

Required Tools List:

- SAE Sockets \ Wrenches
(5/16", 9/16" & 5/8")
- Metric Hex Key & Sockets \ Wrenches
(6mm Hex Key, 8mm, 10mm, 13mm, 16mm,
18mm, 21mm & 22mm)
- 5/16" & 7/16" Drill Bits
- Plastic Fastener Clip Removal Tool
- Drill
- Center Punch
- Hammer
- Safety Glasses
- Jack Stands
- Wheel Chock
- Floor Jack
- Paint Marker
- Measuring Tape
- Torque 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.

Please Record Important Measurement Information Below for Reference.

It Is Very Helpful on Determining an Accurate Achieved Lift Height Measurement.

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.

Driver Side Front: _____ / _____
BEFORE / AFTER

Passenger Side Front: _____ / _____
BEFORE / AFTER

Driver Side Rear: _____ / _____
BEFORE / AFTER

Passenger Side Rear: _____ / _____
BEFORE / AFTER

Important Notes:

- Does NOT Fit Jeep Gladiator JT.
- If Larger Tires (10% More Than OEM Diameter) Are Installed, Speedometer Recalibration Will Be Necessary. Contact Your Local JEEP Dealer or an Authorized Skyjacker® Dealer for Details.
- After Installation, a Qualified Alignment Facility Is Required to Align Vehicle to OEM Specifications.

- In Event that a Different Coil Spring Rate Option Is Needed Due to Custom Modifications, Extra Weight, Etc, Please Contact SKYJACKER® Technical Assistance at 318-388-0816.
- Adjustable Rear Lower Control Arms Are **Required**. # JLL24R-SX Includes Johnny Joints.
- Adjustable Rear Upper Control Arms Are **Recommended**. # JLULR26-SX Includes Johnny Joints.
- A Replacement Dual Cardan CV Style Front Driveshaft is **Required** for 2-Door Models. **Recommended** for 4-Door Models.
- Wheel Back Spacing of 4.5" Or Less Is **Recommended**.

2018-2023 Jeep JL Optional Coil-Over Up-Grades



**Front Air Bump Stop Kit
Part # JLLSAB**



**LeDuc Series Front Coil-Over Kit
3.5" - 6" Lift Coil-Over - Part # JL36FLS
3.5" - 6" Lift Brackets - Part # JL36FLSB**



Adjustable Front Track Bar - Part # JLFTBA18



Adjustable Rear Track Bar - Part # JLRTBA18

Component Box Breakdown:**Part # JL36RLS**

| Item # | Description | Qty |
|------------|----------------------------------|-----|
| SKY2031-PR | COILOVER SHOCK, PAIR, L & R | 1 |
| 2.5X12X200 | SPRING, 2.5 ID \ 12 H \ 200 RATE | 2 |
| 2.5X14X250 | SPRING, 2.5 ID \ 14 H \ 250 RATE | 2 |
| LSCOWRH-S | SPANNER WRENCH, COILOVER | 1 |

Part # JL36RLSB

| Item # | Description | Qty |
|-------------|-------------------------------|-----|
| JLLSBORDU-B | SHOCK BRKT, RR DR UPPER BRKT | 1 |
| JLLSBORDL-1 | SHOCK BRKT, RR DR LOWER INNER | 1 |
| JLLSBORDL-2 | SHOCK BRKT, RR DR LOWER OUTER | 1 |
| JLLSBORPU-B | SHOCK BRKT, RR PA UPPER BRKT | 1 |
| JLLSBORPL-1 | SHOCK BRKT, RR PA LOWER INNER | 1 |
| JLLSBORPL-2 | SHOCK BRKT, RR PA LOWER OUTER | 1 |
| JKLSBORRD-B | REMOTE RESERVOIR BRKT, DR | 1 |
| JKLSBORRP-B | REMOTE RESERVOIR BRKT, PA | 1 |
| HB-JLLSBORL | HDWR BAG: RR SHOCK LOWER BRKT | 1 |
| HB-JLLSBORU | HDWR BAG: RR SHOCK UPPER BRKT | 1 |

