



07-18 Jeep Wrangler JK (4 Door) 2"- 2.5" Suspension Lift Installation Instructions

www.skyjacker.com

Required Tools List:

- **SAE Hex Key & SAE Sockets \ Wrenches**
(5/32" & 7/32" Hex Key Socket & 1/2", 5/8", 9/16", 3/4", 13/16" & 7/8")
- **Metric Hex Key & Metric Sockets \ Wrenches**
(10mm, 14mm, 15mm, 16mm, 18mm, 19mm & 21mm)
- **Drill Bits** (25/64", 15/32" & 17/32")
- **Power Drill**
- **Center Punch**
- **Hammer**
- **Locking C-Clamp Pliers**
- **Safety Glasses**
- **Wheel Chock**
- **Floor Jack**
- **Jack Stands**
- **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.

Make sure you park vehicle on a level concrete or asphalt surface. Many times a vehicle is not level (side-to-side) from factory, but is usually not noticed until a lift kit has been installed which makes difference more visible. Using a measuring tape, measure front & rear (both sides) from ground up to center of fender opening above axle. Record this information below for future reference.

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

Important Notes:

- The 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.
- If Larger Tires (10% More Than the 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 the Vehicle to the OEM Specifications.

Component Box Breakdown:**Part # JK25BLT**

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JK250B	JK2500 + TRACK BAR BRACE, RR	1

Part # JK2025X

Item #	Description	Qty
A2065 (FRONT)	ADX 2.0 REMOTE RESERVOIR	2
A2067 (REAR)	ADX 2.0 REMOTE RESERVOIR	2

Part # JK25BPBLT

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JK250B	JK2500 + TRACK BAR BRACE, RR	1
B8565 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8567 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JK25BPHLT

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JK250B	JK2500 + TRACK BAR BRACE, RR	1
H7065 (FRONT)	HYDRO SHOCK W/RED BOOT	2
H7067 (REAR)	HYDRO SHOCK W/RED BOOT	2

Part # JK25BPMLT

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JK250B	JK2500 + TRACK BAR BRACE, RR	1
M9565 (FRONT)	M95 MONOTUBE SHOCK	2
M9567 (REAR)	M95 MONOTUBE SHOCK	2

Part # JK25BPNLT

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JK250B	JK2500 + TRACK BAR BRACE, RR	1
N8065 (FRONT)	NITRO SHOCK W/RED BOOT	2
N8067 (REAR)	NITRO SHOCK W/RED BOOT	2

Component Box Breakdown:**Part # JK25BPBSR**

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JK250B	JK2500 + TRACK BAR BRACE, RR	1
B8535 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8537 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JK25BPHSR

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JK250B	JK2500 + TRACK BAR BRACE, RR	1
H7035 (FRONT)	HYDRO SHOCK W/RED BOOT	2
H7037 (REAR)	HYDRO SHOCK W/RED BOOT	2

Part # JK25BPNSR

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JK250B	JK2500 + TRACK BAR BRACE, RR	1
N8035 (FRONT)	NITRO SHOCK W/RED BOOT	2
N8037 (REAR)	NITRO SHOCK W/RED BOOT	2

Part # JK250B

Item #	Description	Qty
JK2500	07-18 JEEP JK 2"-2.5", 4 DOOR	1
JKBRC15	TRACK BAR BRACE, RR DANA 44	1

Part # JK2500

Item #	Description	Qty
JK24RTB-B	TRACK BAR BRACKET, REAR	1
JK25RBS-S	BUMP STOP BRACKET, REAR	2
HB-JK2500	HDWR BAG: JK 2.5" LIFT	1
I-JK250BP	INST SHEET: JK250BP	1

Part # JK2500BPMSR

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JK250B	JK2500 + TRACK BAR BRACE, RR	1
M9535 (FRONT)	M95 MONOTUBE SHOCK	2
M9537 (REAR)	M95 MONOTUBE SHOCK	2

Hardware Bag Breakdown:

