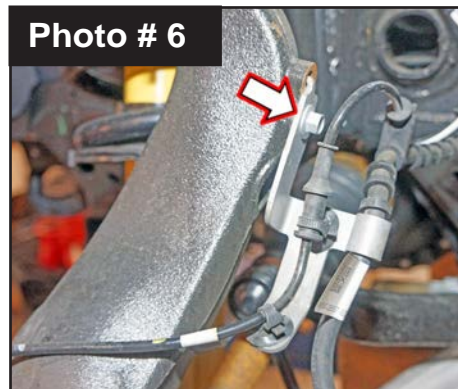
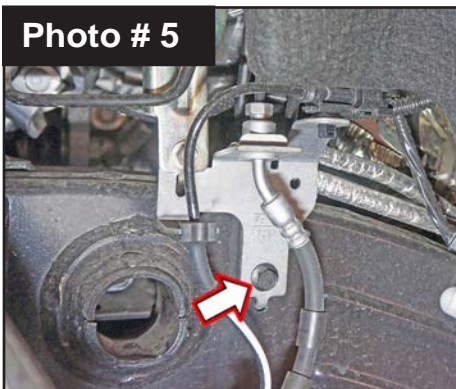
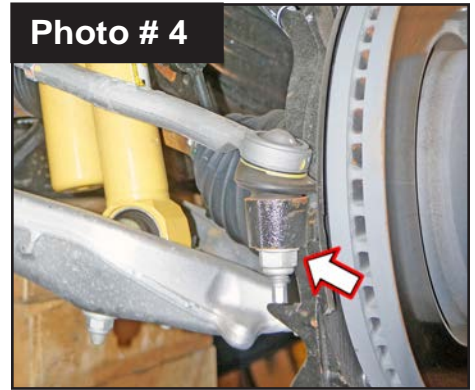
4. Remove OEM front skid plate by removing six (6) bolts using a 15mm socket\wrench. (See Photo # 1)
5. Remove OEM lower skid plate by removing four (4) bolts using a 15mm socket\wrench. (See Photo # 2)
6. Disconnect three (3) EPAS plugs on the steering assembly next to rack & pinion. (See Photo # 3) **Tech Note:** Red safety lock clip must be slid rearward to unlock. Press & hold rearward tang down, grab connector & pull away while from plug-in.



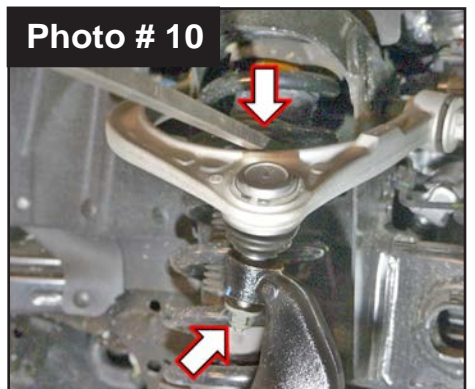
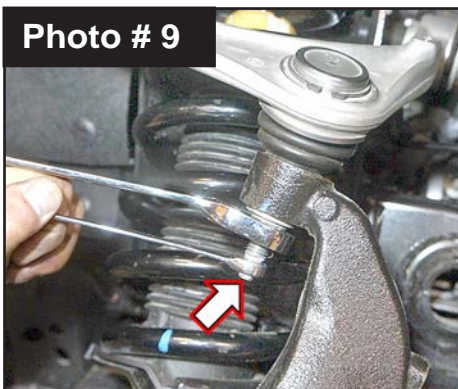


**NOTE:** Perform Steps 7-34 on One Side at a Time. Complete Steps 7-34 on One Side, THEN Go to Opposite Side & Repeat Same Steps.

