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# Jeep Wrangler JL 2"- 4" Single Flex Lower Links Installation Instructions



### REQUIRED TOOL LIST:

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Measuring Tape
- Torque Wrench

Before beginning the installation, read these instructions & the enclosed driver's WARNING NOTICE thoroughly & completely. Also 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 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.

### Important Notes:

- After installation, a qualified alignment facility is required to align the vehicle to the OEM specifications.

### Component Box Breakdown:

#### Part #: JL24LLX

| Item #       | Description                | Qty | Item #     | Description                | Qty |
|--------------|----------------------------|-----|------------|----------------------------|-----|
| JL24LLF-SX-L | JL LOWER FRONT FLEX LINK   | 2   | RE114-916R | ROD END 1 1/4 RH / .562 ID | 2   |
| JL24LLR-SX-L | JL LOWER REAR FLEX LINK    | 2   | 114RFTJN   | 1 1/4 RIGHT HAND JAM NUT   | 4   |
| RE114-640R   | ROD END 1 1/4 RH / .640 ID | 2   | I-JL24LLX  | INSTRUCTION SHEET: JL24LLX | 1   |

### Installation:

1. With the vehicle on flat level ground, set the emergency brake, & block the front & rear tires / wheels.
2. Measure the length of the new Skyjacker lower control arms between the center of the rod end & bushing on each control arm. Rotate the rod end as needed, being sure to keep the ends square with each other until the new Skyjacker front lower control arms measure 24 1/2" center to center & the new Skyjacker rear lower control arms measure 19 15/16" center to center. Tighten the supplied jam nuts.

3. Disconnect the OEM front brake line brackets from the OEM front lower control arms using a 15mm socket / wrench. (See Photo # 1)

4. Pry the OEM front brake line brackets that were connected to the OEM front lower control arms open using a flat screwdriver or similar tool & remove the OEM front brake lines from the OEM front brake line brackets. (See Photo # 2) **Note:** Be very careful not to damage the OEM front brake lines.

5. One at a time, remove the OEM front lower control arms & install the new Skyjacker front lower control arms using the OEM hardware, a 21mm socket / wrench, & 24mm socket / wrench. **Note:** Install the new front lower control arms with the offset bend toward the inside of the vehicle & the rod end at the frame.

6. One at a time, remove the OEM rear lower control arms & install the new Skyjacker rear lower control arms using the OEM hardware, & a 21mm socket / wrench. (See Photo # 3) **Note:** Install the new rear lower control arms with the rod end at the frame.



**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.)
- 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.

| <b>TORQUE SPECIFICATIONS</b> |                |                |                             |                  |                   |
|------------------------------|----------------|----------------|-----------------------------|------------------|-------------------|
| <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.**



- Adjustable Rear Lower Control Arms Are **Required**. # GLL24R-SX Includes Johnny Joints.
- Adjustable Rear Upper Control Arms Are **Recommended**. # GULR24-SX Includes Johnny Joints.
- A Replacement Dual Cardan CV Style Rear Driveshaft With Transfer Case Output Yoke **Required**.
- Wheel Back Spacing of 4.5" Or Less Is **Recommended**.
- After Installation, a Qualified Alignment Facility Is Required to Align Vehicle to OEM Specifications.

**Component Box Breakdown:**

**Part # G36RLS**

| Item #      | Description                      | Qty |
|-------------|----------------------------------|-----|
| SKY2028G-PR | COILOVER SHOCK, PAIR, L & R      | 1   |
| 2.5X12X200  | SPRING, 2.5 ID \ 12 H \ 200 RATE | 2   |
| 2.5X14X300  | SPRING, 2.5 ID \ 14 H \ 300 RATE | 2   |
| LSCOWRH-S   | SPANNER WRENCH, COILOVER         | 1   |

**Hardware Bag Breakdown:**

**Part # HB-G36RLSB**

| Item #   | Description                  | Qty |
|----------|------------------------------|-----|
| 38X1TCFB | 3/8 X 1 THRD-CUTTER FLG BOLT | 12  |

**Component Box Breakdown:**

**Part # G36RLSB**

| Item #     | Description               | Qty |
|------------|---------------------------|-----|
| G36RDU-B   | COILOVER UPPER BRKT, DR   | 1   |
| G36RPU-B   | COILOVER UPPER BRKT, PA   | 1   |
| G36RRD-B   | REMOTE RESERVOIR BRKT, DR | 1   |
| G36RRP-B   | REMOTE RESERVOIR BRKT, PA | 1   |
| HB-G36RLSB | HDWR BAG: FOR G36RLSB     | 1   |

**Jeep Gladiator JT  
Optional Coilover  
Up-Grades**



**Adjustable Front Track Bar - Part # JLFTBA18**



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



**ADX Adventure Series Coilover Kit (Front)  
3.5" - 6" Lift Coilover - Part # JL36FLS  
3.5" - 6" Lift Brackets - Part # JL36FLSB**



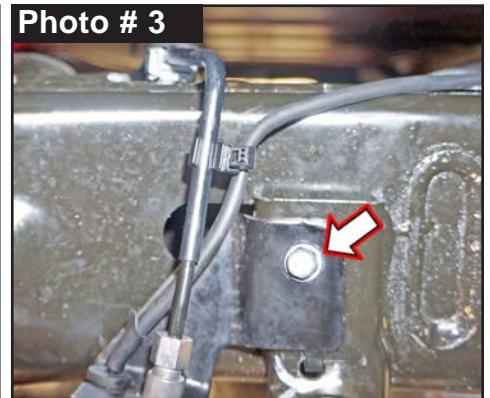
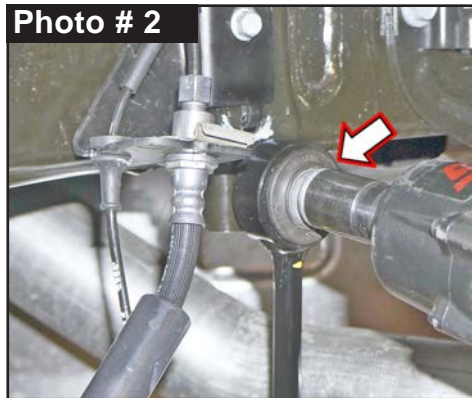
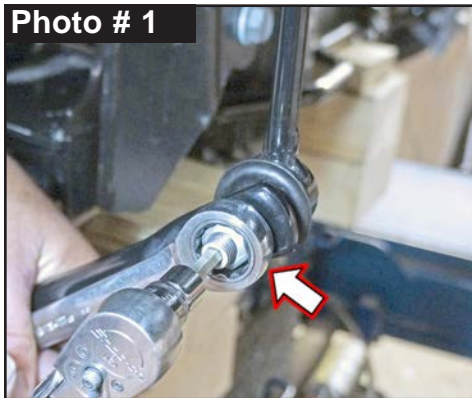
**Adjustable Rear UCA - Part # GULR24-SX**



**Adjustable Rear Track Bar - Part # JTGRTBA20**

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

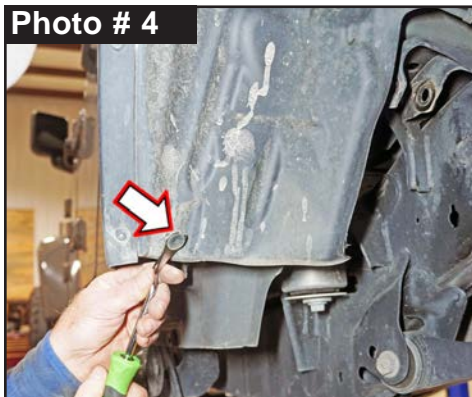
1. Chock front tires \ wheels. Raise rear of vehicle & support frame rails using jack stands at indicated lift points in OEM service manual.
2. Remove rear tires \ wheels using a 22mm socket.
3. Remove OEM rear sway bar end links from each side. Disconnect lower link at sway bar using a 6mm hex key socket \ wrench & 18mm socket \ wrench. (Photo # 1)  
Disconnect upper link at outside frame using a 21mm socket \ wrench. (Photo # 2)
4. Disconnect OEM brake line bracket at frame mount using a 10mm socket \ wrench. (Photo # 3)



5. In order to gain access to OEM rear upper shock mount, OEM rear inner fender can be completely removed or only removed where access is needed. **Note:** Jeep Gladiator year make & models have various rear inner fender \ liner designs. This removal is an example. It can vary, but removal process is similar.

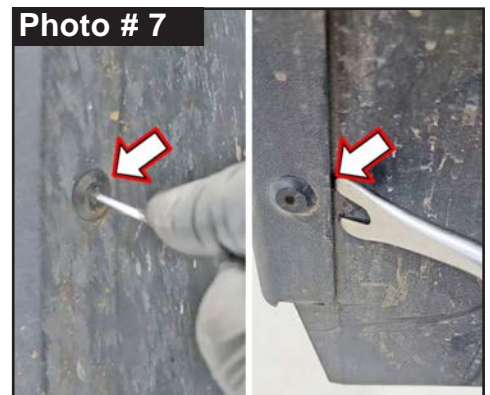
First, remove three (3) OEM retaining clips from inside of fender liner using a plastic fastener removal tool. (Photo # 4 & # 5)

Next, remove two (2) liner backing support screws using an 8mm socket \ wrench. (Photo # 6)



**Note:** If you decide to completely remove inner fender, outer fender & inner fender clips are pop rivets. If removed, rivets will have to be replaced. **Tech Note:** Push center pin of rivet with a pick tool or Phillips screwdriver, then remove rivet using a plastic fastener removal tool. (Photo # 7) Or you may have to drill out center pin of rivet, then remove rivet using a plastic fastener removal tool.

Separate OEM inner liner from fender flare & remove liner from vehicle.



- Disconnect OEM rear track bar from rear axle mount using a 21mm socket \ wrench. (Photo # 8) **Tech Note:** It may be necessary to raise \ lower axle to take pressure off track bar bolt. Retain OEM hardware.
- Disconnect OEM rear shock at upper & lower hardware using a 21mm socket \ wrench. (Photo # 9 & # 10) Remove OEM rear shocks & retain hardware.

Photo # 8



Photo # 9

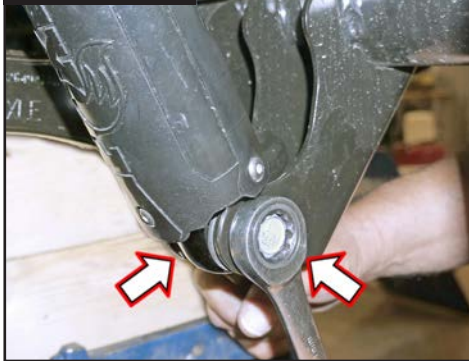


Photo # 10



- Disconnect OEM wiring harness clip from OEM upper shock frame mount using a plastic fastener removal tool. (Photo # 11)

Photo # 11



- For coilover clearance purposes, grind \ round off bottom points of both inner & outer OEM shock mounts to a smooth radius. (Photo # 12)

Photo # 12



- Rubicon Models:** OEM 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. (Photo # 13) **Tech Note:** Safety lock clip must be slid rearward to unlock. Press rearward tang up, grab connector & pull away while from plug-in.

Remove OEM plastic retainer from stud on side of differential housing using a plastic fastener removal tool. (Photo # 13)

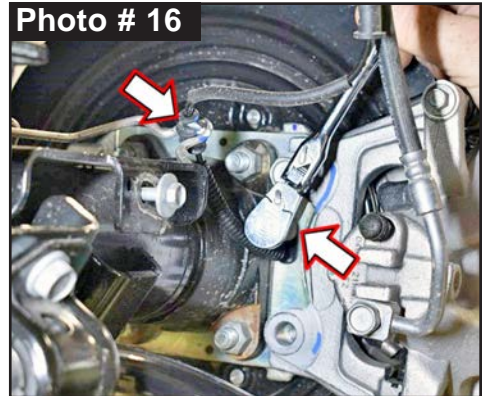
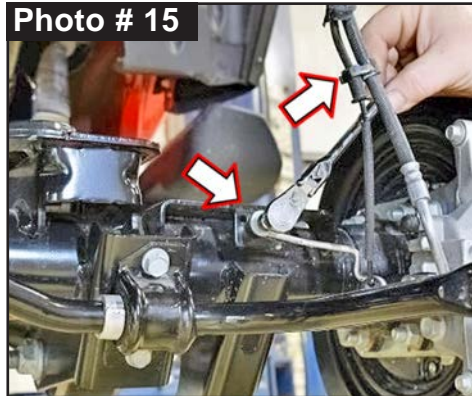
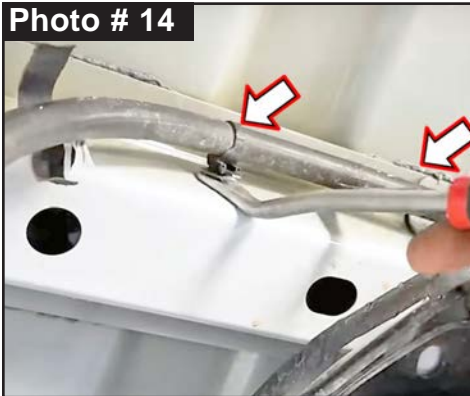
Follow OEM locker wiring harness up & unclip harness clamps from emergency brake cable.

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

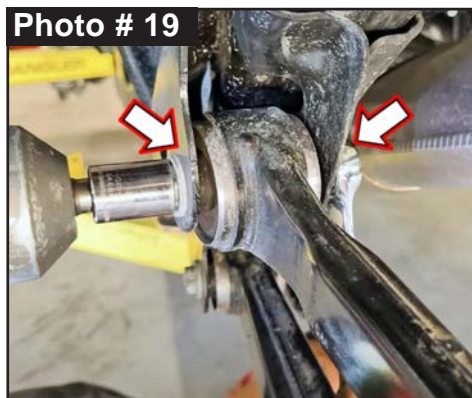
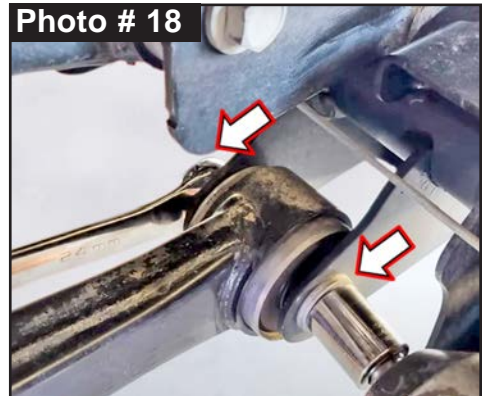
Photo # 13



11. Follow OEM differential vent tube plastic clip up & disconnect OEM differential vent tube plastic clip from vehicle upper tub mount using a plastic fastener removal tool. (Photo # 14)
12. Disconnect OEM ABS bracket from axle mount using a 10mm socket \ wrench. (Photo # 15)  
Unclip all ABS line rubber grommets from OEM brake line rubber keepers. (Photo # 15)  
Disconnect OEM ABS sensor from brake caliper bracket using a 8mm socket \ wrench. (Photo # 16)



13. Loosen, but **Do Not Remove** rear OEM upper & lower control arm links.  
Loosen rear OEM upper & lower control arm links at rear OEM axle mounts using a 21mm & 24mm socket \ wrench. (Photo # 17 & # 18)  
Loosen rear OEM upper & lower control arm links at front OEM frame mounts using a 21mm & 24mm socket \ wrench. (Photo # 19 & # 20)



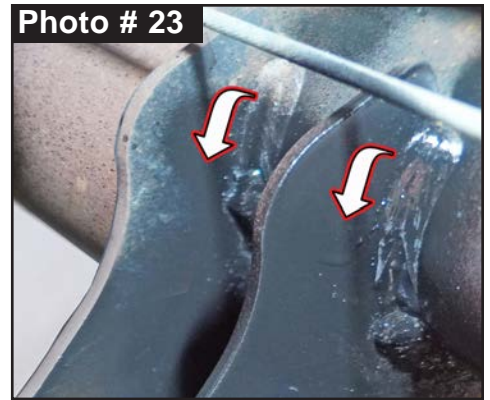
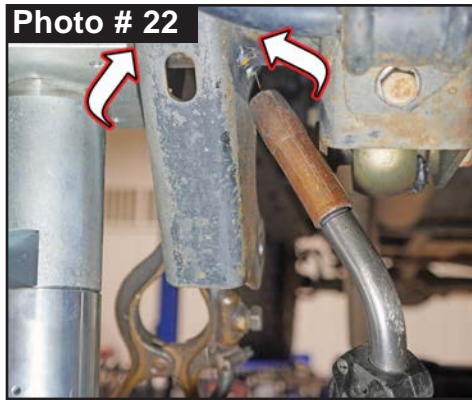
14. While checking for appropriate slack in ABS lines, brake lines, differential vent hose & etc. Lower rear axle. **RUBICON Models:** Watch rear locker connections.  
Remove OEM rear coil springs & upper coil spring isolators. (Photo # 21)



15. **Optional Step:** For durability purposes, OEM lower shock bracket can be welded completely around OEM axle.

(Photo # 22 & # 23)

**Note:** Grind smooth any burrs or sharp edges, then paint or undercoat all exposed metal.



**Note:** Perform Steps 16-27 on One Side at a Time.

16. Skyjacker Upper Shock Brackets Are Side Specific:  
# G36RDU-B Driver Side & # G36RPU-B Passenger Side

Attach appropriate Skyjacker Upper Shock Bracket to upper OEM shock bracket\frame mount with OEM hardware using a 21mm socket\wrench. (Photos # 24) Secure, but **Do Not Completely Tighten** at this time.

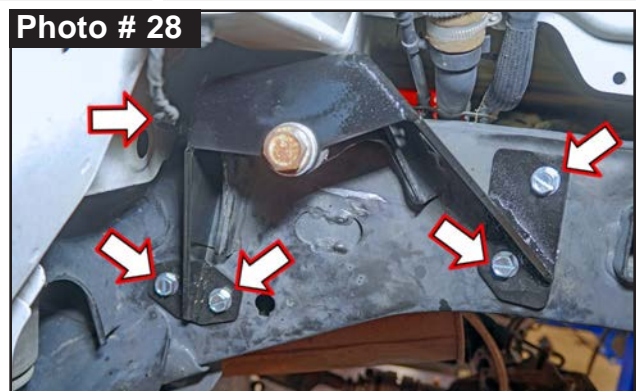
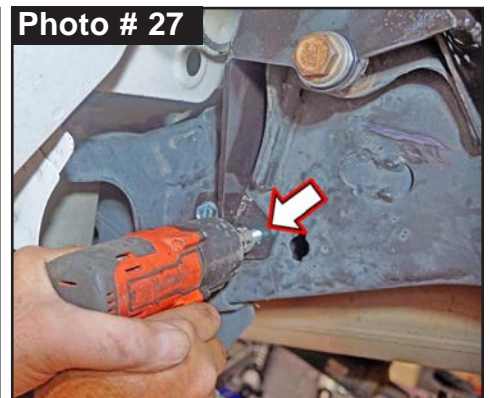
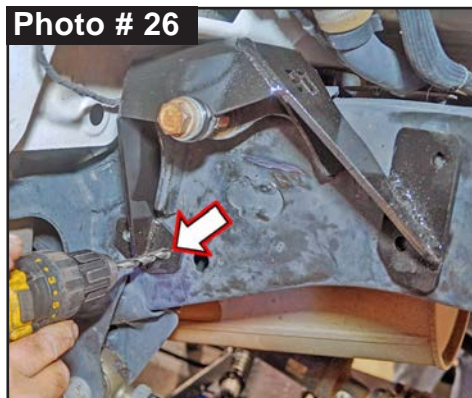


17. Use Skyjacker Bracket as a guide for remaining four (4) mounting holes to OEM frame.

Mark & center punch each mounting hole. (Photos # 25)

Drill out each mounting hole with a 5/16" drill bit. (Photo # 26) **Note:** Prior to drilling, check behind surface area being worked on for any wires, brake lines, fuel lines, hoses, etc that could be damaged.

18. Attach four (4) Skyjacker Bracket to drilled mounting holes with supplied 3/8" x 1" Thread Cutter Flange Bolts using a 9/16" socket\wrench. (Photo # 27 & # 28) Torque 30 ft-lbs.