Part # HB-JK2500

Item #	Description	Qty
38X234BHB	3/8 X 2-3/4 BUTTON HEAD BOLT	2
38SAEW	3/8 SAE WASHER	2
38CTN	3/8 COARSE N/I LOCK NUT	2
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
12X114FTB	1/2 X 1-1/4 FINE THREAD BOLT	1
12SAEW	1/2 SAE WASHER	1
12FTN	1/2 FINE THREAD N/I LOCK NUT	1
716X1FTB	7/16 X 1 FINE THREAD BOLT	1
716SAEW	7/16 SAE WASHER	1
716FTN	7/16 FINE THREAD N/I LOCK NUT	1
916X3FTB	9/16 X 3 FINE THREAD BOLT	1
916X312FTB	9/16 X 3-1/2 FINE THREAD BOLT	1
916SAEW	9/16 SAE WASHER	4
916FTN	9/16 FINE THREAD N/I LOCK NUT	2
CS1625	CRUSH SLEEVE JKRTB	1
BSS3020-S	BUMP STOP SPACER / 2" TALL	2

Component Breakdown:

Part # JKBRC15

Item #	Description	Qty
JKBRC15-B	TRACK BAR BRACE, RR	1
HB-JKBRC15	HDWR BAG: JKBRC15	1

Hardware Bag Breakdown:

Part # HB-JKBRC15

Item #	Description	Qty
516X1CTB	5/16 X 1 COARSE THREAD BOLT	3
516LW	5/16 LOCK WASHER	3
516XTFW	5/16 THICK FLAT WASHER	3

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

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

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 the front tires \ wheels using a 19mm socket.
4. Disconnect OEM front sway bar end link at lower axle mount using a 18mm socket \ wrench. (See Photo # 1)
5. Disconnect OEM front track bar from lower passenger side axle mount using a 21mm socket \ wrench. (See Photo # 2)

Photo # 1

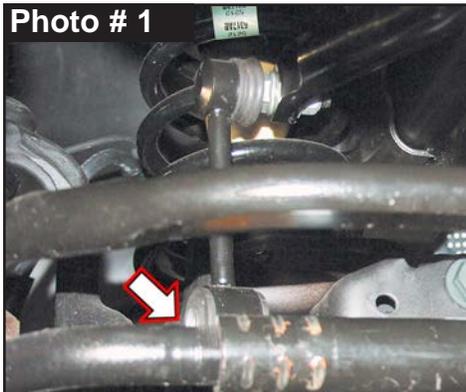


Photo # 2

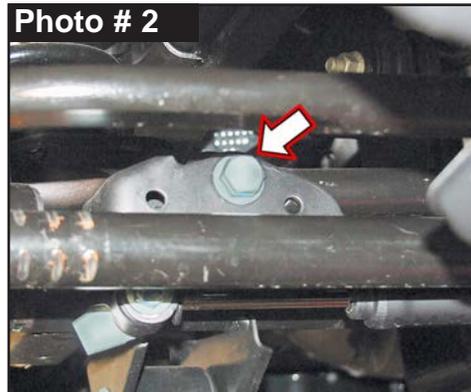
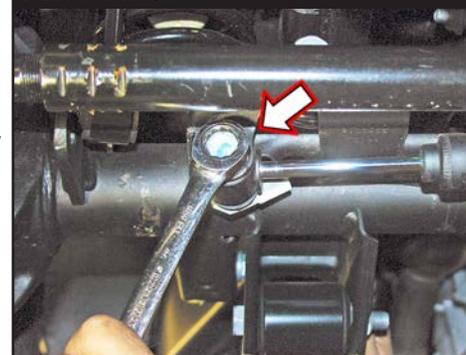


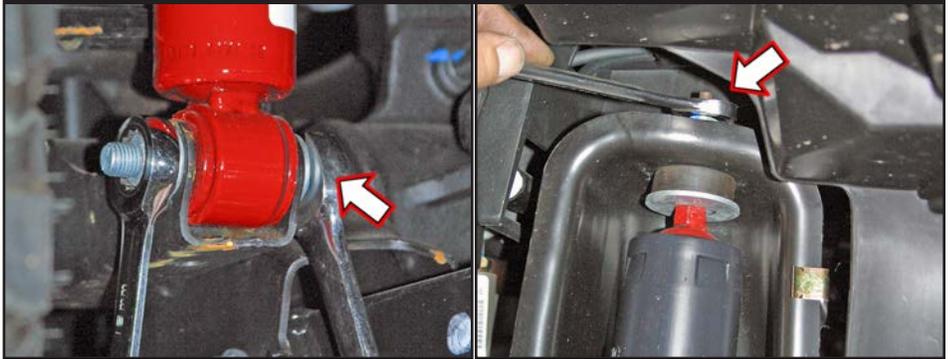
Photo # 3



6. **Note:** If installing a Skyjacker OEM Replacement Steering Stabilizer, remove OEM steering stabilizer using a 18mm socket \ wrench. (See Photo # 3)

7. Remove OEM front shock. Disconnect at lower axle mount using a 18mm socket \ wrench & at upper frame mount a 14mm socket \ wrench. (See Photo # 4)

Photo # 4



8. **Tech Note:** On some models, it will be necessary to remove OEM brake line bracket to allow coils to be removed.