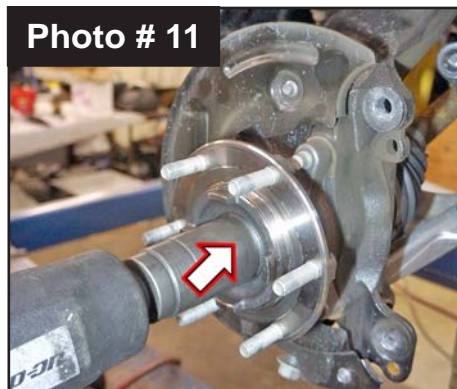
7. Loosen, but do not remove OEM tie rod nut from OEM knuckle using a 21mm socket \ wrench. (See Photo # 4) To unseat tie rod taper, strike tie rod boss of knuckle at tie rod end to dislodge. **Note:** ONLY strike knuckle portion only. Remove nut & remove tie rod end from knuckle.
8. Disconnect ABS sensor \ brake line bracket from OEM frame mount using a 10mm socket \ wrench. (See Photo # 5)
9. Disconnect ABS sensor \ brake line bracket from rearward side of OEM knuckle using a 10mm socket \ wrench. (See Photo # 6)
10. Disconnect ABS sensor bracket from outside of OEM knuckle at front using a 8mm socket \ wrench. (See Photo # 7)



11. Disconnect OEM sway bar end link from OEM lower control arm by removing nut using a 21mm socket \ wrench. (See Photo # 8)
12. Loosen, but do not remove upper OEM ball joint nut from OEM knuckle using an 8mm wrench & a 21mm wrench. (See Photo # 9) To unseat upper OEM ball joint taper, strike ball joint boss of knuckle to dislodge. **Note:** ONLY strike knuckle portion only.
13. Remove upper OEM ball joint nut & remove ball joint from knuckle. (See Photo # 10)  
**Tech Note:** You may need to pry upper control arm down to disconnect ball joint.



14. Remove CV axle nut using a 36mm socket \ wrench. (See Photo # 11)



15. Remove CV axle from knuckle.

**Tech Note:** You may need a punch & hammer to dislodge CV shaft from hub. (See Photo # 12)



**CAUTION:** Be careful not to hit or damage CV shaft threads.

16. Ease knuckle to rest back away from front strut. **CAUTION:** Do not let knuckle fall to side abruptly. It could cause damage to brake lines or pull CV axle shaft out.

**Note:** Do Not Overextend CV Axle Shaft.

**Tech Note:** Use a bungee or ratchet strap to secure knuckle assembly from overextending.

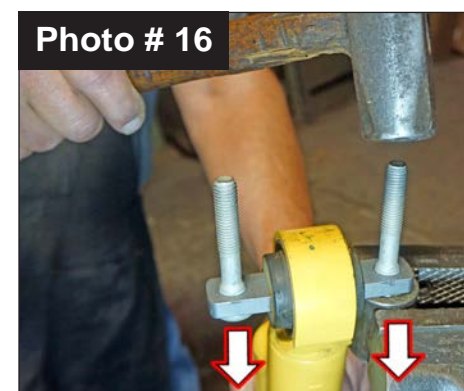
17. Disconnect three (3) OEM upper strut mounting nuts from frame mount using a 15mm socket \ wrench. (See Photo # 13) **Note:** Do NOT remove center strut rod nut.

18. Disconnect two (2) OEM lower strut mounting nuts from lower control arm mount using a 18mm socket \ wrench. (See Photo # 14) Remove OEM strut assembly.

19. Remove alignment roll pin from top of OEM strut assembly using pliers or vice grips. (See Photo # 15)



20. **Note:** For added clearance & an easier installation of completed OEM strut & installed spacer, remove OEM strut bar pin studs. Place lower bar pin of OEM strut assembly in a vise. Carefully knock out bar pin studs using a ball peen hammer. **CAUTION:** Do not damage studs' threads or splines. Retain studs for reassembly. (See Photo # 16)





21. **Note:** For proper reassembly realignment, mark top hat upper strut mounting isolator, rubber isolator & coil spring at top of strut.

Compress coil spring on strut assembly using a suitable coil spring compressor & remove upper strut isolator nut using a 18mm socket \ wrench. (See Photo # 17 & # 18)  
Remove compressed coil spring assembly from strut.

22. Remove rubber coil spring isolator from top hat upper strut mounting isolator. (See Photo # 19)



23. Place top hat upper strut mounting isolator in a vise. Carefully knock out three (3) pressed in studs using a ball peen hammer. (See Photo # 20)

24. Install three (3) supplied 10mm x 60mm bolts in through bottom of the Skyjacker #FB2120FMS-1 Aluminum Spacer making sure the hex heads of the bolts recess into the head lock position.