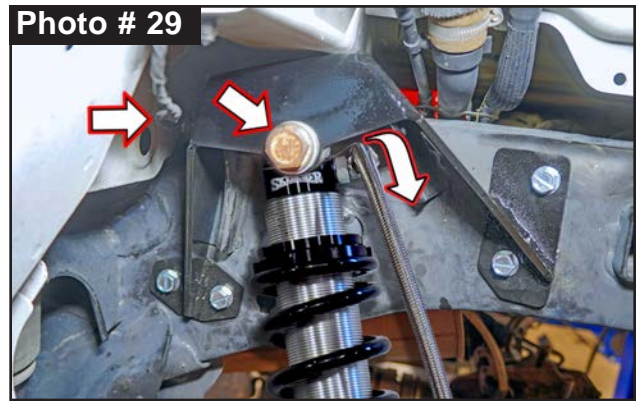
19. Remove OEM hardware from Skyjacker Upper Shock Bracket using a 21mm socket \wrench.

Skyjacker Rear Coilover Shocks Are Side Specific.

**Tech Note:** Coilover Shock Fitting, Reservoir Hose & Remote Reservoir Must Point Toward Rear of Vehicle. (Photo # 29)

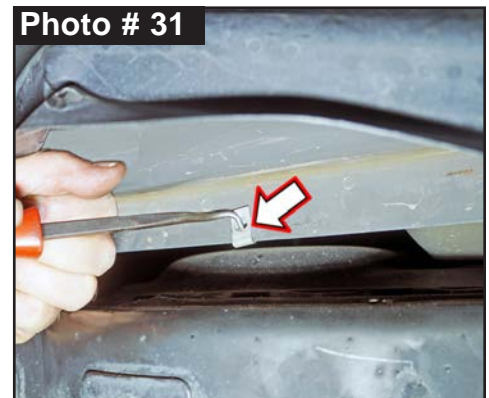
Install Skyjacker Coilover Shock with one (1) supplied metal shock spacer \bushing on each side of upper shock mount.

Attach Skyjacker Coilover Shock to bracket \OEM frame with OEM hardware using a 21mm socket \wrench. (Photo # 29) Secure, but **Do Not Completely Tighten** at this time.



20. Connect OEM wiring harness clip to Skyjacker Upper Shock Bracket at forward hole mount. (Photo # 29)

21. Install Skyjacker Coilover Shock with one (1) supplied metal shock spacer \bushing on each side of lower shock mount. Attach Skyjacker Coilover Shock to OEM lower shock bracket with OEM hardware using a 21mm socket \wrench. (Photo # 30) Secure, but **Do Not Completely Tighten** at this time.



22. Remove second \middle OEM inner fender liner U-nut clip using a mechanic pick or standard screwdriver. (Photo # 31)

**Important Note:** If OEM rear inner fender liner was removed, it can be re-installed now.

**Note:** OEM rear inner fender liner Trimming May Be Required around Skyjacker Upper Shock Brackets & Each Reservoir Hose (Driver & Passenger Sides are trimmed in different points).

23. Skyjacker Remote Reservoir Brackets Are Side Specific:  
# G36RRD-B Driver & # G36RRP-B Passenger

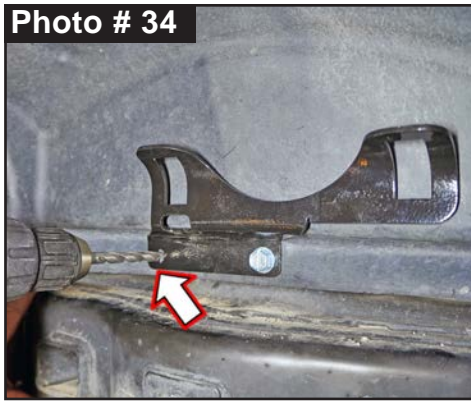
Position appropriate Skyjacker Remote Reservoir Bracket onto second \middle OEM inner fender liner backing screw hole mount. (Photo # 32) Attach with supplied 3/8" x 1" Thread Cutter Flange Bolts using an impact wrench & 9/16" socket. Secure, but **Do Not Completely Tighten**.

24. Install first \forward OEM inner fender liner backing support screw into using an 8mm socket \wrench. (Photo # 33)

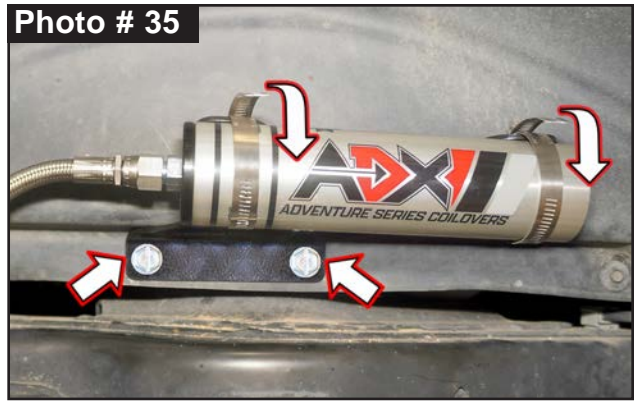
Use Skyjacker Bracket as a guide for second mounting hole. Mark \scrib & center punch mounting hole. (Photo # 33)



25. Using your punched marks as a guide, drill out mounting hole with a 5/16" drill bit. (Photo # 34) **Note:** Prior to drilling, check behind surface area being worked on for any wires, brake lines, fuel lines, hoses, etc.



26. Attach Skyjacker Bracket to drilled mounting hole with supplied 3/8" x 1" Thread Cutter Flange Bolts using an impact wrench & 9/16" socket. (Photo # 35) Torque Both Cutter Flange Bolts 30 ft-lbs.

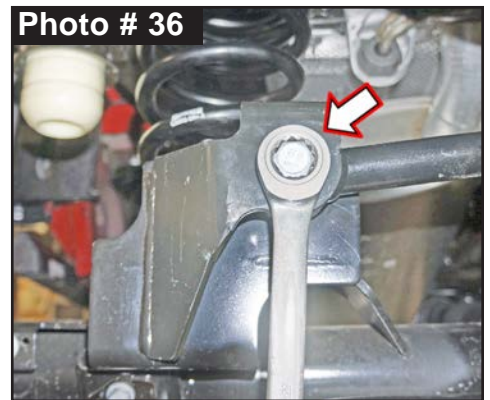


27. Place Skyjacker remote reservoir into cradle of reservoir bracket. Attach reservoir to bracket with two (2) supplied # 40 Hose Clamps. (Photo # 35) **Note:** Route clamps around over top of bracket & back through bracket cut-out then around reservoir.

Attach using a standard screwdriver or 5/16" socket \ wrench. (Photo # 35) Torque 180 in-lbs. **Tech Note:** You can position or roll hose clamp rearward to hide bolts from view.

**Note:** Perform Steps 16-27 on Opposite Side at a this Time, Then Proceed to Step 28.

28. Connect OEM rear track bar to OEM lower track bar axle mount with OEM bolt & tab nut using a 21mm socket \ wrench. (Photo # 36) Secure, but **Do Not Completely Tighten**. **Note:** Install OEM bolt from rear-to-front of vehicle.



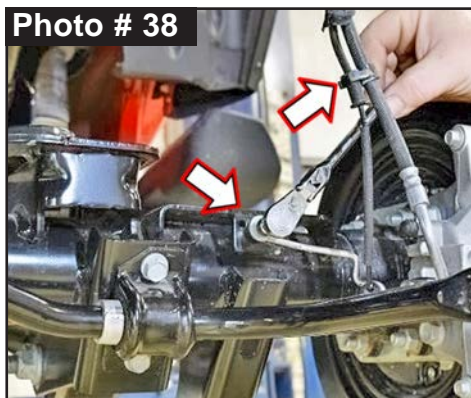
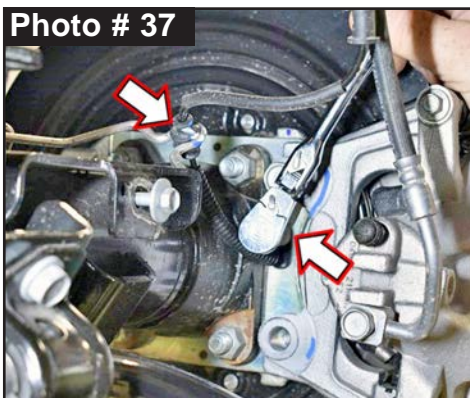
**Tech Note:** It may be necessary to raise \ lower axle to align track bar bolt. Secure, but **Do Not Completely Tighten**.

29. Connect OEM ABS sensor to brake caliper bracket using a 8mm socket \ wrench. (Photo # 37) Torque 30 ft-lbs.

Connect OEM ABS bracket to axle mount using a 10mm socket \ wrench. (Photo # 38) Torque 30 ft-lbs.

Re-clip all ABS line rubber grommets to OEM brake line rubber keepers. (Photo # 38)

30. Connect OEM differential vent tube plastic clip to vehicle upper tub mount. (Photo # 39)



31. **Rubicon Models:** Reconnect OEM rear locker wiring harness to side of center differential housing. (Photo # 40)

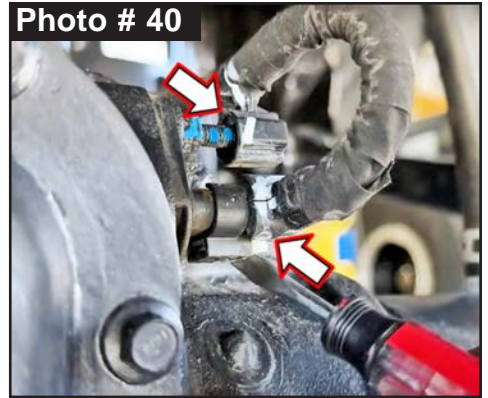
**Tech Note:** Pull out on connector to verify that it is securely plugged in properly.

Attach OEM plastic retainer to stud on side of differential housing. (Photo # 40)

Follow OEM locker wiring harness up & reattach OEM wiring harness clamps to OEM emergency brake cable.

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

Photo # 40



32. Connect OEM brake line bracket at frame mount using a 10mm socket \ wrench. (Photo # 41)  
Torque 30 ft-lbs.

33. Connect OEM sway bar end link upper link at outside frame using a 21mm socket \ wrench. (Photo # 42) Secure, but **Do Not Completely Tighten**.

Connect OEM sway bar end link lower link at sway bar using a 6mm hex key socket \ wrench & 18mm socket \ wrench. Secure, but **Do Not Completely Tighten**. (Photo # 43)

Photo # 41

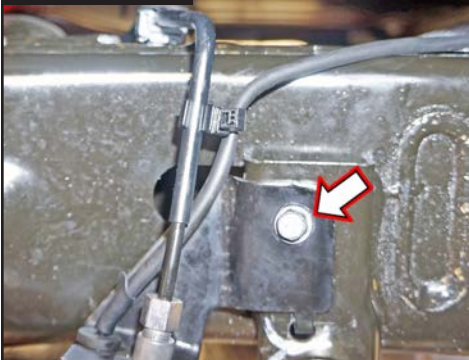


Photo # 42



Photo # 43



34. 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 & ADX Coilover Shocks & Reservoirs, control arms, brake hoses, ABS wiring, etc.

**CAUTION:** Make Sure ADX Coilover Reservoir \ Reservoir Hose Does Not & Will Not Make Contact with Anything Throughout Full Travel Cycle of Suspension. (Tire \ wheel, frame rail, frame brackets, springs, brake lines, exhaust, etc.) For proper clearance, it may be necessary to change location or orientation of reservoir on shock body.

### 3. Rear Tighten & Torque Sequence.

OEM rear track bar to OEM lower track bar axle mount using a 21mm socket \ wrench.  
Torque 130 ft-lbs.

Skyjacker Coilover Shock to bracket \ OEM frame using a 21mm socket \ wrench.  
Torque 90 ft-lbs.

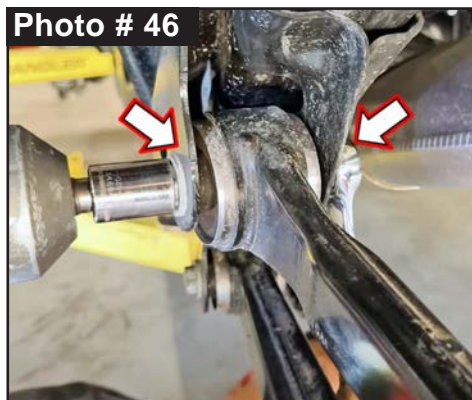
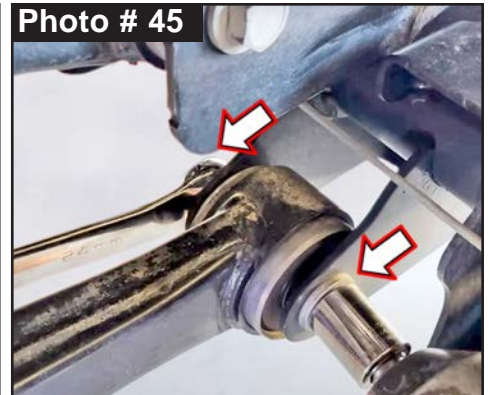
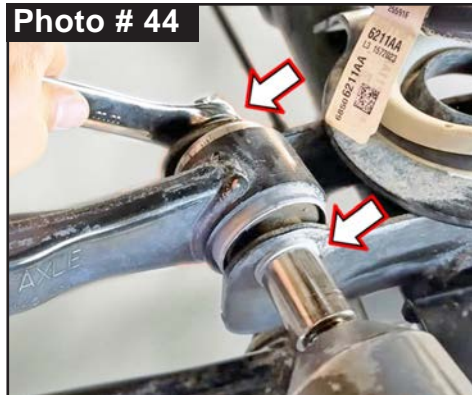
Skyjacker Coilover Shock to OEM lower shock bracket using a 21mm socket \ wrench.  
Torque 90 ft-lbs.

OEM sway bar end link upper link at outside frame using a 21mm socket \ wrench. Tighten bushings until bushing starts to swell slightly.

OEM sway bar end link lower link at sway bar using a 6mm hex key socket \ wrench & 18mm socket \ wrench. Torque 90 ft-lbs.

OEM upper & lower control arm links at rear OEM axle mounts using a 21mm & 24mm socket \ wrench.  
(Photo # 44 & # 45)

OEM upper & lower control arm links at front OEM frame mounts using a 21mm & 24mm socket \ wrench.  
(Photo # 46 & # 47)



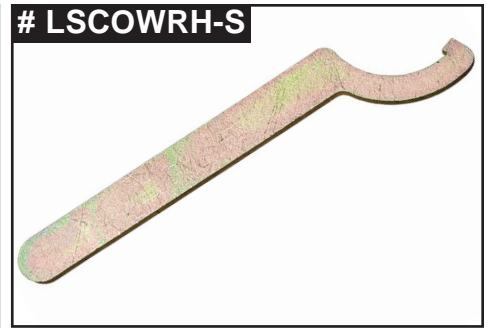
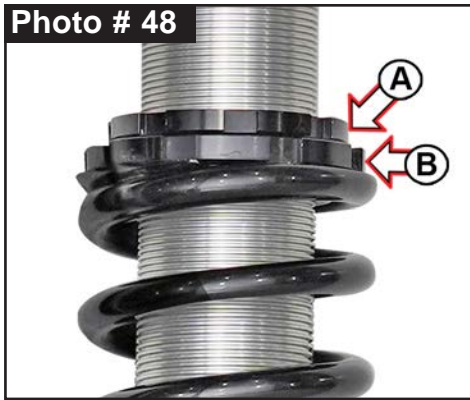
### Adjusting Coilover Lift Height:

**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 coilover collars down shock body.

1. With vehicle on flat level ground, set emergency brake & 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 22mm socket. Make sure Skyjacker Coilover Shocks are fully extended with as much weight off coil springs as possible.

3. To adjust coilovers, first unlock Upper Collar A by turning it left \ counter clock-wise using # LSCOWRH-S Spanner Wrench. (Photo # 48) **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, or aftermarket modifications, etc.). 1" of preload does not equal 1" of lift height.



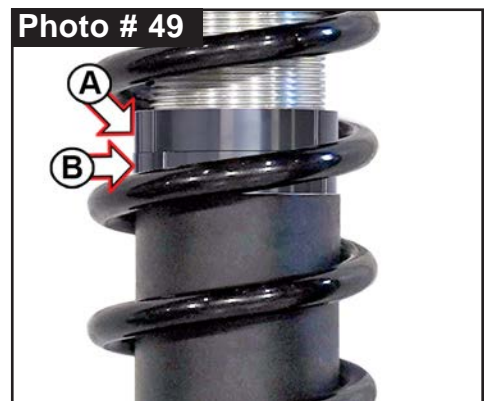
Use Spanner Wrench to turn Lower Collar B right \ clock-wise to compress upper coil spring down. It does require a physical effort to rotate \ compress coil spring.

4. Set coilover stop nuts. Coilover stop nuts are threaded onto coilover cylinder below coil adjustment collars. Stop nuts are used to set transition point between primary rate (a combination of upper & lower springs) & secondary rate (lower spring).

**Note:** For most applications, stop nuts should be positioned about 1" - 3" above slider (spring separator) when vehicle is at ride height. This means that the first 1" - 3" of up travel will be on softer coil spring rate & after that, it will transition to higher lower coil spring rate to increase rate before fully compressed & reached maximum suspension travel.

To adjust coilovers stop nuts, first unlock Upper Stop Nut A by turning it left \ counter lock-wise using a flat screwdriver & a hammer. (Photo # 49)

Spin Upper Stop Nut A & Lower Stop Nut B into their new position & then tighten stop nuts against each other. Give them each a moderate tap with screwdriver & hammer to lock in position.



### 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.**

# SKYJACKER

## SUSPENSIONS

SKYJACKER.COM

Check Out Our Favorite Ministries at:

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

## 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! Amen.

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)



**JESUS  
FORGIVES  
ROCKS  
DON'T**

## 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

Que si confiesas con tu boca que Jesús es el Señor, y crees en tu corazón que Dios lo levantó de entre los muertos, serás salvo. 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! Amén.

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)



**Required Tools List:**

- **SAE Hex Key & SAE Sockets \ Wrenches**  
 (7/32" Hex Key Socket & 7/16", 1/2", 9/16", 5/8", 13/16", 7/8", & 1-1/8")
- **Metric Hex Key & Metric Sockets \ Wrenches**  
 (6mm Hex Key Socket & 8mm, 10mm, 13mm, 15mm, 18mm, 19mm, 21mm, 22mm & 24mm)
- **Brakeline \ Flare Nut Wrenches**  
 (12mm, 15mm, 16mm & 5/8")
- **Plastic Fastener Removal Tool**
- **Standard Flat Screwdriver**
- **Diagonal Cutting Pliers**
- **Wheel Chock**
- **Floor Jack**
- **Power Drill**
- **Center Punch**
- **Paint Marker**
- **Safety Glasses**
- **Torque Wrench**
- **Jack Stands**
- **Pliers**
- **Drill Bit (7/16")**
- **Measuring Tape**
- **Rubber Mallet**
- **Brake Bleeding Tool**
- **DOT Brake Fluid**



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

**Important Notes:**

- This Suspension Lift is NOT Designed to Fit Mojave Models.
- After Installation, a Qualified Alignment Facility Is Required to Align Vehicle to OEM Specifications.
- 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.
- Drag Link Must Be Adjusted to Center Steering Wheel Before Vehicle Is Driven. Failure to Do So Will Cause Computer Errors, Odd Handling Characteristics, & Poor Performance.