Disconnect OEM front brake line bracket using a 10mm socket \ wrench.

Note: 2007-10 Models: Disconnect from frame rail mount.
2011-18 Models: Disconnect from axle mount below coil spring.

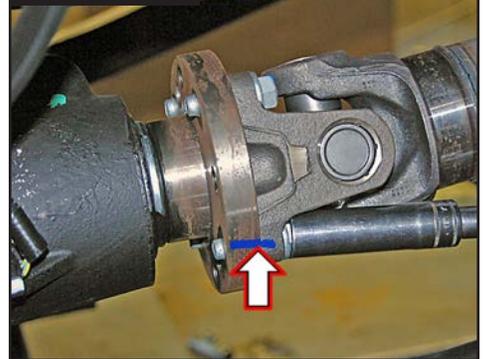
9. On **RUBICON** Models: Disconnect OEM front axle locker sensor & some of the line clips. (See Photo # 5)

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 # 5



Photo # 6



10. **Tech Note:** On some models, it will be necessary to disconnect OEM front drive shaft to ensure the drive shaft does not bind when installing taller springs. Mark the location of OEM front drive shaft \ flange at axle & disconnect using a 15mm socket \ wrench. (See Photo # 6)

11. While checking for appropriate slack in ABS lines, brake lines, differential vent hose & etc, lower the front differential & remove OEM front coil springs.

12. Place Skyjacker # BSS3020-S Front Bump Stop Spacer on top center of OEM lower coil spring mount pad. Measure, mark & center punch OEM lower coil spring mount pad. (See Photo # 7)

Drill center mark using a 25/64" drill bit. (See Photo # 8)

Photo # 7

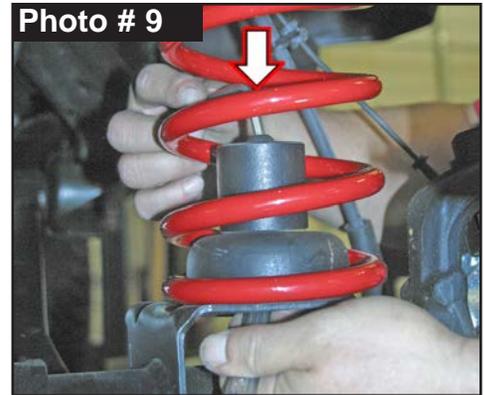


Photo # 8



13. Place Skyjacker Front Bump Stop Spacer inside Skyjacker # JL12FS-DR Front Coil Spring. Install front coil spring with bump stop inside. Insert coil spring into upper tower first. Be sure that the coil & OEM spring isolator are indexed to seat properly, then raise axle enough to hold coil spring in place. **Tech Note:** If front axle cannot be lowered enough to allow coil spring to be installed, carefully rotate the pinion up to provide more clearance.

Insert supplied 3/8" x 2-3/4" Button Head Bolt into bump stop. Align bolt into hole of OEM lower coil spring mount pad. 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 into place using a 7/32" hex key socket \ wrench & 9/16" socket \ wrench. (See Photo # 9) Torque 25 ft.-lbs.



14. Raise front axle in order to load Skyjacker front coil springs.
15. Align marks on OEM front drive shaft \ flange & connect drive shaft with OEM hardware using a 15mm socket \ wrench. (See Photo # 6) Torque 81 ft.-lbs.
16. If installing replacement Skyjacker Steering Stabilizer, install now per separate instructions.

NOTE: Kit With HYDRO, NITRO, Black MAX, or M95 Monotube: Proceed to Step 17.
Kit With ADX 2.0 Remote Reservoir: Proceed to Step 18.