Assemble strut assembly in this order: coil spring, rubber isolator, Skyjacker Aluminum Spacer & top hat upper strut mounting isolator. **Note:** Make sure your 'marks' align on the reassembly. (See Photo # 21)

25. Compress the coil spring on the strut assembly & install the OEM top hat upper strut mounting isolator nut using a 18mm socket \ wrench. **Note:** Make sure that your 'marks' align & that the components are seated correctly into the strut assembly alignment spiral. (See Photo # 22)



26. Place Skyjacker  
#FB2120FMS-2 upper  
Aluminum spacer on top of  
Skyjacker\OEM strut  
assembly. (See Photo # 23)



27. Install Skyjacker\OEM strut  
assembly into upper strut  
mount at frame mount using  
supplied 10mm Nylon Insert  
Flange Nuts & a 15mm  
socket\wrench. (See Photo # 24) Torque 45 ft-lb.



28. Install Skyjacker\OEM strut assembly to lower control arm  
mount with factory bar pin studs & factory nuts using a 18mm  
socket\wrench. (See Photo # 25) Torque 75 ft-lb.

**Note:** To properly seat stud splines into bar pin, it may be  
necessary to strike factory studs using a punch & hammer.

**Tech Note:** You may need a crescent wrench or suitable tool  
to help align\roll strut studs into position.

29. Guide CV axle through OEM knuckle\hub assembly. (See  
Photo # 26) **Note:** While connecting upper ball joint, be sure  
CV shaft aligns properly into hub.



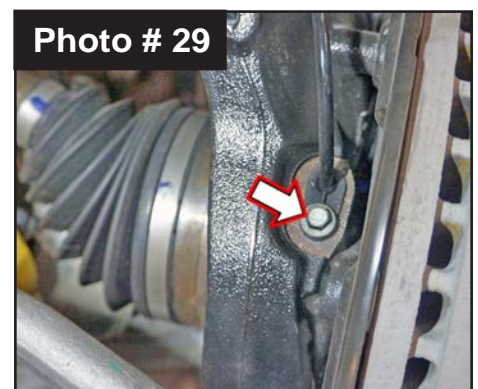
Connect upper OEM ball joint nut to OEM knuckle using an 8mm wrench & a 21mm wrench.  
(See Photo # 27) Torque 46 ft-lb. Install cotter pin.

30. Install CV axle nut using a 36mm socket\wrench. (See Photo # 28) Torque 221 ft-lb.



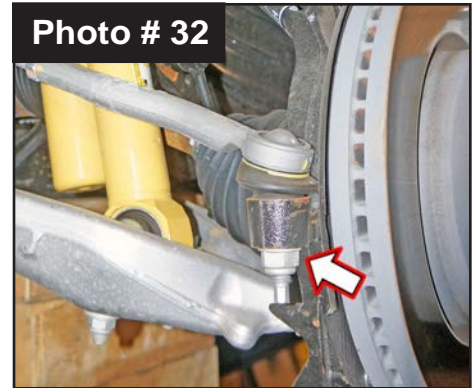
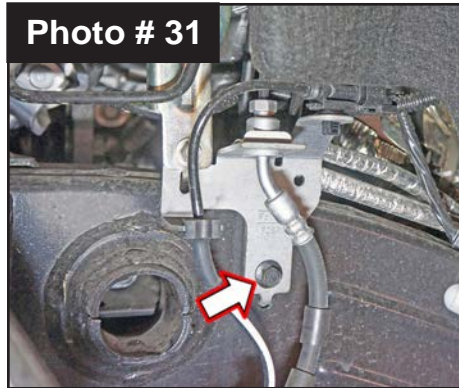
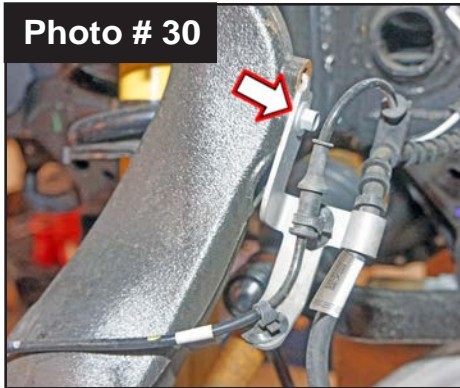
31. Connect ABS sensor bracket to outside of OEM knuckle at  
front using a 8mm socket\wrench. (See Photo # 29)

**Note:** Make sure knuckle area & sensor are clean from any  
dirt & debris. Any debris on the sensor may cause ABS  
system to work improperly causing dash warning lights &  
unruly handling. Torque 96 in-lb.





