



SKYJACKER

SUSPENSIONS

SKYJACKER.COM

Jeep Wrangler JL 1"-1.5" & 2"-2.5" Suspension Lift Installation Instructions

Required Tools List:

- **SAE Hex Key & SAE Sockets \Wrenches**
(7/32", & 5/16" Hex Key Sockets,
1/2", & 9/16")
- **Metric Hex Key & Metric Sockets \Wrenches**
(6mm Hex Key Socket, 8mm, 10mm, 13mm,
15mm, 18mm, 19mm, 21mm, & 22mm)
- **Plastic Fastener Removal Tool**
- **Measuring Tape** • **Safety Glasses**
- **Wheel Chock** • **Jack Stands**
- **Floor Jack** • **Pliers**
- **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:

- 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: 1"-1.5"**Part # JL15BPBLT (WITH BLACK MAX)**

Item #	Description	Qty
JL10FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-L	DUAL RATE COIL, REAR 16.5	1
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
H-BOX JL15BP	HDWR BOX: JL15BP	1
B8385 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8387 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JL15BPMLT (WITH M95)

Item #	Description	Qty
JL10FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-L	DUAL RATE COIL, REAR 16.5	1
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
H-BOX JL15BP	HDWR BOX: JL15BP	1
M9385 (FRONT)	M95 MONOTUBE SHOCK	2
M9387 (REAR)	M95 MONOTUBE SHOCK	2

Part # JL15RBPBLT (WITH BLACK MAX)

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL15BP	HDWR BOX: JL15BP	1
B8385 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8387 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JL15RBPMLT (WITH M95)

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL15BP	HDWR BOX: JL15BP	1
M9385 (FRONT)	M95 MONOTUBE SHOCK	2
M9387 (REAR)	M95 MONOTUBE SHOCK	2

Part # JL15BPBLTD (WITH BLACK MAX)

Item #	Description	Qty
JL10HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL10RS-DR-L	DUAL RATE COIL, REAR 16.5	1
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
H-BOX JL15BP	HDWR BOX: JL15BP	1
B8385 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8387 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JL15BPMLTD (WITH BLACK MAX)

Item #	Description	Qty
JL10HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL10RS-DR-L	DUAL RATE COIL, REAR 16.5	1
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
H-BOX JL15BP	HDWR BOX: JL15BP	1
B8385 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8387 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Component Box Breakdown: 1"-1.5"**Part # JL15RBPBLTD (WITH BLACK MAX)**

Item #	Description	Qty
JL12HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL10RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL15BP	HDWR BOX: JL15BP	1
B8385 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8387 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JL15RBPMLTD (WITH M95)

Item #	Description	Qty
JL12HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL15BP	HDWR BOX: JL15BP	1
M9385 (FRONT)	M95 MONOTUBE SHOCK	2
M9387 (REAR)	M95 MONOTUBE SHOCK	2

Hardware Box Breakdown: 1"-1.5"**Part # H-BOX JL15BP**

Item #	Description	Qty
JL10RBS-S	BUMP STOP SPACER, 1" REAR	2
SBE4018-L	SWAY BAR END LINK	2
HB-JK23	HDWR BAG: BSS3010 BUMP STOP	1
HB-JL10RBS	HDWR BAG: JL REAR BUMP STOP	1
HB-JLSBE24	HDWR BAG: JL FRONT END LINK	1

Hardware Bag Breakdown: 1"-1.5"**Part # HB-JK23**

Item #	Description	Qty
BSS3010-S	BUMP STOP SPACER, 1" FRONT	2
38X134BHB	3/8 X 1-3/4 BUTTON HEAD BOLT	2
38CTN	3/8-16 COARSE N/I LOCK NUT	2
38SAEW	3/8 SAE WASHER	1

Part # HB-JL10RBS

Item #	Description	Qty
516X134BHB	5/16 X 1-3/4 BUTTON HEAD BOLT	4
516SAEW	5/16 SAE WASHER	4
516CTN	5/16-18 COARSE N/I LOCK NUT	4