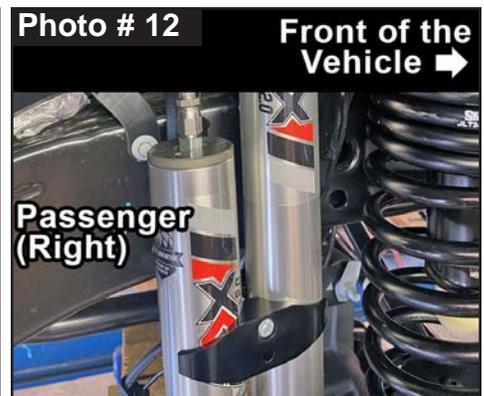
17. Install Skyjacker front shock at upper shock tower mount with supplied stud bushings, cup washers & nut using a 14mm socket \ wrench. (See Photo # 10)



Connect Skyjacker shock at 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.

18. Install Skyjacker ADX front shock. **Tech Note:** ADX Remote Reservoir are to be mounted with the remote reservoir toward rear for proper clearance (opposite side of coil spring mount). (See Photo # 11 & # 12)

Loosely assemble two (2) supplied reservoir clamps with two (2) supplied hex head bolts using a 5/32" Hex Key socket. Position clamp into place around shock & reservoir cylinder. Secure, but **Do Not Completely Tighten**.



Install Skyjacker ADX front shock at upper shock tower mount with supplied stud bushings, cup washers & nut using a 14mm socket \ wrench.

Connect Skyjacker shock at lower axle mount with OEM hardware using a 18mm socket \ wrench. Secure, but **Do Not Completely Tighten** at this time. These will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels.

19. Connect OEM front brake line bracket with OEM hardware using a 10mm socket \ wrench.
20. On **RUBICON** Models: Connect front axle locker sensor. **Note:** Pull out on connector to verify that it is securely plugged in properly. (See Photo # 5)
21. Install the front tires \ wheels using a 19mm socket & lower the vehicle to the ground.
22. Make sure that tires \ wheels are pointed straight ahead. Connect OEM front track bar to axle mount with OEM hardware using a 21mm socket \ wrench. (See Photo # 2) 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.
23. Connect OEM front sway bar end link at lower axle mount with OEM hardware using a 18mm socket \ wrench. (See Photo # 1)

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

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

2. Remove rear tires \ wheels using a 19mm socket.

3. Remove OEM rear shock. Disconnect at lower axle mount using a 18mm socket \ wrench & at upper frame mount a 16mm socket \ wrench. (See Photo # 13)

Photo # 13



4. Disconnect OEM rear sway bar end link at axle mount using a 18mm socket \ wrench. (See Photo # 14)

5. Disconnect OEM brake line bracket from frame mount using a 10mm socket \ wrench. (See Photo # 15)

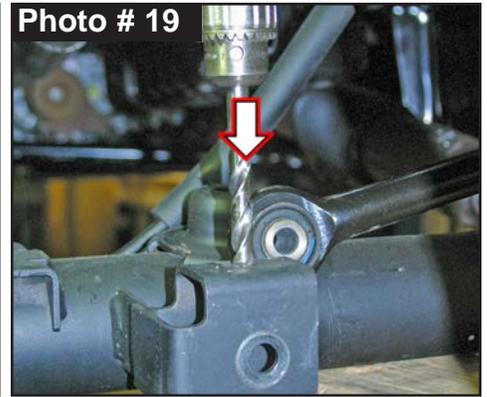
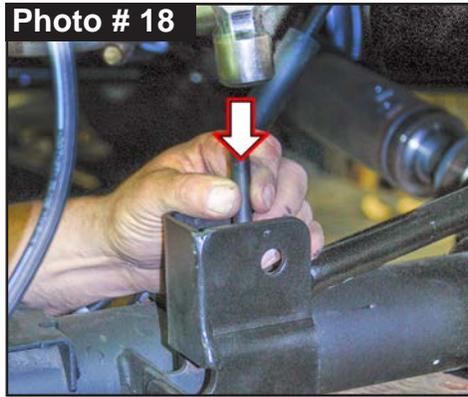
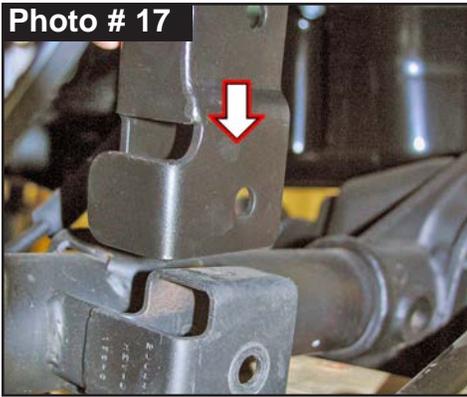
6. Disconnect OEM rear track bar at axle mount using a 21mm socket \ wrench. (See Photo # 16)