32. Connect ABS sensor \ brake line bracket to rearward side of OEM knuckle using a 10mm socket \ wrench. (See Photo # 30) Torque 159 in-lb.
33. Connect ABS sensor \ brake line bracket to OEM frame mount using a 10mm socket \ wrench. (See Photo # 31) Torque 159 in-lb.
34. Connect OEM tie rod to OEM knuckle using a 21mm socket \ wrench. (See Photo # 32) Torque 46 ft-lb. **Tech Note:** Make sure tie rod end jam nut is tight. (See Photo # 32)



**NOTE:** Perform Steps 7-34 on Opposite Side At This Time.

35. Connect three (3) Electronic Power Assist Steering (EPAS) plugs to steering assembly by front differential. (See Photo # 33) **Note:** Pull out on connector to verify that it is securely plugged in properly.
36. Connect OEM lower skid plate with factory bolts using 15mm socket \ wrench. (See Photo # 1 & # 2)
37. Install front tires \ wheels using a 19mm socket. Lower vehicle to ground.



### **Final Front Steps:**

1. Start vehicle. Make sure there are no dash lights pertaining to suspension.
2. Jounce vehicle a couple of times. This will help suspension settle to new ride height.

Connect OEM sway bar end link to OEM knuckle. Torque OEM sway bar end link to OEM lower control arm using a 21mm socket \ wrench. (See Photo # 34) Torque 111 ft-lbs.



## **REAR Installation:**

**Note:** Save all factory components & hardware for reuse, unless noted.

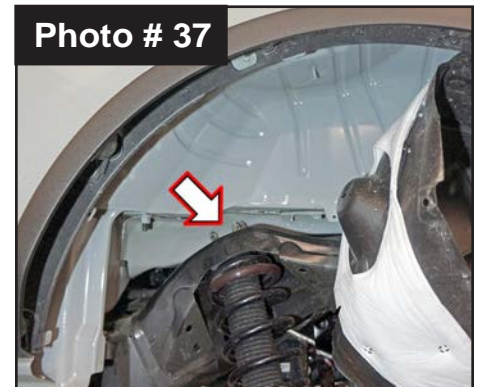
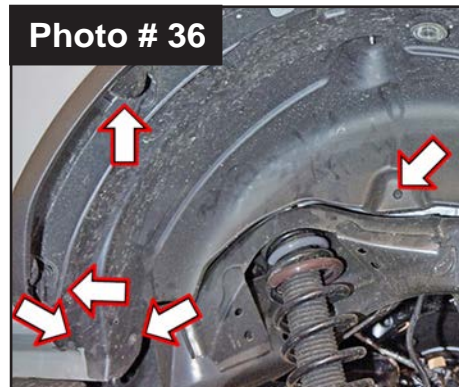
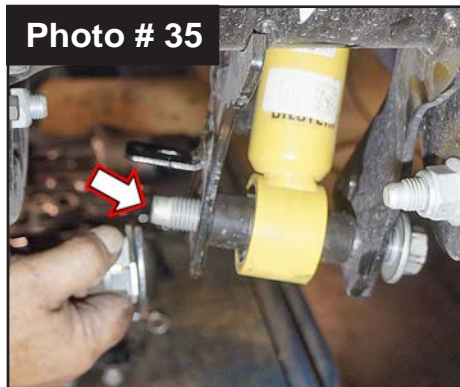
1. Chock front tires\wheels. Raise rear of vehicle & support frame rails using jack stands at indicated lift points in OEM service manual.
2. Remove rear tires\wheels using a 19mm socket.
3. Support rear axle using a hydraulic jack. Allow ample room to lower rear axle.

**NOTE:** Perform Steps 4-13 on One Side at a Time. Complete Steps 4-13 on One Side, THEN Go to Opposite Side & Repeat Same Steps.

4. Disconnect OEM lower strut mounting bolt & nut using a 27mm|1-1/16" socket\wrench. (See Photo # 35)

**NOTE:** To make it easier to access OEM upper strut mount, you can remove or disconnect factory inner fender. Loosen as few or as many of the screws & screw push clips you desire using a Phillips screwdriver & 7mm socket\wrench.

