

# 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.

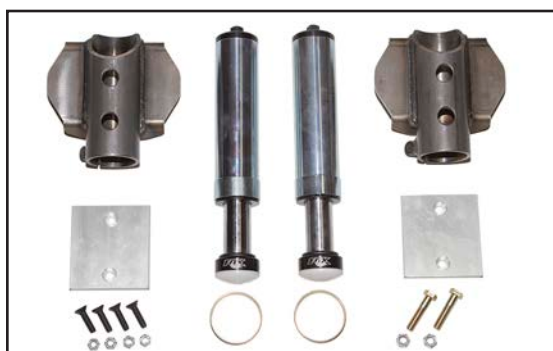
### Jeep Wrangler JL Optional Coilover Up-Grades



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



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



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



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



**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**

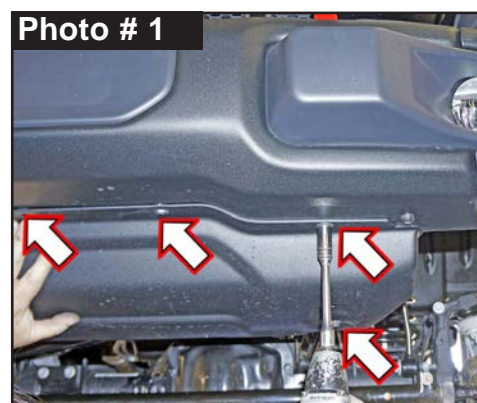
Item #	Description	Qty
CS1565	CRUSH SLEEVE / 1.565 LENGTH	2
RVT14-1	1/4 X 0.500 BLACK NYLON RIVET	6
12X4FTB	1/2 X 4 FINE THREAD BOLT	4
12SAEW	1/2 SAE WASHER	8
12FTN	1/2 FINE THREAD N/I LOCK NUT	4
38X114FTB	3/8 X 1-1/4 FINE THREAD BOLT	4
38SAEW	3/8 SAE WASHER	8
38FTN	3/8 FINE THREAD N/I LOCK NUT	4
716X114FTB	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.**

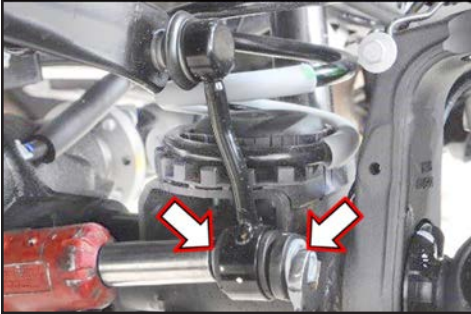
1. With vehicle on flat level ground, set emergency brake & chock rear tires\wheels.
2. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual.
3. Remove front tires\wheels using a 22mm socket.
4. Remove OEM front skid plate using a 13mm socket\wrench.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





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)