7. Lower the rear differential. Remove OEM rear coil spring & upper coil spring isolator.
8. Install Skyjacker # JK24RTB-B Rear Lower Track Bar Bracket over OEM rear lower track bar bracket at axle. (See Photo # 17)

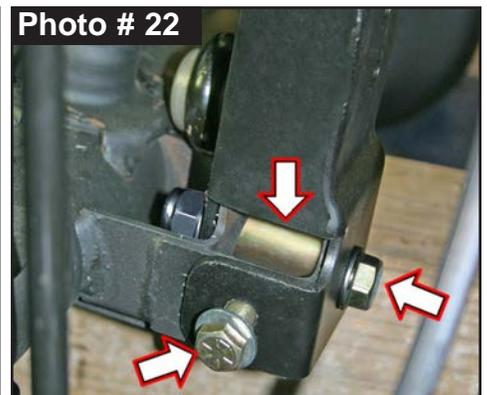
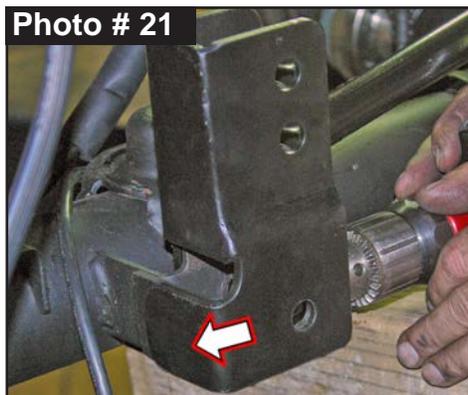
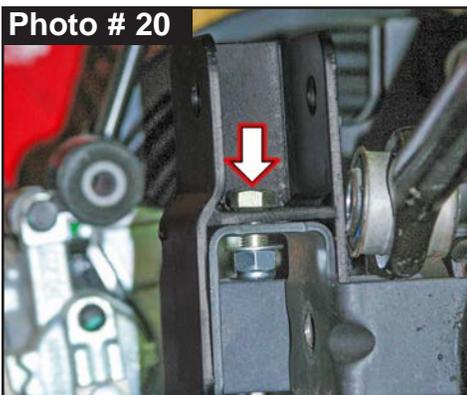
With Skyjacker bracket seated flush, clamp Skyjacker bracket & OEM bracket together in using locking C-clamp pliers. From the top side, use the Skyjacker bracket hole as a guide & mark / center punch the OEM bracket. (See Photo # 18)

Remove Skyjacker bracket & drill axle mount using a 15/32" drill bit. (See Photo # 19)



9. Insert supplied 7/16" x 1" Fine Thread Bolt down through bracket \ axle mount. Attach with 7/16" SAE Washer & 7/16" Nylon Insert Lock Nut using a 5/8" socket \ wrench. (See Photo # 20) Torque 60 ft.-lbs.
 10. With bracket \ axle mount tightly in place, use the OEM bracket hole as a guide & mark / center punch the Skyjacker bracket. Drill mount hole using a 17/32" drill bit. (See Photo # 21)
- Insert supplied 1/2" x 1-1/4" Fine Thread Bolt with 1/2" SAE Washer outside & 1/2" Nylon Insert Lock Nut inside using a 3/4" socket \ wrench. Secure, but **Do Not Completely Tighten**.
- Insert supplied 9/16" x 3-1/2" Fine Thread Bolt with 9/16 SAE Washer from rear-to-front through bottom hole of bracket \ axle mount.

Place #CS1625 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. (See Photo # 22) Tighten All Mounting Hardware.