5. Disconnect OEM inner fender screws & screw push clips to access OEM upper strut mount. (See Photo # 36 & # 37)



6. Disconnect three (3) OEM upper strut mounting nuts from frame mount using a 15mm socket\wrench. (See Photo # 38)

**Note:** Do NOT remove center strut rod nut.

Remove OEM strut assembly.



7. Remove alignment roll pin from top of OEM strut assembly using pliers or vise grips. (See Photo # 39)



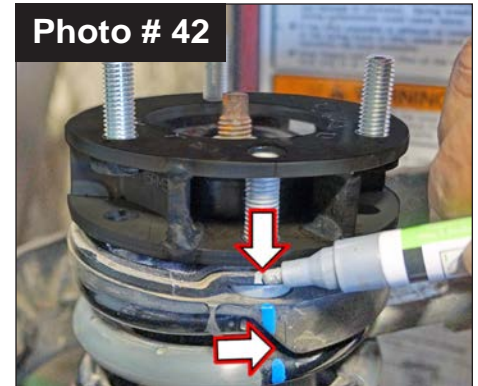
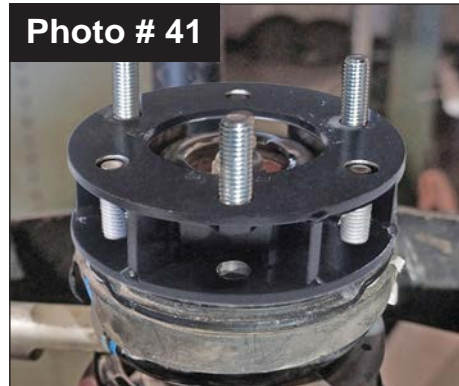
8. The OEM top hat upper strut mounting isolator, rubber isolator & coil spring at top of strut has to be rotated for proper fitment of Skyjacker # FB2115RMS-S Rear Strut Spacer. To determine the proper rotation, follow these steps.

Place OEM strut assembly into a suitable coil spring compressor. Secure assembly in place. (See Photo # 40)

Place Skyjacker # FB2115RMS-S Rear Strut Spacer on top of OEM strut assembly. (See Photo # 41)

First, mark alignment of OEM rubber isolator & coil spring at top of strut. (See Photo # 42)

Next, mark alignment of OEM top hat upper strut mounting isolator at OEM stud. (See Photo # 42)



9. Move around strut assembly (approximately 1/4 turn) & mark alignment of first hole \ stud in Skyjacker Spacer with top hat upper strut mounting isolator & rubber isolator at top of OEM strut. (See Photo # 43) Remove Skyjacker Spacer.

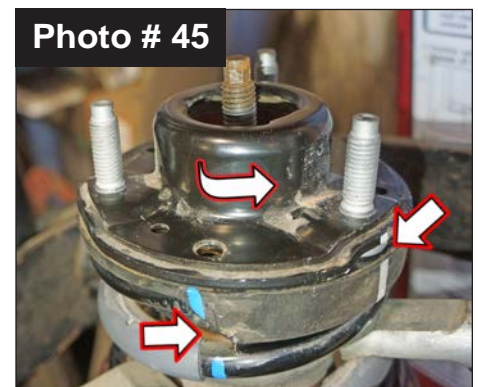
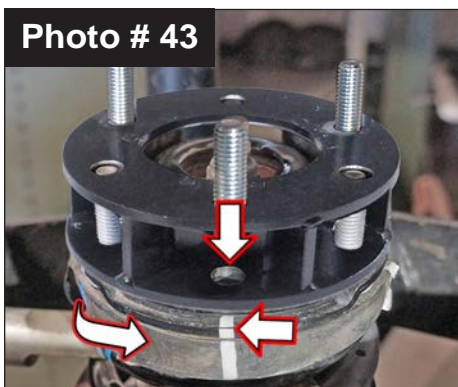
Compress coil spring on strut assembly using a suitable coil spring compressor & remove upper strut isolator nut using a 18mm socket \ wrench.

Remove compressed coil spring assembly from strut.

Remove top hat upper strut mounting isolator & rubber coil spring isolator.