**Component Box Breakdown:****Part # G452LT**

| Item #     | Description                 | Qty |
|------------|-----------------------------|-----|
| G24HDFS-DR | HD DUAL RATE COIL, FRONT    | 2   |
| G220RS-DR  | DUAL RATE COIL, REAR   22.0 | 1   |
| G225RS-DR  | DUAL RATE COIL, REAR   22.5 | 1   |
| JL24LLFD-L | LOWER LINK FRONT, DR        | 1   |
| JL24LLFP-L | LOWER LINK FRONT, PA        | 1   |
| JTGULR24-L | REAR UPPER LINK, DR & PA    | 2   |
| JLFTBA18-B | TRACK BAR, FRONT            | 1   |
| 34RFTJN    | 3/4 RIGHT HAND JAM NUT      | 1   |
| HD34X34DTB | HD 3/4 ROD END / TRACK BAR  | 1   |
| JTGRTB-B   | TRACK BAR BRACKET, REAR     | 1   |
| H-BOX G452 | HWDR BOX: G452 KITS         | 1   |

**Part # G452LTD**

| Item #     | Description                 | Qty |
|------------|-----------------------------|-----|
| G34HDFS-DR | HD DUAL RATE COIL, FRONT    | 2   |
| G220RS-DR  | DUAL RATE COIL, REAR   22.0 | 1   |
| G225RS-DR  | DUAL RATE COIL, REAR   22.5 | 1   |
| JL24LLFD-L | LOWER LINK FRONT, DR        | 1   |
| JL24LLFP-L | LOWER LINK FRONT, PA        | 1   |
| JTGULR24-L | REAR UPPER LINK, DR & PA    | 2   |
| JLFTBA18-B | TRACK BAR, FRONT            | 1   |
| 34RFTJN    | 3/4 RIGHT HAND JAM NUT      | 1   |
| HD34X34DTB | HD 3/4 ROD END / TRACK BAR  | 1   |
| JTGRTB-B   | TRACK BAR BRACKET, REAR     | 1   |
| H-BOX G452 | HWDR BOX: G452 KITS         | 1   |

**Part # G45B**

| Item #        | Description                | Qty |
|---------------|----------------------------|-----|
| B8388 (FRONT) | BLACK MAX SHOCK W/BLK BOOT | 2   |
| B8397 (REAR)  | BLACK MAX SHOCK W/BLK BOOT | 2   |

**Part # G45M**

| Item #        | Description        | Qty |
|---------------|--------------------|-----|
| M9388 (FRONT) | M95 MONOTUBE SHOCK | 2   |
| M9397 (REAR)  | M95 MONOTUBE SHOCK | 2   |

**Part # G45X**

| Item #        | Description              | Qty |
|---------------|--------------------------|-----|
| A2388 (FRONT) | ADX 2.0 REMOTE RESERVOIR | 2   |
| A2397 (REAR)  | ADX 2.0 REMOTE RESERVOIR | 2   |

**Component Box Breakdown:****Part # G452RLT**

| Item #     | Description                 | Qty |
|------------|-----------------------------|-----|
| G45FS-DR   | DUAL RATE COIL, FRONT       | 2   |
| G225RS-DR  | DUAL RATE COIL, REAR   22.5 | 1   |
| G230RS-DR  | DUAL RATE COIL, REAR   23.0 | 1   |
| JL24LLFD-L | LOWER LINK FRONT, DR        | 1   |
| JL24LLFP-L | LOWER LINK FRONT, PA        | 1   |
| JTGULR24-L | REAR UPPER LINK, DR & PA    | 2   |
| JLFTBA18-B | TRACK BAR, FRONT            | 1   |
| 34RFTJN    | 3/4 RIGHT HAND JAM NUT      | 1   |
| HD34X34DTB | HD 3/4 ROD END / TRACK BAR  | 1   |
| JTGRTB-B   | TRACK BAR BRACKET, REAR     | 1   |
| H-BOX G452 | HWDR BOX: G452 KITS         | 1   |

**Part # G452RLTD**

| Item #     | Description                 | Qty |
|------------|-----------------------------|-----|
| G45HDFS-DR | HD DUAL RATE COIL, FRONT    | 2   |
| G225RS-DR  | DUAL RATE COIL, REAR   22.5 | 1   |
| G230RS-DR  | DUAL RATE COIL, REAR   23.0 | 1   |
| JL24LLFD-L | LOWER LINK FRONT, DR        | 1   |
| JL24LLFP-L | LOWER LINK FRONT, PA        | 1   |
| JTGULR24-L | REAR UPPER LINK, DR & PA    | 2   |
| JLFTBA18-B | TRACK BAR, FRONT            | 1   |
| 34RFTJN    | 3/4 RIGHT HAND JAM NUT      | 1   |
| HD34X34DTB | HD 3/4 ROD END / TRACK BAR  | 1   |
| JTGRTB-B   | TRACK BAR BRACKET, REAR     | 1   |
| H-BOX G452 | HWDR BOX: G452 KITS         | 1   |

**Hardware Box Breakdown:****Part # H-BOX G452**

| Item #      | Description                 | Qty |
|-------------|-----------------------------|-----|
| JTG30RBS-S  | BUMP STOP BRACKET, RR   3.0 | 2   |
| SBE4048-L   | SWAY BAR END LINK, FRT      | 2   |
| SBE507-L    | SWAY BAR END LINK, RR       | 2   |
| RBL10       | BRAKE LINES, REAR   PAIR    | 1   |
| HB-ABSS2535 | HDWR BAG: BUMP STOP, FRT    | 1   |
| HB-JL24LLF  | HDWR BAG: LOWER LINK FRT    | 1   |
| HB-JLFTBB   | HDWR BAG: TRACK BAR BRKT, F | 1   |
| HB-JTGRBS   | HDWR BAG: BUMP STOP, RR     | 1   |
| HB-JTGRTB   | HDWR BAG: TRACK BAR BRKT, R | 1   |
| HB-JTGSBER  | HDWR BAG: SB END LINK, RR   | 1   |
| HB-SBENB24  | HDWR BAG: SB END LINK, FRT  | 1   |

**Part # RBL10**

| Item # | Description             | Qty |
|--------|-------------------------|-----|
| RBL10S | BRAKE LINE, RR          | 2   |
| 3CCW   | 3/8 COPPER CRUSH WASHER | 4   |
| HC1    | BRAKE LINE CLIP         | 2   |
| BTIE-K | BLACK PLASTIC TIE       | 10  |

## Hardware Bag Breakdown:

### Part # HB-ABSS2535

| Item #    | Description                  | Qty |
|-----------|------------------------------|-----|
| ABSS2535  | BUMP STOP SPACER, FRT        | 2   |
| 38X412BHB | 3/8 X 4-1/2 BUTTON HEAD BOLT | 2   |
| 38SAEW    | 3/8 SAE WASHER               | 2   |
| 38CTN     | 3/8 COARSE THRD N/I LOCK NUT | 2   |

### Part # HB-JL24LLF

| Item #  | Description                   | Qty |
|---------|-------------------------------|-----|
| 14X1FTB | 1/4 X 1 FINE THREAD BOLT \ G8 | 4   |
| 14SAEW  | 1/4 SAE WASHER                | 8   |
| 14FTN   | 1/4 FINE THREAD N/I LOCK NUT  | 4   |

### Part # HB-JLFTBB

| Item # | Description                | Qty |
|--------|----------------------------|-----|
| JLFTBB | ROD END BUSHING / 0.563 ID | 2   |

### Part # HB-JTGRBS

| Item #   | Description                   | Qty |
|----------|-------------------------------|-----|
| 516X1FTB | 5/16 X 1 FINE THREAD BOLT     | 4   |
| 516SAEW  | 5/16 SAE WASHER               | 8   |
| 516FTN   | 5/16 FINE THREAD N/I LOCK NUT | 4   |

## Hardware Bag Breakdown:

### Part # HB-JTGRTB

| Item #     | Description                   | Qty |
|------------|-------------------------------|-----|
| TBS1656    | CRUSH SLEEVE / 1.656 LONG     | 1   |
| 716X114FTB | 7/16 X 1-1/4 FINE THREAD BOLT | 2   |
| 716SAEW    | 7/16 SAE WASHER               | 4   |
| 716FTN     | 7/16 FINE THRD N/I LOCK NUT   | 2   |
| 916X312FTB | 9/16 X 3-1/2 FINE THREAD BOLT | 1   |
| 916SAEW    | 9/16 SAE WASHER               | 2   |
| 916FTN     | 9/16 FINE THRD N/I LOCK NUT   | 1   |

### Part # HB-JTGSBER

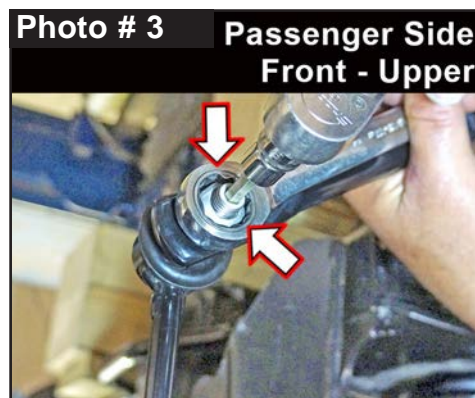
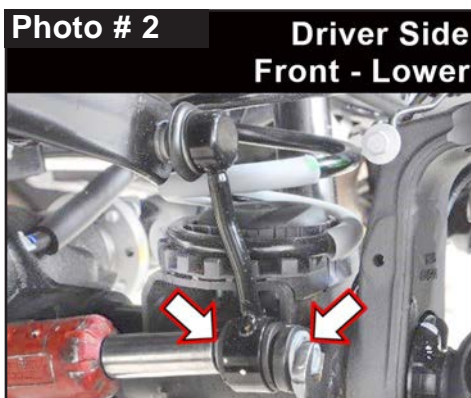
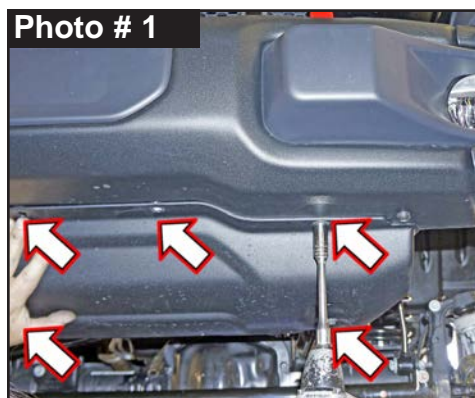
| Item #    | Description                | Qty |
|-----------|----------------------------|-----|
| HG58125-K | BLACK HOURGLASS BUSHING    | 4   |
| 403712    | CRUSH SLEEVE / 1.25 LONG   | 4   |
| 12X65MMB  | 12MM X 65 METRIC BOLT      | 2   |
| 716USSW   | 7/16 USS FLAT WASHER       | 6   |
| 12MMN     | 12MM NYLON INSERT LOCK NUT | 2   |

### Part # HB-SBENB24

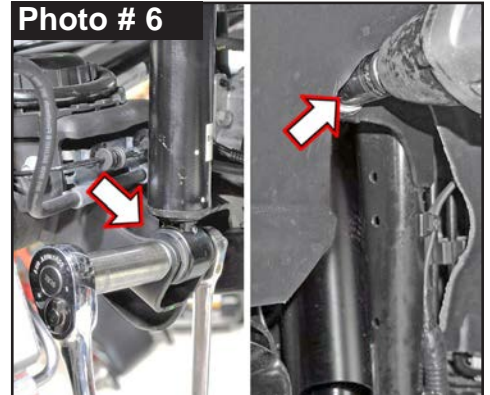
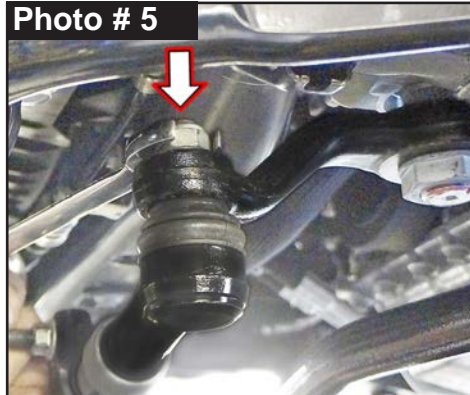
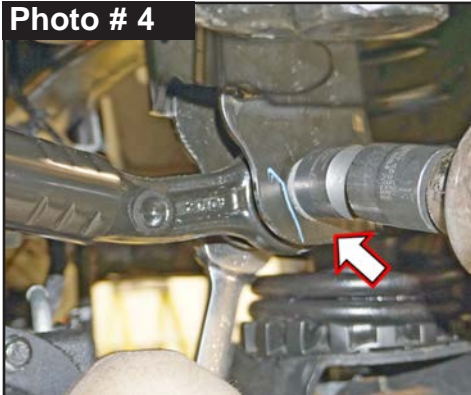
| Item #    | Description                | Qty |
|-----------|----------------------------|-----|
| 1412BSG-S | SWAY BAR REDUCER BUSHING   | 2   |
| 141509    | ES25 SLEEVE, 1.50 LONG     | 4   |
| 12X70MMB  | 12MM X 70MM METRIC BOLT    | 2   |
| 716USSW   | 7/16 USS FLAT WASHER       | 4   |
| 12MMN     | 12MM NYLON INSERT LOCK NUT | 2   |

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

1. With vehicle on flat level ground, set emergency brake & chock rear tires \ wheels.
2. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual.
3. Remove front tires \ wheels using a 22mm socket.
4. Remove OEM front skid plate using a 13mm socket \ wrench. (Photo # 1)
5. Remove OEM front sway bar end link lower mount from OEM axle mount using a 18mm socket \ wrench. (Photo # 2)
6. Remove OEM front sway bar end link upper mount from OEM sway bar using a 6mm hex key socket \ wrench & 18mm socket \ wrench. (Photo # 3)



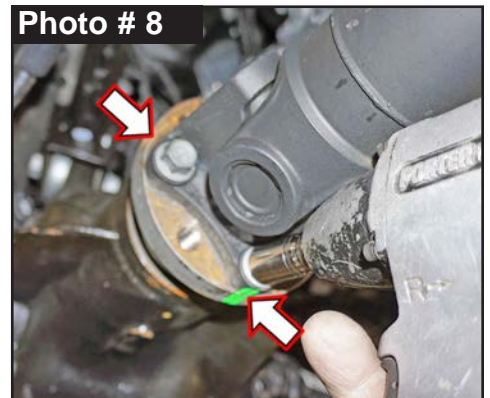
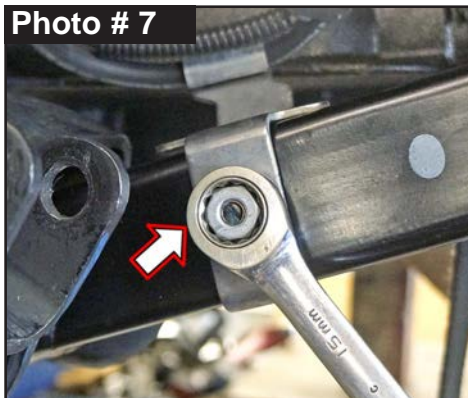
7. Disconnect OEM front track bar from frame mount using a 21mm socket \ wrench. (Photo # 4)
8. Disconnect OEM drag link from OEM pitman arm using a 21mm socket \ wrench. (Photo # 5)
9. Disconnect OEM front shock from upper shock tower mount & lower axle mount using a 18mm socket \ wrench. (Photo # 6)



10. Disconnect OEM front brake line bracket from OEM front lower control arms using a 15mm socket \ wrench. (Photo # 7)

11. For proper driveshaft reassembly realignment, mark position of OEM front differential flange & OEM driveshaft flange. (Photo # 8)

Remove four (4) OEM front driveshaft mounting bolts from OEM differential using a 15mm socket \ wrench.



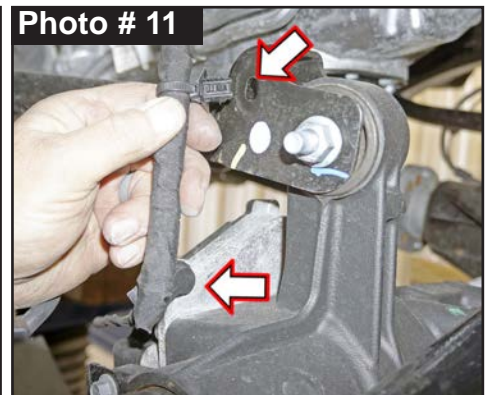
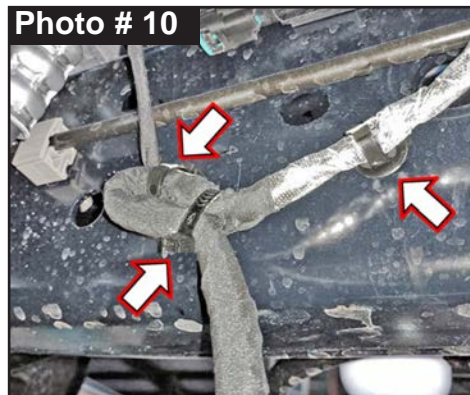
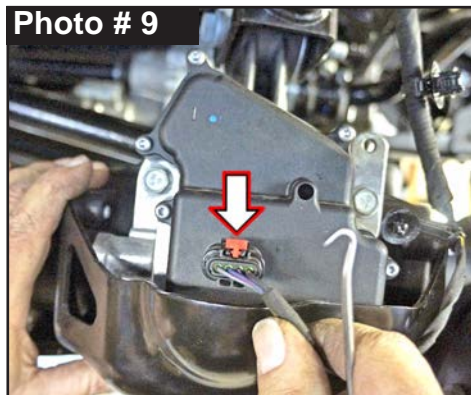
**Tech Note:** Secure driveshaft safely up & out of way with a bungee or other method.

12. OEM Center Axle Disconnect (CAD) 4WD Actuator, must be disconnected. Disconnect wiring harness from Passenger Side at OEM front upper control arm axle mount. (Photo # 9)

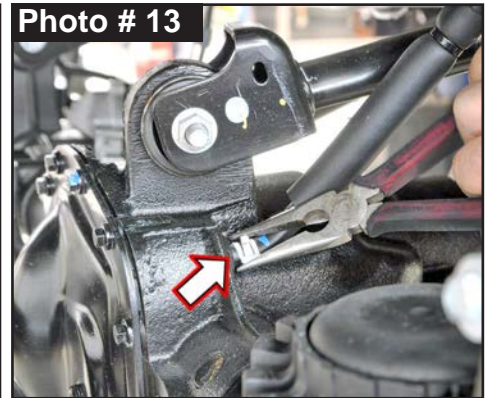
**Tech Note:** Red safety lock clip must be slid rearward to unlock. Press & hold rearward tang down, grab connector & pull away while from plug-in.

13. OEM Center Axle Disconnect (CAD) 4WD Actuator, on passenger side located at inner frame rail above axle, remove cable tie from wiring harness. Unclip wiring harness clips from frame using a plastic fastener removal tool. (Photo # 10)

OEM Center Axle Disconnect (CAD) 4WD Actuator, on passenger side unclip wiring clips from front axle using a plastic fastener removal tool. (Photo # 11)

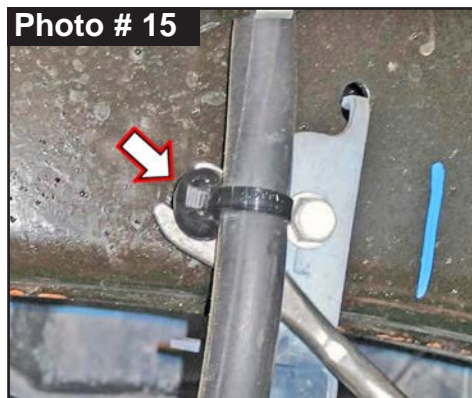
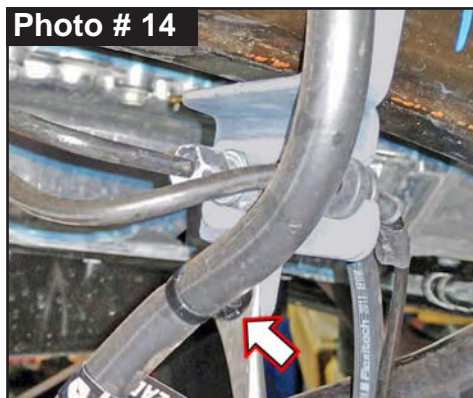


14. **Rubicon Models:** Disconnect OEM front locker. On driver side located at 'inner' frame rail above axle, unplug OEM harness plug. (Photo # 12) **Tech Note:** Red safety lock clip must be slid rearward to unlock. Press & hold rearward tang down, grab connector & pull away while from plug-in. Unclip wiring harness clips from frame using a plastic fastener removal tool. (Photo # 12)



15. Disconnect OEM vent hose clip from front differential using pliers. (Photo # 13)

16. Locate OEM brake line bracket attached on driver side frame to rear of shock tower. Unclip axle vent hose clip from brake line bracket using a plastic fastener removal tool. (Photo # 14) Follow vent tube up & unclip frame attachment using a plastic fastener removal tool. (Photo # 15) Continue to follow vent tube up & unclip from shock tower (behind OEM inner fender liner) using a plastic fastener removal tool. (Photo # 16)

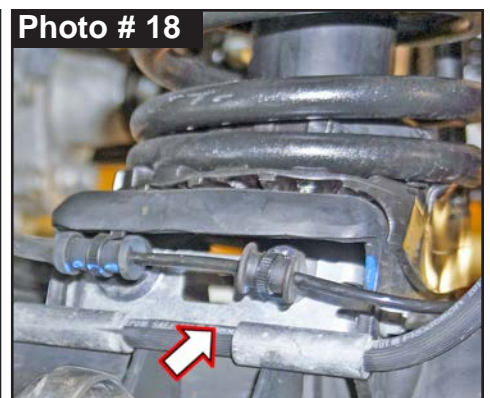
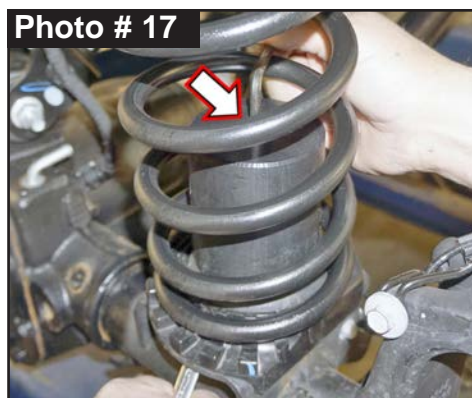


17. While checking for appropriate slack in ABS lines, brake lines, axle vent hose & etc. Lower front axle. Remove OEM front coil springs & rubber isolators.