Hardware Bag Breakdown:**Part # HB-JLLSBORL**

| Item # | Description | Qty |
|------------|-------------------------------|-----|
| 12SAEW | 1/2 SAE WASHER | 4 |
| 14X120MMB | 14MM X 120MM - 2.0 TP BOLT | 2 |
| 14MMN | 14MM NYLON INSERT LOCK NUT | 2 |
| 716X114FTB | 7/16 X 1-1/4 FINE THREAD BOLT | 2 |
| 716SAEW | 7/16 SAE WASHER | 4 |
| 716FTN | 7/16 FINE THREAD N/I LOCK NUT | 2 |
| 916SAEW | 9/16 SAE WASHER | 4 |

Part # HB-JLLSBORU

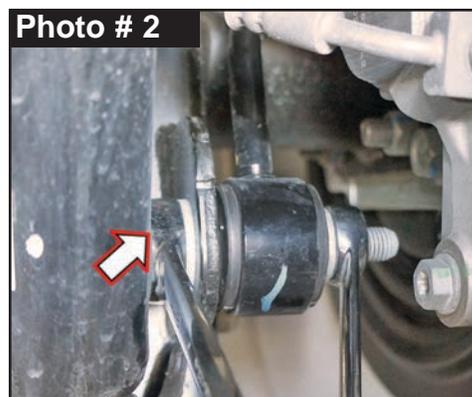
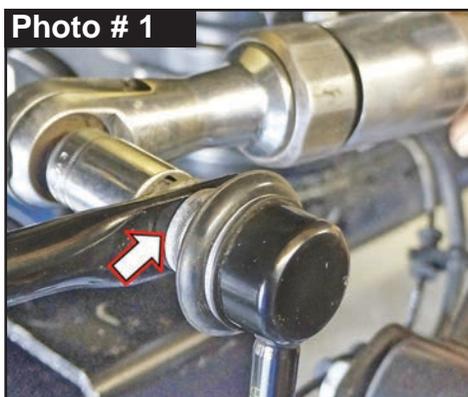
| Item # | Description | Qty |
|----------|------------------------------|-----|
| CS1495 | CRUSH SLEEVE / 1.495 LENGTH | 2 |
| 38X1TCFB | 3/8 X 1 THRD-CUTTER FLG BOLT | 16 |

ATTENTION: Parts Shown in Bronze are for Picture Clarification Only. Skyjacker Coil Springs & Metal Brackets Are Powder Coated Black.

Rear Installation: Note: Save all factory components and hardware for reuse, unless noted.

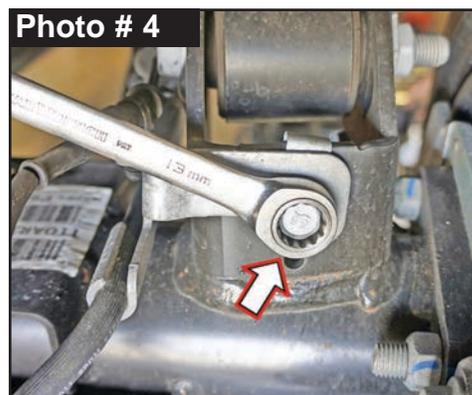
1. Chock front tires \ wheels. Raise rear of vehicle & support frame rails using jack stands at indicated lift points in OEM service manual. **Tech Note:** OEM rear lower control arms will need to move freely during this installation.
2. Remove rear tires \ wheels using a 22mm socket.