Part # HB-JLSBE24

Item #	Description	Qty
HG5815-K	HOURLASS 5/8 X 1.5 BLACK	4
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

Component Box Breakdown: 2"-2.5"**Part # JL20BLT**

Item #	Description	Qty
JL10FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-L	DUAL RATE COIL, REAR 16.5	1
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
H-BOX JL25BP	HDWR BOX: JL25BP	1

Part # JL20BPBLT (WITH BLACK MAX)

Item #	Description	Qty
JL10FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-L	DUAL RATE COIL, REAR 16.5	1
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
H-BOX JL25BP	HDWR BOX: JL25BP	1
B8386 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8388 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JL20BPMLT (WITH M95)

Item #	Description	Qty
JL10FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-L	DUAL RATE COIL, REAR 16.5	1
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
H-BOX JL25BP	HDWR BOX: JL25BP	1
M9386 (FRONT)	M95 MONOTUBE SHOCK	2
M9388 (REAR)	M95 MONOTUBE SHOCK	2

Part # JL20RBPBLT (WITH BLACK MAX)

Item #	Description	Qty
JL12HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL10RS-DR-L	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1
B8386 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8388 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JL20RBPMLT (WITH M95)

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1
M9386 (FRONT)	M95 MONOTUBE SHOCK	2
M9388 (REAR)	M95 MONOTUBE SHOCK	2

Part # JL20RBLT (FOR ADX 2.0)

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1

Part # JL2025X (ADX 2.0 SHOCKS)

Item #	Description	Qty
A2386	ADX 2.0 REMOTE RESERVOIR	2
A2388	ADX 2.0 REMOTE RESERVOIR	2

Component Box Breakdown: 2"-2.5"**Part # JL25BLT (FOR ADX 2.0)**

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL25BP	HDWR BOX: JL25BP	1

Part # JL25BLTD (FOR ADX 2.0)

Item #	Description	Qty
JL12HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL25BP	HDWR BOX: JL25BP	1

Part # JL2025X (ADX 2.0 SHOCKS)

Item #	Description	Qty
A2386	ADX 2.0 REMOTE RESERVOIR	2
A2388	ADX 2.0 REMOTE RESERVOIR	2

Part # JL25BPBLT (WITH BLACK MAX)

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL25BP	HDWR BOX: JL25BP	1
B8386 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8388 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JL25BPMLT (WITH M95)

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1
M9386 (FRONT)	M95 MONOTUBE SHOCK	2
M9388 (REAR)	M95 MONOTUBE SHOCK	2

Part # JL25RBLT (FOR ADX 2.0)

Item #	Description	Qty
JL23FS-DR	DUAL RATE COIL, FRONT	2
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
JL23RS-DR-R	DUAL RATE COIL, REAR 19.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1

Part # JL25RBLTD (FOR ADX 2.0)

Item #	Description	Qty
JL23HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
JL23RS-DR-R	DUAL RATE COIL, REAR 19.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1
B8386 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8388 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Component Box Breakdown: 2"-2.5"

Part # JL25RBPBLT (WITH BLACK MAX)

Item #	Description	Qty
JL23FS-DR	DUAL RATE COIL, FRONT	2
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
JL23RS-DR-R	DUAL RATE COIL, REAR 19.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1
B8386 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8388 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JL25RBPMLT (WITH M95)

Item #	Description	Qty
JL23FS-DR	HD DUAL RATE COIL, FRONT	2
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
JL23RS-DR-R	DUAL RATE COIL, REAR 19.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1
M9386 (FRONT)	M95 MONOTUBE SHOCK	2
M9388 (REAR)	M95 MONOTUBE SHOCK	2

Part # JL25BPBLTD (WITH BLACK MAX)

Item #	Description	Qty
JL12HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1
B8386 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8388 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JL25BPMLTD (WITH M95)