18. Skyjacker Front Coil Springs Are Not Side Specific. Place Skyjacker # ABSS2535 Front Bump Stop Spacer inside Skyjacker Front Coil Spring.

Install front coil spring with bump stop spacer inside. Insert coil spring into upper tower first. **Note:** Make sure OEM coil spring isolator is properly aligned in upper OEM tab mount. Be sure coil is indexed to seat properly, then raise axle enough to hold coil springs in place.

Insert supplied 3/8" x 4-1/2" Button Head Bolt into bump stop spacer. Align bolt into hole of OEM lower spring mount pad. (Photo # 17)



Reach under spring mount pad & above axle tube to install supplied 3/8" SAE Washer & 3/8" Nylon Insert Lock Nut onto bolt. Tighten bump stop spacer into place using a 7/32" hex key socket \ wrench & 9/16" socket \ wrench. Torque 25 ft-lbs.

**Tech Note:** On passenger side, it may be necessary to remove ABS bracket to install bump stop spacer lock nut. At rear of axle above shock mount, remove ABS mounting bracket using a 10mm socket \ wrench. (Photo # 18) Once bump stop spacer is installed, reinstall ABS bracket.

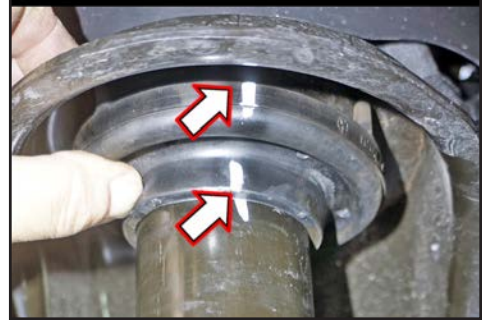
19. Raise front axle to load Skyjacker front coil springs.

**Note:** There has been occasional reports of passenger side coil spring having an inward bow after installation. If so, OEM upper coil spring isolator can be rotated 180 degrees.

Mark OEM position of passenger side OEM upper coil spring isolator. (Photo # 19) Remove two (2) alignment pins on top of passenger side OEM upper coil spring isolator using diagonal cutting pliers or similar tool.

Rotate passenger side OEM upper coil spring isolator so thicker portion is on inside toward frame.

Photo # 19 Passenger Side Front →



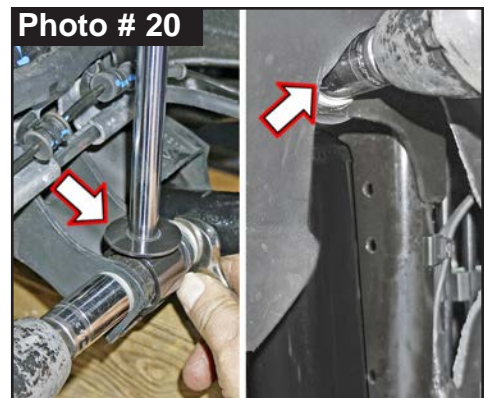
**NOTE: Kit With Black MAX \ M95 Monotube: Proceed to Step 20.**  
**Kit With ADX 2.0 Remote Reservoir: Proceed to Step 21.**

20. Install Skyjacker front shock with OEM hardware at upper shock tower mount using a 18mm socket \ wrench. Secure, but **Do Not Completely Tighten** at this time. (Photo # 20)

**Tech Note:** Black MAX & M95 Monotube are to be mounted with cylinder body up for proper installation of pre-installed upper mount bushings.

**Note:** Upper shock mount has a OEM fixed nut welded onto frame. Be careful not to dislodge nor over tighten this nut.

Connect Skyjacker shock at lower axle mount with OEM hardware using a 18mm socket \ wrench. (Photo # 20) Secure, but **Do Not Completely Tighten** at this time. To set bushings properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels.



21. **Tech Note:** ADX Remote Reservoir are to be mounted with cylinder body up & remote reservoir toward rear for proper clearance (opposite side of coil spring mount). (Photo # 21 & # 22)

Locate Skyjacker ADX front shock. Loosely assemble two (2) supplied reservoir clamps with two (2) supplied hex head bolts using a hex key socket (one (1) front & one (1) back).

Position clamp into place around shock body & reservoir cylinder. Secure, but **Do Not Completely Tighten**.

Photo # 21 Driver Side ← Front

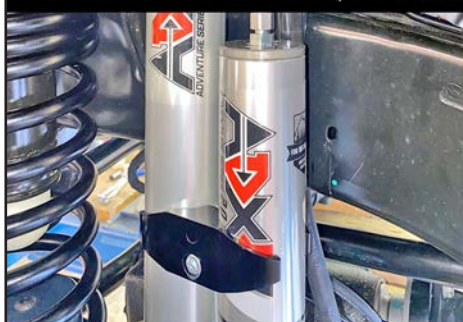
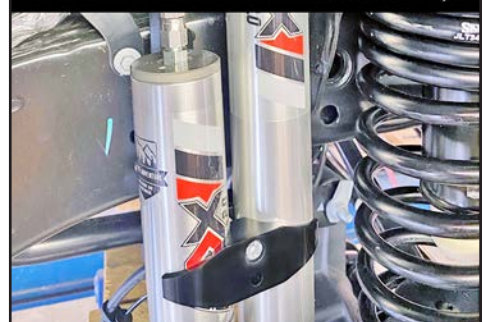


Photo # 22 Passenger Side Front →



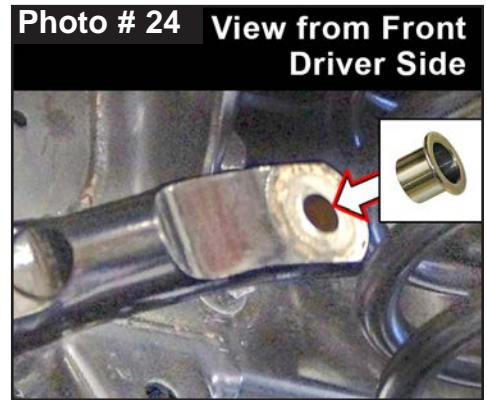
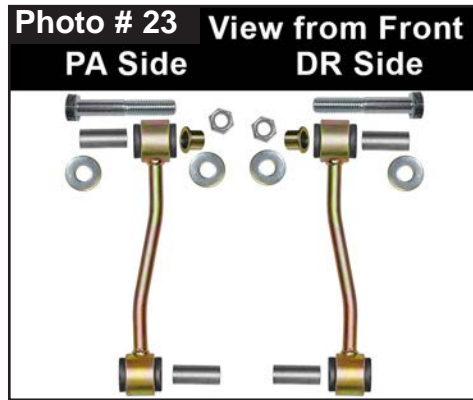
Install Skyjacker ADX front shock. Connect upper shock mount with OEM hardware at upper shock tower mount using a 18mm socket \ wrench. **Note:** Upper shock mount has a OEM fixed nut welded onto frame. Be careful not to dislodge nor over tighten this nut.

Connect lower axle mount with OEM hardware using a 18mm socket \ wrench. Secure, but **Do Not Completely Tighten** at this time. To set bushings properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels.

22. **Note:** Skyjacker Sway Bar End Links Are Not Side Specific. Installation Direction \ Position Is Side Specific. (Photo # 23)

Coat supplied # ES25 1.50 Long Steel Sleeves with a water resistant grease.

Press Sleeves into supplied Sway Bar End Link Eyes.



23. **Note:** Skyjacker # 1412BSG-S Sway Bar Reducer Bushing is supplied for **All 2024+ Models.**

Insert Sway Bar Reducer Bushing into OEM sway bar from outside-to-inside.

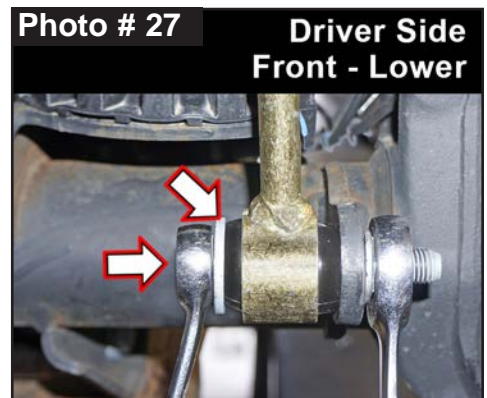
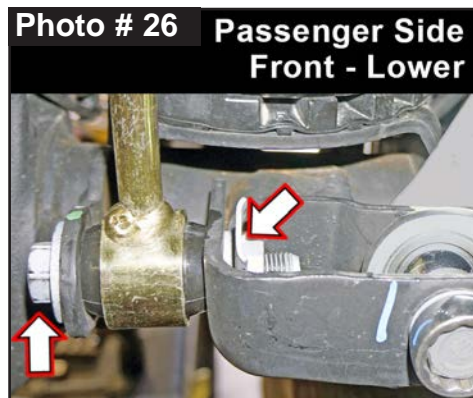
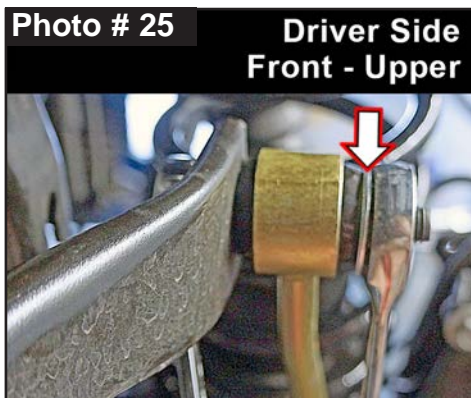
(Photo # 24)

24. Install Skyjacker Sway Bar End Link Assembly upper eye mount with supplied 12mm x 70mm Bolt with a 7/16" USS Washer from inside-to-outside through sway bar.

Attach with a 7/16" USS Washer & 12mm Nylon Insert Lock Nut using a 19mm socket \ wrench. (Photo # 25) Secure, but **Do Not Completely Tighten.**

25. Install Skyjacker Sway Bar End Link Assembly lower eye mount with OEM hardware using a 18mm socket \ wrench. (Photo # 26) Secure, but **Do Not Completely Tighten.**

**Note:** On Driver Side, install lower OEM bolt head with large washer from inside-to-outside through outer bushing side of end link. (Photo # 27) Secure, but **Do Not Completely Tighten.**

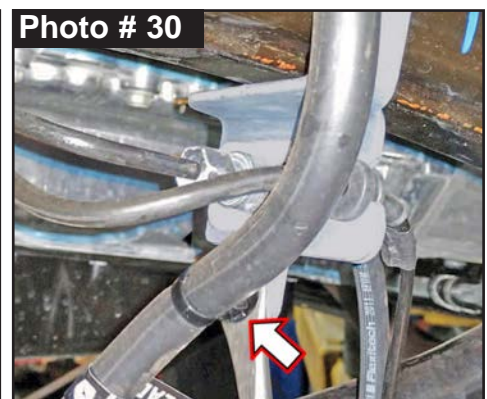
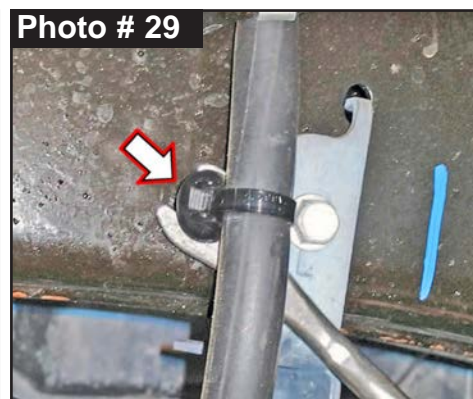


26. Connect OEM axle vent hose at OEM mounts.

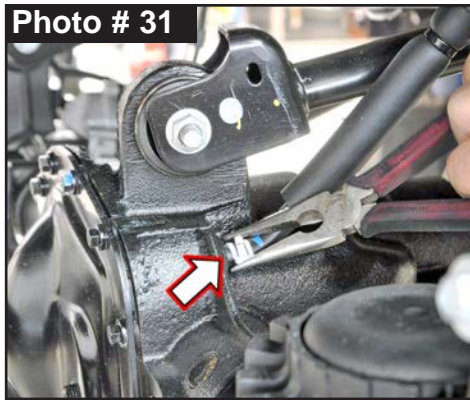
Clip at shock tower mount (behind OEM inner fender liner). (Photo # 28)

Clip at frame attachment. (Photo # 29)

Clip axle vent hose clip to brake line bracket. (Photo # 30)



27. Connect OEM vent hose \ clip to front differential using pliers. (Photo # 31)



28. **Rubicon Models:** Connect OEM front locker on driver side. (Photo # 32) **Tech Note:** Pull out on connector to verify that it is securely plugged in properly.

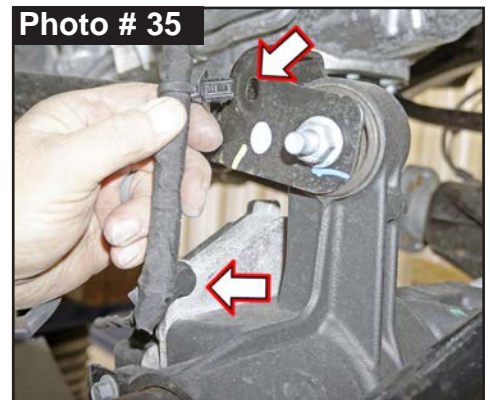
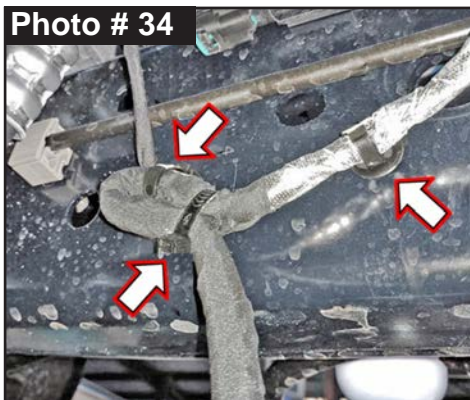
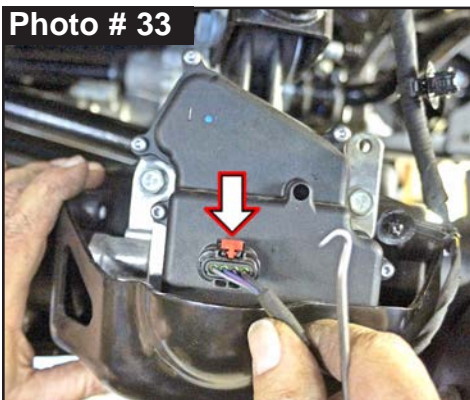


Clip wiring harness clips to frame. (Photo # 32)

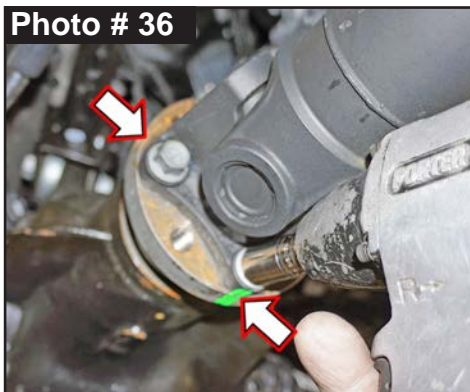
29. Connect OEM Center Axle Disconnect (CAD) 4WD Actuator, on passenger side located at inner frame rail above axle. (Photo # 33) **Tech Note:** Pull out on connector to verify that it is securely plugged in properly.

Attach wiring harness clip to frame. (Photo # 34)

Attach wiring clip to front axle. (Photo # 35)



30. Raise front axle to align marks on OEM front driveshaft \ flange & connect driveshaft with OEM hardware using a 15mm socket \ wrench. (Photo # 36) Torque 89 ft-lbs.



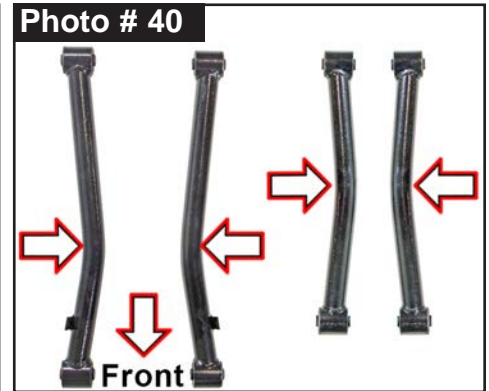
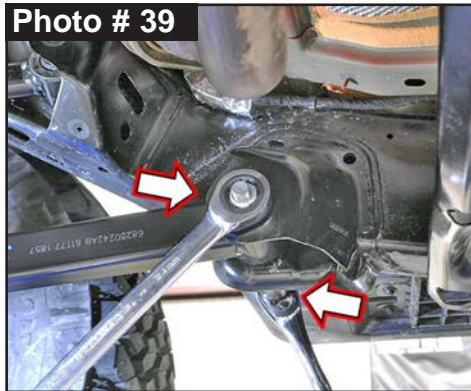
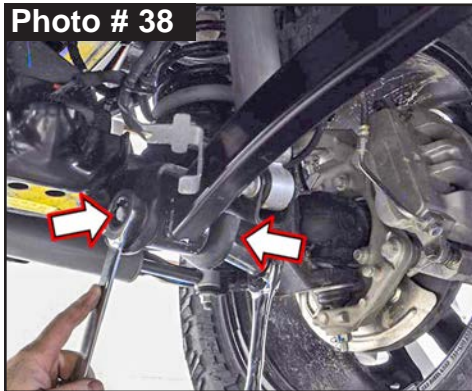
31. Connect OEM drag link to OEM pitman arm with OEM hardware using a 21mm socket \ wrench. (Photo # 37) **Note:** Drag Link Must Be Adjusted to Center the Steering Wheel Before the Vehicle Is Driven. Failure to Do So Will Cause Computer Errors, Odd Handling Characteristics, & Poor Performance.

Note: Perform Steps 32-35 on One Side at a Time.

32. Remove OEM front lower control arm from front axle mount & upper frame mount using a 21mm & 24mm socket \ wrench. (Photo # 38 & # 39)

33. Skyjacker Front Lower Links Are Side Specific:

# JL24LLFD-L Driver Side & # JL24LLFP-L Passenger Side. Note: Install Skyjacker Front Lower Link with brake line bracket tab toward outside \ front & link offset bend toward inside of vehicle. (Photo # 40)



34. Install appropriate Skyjacker Front Lower Link with OEM hardware.

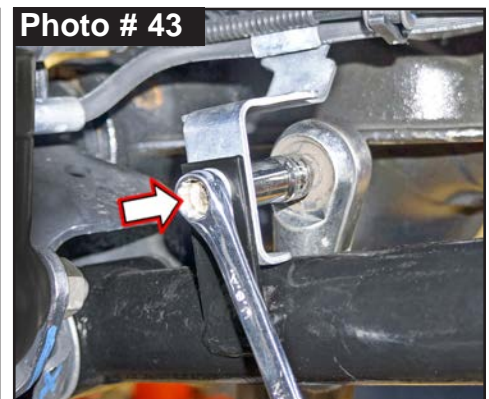
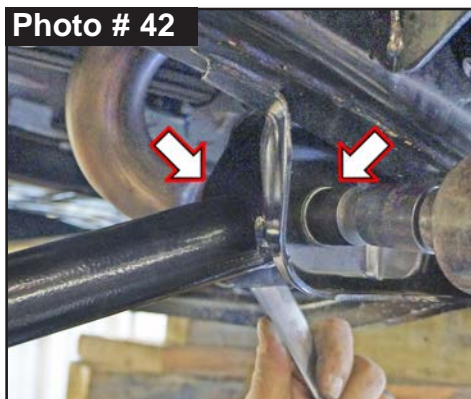
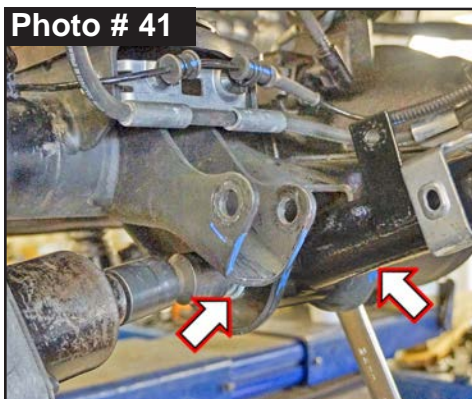
Insert OEM hardware from inside-to-outside.