3. Remove OEM rear sway bar end links using a 6mm hex key socket \ wrench & 18mm socket \ wrench. (Photo # 1 & # 2)

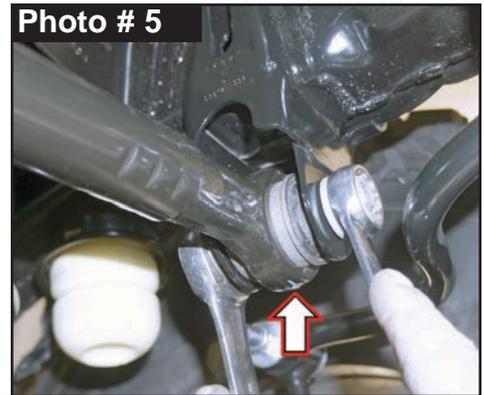


4. Disconnect OEM rear brake line bracket from frame using a 10mm socket \ wrench. (Photo # 3)

Disconnect OEM rear brake line bracket from rear axle at upper control arm mount on each side using a 13mm socket \ wrench. (Photo # 4)



5. Disconnect OEM rear track bar from passenger side upper frame mount using a 21mm socket \ wrench. (Photo # 5)

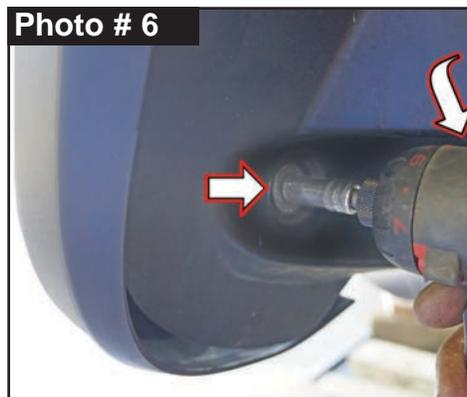


6. **RUBICON Models:** Rear locker must be disconnected so wiring connectors are not over-extended. On rear axle, unplug locker wiring harness from side of center differential housing.

Follow wiring harness up & unclip wiring harness clamps from emergency brake cable.

Continue up wiring harness & unclip two (2) wiring harness clips from driver side inner frame rail above axle using a plastic fastener clip removal tool.

7. In order to gain access to OEM rear upper shock mounting bolts, remove three (3) OEM bolts rear bumper inner fender liner using a 8mm socket \ wrench. (Photo # 6) Retain hardware.



Remove OEM rear shocks using a 18mm socket \ wrench. (Photo # 7)



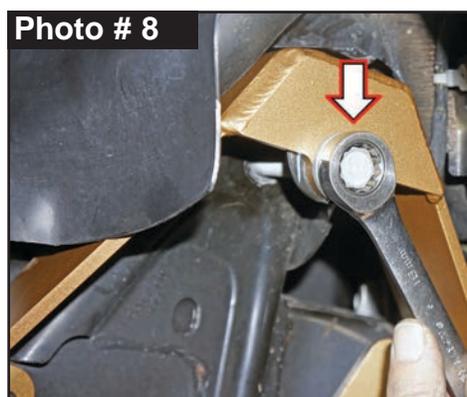
Note: OEM upper shock mount has nut attached to shock mount.

8. While checking for appropriate slack in electric locker lines, ABS lines, brake lines, differential vent hose & etc. Lower rear axle enough to remove OEM rear coil springs & rubber isolators.

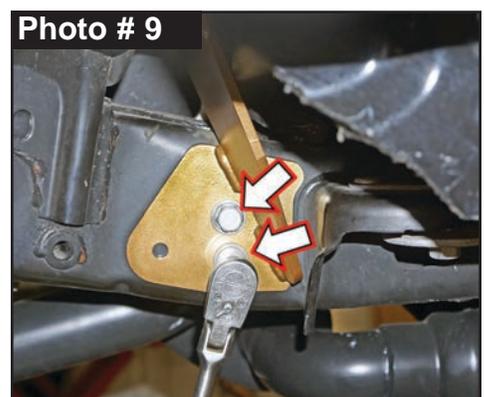
Note: Perform Steps 9-21 on One Side at a Time.