11. Install Skyjacker # JK25RBS-S Rear Bump Stop Spacer to OEM axle bump stop pads with supplied 5/16" x 1" Fine Thread Bolt with a 5/16" SAE Washer & a 5/16" SAE Washer with 5/16" Nylon Insert Lock Nut using 1/2" wrenches. (See Photo # 23)

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

Photo # 23

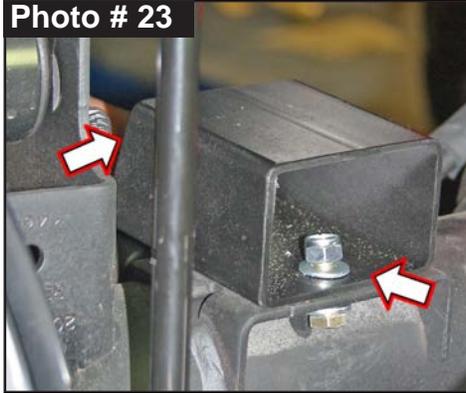
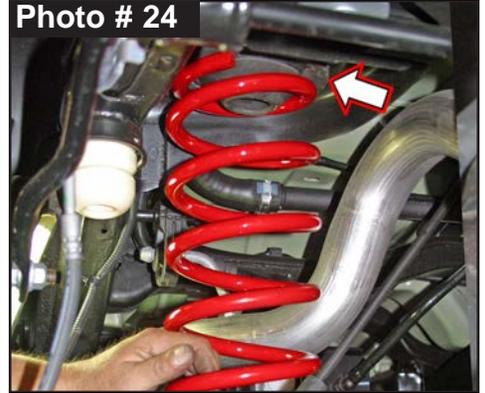


Photo # 24



12. Install Skyjacker rear coil spring. Be sure coil spring is seated properly at lower axle mount by rotating the coil until the pigtail hits the spring stop. **Note:** Be sure OEM upper coil spring isolator is properly aligned with coil & upper coil spring mount. (See Photo # 24)
Raise rear axle to load Skyjacker rear coil springs.

13. Remove the three (3) OEM upper left differential cover bolts. (See Photo # 25)

14. Attach Skyjacker # JKBRC15-B Track Bar Brace to rear differential. Place tapered end of Skyjacker brace in between coil spring mount & track bar mount bracket.

Connect Skyjacker brace to differential cover \ housing.

Note: Insert supplied 5/16" x 1" Coarse Thread Bolt with 5/16" Lock Washer through brace. Place 5/16" Extra Thick Flat Washer between brace & differential cover. (See Photo # 26) Secure using a 1/2" socket \ wrench, but **Do Not Completely Tighten**.

15. Connect OEM rear track bar to Skyjacker brace & bracket. Run supplied 9/16" x 3" Fine Thread Bolt with 9/16 SAE Washer from front-to-rear through lower hole of brace, bracket & OEM track bar. (See Photo # 27)

Attach with 9/16" SAE Washer & 9/16" Nylon Insert Lock Nut using a 13/16" & 7/8" socket \ wrench. Secure, but **Do Not Completely Tighten** at this time.

Tech Note: It may be necessary to raise \ lower axle to align track bar bolt. A ratchet strap can be helpful to align track bar / bracket together.

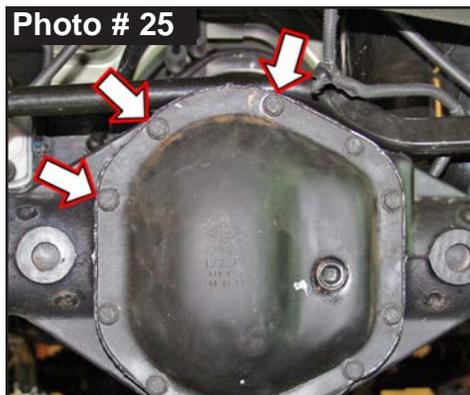


Photo # 26

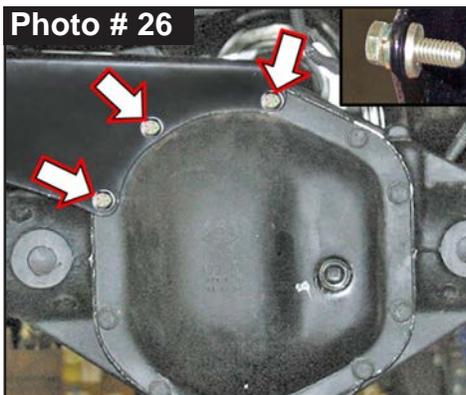
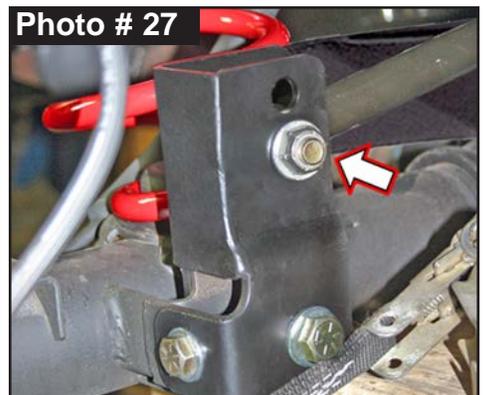