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



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



**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 arm using a 15mm socket \wrench. (Photo # 7)

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

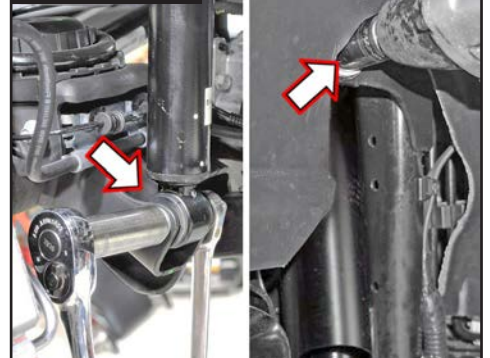
**Photo # 5**



**Photo # 6**

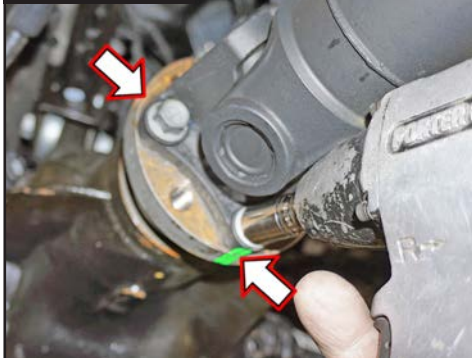


**Photo # 7**

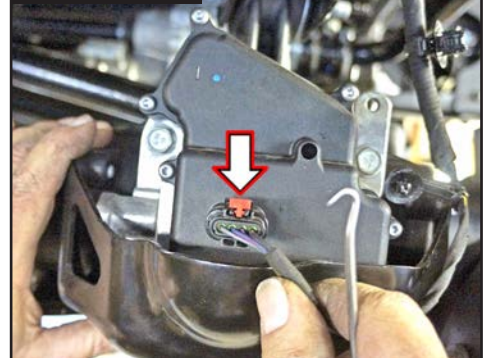


11. Disconnect OEM front driveshaft. Mark location of OEM front driveshaft & front differential input yoke. Disconnect using a 15mm socket \wrench. (Photo # 8) **Tech Note:** Secure driveshaft safely up & out of way with a bungee or other method.

**Photo # 8**



**Photo # 9**

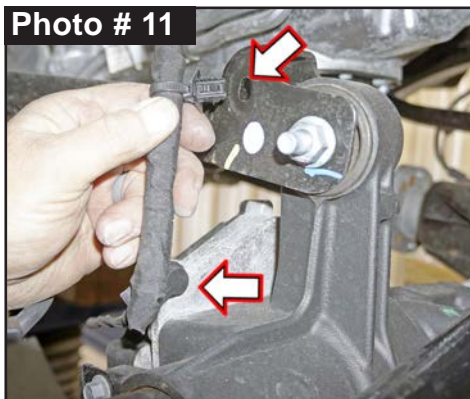
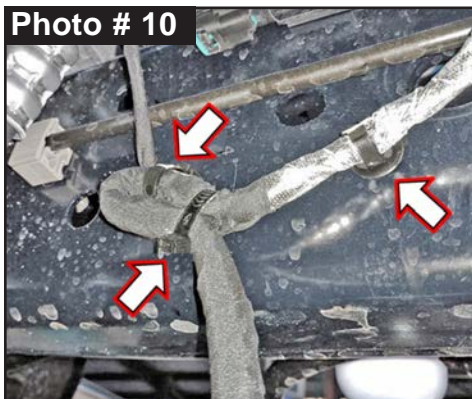


12. OEM Center Axle Disconnect (CAD) 4WD Actuator, must be disconnected. Disconnect wiring harness from Passenger Side at OEM front upper control arm axle mount. (Photo # 9)

**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:** 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)

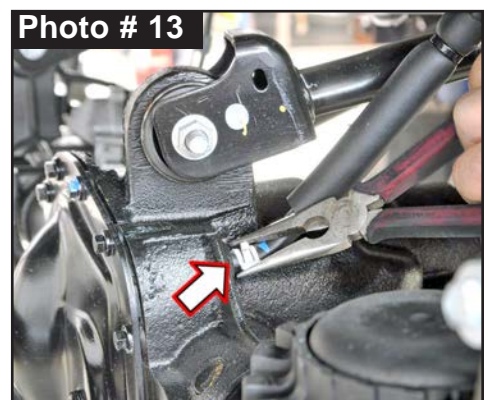


15. Disconnect OEM vent hose \ clip from front differential using pliers. (Photo # 13)

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)