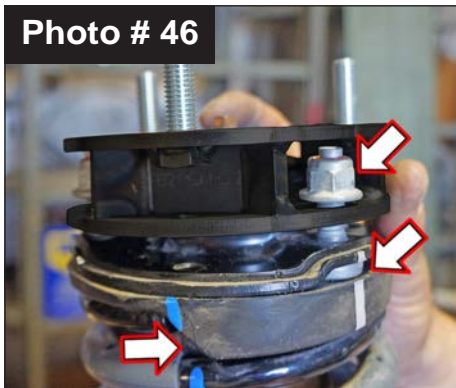
Separate rubber coil spring isolator from top hat upper strut mounting isolator. (See Photo # 44) Rotate top hat & isolator to align your marks. (See Photo # 45)

Compress coil spring on strut assembly & install rotated top hat \ isolator OEM nut using a 18mm socket \ wrench. **Note:** Make sure that your 'marks' align & that components are seated correctly into strut assembly alignment spiral. (See Photo # 45)



10. Install Skyjacker strut spacer to top of OEM strut assembly with OEM nuts hardware using a 15mm socket \wrench. (See Photo # 46) **Tech Note:** Start each of three (3) nuts before you begin final tightening sequence. Torque 45 ft-lb.
11. Install Skyjacker \OEM strut assembly to upper strut mount at frame mount with supplied 10mm Nylon Insert Flange Nuts using a 15mm socket \wrench. (See Photo # 47) Torque 45 ft-lb.
12. Install Skyjacker \OEM strut assembly to lower OEM mount with factory bolt & nut using a 27mm | 1-1/16" socket \wrench. (See Photo # 48)

Secure, but **Do Not Completely Tighten** at this time. To set properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires \wheels.



13. Install removed factory screws & screw push clips back into OEM inner fender using a Phillips screwdriver & 7mm socket \wrench. (See Photo # 36 & # 37) Torque 18 in-lb.

**NOTE:** Perform Steps 4-13 on Opposite Side at this Time.

14. Install rear tires \wheels using a 19mm socket. Lower vehicle to ground. Torque lugs to OEM service manual specifications.

### **Final Rear Step:**

1. Jounce vehicle a couple of times. This will help suspension settle to new ride height.  
Torque lower strut OEM mount using a 27mm | 1-1/16" socket \wrench. (See Photo # 48)  
Torque 350 ft-lb.



### **Final Notes:**

- After installation is complete, double check that all nuts & bolts are tight. Refer to following chart for proper torque specifications. (**Note:** Do not retighten nuts & bolts where thread lock compound was used.)
- With vehicle placed on ground, cycle steering lock to lock & inspect steering, suspension, brake lines, front & rear drivelines, fuel lines & wiring harnesses for proper operation, tightness & adequate clearance.
- Have headlights readjusted to proper settings.
- Have a qualified alignment center align vehicle to OEM specifications.
- After first 100 miles, check all hardware for proper torque & periodically thereafter.

TORQUE SPECIFICATIONS					
INCH SYSTEM			METRIC SYSTEM		
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 8.8	Class 10.9
5/16	180 in-lbs	240 in-lbs	6MM	60 in-lbs	108 in-lbs
3/8	30 ft-lbs	35 ft-lbs	8MM	216 in-lbs	23 ft-lbs
7/16	45 ft-lbs	60 ft-lbs	10MM	32 ft-lbs	45 ft-lbs
1/2	65 ft-lbs	90 ft-lbs	12MM	55 ft-lbs	75 ft-lbs
9/16	95 ft-lbs	130 ft-lbs	14MM	85 ft-lbs	120 ft-lbs
5/8	135 ft-lbs	175 ft-lbs	16MM	130 ft-lbs	165 ft-lbs
3/4	185 ft-lbs	280 ft-lb s	18MM	170 ft-lbs	240 ft-lbs
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.**

### **Accessory for 2021-2022 Ford Bronco 4WD**

#### **Rear Shock Lower Skid Plates**

**Part # FB21RSS**





**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.

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 justificado, pero con la boca se confiesa 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

Puedes ir a este sitio de Internet para escuchar música Cristiana sin anuncios, [www.887fm.org](http://www.887fm.org)

**Check out our favorite ministries at:**



[www.innministries.org](http://www.innministries.org)  
[www.familychurch.org](http://www.familychurch.org)  
[www.kcm.org](http://www.kcm.org)