9. Skyjacker Upper Shock Brackets Are Side Specific:
JLLSBORDU-B Driver Side & # JLLSBORPU-B Passenger Side

Remove two (2) OEM bolts from frame rail (toward body mount) using a 16mm socket \ wrench. (Photos # 8)



Attach appropriate Skyjacker Upper Shock Bracket to upper OEM shock bracket \ frame mount with OEM hardware using a 18mm socket \ wrench.



(Photos # 8) Secure, but **Do Not Completely Tighten** at this time.

Attach Skyjacker Bracket to OEM holes in frame mount with OEM hardware using a 16mm socket \ wrench. (Photos # 9) Secure, but **Do Not Completely Tighten** at this time.

10. Use Skyjacker Bracket as a guide for remaining six (6) mounting holes to OEM frame.

Mark & center punch each mounting hole.

(Photos # 10 & # 12)

Drill out each mounting hole with a 5/16" drill bit.

(Photo # 11) **Note:** Prior to drilling, check behind surface area being worked on for any wires, brake lines, fuel lines, hoses, etc that could be damaged.

11. Attach six (6) Skyjacker Bracket to drilled mounting holes with supplied 3/8" x 1" Thread Cutter Flange Bolts using a 9/16" socket \ wrench.

(Photo # 12) Torque 30 ft-lbs.

12. Disconnect rear Lower Control Arm (LCA) from rear axle mount using a 21mm socket \ wrench. (Photo # 13)

Disconnect Skyjacker Rear Sway Bar lower end link using a 18mm socket \ wrench. (Photo # 14)

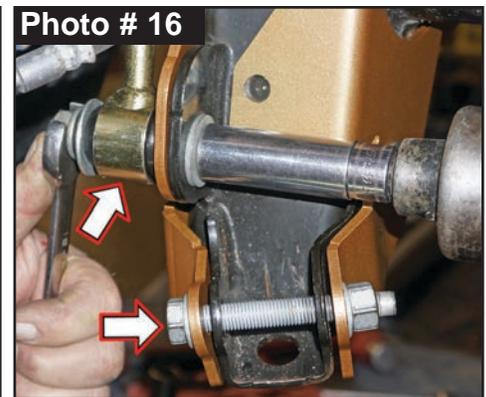
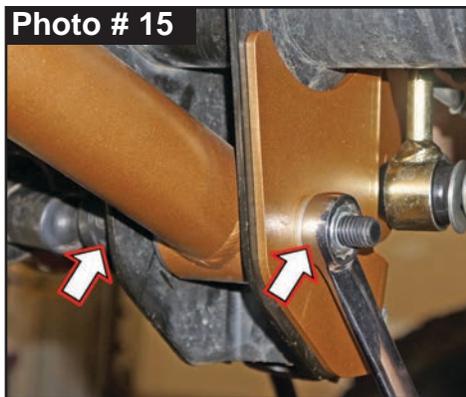
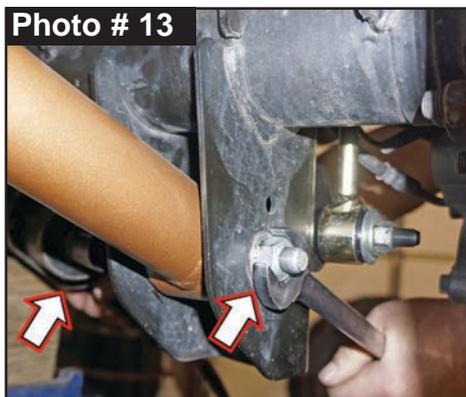
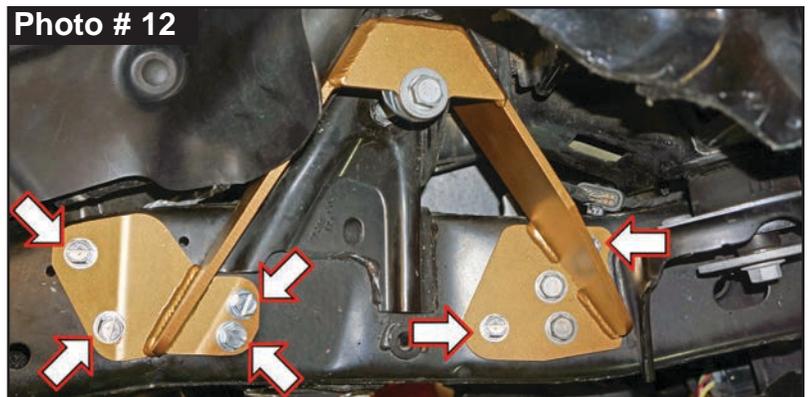
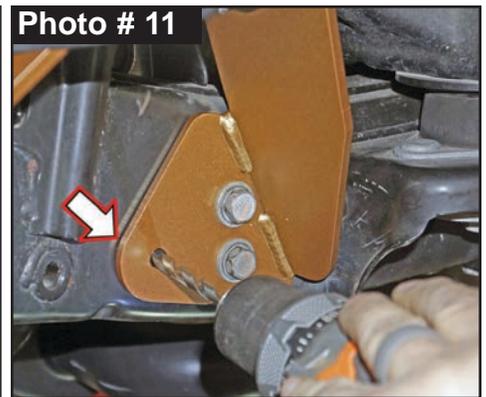
13. Skyjacker Lower Shock Brackets Are Side Specific & Position Specific:

JLLSBORDL-2 Driver Side Outer & # JLLSBORPL-2 Passenger Side Outer

JLLSBORDL-1 Driver Side Inner & # JLLSBORPL-1 Passenger Side Inner

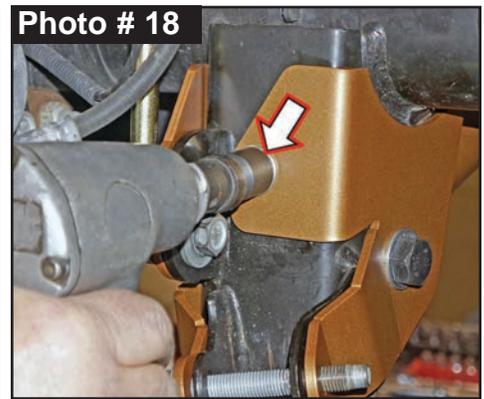
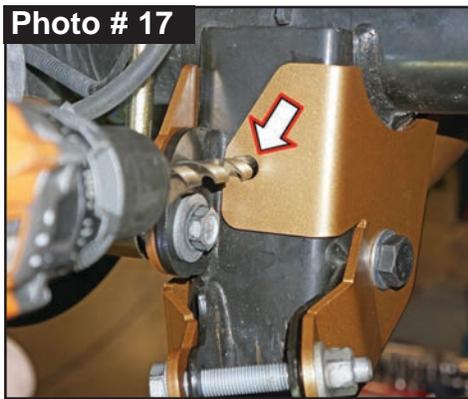
Attach appropriate Skyjacker brackets to OEM LCA mount. Insert supplied 14mm x 120mm Bolt with 9/16" SAE Washer through Skyjacker bracket \ OEM mount & LCA from inside-to-outside. Attach with 9/16" SAE Washer & 14mm Nylon Insert Lock Nut on outside using a using a 22mm socket \ wrench. (Photo # 15) Secure, but **Do Not Completely Tighten** at this time.

Insert OEM rear shock bolt through Skyjacker bracket \ OEM shock mount using a 18mm socket \ wrench. (Photo # 16) Attach Skyjacker Rear Sway Bar lower end link to Skyjacker bracket \ OEM mount using a 18mm socket \ wrench. Secure, but **Do Not Completely Tighten**.