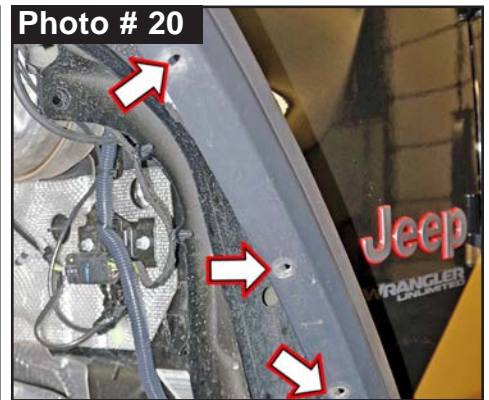
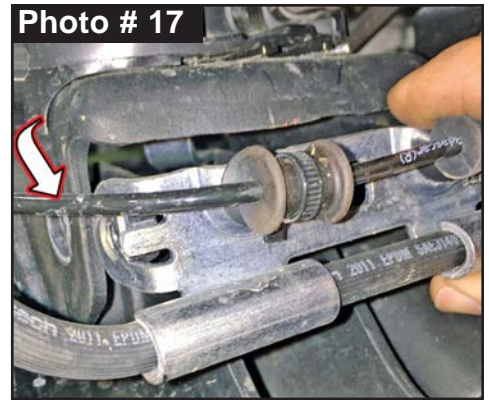
17. Disconnect OEM brake line bracket from axle coil spring seat using a 10mm socket\wrench. Pull bracket rearward to allow clearance. (Photo # 17)

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)

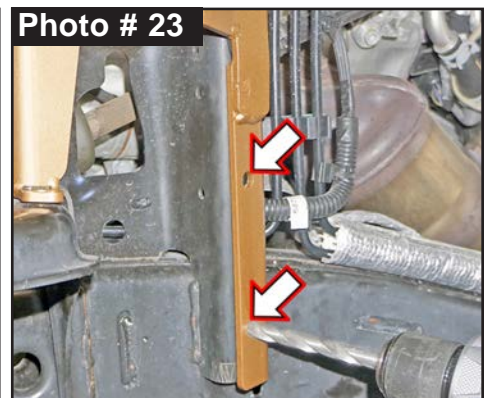
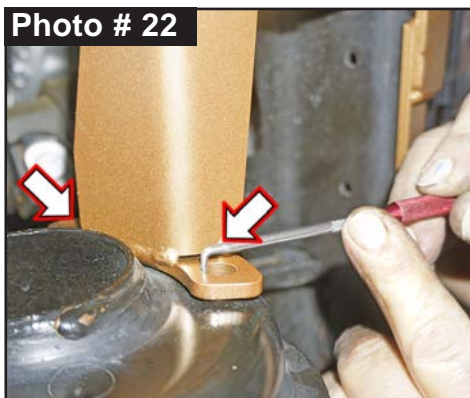
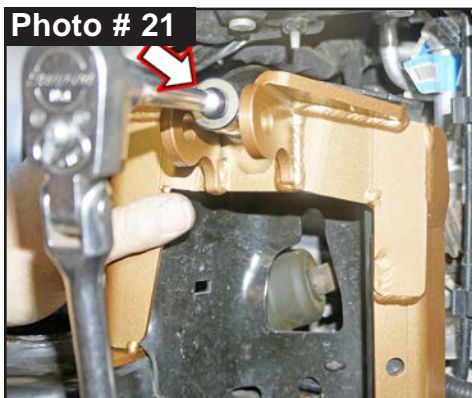


20. Skyjacker Front Upper Coilover Brackets Are Side Specific:  
# JLLSBOFDU-B Driver Side & # JLLSBOFPU-B Passenger Side.

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)

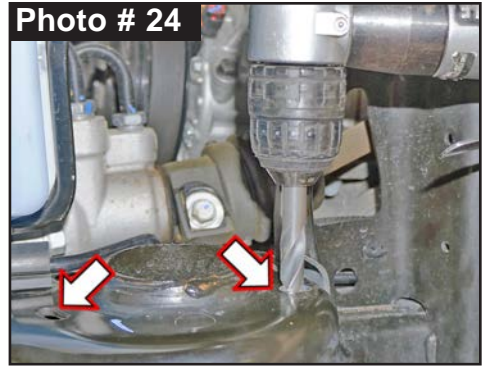
22. Use Skyjacker bracket as a guide for two (2) rearward mounting holes on OEM shock mount. Mark\scribe, center punch & drill 1/8" pilot holes. Note: Prior to drilling, check behind surface area being worked on for any wires, brake lines, fuel lines, hoses, etc that could be damaged. Drill out pilot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