Attach using a 21mm & 24mm socket \ wrench. (Photo # 41 & # 42)

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

35. Attach OEM front brake line bracket to inside of Skyjacker Link brake line bracket tab with supplied 1/4" x 1" Fine Thread Bolt with 1/4" SAE Washer.

Attach with 1/4" SAE Washer & 1/4" Nylon Insert Lock Nut using a 7/16" socket \ wrench. (Photo # 43)



Note: Perform Steps 32-35 on Opposite Side. Then Proceed to Step 36.

36. Install OEM front skid plate with OEM hardware using a 13mm socket \ wrench. (Photo # 44)

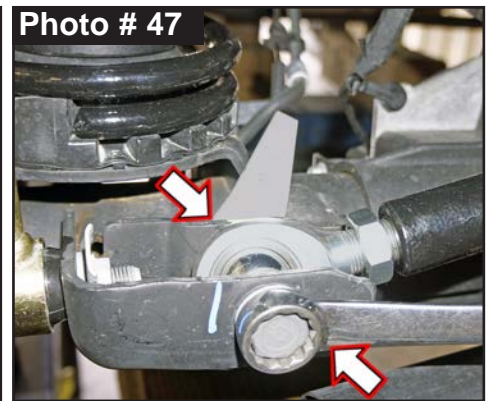
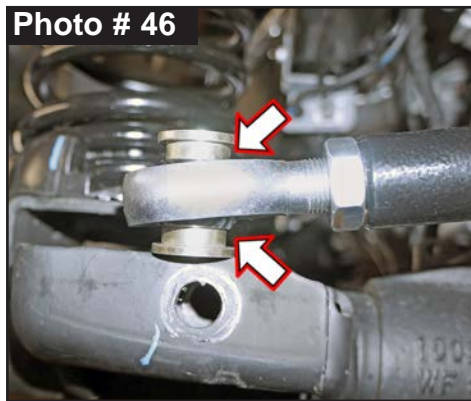
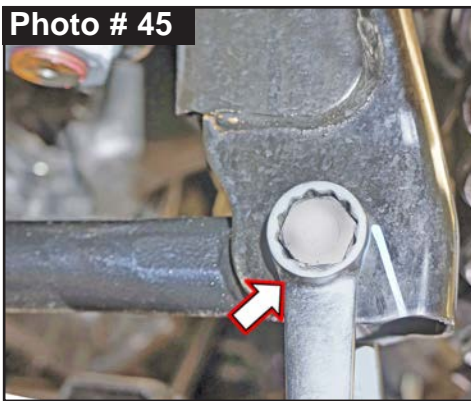
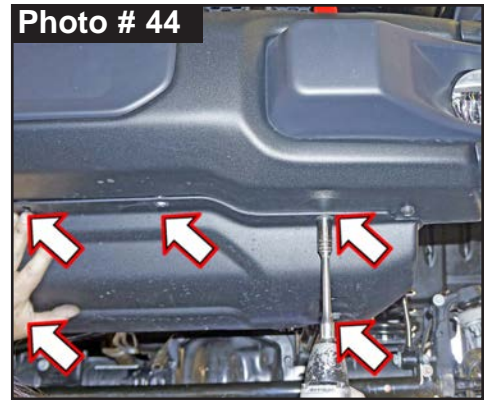
37. Install front tires \ wheels using a 22mm socket. Lower vehicle to ground. Torque lugs to OEM service manual specifications.

38. Make sure that tires \ wheels are pointed straight ahead. Install fixed end of Skyjacker # JLFTBA18-B Front Adjustable Track Bar to frame with OEM hardware using a 21mm socket \ wrench. (Photo # 45) Secure, but **Do Not Completely Tighten** at this time.

39. Install supplied # JLFTBB Rod End Bushings onto rod end of Skyjacker track bar. (Photo # 46)

Install rod end assembly into front axle mount with OEM hardware using a 21mm socket \ wrench. (Photo # 47) **Note:** Secure, but **Do Not Completely Tighten** at this time.

**Tech Note:** It may be necessary to turn steering wheel to align track rod end with mount.



40. **Adjust \ Align Track Bar:** Check front of vehicle to make sure body is centered over front tires \ wheels. Using a measuring tape, measure from inside of tire to frame on driver side, then measure passenger side.

Compare two measurements; aim is to make both sides equal. **Note:** If driver side measurement is greater than passenger side, track bar needs to be lengthened. If passenger side measurement is greater than driver side, track bar needs to be shortened.

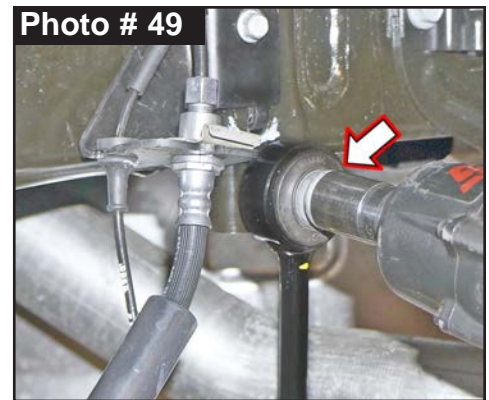
Remove adjustable rod end of track bar, loosen jam nut using a 1-1/8" wrench & turn rod end to adjust in or out. Once body is properly aligned over front tires \ wheels, tighten OEM hardware using a 21mm socket \ wrench.

Fully tighten all OEM hardware at upper frame mount & axle mount. Fully tighten jam nut of Skyjacker adjustable front track bar using a 1-1/8" wrench.

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

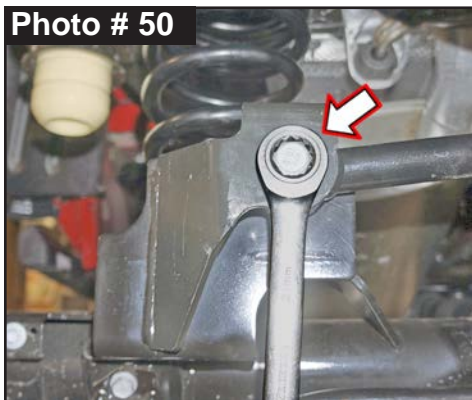
1. Chock front tires \ wheels. Raise rear of vehicle & support frame rails using jack stands at indicated lift points in OEM service manual.
2. Remove rear tires \ wheels using a 22mm socket.

3. Remove OEM rear sway bar end link. Disconnect lower link at sway bar using a 6mm hex key socket \ wrench & 18mm socket \ wrench. (Photo # 48)



Disconnect upper link at outside frame using a 21mm socket \ wrench. (Photo # 49)

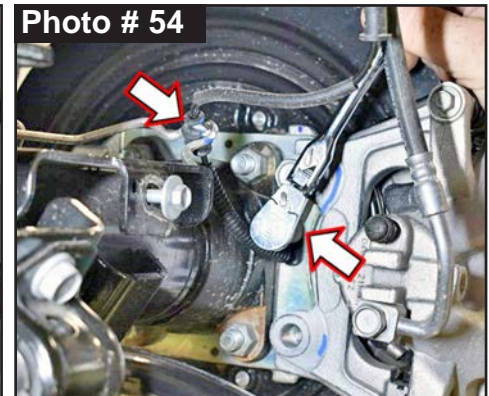
4. Disconnect OEM rear track bar from rear axle mount using a 21mm socket \ wrench. (Photo # 50) **Tech Note:** It may be necessary to raise \ lower axle to take pressure off track bar bolt. Retain OEM hardware.
5. Disconnect OEM rear shock at upper & lower hardware using a 21mm socket \ wrench. (Photo # 51 & # 52) Remove OEM rear shocks & retain hardware.



6. **Rubicon Models:** OEM 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. **Tech Note:** Safety lock clip must be slid rearward to unlock. Press & hold rearward tang down, grab connector & pull away while from plug-in.

Follow OEM locker wiring harness up & unclip harness clamps from emergency brake cable. Continue up OEM locker wiring harness & unclip two (2) wiring harness clips from driver side inner frame rail above axle using a plastic fastener removal tool.

7. Disconnect OEM ABS bracket from axle mount using a 10mm socket \ wrench. (Photo # 53)
- Disconnect OEM ABS sensor from brake caliper bracket using a 8mm socket \ wrench. (Photo # 54)



8. Loosen, but **Do Not Remove** rear OEM upper & lower control arm links. (Photo # 55) Loosen at OEM frame & axle mounts using a 21mm & 24mm socket\wrench.
9. While checking for appropriate slack in ABS lines, brake lines, differential vent hose & etc. **RUBICON Models:** Watch rear locker connections.

Lower rear axle & remove OEM rear coil springs.

**Tech Note:** OEM upper coil spring isolators are Side Specific to properly align with coil\frame mounts.

Place upper coil spring isolator in upper coil bucket. Mark orientation on isolator & upper coil bucket. (Photo # 56) Mark top of isolators: DR & PA also. (Photo # 57)

Photo # 55

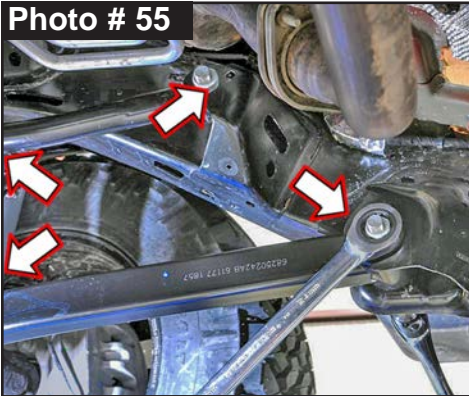


Photo # 56



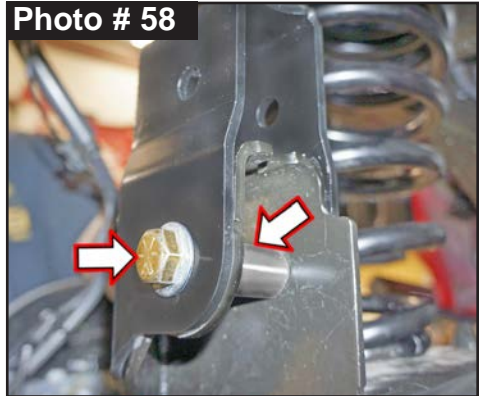
Photo # 57



10. Place Skyjacker # JTGRTB-B Rear Lower Track Bar Bracket over OEM rear lower track bar bracket at axle. (Photo # 58) Align bracket holes with OEM holes. Insert supplied 9/16" x 3-1/2" Fine Thread Bolt with 9/16 SAE Washer from rear-to-front through bracket \ axle mount. (Photo # 58)

Place #TBS1656 Crush Sleeve inside OEM mount & insert bolt through bracket \ axle mount. Attach with 9/16" SAE Washer & 9/16" Nylon Insert Lock Nut using a 13/16" & 7/8" socket \ wrench. (Photo # 58)

Photo # 58



11. Use Skyjacker bracket as a guide to mark \ scribe, center punch & drill two (2) support tab mounting locations Skyjacker bracket using a 7/16" drill bit. (Photo # 59 & # 60)

12. Attach Skyjacker lower track bar bracket \ axle mount with supplied 7/16" x 1-1/4" Fine Thread Bolt with 7/16" SAE Washer outside & 7/16" SAE Washer with 7/16" Nylon Insert Lock Nut inside using a 5/8" socket \ wrench. (Photo # 61)

Photo # 59

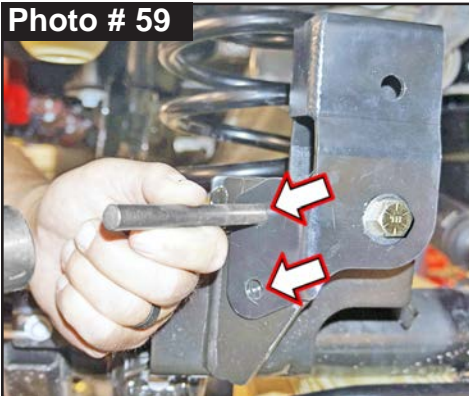


Photo # 60

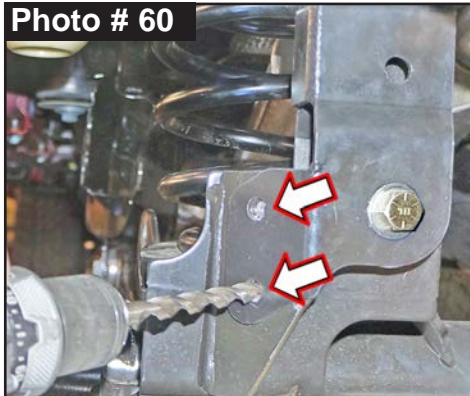
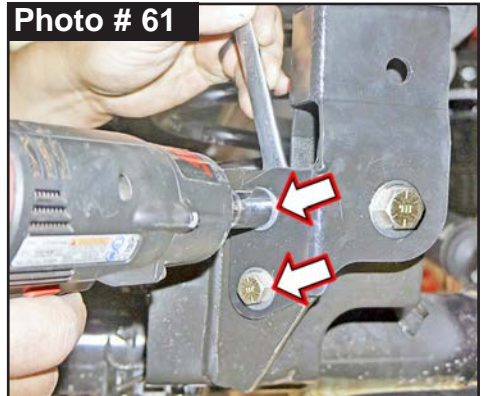
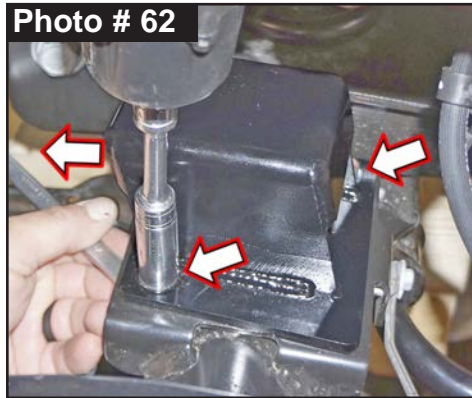


Photo # 61



13. Install Skyjacker # JTG30RBS-S Rear Bump Stop Spacer to each OEM rear axle bump stop pad with supplied 5/16" x 1" Fine Thread Bolt with a 5/16" SAE Washer on top & a 5/16" SAE Washer with 5/16" Nylon Insert Lock Nut on bottom using 1/2" wrenches. (Photo # 62)

**Note:** Install Skyjacker bump stop spacer with forward angle toward front of vehicle.



14. Skyjacker Rear Coil Springs Are Two (2) Different Lengths \ Heights. Taller rear coil spring is to be installed on OEM fuel tank side of vehicle. Shorter rear coil spring is to be installed on opposite side of vehicle.

Install Skyjacker rear coil springs. (Photo # 63) **Note:** Be sure that tab of each OEM upper coil spring isolator is aligned with previous marks & tab hole of OEM upper coil spring mount. (Photo # 56 & # 57) Raise rear axle in order to load Skyjacker rear coil springs.

**Note:** Perform Step 15 on One Side at a Time.

15. **Note:** Skyjacker Rear Upper Links Are Not Side Specific. # JTGULR24-L Driver or Passenger One side at a time, remove OEM rear upper link. (Photo # 64)

Install Skyjacker # JTGULR24-L Rear Upper Link assembly with OEM hardware using a 21mm & a 24mm socket \ wrench. (Photo # 65 & # 66) Secure, but **Do Not Completely Tighten.**

**Tech Note:** Install with bushing mount at upper frame mount & with rod end attached to OEM frame mount.



**Note:** Perform Step 15 on Opposite Side. Proceed to Next Steps.

**NOTE:** Kit With Black MAX \ M95 Monotube: Proceed to Step 16.

Kit With ADX 2.0 Remote Reservoir: Proceed to Step 17.

16. Install Skyjacker rear shock with OEM hardware using a 18mm socket \ wrench. Secure, but **Do Not Completely Tighten.**

**Tech Note:** Black MAX & M95 Monotube are to be mounted with cylinder body down & rod end up for proper installation of pre-installed upper mount bushings. (Photo # 67 & # 68)



Secure, but **Do Not Completely Tighten.**

17. **Tech Note:** ADX Remote Reservoir are to be mounted with cylinder body up & remote reservoir toward rear for proper clearance. (Photo # 69 & # 70)

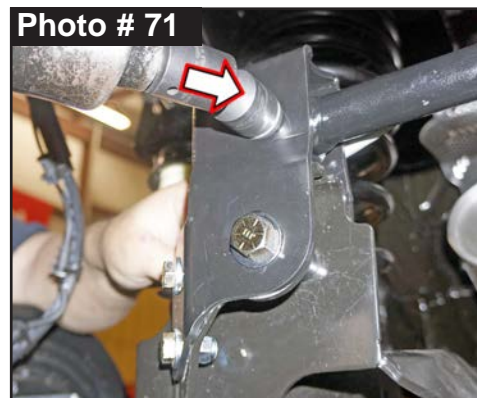
Loosely assemble two (2) supplied reservoir clamps with two (2) supplied hex head bolts using a hex key socket. Position clamp into place around shock & reservoir cylinder. Secure, but **Do Not Completely Tighten.**

Install Skyjacker ADX rear shock with OEM hardware using a 18mm socket \ wrench. Secure, but **Do Not Completely Tighten.**



Secure, but **Do Not Completely Tighten.**

18. Connect OEM rear track bar to Skyjacker lower track bar bracket \ axle mount with OEM bolt & tab nut using a 21mm socket \ wrench. (Photo # 71) **Note:** Install OEM bolt from rear-to-front of vehicle. **Tech Note:** It may be necessary to raise \ lower axle to align track bar bolt. Secure, but **Do Not Completely Tighten.**

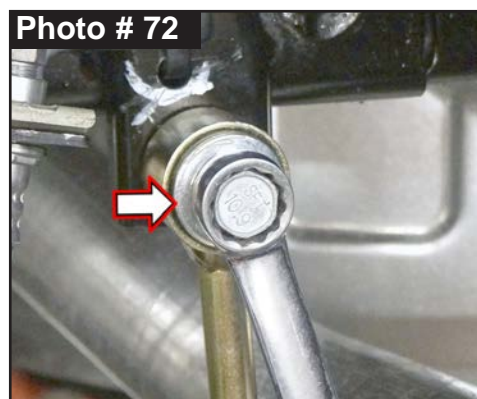


19. Skyjacker # SBE507-L Rear Sway Bar End Links Are Not Side Specific.

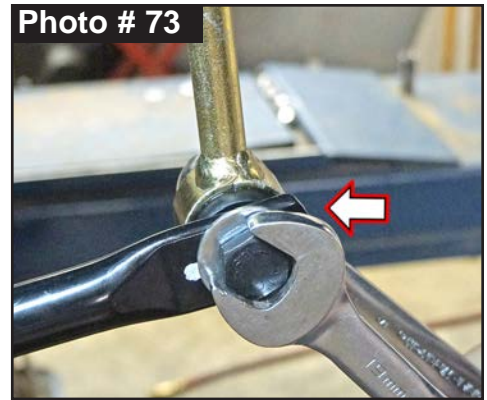
Coat supplied # 403712 1.25" Long Steel Sleeves with a water resistant grease.

Press Sleeves into supplied Sway Bar End Link Eyes.

20. Install Skyjacker upper end link mount to OEM frame mount with OEM hardware & supplied 7/16 USS Flat Washer to bushing side of end link using a 18mm socket \ wrench. (Photo # 72) Secure, but **Do Not Completely Tighten.**



21. Install Skyjacker lower end link mount to OEM sway bar with supplied 12mm x 65mm Bolt with a 7/16" USS Washer from outside of vehicle inward through sway bar. Attach with a 7/16" USS Washer & 12mm Nylon Insert Lock Nut on inside using a 18mm socket \ wrench. (Photo # 73) Secure, but **Do Not Completely Tighten**.