14. Use Skyjacker Bracket as a guide for one (1) mounting hole to OEM shock bracket.

Mark & center punch mounting hole. Drill out mounting hole with a 7/16" drill bit. (Photo # 17)



15. Attach Skyjacker Bracket to drilled mounting hole with supplied 7/16" x 1-1/4" Bolt with 7/16" SAE Washer through Skyjacker bracket \ OEM shock mount from outside-to-inside. Attach with 7/16" SAE Washer & 7/16" Nylon Insert Lock Nut on outside using a using a 5/8" socket \ wrench. (Photo # 18) Torque 60 ft-lbs.

16. Remove OEM hardware from Skyjacker Upper Shock Bracket using a 18mm socket \wrench.

Skyjacker Rear Coilover Shocks Are Not Side Specific.

Tech Note: Coilover Shock Fitting, Reservoir Hose & Remote Reservoir Must Point Toward Rear of Vehicle.

Install Skyjacker Coilover Shock with one (1) supplied Shock Spacer on each side of upper shock mount.

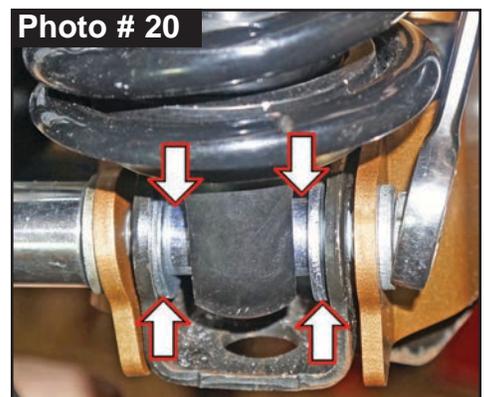
Place supplied 1-1/2" Crush Sleeve inside of Skyjacker Bracket against OEM frame. Attach Coilover Shock to bracket \ OEM frame with OEM hardware using a 18mm socket \ wrench. (Photo # 19) Secure, but **Do Not Completely Tighten** at this time.



17. Install Skyjacker Coilover Shock with one (1) supplied Shock Spacer on each side of lower shock mount.

Place one (1) supplied 1/2" SAE Washer outside of each Shock Spacers inside of lower OEM shock mount.

Attach Coilover Shock to bracket \ OEM frame with OEM hardware using a 18mm socket \wrench. (Photo # 20) Secure, but **Do Not Completely Tighten** at this time.



18. Skyjacker Remote Reservoir Brackets Are Side Specific:
JKLSBORRD-B Driver & # JKLSBORRP-B Passenger

Position appropriate Skyjacker Remote Reservoir Bracket onto OEM frame rail (above OEM bump stop mount). (Photo # 25)

Use Skyjacker Bracket as a guide for two (2) mounting holes. Mark & center punch mounting holes. (Photo # 21)



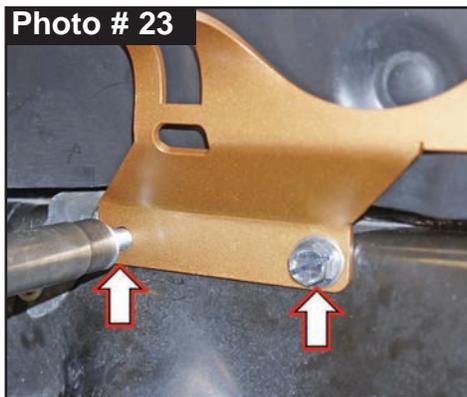
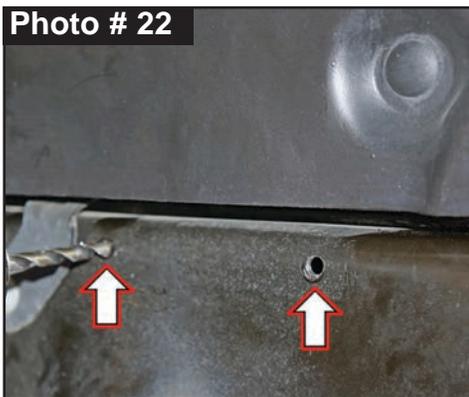
19. Using your punched marks as a guide, drill out two (2) mounting holes with a 5/16" drill bit. (Photo # 22) **Note:** Prior to drilling, check behind surface area being worked on for any wires, brake lines, fuel lines, hoses, etc.