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,

Photo # 25

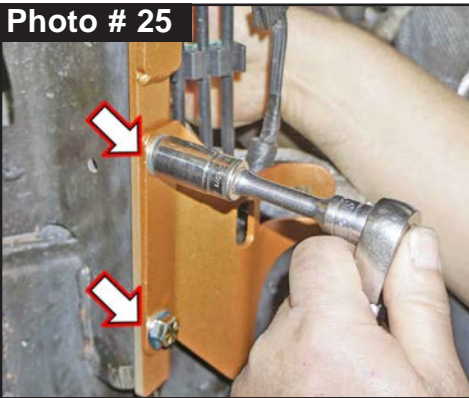


Photo # 26

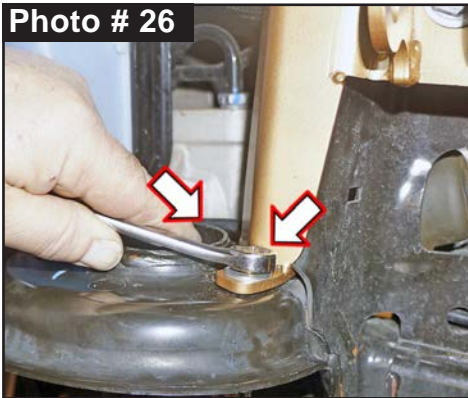
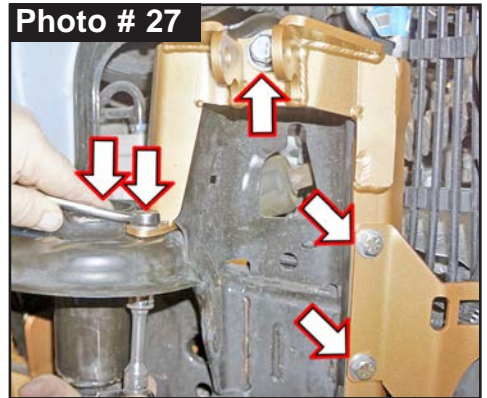


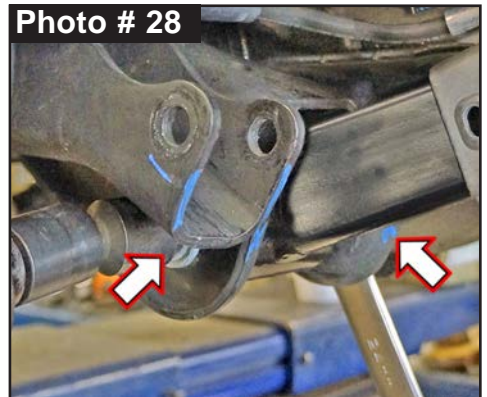
Photo # 27



**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)

Photo # 28





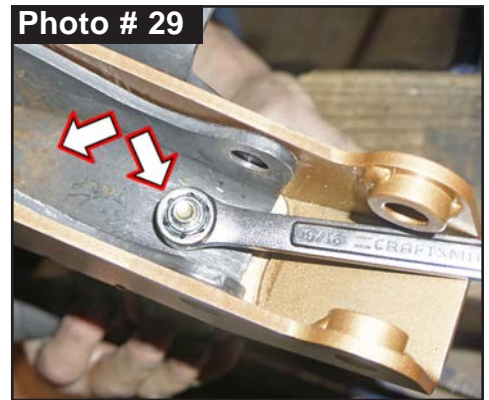
Note: Perform Steps 28-31 on One Side at a Time.