Photo # 27



16. Attach OEM brake line to the frame with OEM hardware using a 10mm socket \ wrench. (See Photo # 15)

17. Attach OEM rear sway bar end links with OEM hardware using a 18mm socket \ wrench. (See Photo # 14)

NOTE: Kit With HYDRO, NITRO, Black MAX, or M95 Monotube: Proceed to Step 18.
Kit With ADX 2.0 Remote Reservoir: Proceed to Step 19.

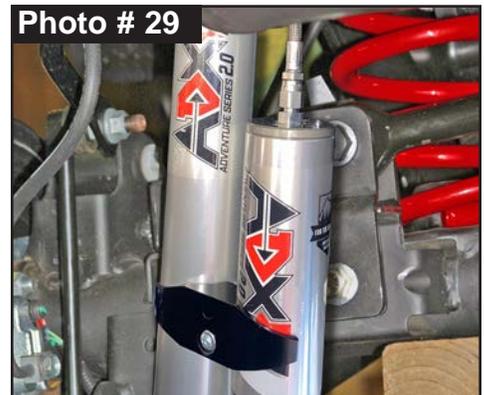
18. Install Skyjacker rear shock. Connect upper shock mount with OEM hardware using a 16mm socket \ wrench. Connect lower shock mount with OEM hardware using a 18mm socket \ wrench. (See Photo # 28) Secure, but **Do Not Completely Tighten** at this time. **Tech Note:** Black MAX & M95 Monotube are to be mounted with cylinder body up for proper installation of pre-installed upper mount bushings.



19. **Tech Note:** ADX Remote Reservoir shocks are to be mounted with cylinder body up. Remote reservoir is to be mounted toward rear of vehicle & rotated inward for proper clearance. (See Photo # 29)

Loosely assemble two (2) supplied reservoir clamps with two (2) supplied hex head bolts using a 5/32" Hex Key socket. Position clamp into place around shock & reservoir cylinder. Secure, but **Do Not Completely Tighten** at this time.

Install Skyjacker ADX rear shock. Connect upper shock mount with OEM hardware using a 16mm socket \ wrench. Connect lower shock mount with OEM hardware using a 18mm socket \ wrench. Secure, but **Do Not Completely Tighten** at this time.



20. Install the rear tires \ wheels using a 19mm socket \ wrench & lower the vehicle to the ground.

Final Clearance Check & Torque Steps:

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

The 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.

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.
3. **Front Tighten & Torque Sequence.**
Skyjacker track bar at axle using a 21mm socket \ wrench. Torque 125 ft-lbs.
Front shock absorber upper mount using a 14mm socket \ wrench. Torque 32 ft-lbs.
Front shock absorber lower mount using a 18mm socket \ wrench. Torque 74 ft-lbs.
ADX Reservoir clamp. Double check position & clearance. Tighten with 5/32" Hex Key socket.
Sway bar end link lower bolt using a 18mm socket \ wrench. Torque 59 ft-lbs.

4. Rear Tighten & Torque Sequence.

Skyjacker track bar bracket bolts. 1/2" Bolt Torque 90 ft-lbs. 9/16" Bolt Torque 130 ft-lbs.
Track bar at Skyjacker bracket using a 13/16" & 7/8" socket \ wrench. Torque 130 ft-lbs.
Skyjacker track bar brace at differential cover using a 1/2" socket \ wrench. Torque 45 ft-lbs.
Rear shock absorber upper mount using a 16mm socket \ wrench. Torque 45 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 5/32" Hex Key socket.
Sway bar end link lower bolt using a 18mm socket \ wrench. Torque 59 ft-lbs.

Final Notes:

- After installation is complete, double check that all nuts & bolts are tight. Refer to the 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	102 in-lbs	108 in-lbs
3/8	30 ft-lbs	35 ft-lbs	8MM	16 ft-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

**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.