File smooth any burrs or sharp edges on surface area, then paint or undercoat all exposed metal surface areas.

20. Attach Skyjacker Bracket to drilled mounting holes with supplied 3/8" x 1" Thread Cutter Flange Bolts using a 9/16" socket \wrench. (Photo # 23) Torque 30 ft-lbs.
21. Place Skyjacker remote reservoir into cradle of reservoir bracket. Attach reservoir to bracket with two (2) supplied # 40 Hose Clamps. **Note:** Route clamps around over top of bracket & back through bracket cut-out then around reservoir.

Attach using a standard screwdriver or 5/16" socket \wrench. (Photo # 24) Torque 180 in-lbs.

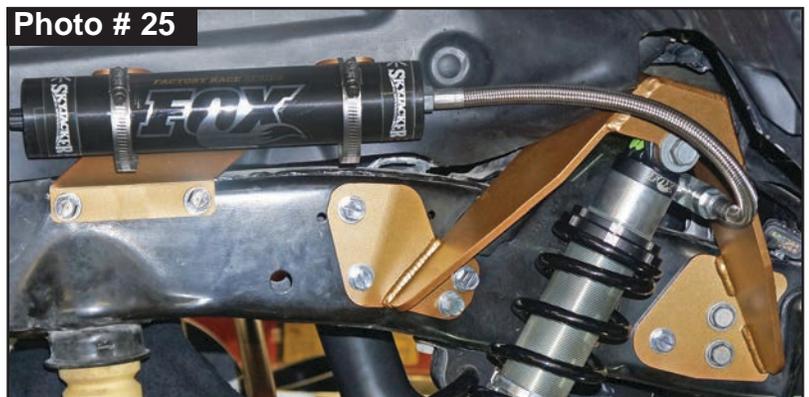
Tech Note: You can position or roll hose clamp rearward to hide bolts from view. (Photo # 25)



Note: Perform Steps 9-21 on Opposite Side at a this Time, Then Proceed to Step 22.

22. Connect OEM rear brake line bracket to frame using a 10mm socket \wrench. (Photo # 3)

Connect OEM rear brake line bracket to rear axle at upper control arm mount on each side using a 13mm socket \wrench. (Photo # 4)



23. Install rear bumper inner fender liner using a 8mm socket \wrench. (Photo # 6)
Tech Note: For better clearance & a clean look, it may be necessary to slightly trim OEM rear lower fender liners around Skyjacker Upper Coilover Shock Bracket.
24. Connect OEM rear track bar to passenger side upper frame mount using a 21mm socket \wrench. (Photo # 5) **Tech Note:** It may be necessary to raise \lower axle to align track bar bolt.
25. **RUBICON Models:** On rear axle, reconnect rear locker wiring harness to side of center differential housing.

Follow wiring harness up & re-clip wiring harness clamps to emergency brake cable.

Continue up wiring harness & re-clip two (2) wiring harness clips to driver side inner frame rail.

26. Install rear tires \wheels using a 22mm socket. Lower vehicle to ground. Torque lugs to OEM service manual specifications.