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:

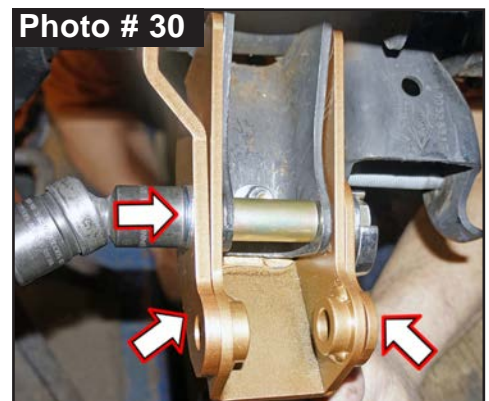
# JLLSBOFDL-5 Driver Side Outer & # JLLSBOFPL-5 Passenger Side Outer

# 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)

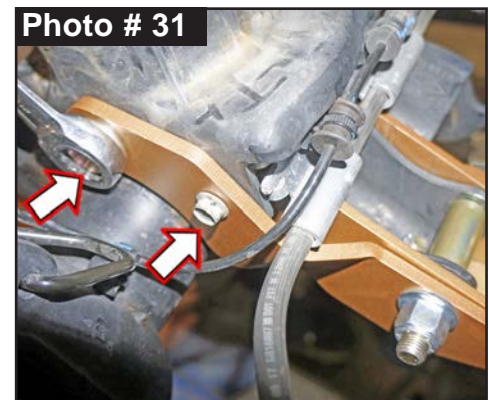
Place appropriate Skyjacker Inner bracket between OEM shock mount & OEM front lower control arm mount.

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.



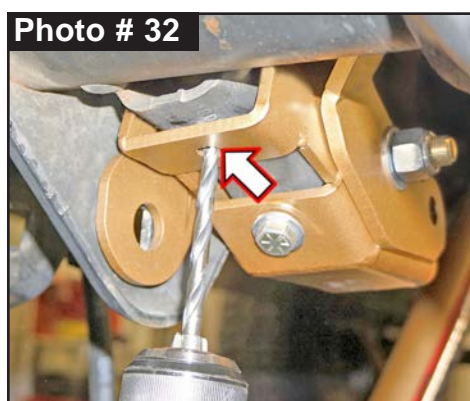
30. Connect OEM brake line bracket through Skyjacker bracket & coil spring seat using a 10mm socket\wrench. (Photos # 31)

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.