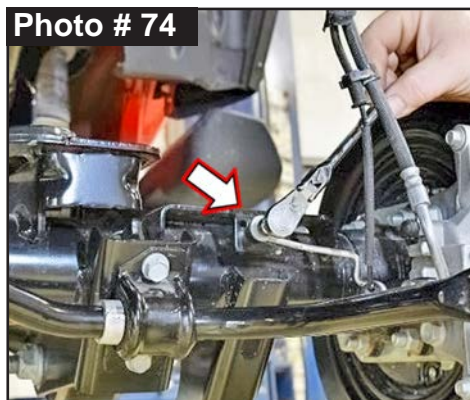


22. **Rubicon Models:** Reconnect OEM rear locker wiring harness to side of center differential housing. **Tech Note:** Pull out on connector to verify that it is securely plugged in properly.

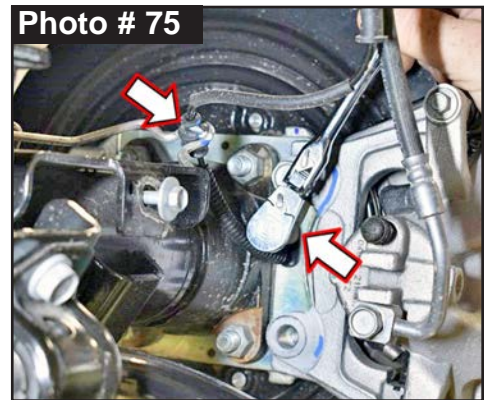
Follow OEM locker wiring harness up & reattach OEM wiring harness clamps to OEM emergency brake cable.

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

23. Connect OEM ABS sensor to brake caliper bracket using a 8mm socket \ wrench. (Photo # 74)



24. Connect OEM ABS bracket to axle mount using a 10mm socket \ wrench. (Photo # 75)



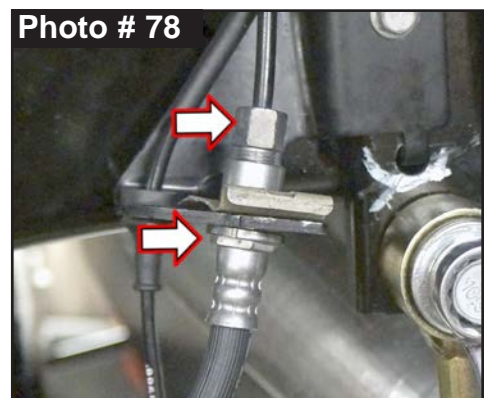
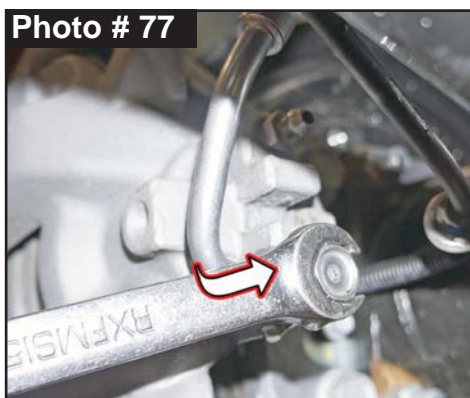
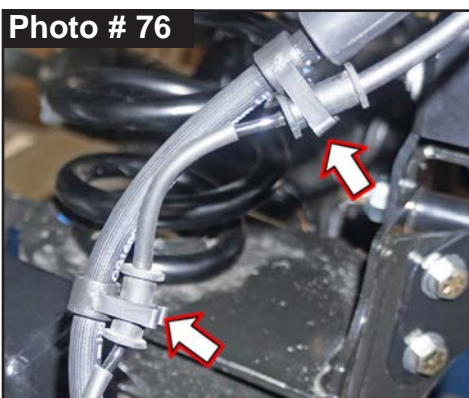
25. Connect OEM vent tube to rear axle using pliers.

**NOTE:** Brake line installation should be done by a professional mechanic. After installation of Skyjacker # RBL55-S Rear Brake Lines, vehicle's brake system will need to be bleed & purged of any air in lines before vehicle can be driven. It is suggested to familiarize yourself with brake bleeding process before beginning installation of Skyjacker brake lines. A brake bleeding tool is useful, but bleeding brake system should be done by two (2) professional mechanics.

26. Unclip all ABS line rubber grommets from OEM brake line rubber keepers. (Photo # 76)

Disconnect OEM brake line banjo fitting bolt at brake caliper using a 15mm brake line \ flare nut wrench. (Photo # 77)

Disconnect OEM brake line from frame mount using a 12mm & 16mm brake line \ flare nut wrench. (Photo # 78)



27. Remove OEM spring clip from frame mount using pliers or screwdriver. (Photo # 79)

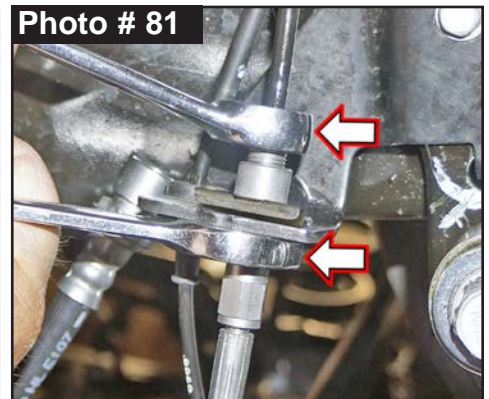
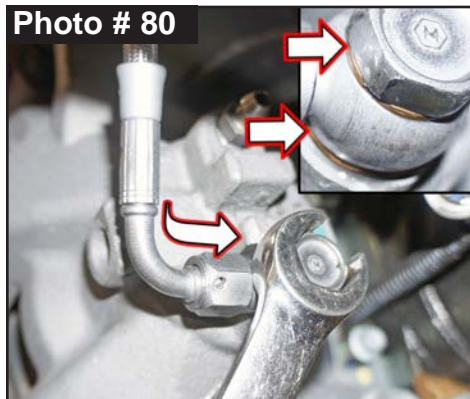
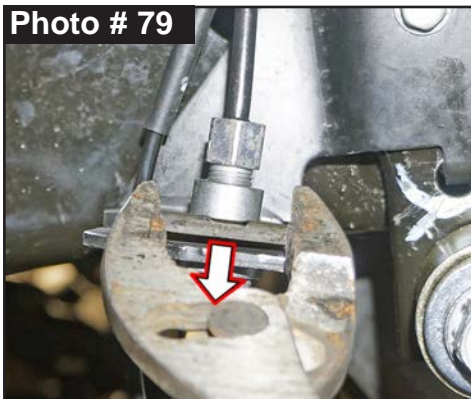
Attach Skyjacker brake line banjo fitting to OEM caliper with OEM banjo bolt & supplied 3/8" Copper Crush Washers. Install with one (1) supplied 3/8" Copper Crush Washer on each side of Skyjacker banjo fitting using a 15mm flare nut wrench. (Photo # 80)

**Note:** Install with brake line bend at same angle as OEM. Torque 26 ft-lbs.

Route Skyjacker brake line around suspension components same as OEM up to frame mount. Insert brake line fitting through OEM frame mount.

Carefully thread OEM male brake hard line nut into female fitting on Skyjacker brake line.

**Note:** Take care to not cross thread fittings. Tighten using a 12mm flare nut wrench on OEM brake line & a 5/8" flare nut wrench on Skyjacker brake line. (Photo # 81)



28. Install supplied Skyjacker #HC1 Brake Line Clip between OEM frame mount & top of Skyjacker brake line. Line up clip & tap it into position with a rubber mallet to secure it in place.

29. Lubricate OEM ABS line rubber grommets at frame using a spray lubricant. Adjust upward in order to reconnect OEM ABS line to OEM ABS line frame bracket.

30. Remove OEM ABS line clip on OEM hard brake line. Relocate downward with supplied plastic ties. Trim with diagonal cutting pliers. (Photo # 82)



31. Attach OEM ABS line at rubber grommets to Skyjacker brake lines with supplied plastic ties. Trim with diagonal cutting pliers. (Photo # 83)

32. Bleed air from brake system as instructed by OEM service manual. Avoid getting brake fluid on painted surfaces. **CAUTION: Do Not Drive Vehicle** until you have made sure that all air is out of brake line system & you have a firm brake pedal.

Check all brake line connections for leaks & tighten as necessary. **Tech Note:** A spray bottle of water works well to clean up residual brake fluid when installation is complete.

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

## Final Clearance Check & Torque Steps:

**Note:** Check Front Center Axle Disconnect (CAD) connection & on **RUBICON** Models: Check Front & Rear locker connections.

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 & ADX Shocks & Reservoirs, control arms, brake hoses, ABS wiring, etc.

**CAUTION:** Make Sure ADX Shock Reservoir \ Reservoir Hose Does Not & Will Not Make Contact with Anything Throughout Full Travel Cycle of Suspension. (Tire \ wheel, frame rail, frame brackets, springs, brake lines, exhaust, etc.) For proper clearance, it may be necessary to change location or orientation of reservoir on shock body. Use a hex key socket to loosen clamps to position reservoir cylinder as needed.

### 3. Front Tighten & Torque Sequence.

Skyjacker track bar at frame using a 21mm wrench. Torque 52 ft-lbs. + 115°

Skyjacker track bar at axle using a 21mm wrench. Torque 52 ft-lbs. + 115°

Front shock absorber upper mount using a 18mm wrench. Torque 81 ft-lbs.

Front shock absorber lower mount using a 18mm wrench. Torque 74 ft-lbs.

ADX Reservoir clamp. Double check position & clearance. Tighten with hex key socket.

Skyjacker sway bar end link upper bolt using a 19mm socket \ wrench. Torque 59 ft-lbs.

Skyjacker sway bar end link lower bolt using a 18mm socket \ wrench. Torque 59 ft-lbs.

Skyjacker front lower links bolts using a 21mm & 24mm socket \ wrench. Torque 125 ft-lbs.

### 4. Rear Tighten & Torque Sequence.

Skyjacker track bar bracket bolts. 7/16" Bolts Torque 65 ft-lbs. 9/16" Bolt Torque 130 ft-lbs.

Track bar at Skyjacker bracket. Torque 130 ft-lbs.

Rear shock absorber upper mount using a 18mm socket \ wrench. Torque 81 ft-lbs.

Rear shock absorber lower mount using a 18mm socket \ wrench. Torque 74 ft-lbs.

ADX Reservoir clamp. Double check position & clearance. Tighten with hex key socket.

Skyjacker sway bar end link mounts using a 18mm socket \ wrench. Torque 59 ft-lbs.

Skyjacker rear upper links bolts using a 21mm & 24mm socket \ wrench. Torque 125 ft-lbs.

## 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 |
| <b>Above Specifications Are Not to Be Used<br/>When Bolt Is Being Installed With a Bushing.</b> |            |            |               |            |            |



Check Out Our Favorite Ministries at:

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

## 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! Amen.

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

Que si confiesas con tu boca que Jesús es el Señor, y crees en tu corazón que Dios lo levantó de entre los muertos, serás salvo. 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! Amén.

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)

# SKYJACKER

## SUSPENSIONS

SKYJACKER.COM

### Jeep Wrangler JL Rubicon & Non-Rubicon Models Jeep Gladiator JT Rubicon & Non-Rubicon Models 3.5"-6" Front Coilover Kit Installation Instructions

#### Required Tools List:

- SAE Sockets \ Wrenches  
(5/16", 5/8", 9/16" & 3/4")
- Metric Sockets \ Wrenches  
(8mm, 10mm, 13mm, 15mm, 18mm,  
21mm, 22mm & 24mm)
- Plastic Fastener Clip Removal Tool
- Plastic Rivet Setter For 3/16"-1/4" Rivets
- 1/8" & 3/8" Short Length Drill Bits
- 1/8" & 3/8" Drill Bits
- Angle Drill
- Drill
- Safety Glasses
- Jack Stands
- Wheel Chock
- Floor Jack
- Scriber Tool
- Center Punch
- Hammer
- Tin Snips
- 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 Mojave.
- 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 Front Lower Control Arms Are **Required**. Part # JLL24F-SX Includes Johnny Joints.
- Adjustable Front Upper Control Arms Are **Available**. Part # JLULF26-SX Includes Johnny Joints.
- Adjustable Front Track Bar Is **Recommended**. Part # JLFTBA18.
- A Replacement Dual Cardan CV Style Front Driveshaft With Transfer Case Output Yoke **Required**.
- Wheel Back Spacing of 4.5" Or Less Is **Recommended**.
- Drag Link Must Be Adjusted to Center Steering Wheel **Before** Vehicle Is Driven. Failure to Do So Will Cause Computer Errors, Odd Handling Characteristics, & Poor Performance.

**Jeep Wrangler JL  
Optional Coilover  
Up-Grades**



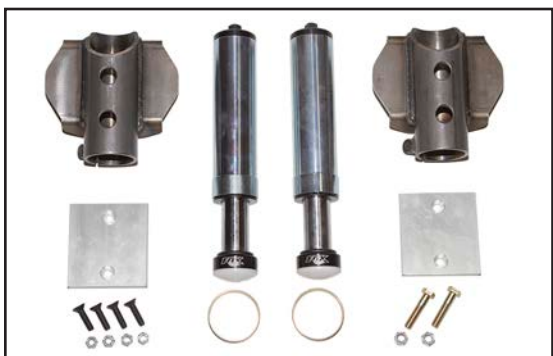
**Adjustable Front Track Bar - Part # JLFTBA18**



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



**ADX Adventure Series Coilover Kit (JL Rear)  
3.5" - 6" Lift Coilover - Part # JL36RLS  
3.5" - 6" Lift Brackets - Part # JL36RLSB**



**Rear Air Bump Stop Kit  
Part # JKLSABR**



**Adjustable Rear Track Bar - Part # JLRTBA18**

**Component Box Breakdown:****Part # JL36EF**

| Item #     | Description                  | Qty |
|------------|------------------------------|-----|
| SKY2031-PR | COILOVER SHOCK, PAIR, L & R  | 1   |
| 2.5X12X250 | SPRING, 2.5 ID\12 H\250 RATE | 2   |
| 2.5X14X350 | SPRING, 2.5 ID\14 H\350 RATE | 2   |
| LSCOWRH-S  | SPANNER WRENCH, COILOVER     | 1   |

**Part # JL36FLS**

| Item #     | Description                  | Qty |
|------------|------------------------------|-----|
| SKY2031-PR | COILOVER SHOCK, PAIR, L & R  | 1   |
| 2.5X12X200 | SPRING, 2.5 ID\12 H\200 RATE | 2   |
| 2.5X14X350 | SPRING, 2.5 ID\14 H\350 RATE | 2   |
| LSCOWRH-S  | SPANNER WRENCH, COILOVER     | 1   |

**Part # JL36FLSD**

| Item #     | Description                  | Qty |
|------------|------------------------------|-----|
| SKY2031-PR | COILOVER SHOCK, PAIR, L & R  | 1   |
| 2.5X12X250 | SPRING, 2.5 ID\12 H\250 RATE | 2   |
| 2.5X14X400 | SPRING, 2.5 ID\14 H\400 RATE | 2   |
| LSCOWRH-S  | SPANNER WRENCH, COILOVER     | 1   |

**Part # G36FLS**

| Item #     | Description                  | Qty |
|------------|------------------------------|-----|
| SKY2031-PR | COILOVER SHOCK, PAIR, L & R  | 1   |
| 2.5X12X250 | SPRING, 2.5 ID\12 H\250 RATE | 2   |
| 2.5X14X400 | SPRING, 2.5 ID\14 H\400 RATE | 2   |
| LSCOWRH-S  | SPANNER WRENCH, COILOVER     | 1   |

**Part # G36FLSD**

| Item #     | Description                  | Qty |
|------------|------------------------------|-----|
| SKY2031-PR | COILOVER SHOCK, PAIR, L & R  | 1   |
| 2.5X12X300 | SPRING, 2.5 ID\12 H\300 RATE | 2   |
| 2.5X14X400 | SPRING, 2.5 ID\14 H\400 RATE | 2   |
| LSCOWRH-S  | SPANNER WRENCH, COILOVER     | 1   |

**Part # JL36FLSB**

| Item #       | Description                 | Qty |
|--------------|-----------------------------|-----|
| JLLSBOFDU-B  | COILOVER BRKT, FRT DR UPPER | 1   |
| JLLSBOFPU-B  | COILOVER BRKT, FRT PA UPPER | 1   |
| H-BOX JLFLSB | HDWR BOX: JL36FLSB BOX      | 1   |

**Hardware Box Breakdown:****Part # H-BOX JLFLSB**

| Item #       | Description                    | Qty |
|--------------|--------------------------------|-----|
| JLLSBOFDL2-B | SHOCK BRKT, FRT DR LOWER BRKT  | 1   |
| JLLSBOFDL-3  | SHOCK BRKT, FRT DR LOWER INNER | 1   |
| JLLSBOFDL-5  | SHOCK BRKT, FRT DR LOWER OUTER | 1   |
| JLLSBOFPL2-B | SHOCK BRKT, FRT PA LOWER BRKT  | 1   |
| JLLSBOFPL-3  | SHOCK BRKT, FRT PA LOWER INNER | 1   |
| JLLSBOFPL-5  | SHOCK BRKT, FRT PA LOWER OUTER | 1   |
| JKLSBORRD-B  | REMOTE RESERVOIR BRKT, DR      | 1   |
| JKLSBORRP-B  | REMOTE RESERVOIR BRKT, PA      | 1   |
| HB-JLLSBOFL  | HDWR BAG: FRT SHOCK LOWER BRKT | 1   |
| HB-JLLSBOFU  | HDWR BAG: FRT SHOCK UPPER BRKT | 1   |

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

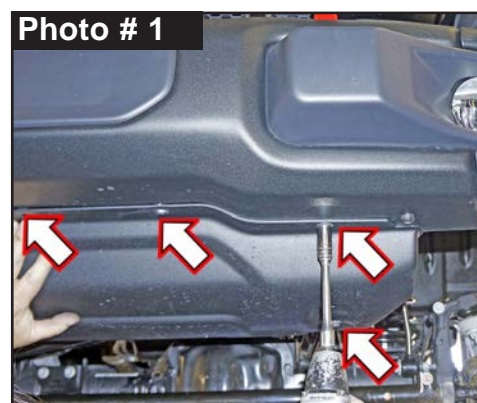
| Item #     | Description                   | Qty |
|------------|-------------------------------|-----|
| CS1565     | CRUSH SLEEVE / 1.565 LENGTH   | 2   |
| RVT14-1    | 1/4 X 0.500 BLACK NYLON RIVET | 6   |
| 12X4FTB    | 1/2 X 4 FINE THREAD BOLT      | 4   |
| 12SAEW     | 1/2 SAE WASHER                | 8   |
| 12FTN      | 1/2 FINE THREAD N/I LOCK NUT  | 4   |
| 38X114FTB  | 3/8 X 1-1/4 FINE THREAD BOLT  | 4   |
| 38SAEW     | 3/8 SAE WASHER                | 8   |
| 38FTN      | 3/8 FINE THREAD N/I LOCK NUT  | 4   |
| 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   |

**Part # HB-JLLSBOFU**

| Item #    | Description                  | Qty |
|-----------|------------------------------|-----|
| CS2752    | CRUSH SLEEVE / 2.75 LENGTH   | 2   |
| 12X234FTB | 1/2 X 2-3/4 FINE THREAD BOLT | 2   |
| 12SAEW    | 1/2 SAE WASHER               | 4   |
| 12FTN     | 1/2 FINE THREAD N/I LOCK NUT | 2   |
| 38X114FTB | 3/8 X 1-1/4 FINE THREAD BOLT | 8   |
| 38SAEW    | 3/8 SAE WASHER               | 12  |
| 38FTN     | 3/8 FINE THREAD N/I LOCK NUT | 8   |

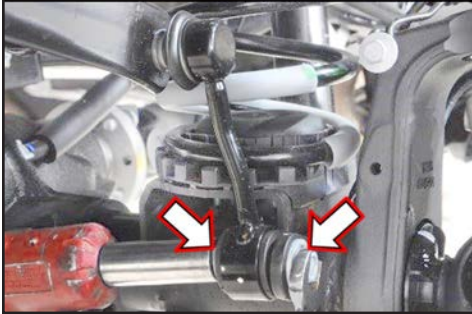
**Front Installation: Note: Save all factory components & hardware for reuse, unless noted.**

1. With vehicle on flat level ground, set emergency brake & chock rear tires\wheels.
2. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual.
3. Remove front tires\wheels using a 22mm socket.
4. Remove OEM front skid plate using a 13mm socket\wrench. (Photo # 1)



- Remove OEM front sway bar end link lower mount from OEM axle mount using a 18mm socket \ wrench. (Photo # 2)
- Remove OEM front sway bar end link upper mount from OEM sway bar using a 6mm hex key socket \ wrench & 18mm socket \ wrench. (Photo # 3)
- Disconnect OEM front track bar from frame mount using a 21mm socket \ wrench. (Photo # 4)

**Photo # 2** Driver Side Front - Lower



**Photo # 3** Passenger Side Front - Upper



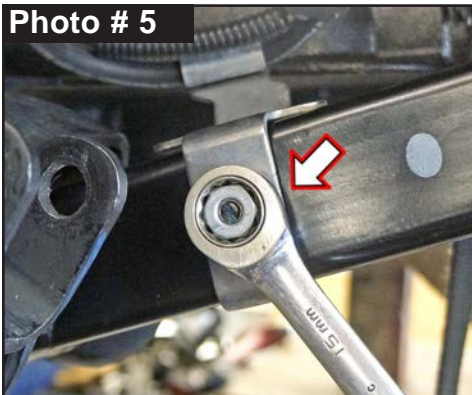
**Photo # 4**



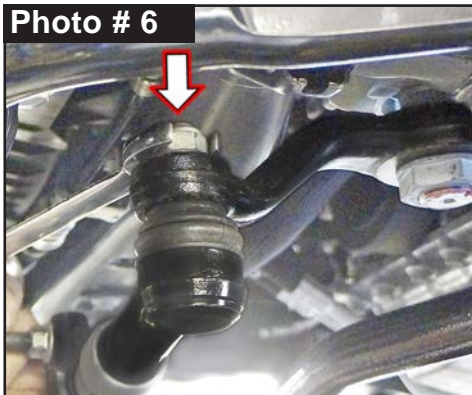
- Disconnect OEM drag link from OEM pitman arm using a 21mm socket \ wrench. (Photo # 5)
- Disconnect OEM front shock from upper shock tower mount & lower axle mount using a 18mm socket \ wrench. (Photo # 6)
- Disconnect OEM front brake line bracket from OEM front lower control arm using a 15mm socket \ wrench. (Photo # 7)

Unclip all ABS line rubber grommets from OEM brake line rubber keepers.