Final Clearance Check & Torque Steps:

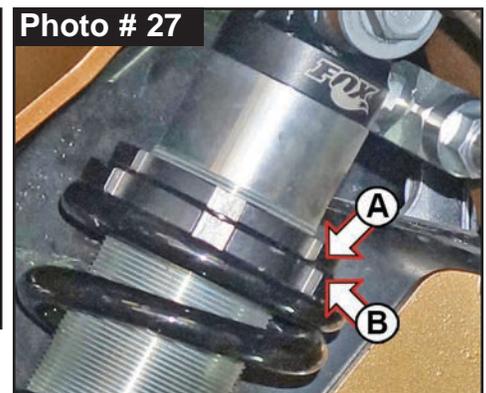
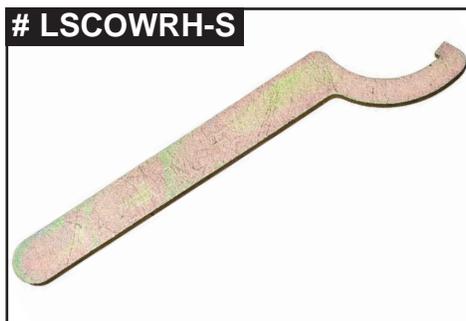
1. Start vehicle. Make sure there are no dash lights pertaining to suspension.
2. Jounce vehicle a couple of times. This will help suspension settle to new ride height. Cycle steering lock-to-lock & check all components for proper operation & clearances. Pay special attention to clearance between tires\wheels and Coilover Shocks & Reservoirs, control arms, brake hoses, ABS wiring, etc.
3. Rear Tighten & Torque Sequence.
Coilover shock at lower mount using a 18mm wrench. Torque 74 ft-lbs.
Coilover shock at upper mount using a 18mm wrench. Torque 74 ft-lbs.
Skyjacker sway bar end link lower mount using a 18mm socket\wrench. Torque 59 ft-lbs.
Skyjacker rear LCA bolts using a 22mm socket\wrench. Torque 120 ft-lbs.

Adjusting Coil-Over Lift Height:

Notes: Reference your before & after measurements noted on Page 1 of these instructions.

Raise lift height by compressing Skyjacker Coilover upper coil spring. To raise vehicle height, turn coil-over collars down shock body.

1. With vehicle on flat level ground, set emergency brake & chock rear tires\wheels. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual.
2. Remove front tires\wheels using a 22mm socket. Make sure Skyjacker Coilover Shocks are fully extended with as much weight off coil springs as possible. (Photo # 26)
3. To adjust coilovers, first unlock Upper Collar A by turning it left\clock-wise using # LSCOWRH-S Spanner Wrench. (Photo # 27) **Tech Note:** Amount of preload\adjustment does not directly equal amount of lift you will achieve due to weight variances side-to-side (battery, gas tank, other aftermarket modifications, etc.). 1" of preload does not equal 1" of lift height.
Use Spanner Wrench to turn Lower Collar B right\counter clock-wise to compress upper coil spring down. It does require a physical effort to rotate\compress coil spring.



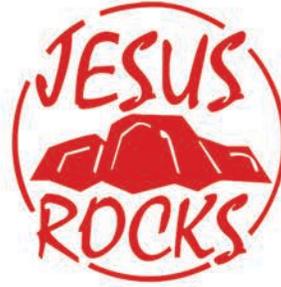
4. Once satisfied with your adjustments, spin Upper Collar A down against Lower Collar B. To lock, turn collar B counter-clockwise and collar A clockwise.
5. Install rear tires \ wheels using a 22mm socket. Lower vehicle to ground. Torque lugs to OEM service manual specifications.
6. Jounce vehicle a couple of times and \ or test drive. This will help suspension settle to new ride height. Check height measurements again. Fine tune side-to-side as needed.

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 re-tighten 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-lbs | 18MM | 170 ft-lbs | 240 ft-lbs |
| Above Specifications Are Not to Be Used When 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.

To listen to commercial free Christian radio on the web, go to 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

Puedes ir a este sitio de Internet para escuchar música Cristiana sin anuncios, www.887fm.org

Check out our favorite ministries at:



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www.familychurch.org
www.kcm.org