Photo # 34

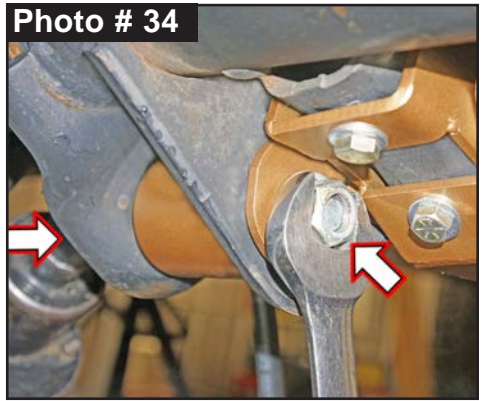


Photo # 35

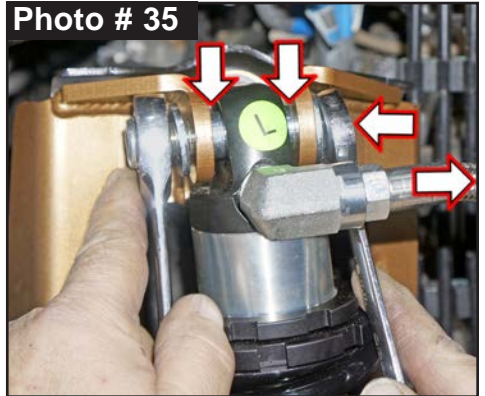


Photo # 36

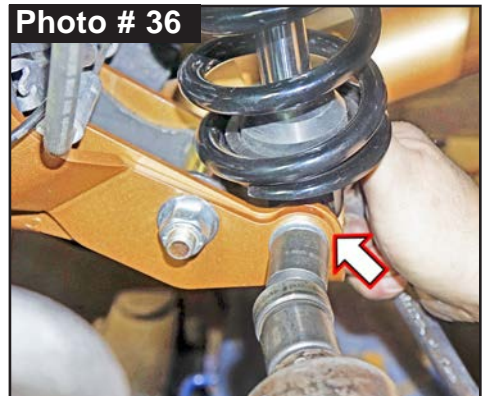
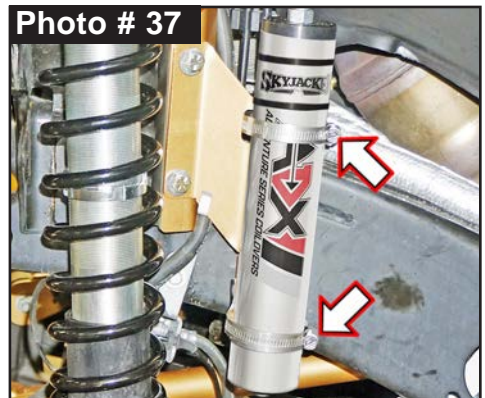


Photo # 37





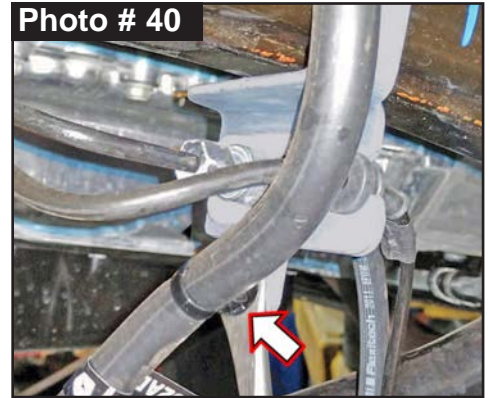
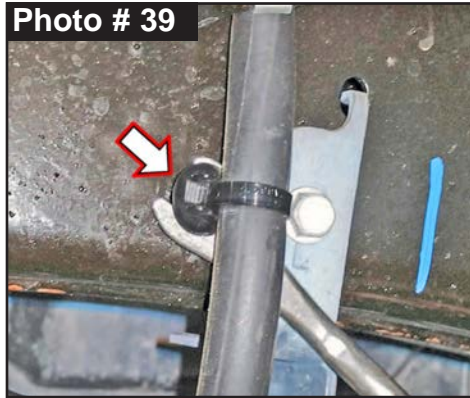
**IMPORTANT:** If Installing Complete Skyjacker Front Suspension Lift System for Wrangler JL or Gladiator JT, Complete Install Now Per Separate Instructions.  
If Installing Coilover Upgrade Only, Proceed to Step 37.

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)

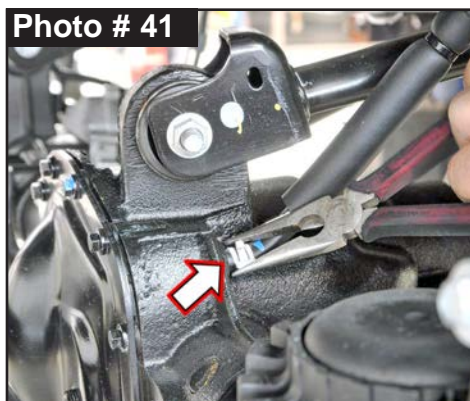
Clip axle vent hose clip to brake line bracket. (Photo # 40)



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.