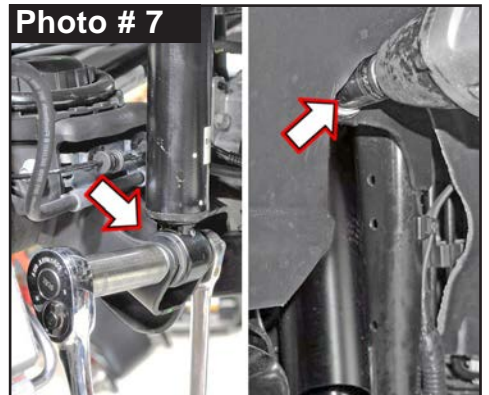
**Photo # 5**



**Photo # 6**



**Photo # 7**

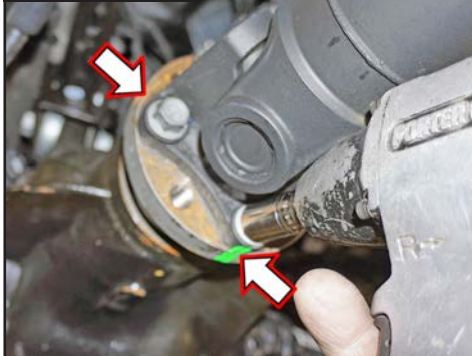


- Disconnect OEM front driveshaft. Mark location of OEM front driveshaft & front differential input yoke. Disconnect using a 15mm socket \ wrench. (Photo # 8) **Tech Note:** Secure driveshaft safely up & out of way with a bungee or other method.

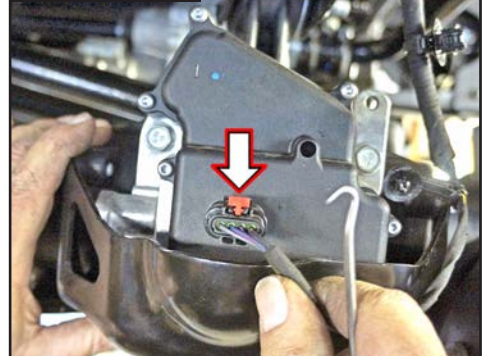
- OEM Center Axle Disconnect (CAD) 4WD Actuator, must be disconnected. Disconnect wiring harness from Passenger Side at OEM front upper control arm axle mount. (Photo # 9)

**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.

**Photo # 8**



**Photo # 9**

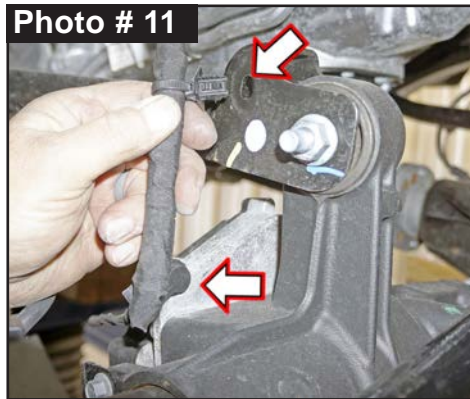
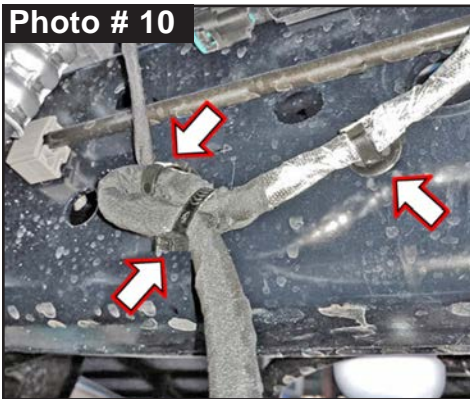


13. OEM Center Axle Disconnect (CAD) 4WD Actuator, on passenger side located at inner frame rail above axle, remove cable tie from wiring harness. Unclip wiring harness clips from frame using a plastic fastener removal tool. (Photo # 10)

OEM Center Axle Disconnect (CAD) 4WD Actuator, on passenger side unclip wiring clips from front axle using a plastic fastener removal tool. (Photo # 11)

14. **RUBICON Models:** OEM front locker must be disconnected. On Driver Side located at 'inner' frame rail above axle, unplug OEM harness plug. (Photo # 12) **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.

Unclip wiring harness clips from frame using a plastic fastener removal tool. (Photo # 12)

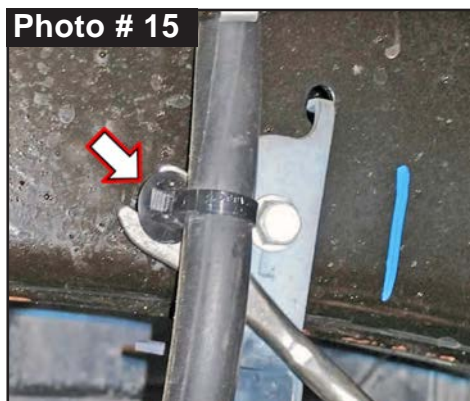


15. Disconnect OEM vent hose \ clip from front differential using pliers. (Photo # 13)

16. Locate OEM brake line bracket attached on driver side frame to rear of shock tower. Unclip axle vent hose clip from brake line bracket using a plastic fastener removal tool. (Photo # 14)

Follow vent tube up & unclip frame attachment using a plastic fastener removal tool. (Photo # 15)

Continue to follow vent tube up & unclip from shock tower (behind OEM inner fender liner) using a plastic fastener removal tool. (Photo # 16)



17. Disconnect OEM brake line bracket from axle coil spring seat using a 10mm socket \wrench. Pull bracket rearward to allow clearance. (Photo # 17)

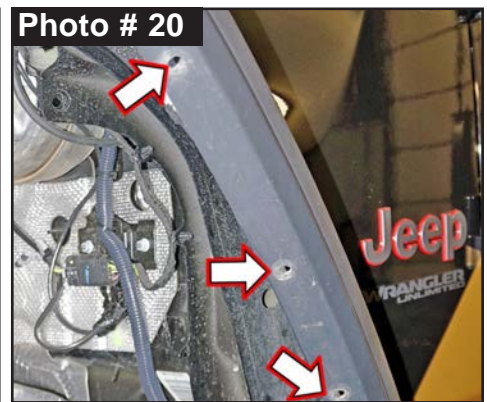


18. While checking for appropriate slack in ABS lines, brake lines, axle vent hose & etc. Lower front axle. Remove OEM front coil springs & rubber isolators.

**Note:** Perform Steps 19-26 on One Side at a Time.

19. Remove OEM plastic inner fender liner using a plastic fastener removal tool, 8mm & 10mm socket \wrench.

**Note:** It will be necessary to remove three (3) rearward plastic rivets in order to remove plastic inner fender liners. (Photo # 18, # 19 & # 20)

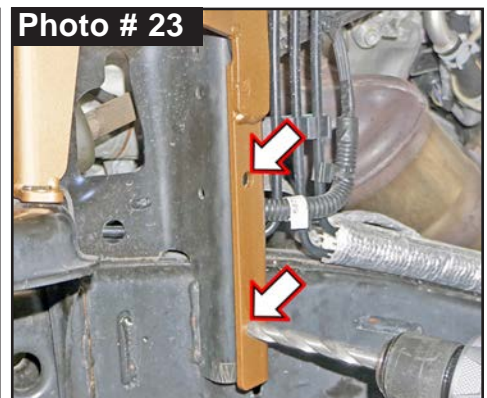
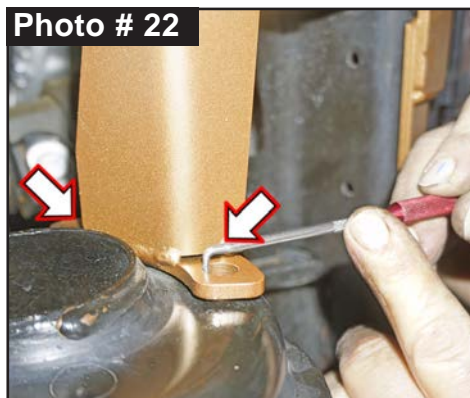
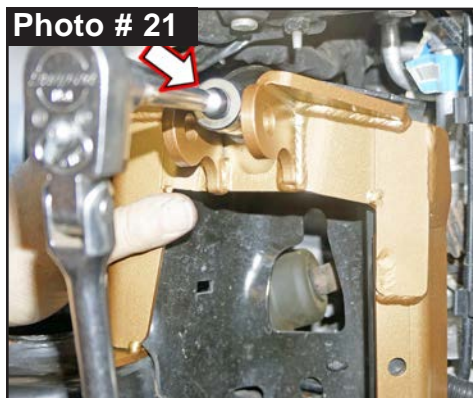


20. Skyjacker Front Upper Coilover Brackets Are Side Specific:  
# JLLSBOFDU-B Driver Side & # JLLSBOFPU-B Passenger Side.

Attach appropriate Skyjacker bracket to OEM upper shock bracket frame with OEM hardware & supplied 2.75" Long Crush Sleeve. Install OEM bolt from outside-to-inside through Skyjacker Bracket, through Crush Sleeve into frame. Tighten using 18mm socket \wrench. Secure, but **Do Not Completely Tighten** at this time. (Photo # 21)

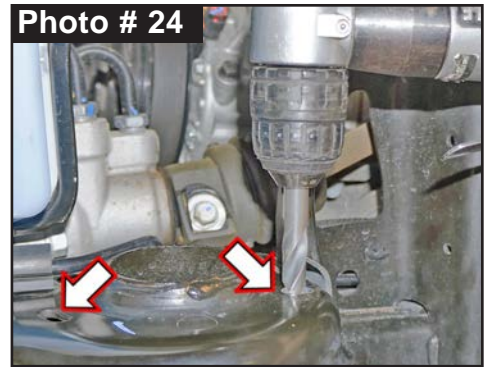
21. Use Skyjacker bracket as a guide to mark \scribe two (2) forward mounting holes on OEM upper coil spring mount. (Photo # 22)

22. Use Skyjacker bracket as a guide for two (2) rearward mounting holes on OEM shock mount. Mark \scribe, center punch & drill 1/8" pilot holes. **Note:** Prior to drilling, check behind surface area being worked on for any wires, brake lines, fuel lines, hoses, etc that could be damaged. Drill out pilot hole with a 3/8" drill bit. (Photo # 23)



23. Remove hardware & Skyjacker bracket using a 18mm socket \wrench.

Drill two (2) forward previously scribed mounting holes on OEM upper coil spring mount with a short length 1/8" drill bit using an angle drill. Drill out pilot hole using a short length 3/8" drill bit. (Photo # 24)



24. Reinstall Skyjacker bracket to OEM upper shock bracket frame with OEM hardware & supplied 2.75" Long Crush Sleeve.

Install OEM bolt from outside-to-inside through Skyjacker Bracket, through Crush Sleeve into frame. Tighten using 18mm socket \wrench. Secure, but **Do Not Completely Tighten** at this time.

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

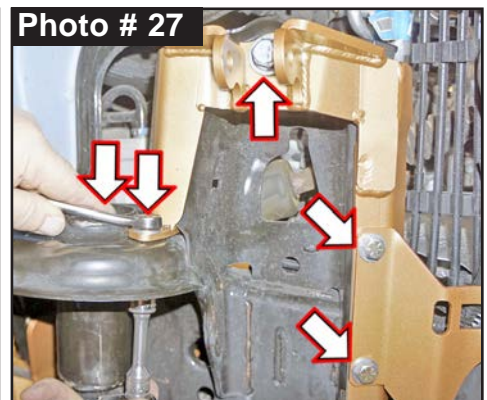
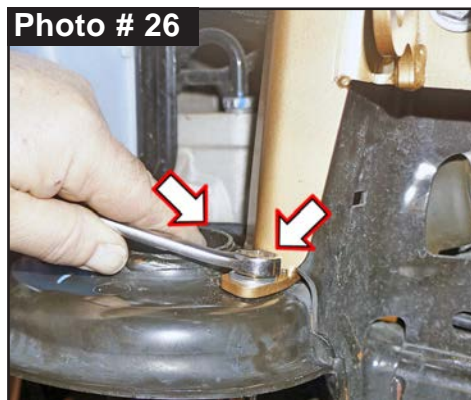
Align appropriate Skyjacker Remote Reservoir Bracket with two (2) upper rearward holes of Coilover Bracket. Attach with supplied 3/8" x 1-1/4" Fine Thread Bolts with 3/8" SAE Washer through brackets & frame. (Photo # 25)

Attach with 3/8" Fine Thread Nylon Insert Nut using a 9/16" socket \wrench. **Note:** 3/8" SAE Washers are not used on nut side of remote reservoir bracket hardware. Secure, but **Do Not Completely Tighten** at this time.

26. Complete installation of Coilover Bracket with supplied 3/8" x 1-1/4" Fine Thread Bolts with 3/8" SAE Washers. Attach with 3/8" SAE Washers & 3/8" Fine Thread Nylon Insert Nuts using a 9/16" socket \wrench. (Photo # 26)

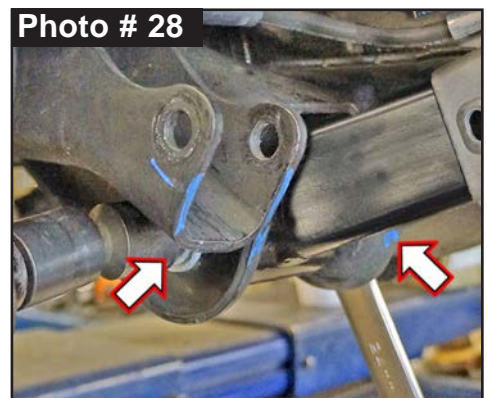
Fully tighten & torque all hardware. (Photo # 27)

**Torque Specifications:** 3/8" Bolts = 35 ft-lbs, OEM Bolt = 81 ft-lbs,



**Note:** Perform Steps 19-26 on Opposite Side, Then Proceed to Step 27.

27. One side at a time, disconnect each OEM front lower control arm from front axle using a 21mm & 24mm socket \wrench. (Photo # 28)

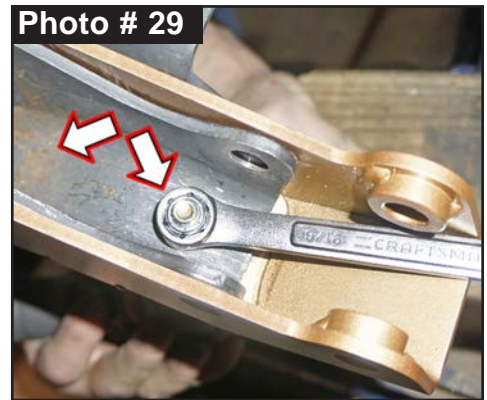


Note: Perform Steps 28-31 on One Side at a Time.

28. Skyjacker Lower Shock Brackets Are Side Specific:

- # JLLSBOFDL2-B Driver Side &
- # JLLSBOFPL2-B Passenger Side

Place appropriate Skyjacker bracket around OEM lower shock bracket mount with welded spacers toward rear of vehicle. Install supplied 3/8" x 1" Fine Thread Bolt with 3/8" SAE Washer up through OEM mount & bracket. Attach with 3/8" SAE Washers & 3/8" Fine Thread Nylon Insert Nuts using a 9/16" socket\wrench. (Photo # 29)



**Tech Note:** Forward hole on OEM lower shock mount must be drilled. Shown in Step 31.

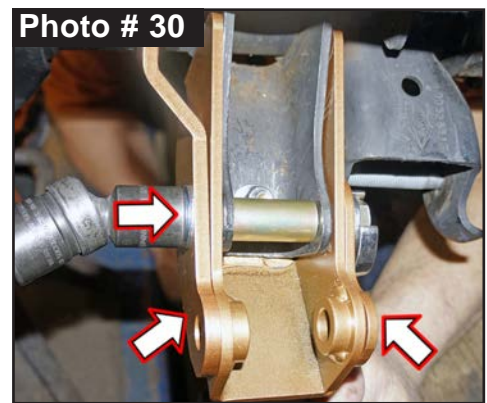
29. Skyjacker Lower Outer & Inner Shock Brackets Are Side Specific:

- # JLLSBOFDL-5 Driver Side Outer & # JLLSBOFPL-5 Passenger Side Outer
- # JLLSBOFDL-3 Driver Side Inner & # JLLSBOFPL-3 Passenger Side Inner

Place appropriate Skyjacker Outer bracket on top of OEM axle between knuckle & coil seat. (Photos # 30)

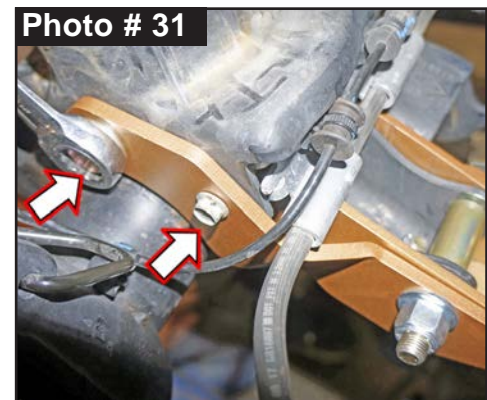
Place appropriate Skyjacker Inner bracket between OEM shock mount & OEM front lower control arm mount.

Insert supplied 1/2" x 4-1/2" Fine Thread Bolt with 1/2" SAE Washers from inside-to-outside through brackets & shock mount. Insert supplied 1.565" Long Crush Sleeve between OEM shock mount & continue bolt though Skyjacker brackets. Attach with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket\wrench. (Photos # 30) Secure, but **Do Not Completely Tighten** at this time.