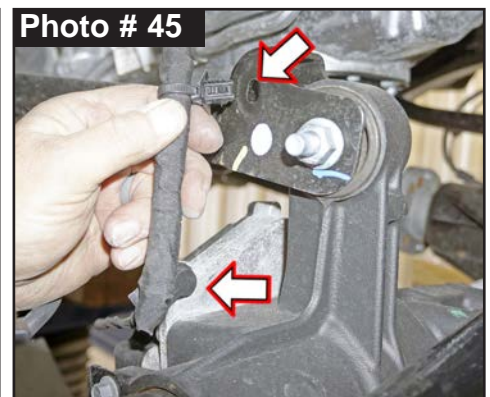
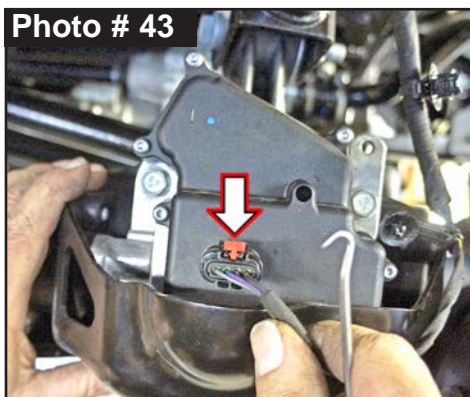
Clip wiring harness clips to frame. (Photo # 42)



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)

Photo # 46

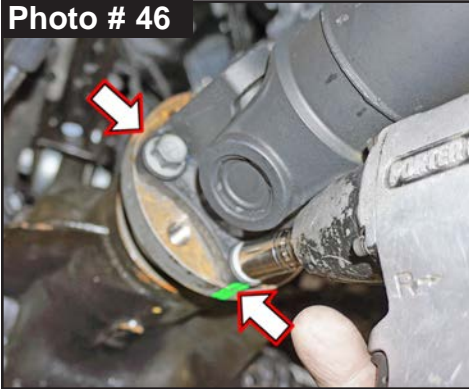


Photo # 47

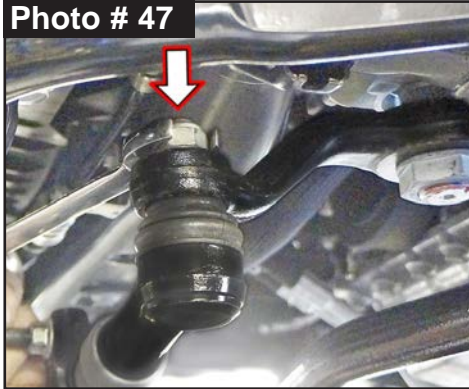
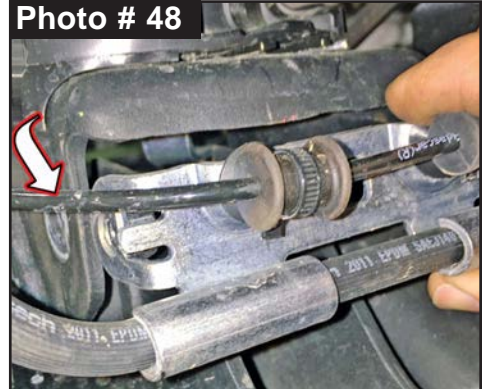


Photo # 48



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)

Photo # 49

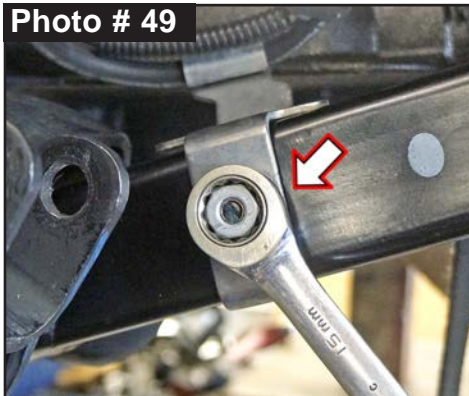
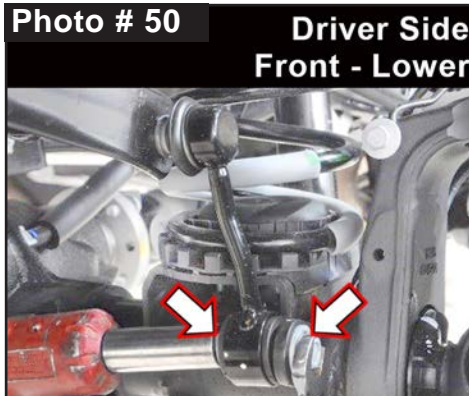
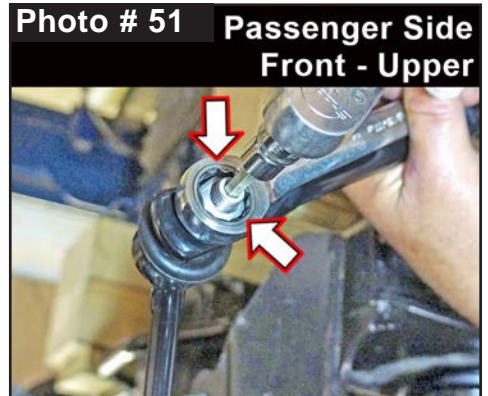


Photo # 50



Driver Side  
Front - Lower

Photo # 51



Passenger Side  
Front - Upper

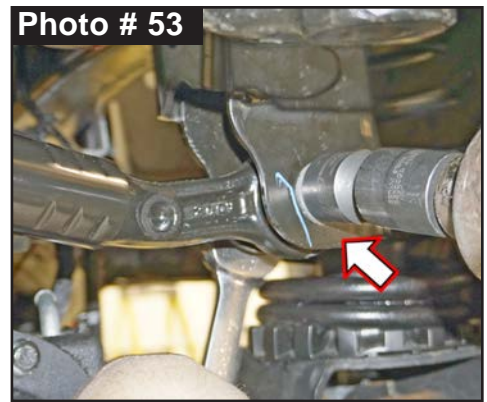
47. Install OEM plastic inner fender liner with OEM hardware using a 8mm & 10mm socket \ wrench. (Photo # 18, # 19 & # 20)  
Install three (3) rearward plastic rivets with supplied 1/4" Plastic Rivets using a plastic rivet setter. (Photo # 52)
48. Install OEM front skid plate with OEM hardware using 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.

Photo # 52



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.

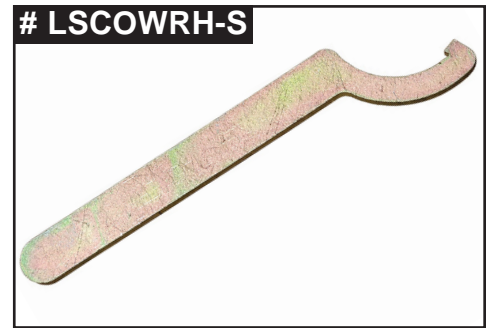
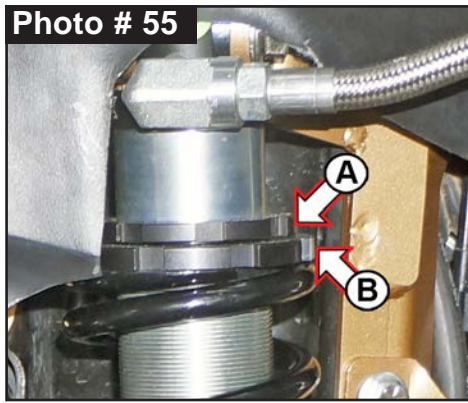
1. With vehicle on flat level ground, set emergency brake & chock rear tires \ wheels. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual.
2. Remove front tires \ wheels using a 19mm socket. Make sure Skyjacker Coilover Shocks are fully extended 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
Above Specifications Are Not to Be Used When Bolt Is Being Installed With a Bushing.					

**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.

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



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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