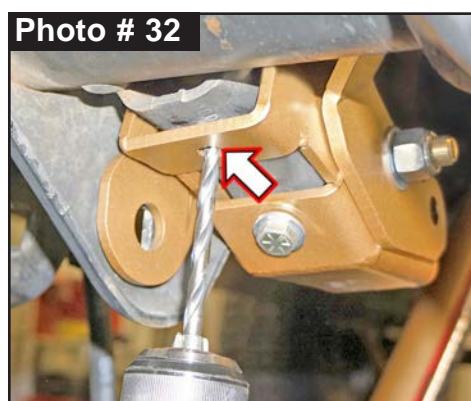
30. Connect OEM brake line bracket through Skyjacker bracket & coil spring seat using a 10mm socket\wrench. (Photos # 31)

Insert supplied 7/16" x 1-1/4" Fine Thread Bolt with 7/16" SAE Washer through Skyjacker bracket into axle coil spring seat. Attach with supplied 7/16" SAE Washer & 7/16" Nylon Insert Lock Nut using a 5/8" socket\wrench.



31. Use Skyjacker bracket as a guide, mark\scribe, center punch forward hole on OEM lower shock mount. Drill 1/8" pilot hole. Drill out pilot hole with a 3/8" drill bit. (Photo # 32)

Install supplied 3/8" x 1-1/4" Fine Thread Bolt with 3/8" SAE Washer up through Skyjacker bracket & OEM mount. Attach with supplied 3/8" SAE Washer & 3/8" Fine Thread Nylon Insert Nut using a 9/16" socket\wrench. (Photo # 33) Secure, but **Do Not Tighten**.



Note: Perform Steps 28-31 on Opposite Side, Then Proceed to Step 32.

**NOTE:** If Installing Skyjacker Replacement Long or Short Arm Links, Install Now Per Separate Instructions. Then Proceed to Step 33.

32. One side at a time, connect each OEM front lower control arm to front axle & Skyjacker bracket. Insert OEM hardware from inside-to-outside. Attach using a 21mm & 24mm socket \ wrench. (Photo # 34) Secure, but **Do Not Completely Tighten** at this time.

Note: Perform Steps 33-35 on One Side at a Time.

33. Skyjacker Coilover Shocks Are Side Specific: 90-degree fitting, reservoir hose & remote reservoir of coilover goes toward rear of vehicle. (Photos # 35)

Install Skyjacker Coilover Shock with one (1) supplied (shorter) .492" Long metal shock spacers \ bushings on each side of upper shock mount. Insert supplied 1/2" x 2-3/4" Fine Thread Bolt with 1/2" SAE Washer from rear-to-front through bracket. Attach with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench. (Photos # 35)

34. Install Skyjacker Coilover Shock with one (1) supplied (longer) .642" Long metal shock spacers \ bushings on each side of lower shock mount. Insert supplied 1/2" x 4" Fine Thread Bolt with 1/2" SAE Washers from inside-to-outside through brackets & shock mount. Attach with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench. (Photos # 36)

35. 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.

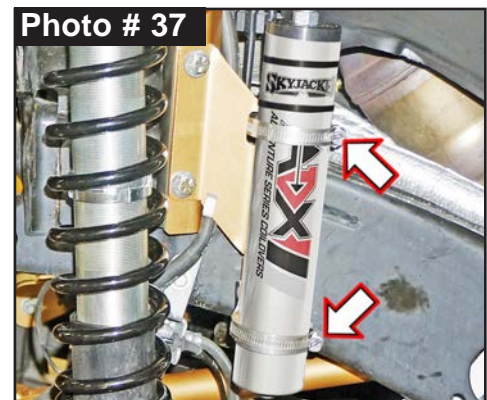
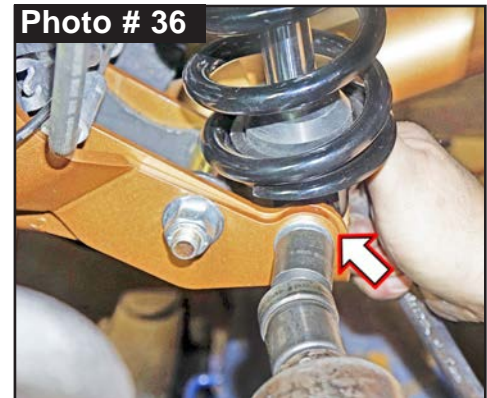
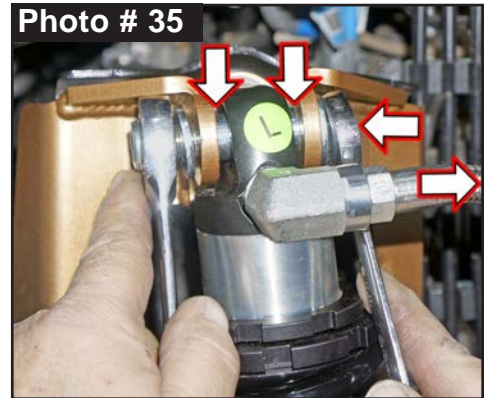
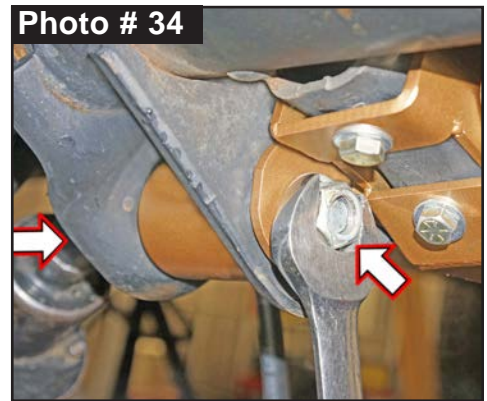
Attach using a standard screwdriver or 5/16" socket \ wrench. (Photo # 27) Torque 180 in-lbs. **Tech Note:** You can position or roll hose clamp rearward to hide bolts from view. (Photos # 37) **Note:** Trim excess length of screw clamp strap using tin snips or similar tool.

Note: Perform Steps 33-35 on Opposite Side, Then Proceed to Step 36.

36. Fully tighten & torque all front lower coilover bracket hardware: (Photos # 30, # 31, # 32, # 33 & # 34)

**Torque Specifications:**

- 3/8" Bolts using a 9/16" socket \ wrench. Torque 35 ft-lbs.  
7/16" Bolts using a 5/8" socket \ wrench. Torque 60 ft-lbs.  
1/2" Bolts using a 3/4" socket \ wrench. Torque 90 ft-lbs.  
OEM 6mm Brake Line Bolt using a 10mm socket \ wrench. Torque 108 in-lbs.



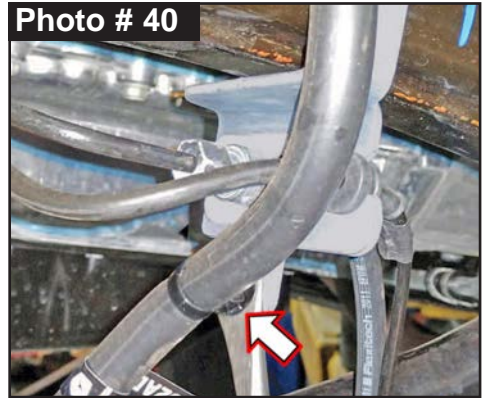
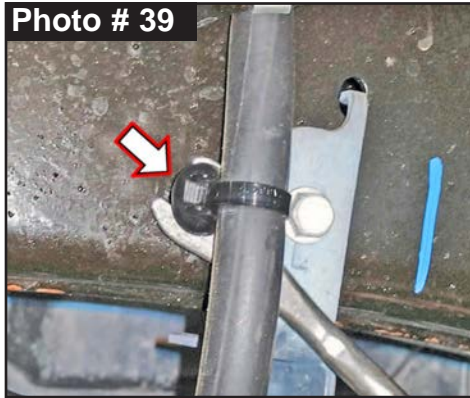
**IMPORTANT: If Installing Complete Skyjacker Front Suspension Lift System for Wrangler JL or Gladiator JT, Complete Install Now Per Separate Instructions. If Installing Coilover Upgrade Only, Proceed to Step 37.**

37. Connect OEM axle vent hose at OEM mounts.

Clip at shock tower mount (behind OEM inner fender liner). (Photo # 38)

Clip at frame attachment. (Photo # 39)

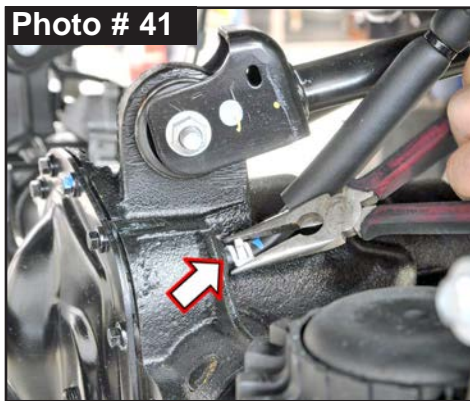
Clip axle vent hose clip to brake line bracket. (Photo # 40)



38. Connect OEM vent hose \ clip to front differential using pliers. (Photo # 41)

39. **Rubicon Models:** Connect OEM front locker on driver side. (Photo # 42) **Tech Note:** Pull out on connector to verify that it is securely plugged in properly.

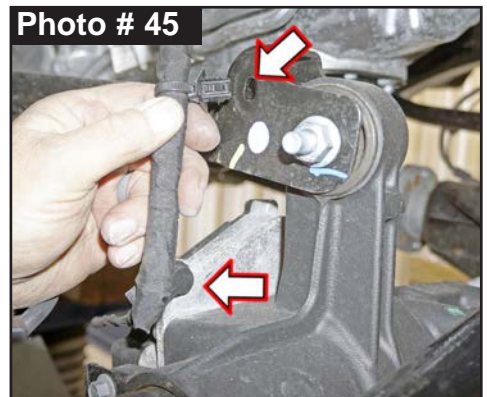
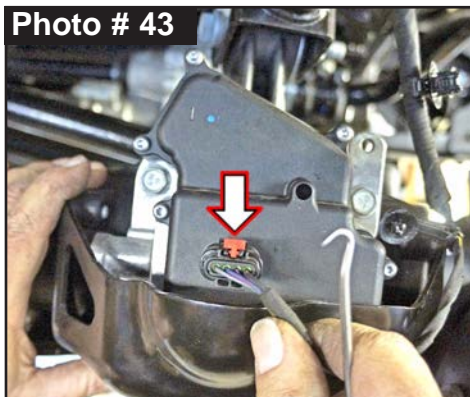
Clip wiring harness clips to frame. (Photo # 42)



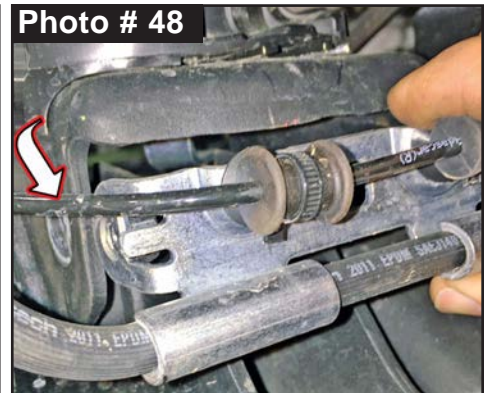
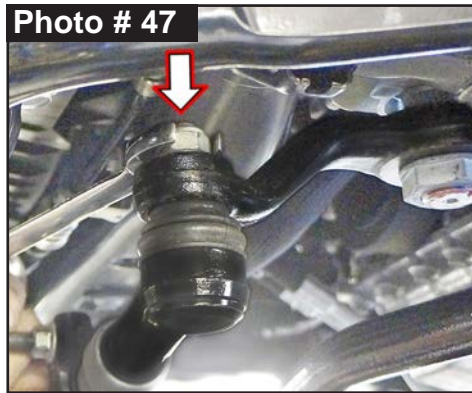
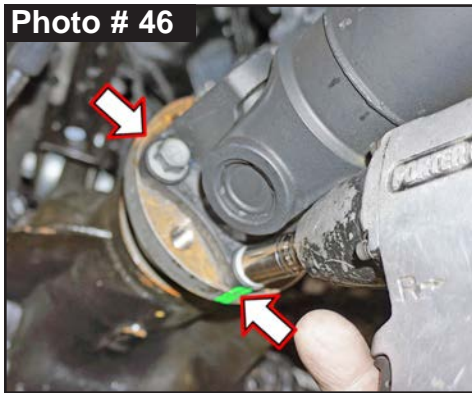
40. Connect OEM Center Axle Disconnect (CAD) 4WD Actuator, on passenger side located at inner frame rail above axle. (Photo # 43) **Tech Note:** Pull out on connector to verify that it is securely plugged in properly.

Attach wiring harness clip to frame. (Photo # 44)

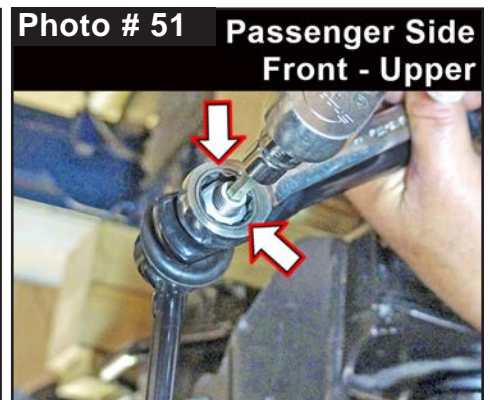
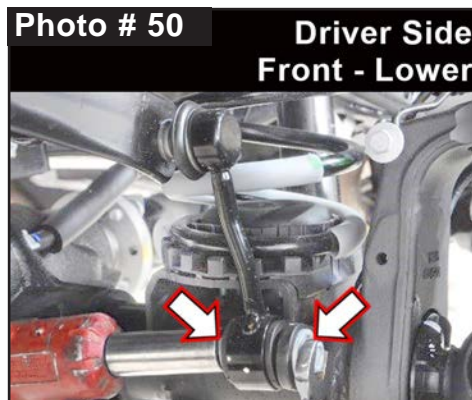
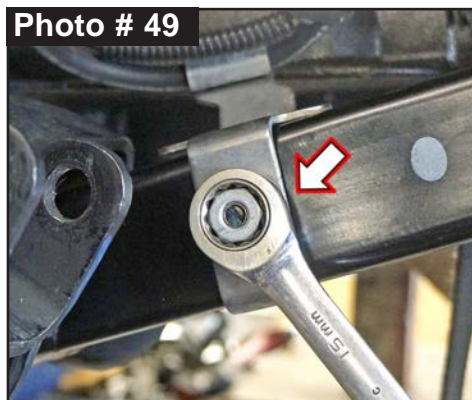
Attach wiring clip to front axle. (Photo # 45)



41. Raise front axle to align marks on OEM front driveshaft \ flange & connect driveshaft with OEM hardware using a 15mm socket \ wrench. (Photo # 46) Torque 89 ft-lbs.
42. Connect OEM drag link to OEM pitman arm with OEM hardware using a 21mm socket \ wrench. (Photo # 47) **Note:** Drag Link Must Be Adjusted to Center the Steering Wheel Before the Vehicle Is Driven. Failure to Do So Will Cause Computer Errors, Odd Handling Characteristics, & Poor Performance.
43. Connect OEM brake line bracket to axle coil spring seat using a 10mm socket \ wrench. Pull bracket rearward to allow clearance. (Photo # 48)



44. Connect OEM front brake line bracket to OEM front lower control arm using a 15mm socket \ wrench. (Photo # 49) Clip all ABS line rubber grommets to OEM brake line rubber keepers.
45. Connect OEM front sway bar end link lower mount to OEM axle mount using a 18mm socket \ wrench. (Photo # 50)
46. Connect OEM front sway bar end link upper mount to OEM sway bar using a 6mm hex key socket \ wrench & 18mm socket \ wrench. (Photo # 51)



47. Install OEM plastic inner fender liner with OEM hardware using a 8mm & 10mm socket \ wrench. (Photo # 18, # 19 & # 20)

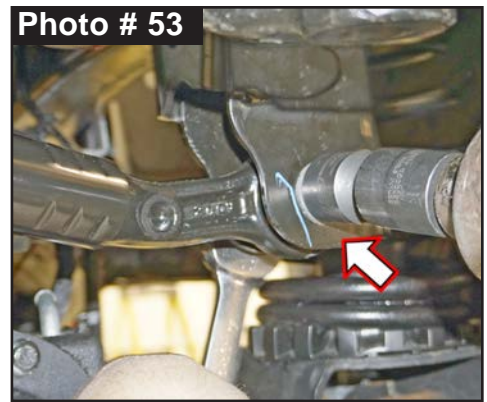
Install three (3) rearward plastic rivets with supplied 1/4" Plastic Rivets using a plastic rivet setter. (Photo # 52)

48. Install OEM front skid plate with OEM hardware using a 13mm socket \ wrench. (Photo # 1)
49. Install front tires \ wheels using a 22mm socket. Lower vehicle to ground. Torque lugs to OEM service manual specifications.



50. Connect OEM front track bar to frame mount with OEM hardware using a 21mm socket \ wrench. (Photo # 53)

**Tech Note:** It may be necessary to turn steering wheel to align track rod end with mount.



### **Final Clearance Check & Torque Steps:**

**Note:** OEM Drag Link Must Be Adjusted to Center Steering Wheel Before Vehicle Is Driven. Failure to Do So Will Cause Computer Errors, Odd Handling Characteristics, & Poor Performance.

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, Coilover Shocks & Reservoirs, control arms, brake hoses, ABS wiring, etc.

Rotate driveshafts & check for interference at differential yoke & Cardan joint. If necessary, lightly dress casting(s) and \ or u-joint tabs in order to eliminate binding.

### **3. Front Tighten & Torque Sequence.**

Track bar at frame using a 21mm wrench. Torque 52 ft-lbs. + 115°

Skyjacker Coilover Shock at Skyjacker Coilover Bracket using a 3/4" socket \ wrench. Torque 90 ft-lbs.

Skyjacker Coilover Shock at Skyjacker Lower Shock Bracket using a 3/4" socket \ wrench. Torque 90 ft-lbs.

Sway bar end links. Upper Nut using a 18mm socket \ wrench. Torque 66 ft-lbs.

Sway bar end links. Upper Nut using a 18mm socket \ wrench. Torque 59 ft-lbs.

Lower link arm mount bolts using a 21mm & 24mm socket \ wrench. Torque 74 + 50° ft-lbs.

### **Adjusting Coilover Lift Height:**

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

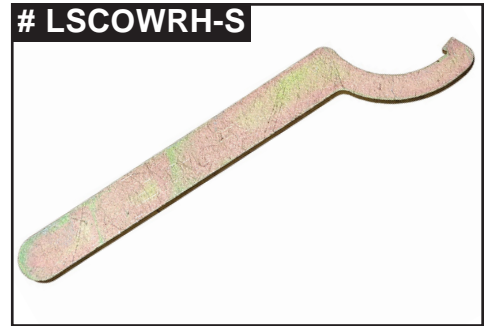
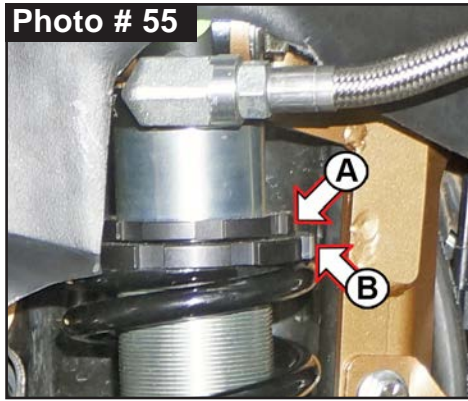
Raise lift height by compressing Skyjacker Coilover upper coil spring. To raise vehicle height, turn Coilover collars down shock body.

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 19mm socket. Make sure Skyjacker Coilover Shocks are fully extended with as much weight off coil springs as possible. (Photo # 54)



- To adjust coilovers, first unlock Upper Collar A by turning it left \ clock-wise using # LSCOWRH-S Spanner Wrench. (Photo # 55)

**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.

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

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 |
| <b>Above Specifications Are Not to Be Used<br/>When Bolt Is Being Installed With a Bushing.</b> |            |            |               |            |            |

**Seat Belts Save Lives, Please Wear Your Seat Belt.**

# SKYJACKER

## SUSPENSIONS

SKYJACKER.COM

Check Out Our Favorite Ministries at:

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

## 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! Amen.

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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I-JLFLS REV8 02/25



# JESUS FORGIVES ROCKS DON'T

## 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

Que si confiesas con tu boca que Jesús es el Señor, y crees en tu corazón que Dios lo levantó de entre los muertos, serás salvo. 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! Amén.

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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