Item #	Description	Qty
JL12HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL10RS-DR-R	DUAL RATE COIL, REAR 17.5	1
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
H-BOX JL25BP	HDWR BOX: JL25BP	1
M9386 (FRONT)	M95 MONOTUBE SHOCK	2
M9388 (REAR)	M95 MONOTUBE SHOCK	2

Part # JL25RBPBLTD (WITH BLACK MAX)

Item #	Description	Qty
JL23HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
JL23RS-DR-R	DUAL RATE COIL, REAR 19.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1
B8386 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8388 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JL25RBPMLTD (WITH M95)

Item #	Description	Qty
JL23HDFS-DR	HD DUAL RATE COIL, FRONT	2
JL12RS-DR-R	DUAL RATE COIL, REAR 18.5	1
JL23RS-DR-R	DUAL RATE COIL, REAR 19.5	1
H-BOX JL25RBP	HDWR BOX: JL25RBP	1
M9386 (FRONT)	M95 MONOTUBE SHOCK	2
M9388 (REAR)	M95 MONOTUBE SHOCK	2

Hardware Box Breakdown: 2"-2.5"

Part # H-BOX JL25BP

Item #	Description	Qty
JK25RBS-S	BUMP STOP BRKT. 2" REAR	2
SBE4028-L	SWAY BAR END LINK, FRONT	2
SBE4058-L	SWAY BAR END LINK, REAR	2
HB-JK20	HDWR BAG: JL BUMPSTOP	1
HB-SBENB04	HDWR BAG: SBE4058, 4068	1
HB-SBENB24	HDWR BAG: END LINKS	1

Part # H-BOX JL25RBP

Item #	Description	Qty
JK25RBS-S	BUMP STOP BRKT. 2" REAR	2
SBE4028-L	SWAY BAR END LINK, FRONT	2
SBE4068-L	SWAY BAR END LINK, REAR	2
HB-JK20	HDWR BAG: JL BUMP STOP	1
HB-SBENB04	HDWR BAG: SWAY END LINK, RR	1
HB-SBENB24	HDWR BAG: SWAY END LINK, FRT	1

Hardware Bag Breakdown: 2"-2.5"

Part # HB-JK20

Item #	Description	Qty
BSS3020-S	BUMP STOP SPACER, 2" TALL	2
38X234BHB	3/8 X 2-3/4 BUTTON HEAD BOLT	2
38CTN	3/8-16 COARSE N/I LOCK NUT	2
38SAEW	3/8 SAE WASHER	2
516X1FTB	5/16 X 1 FINE THREAD BOLT	4
516SAEW	5/16 SAE WASHER	8
516FTN	5/16 FINE THRD N/I LOCK NUT	4

Part # HB-SBENB04

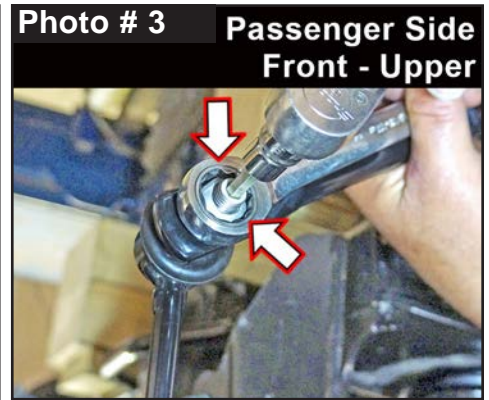
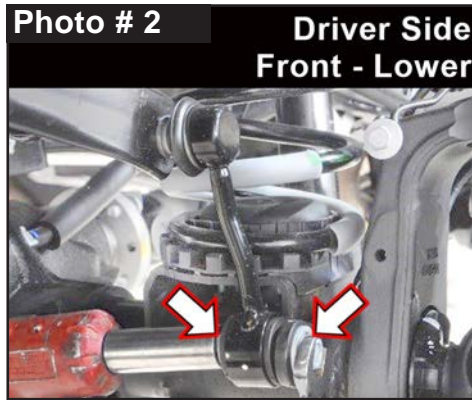
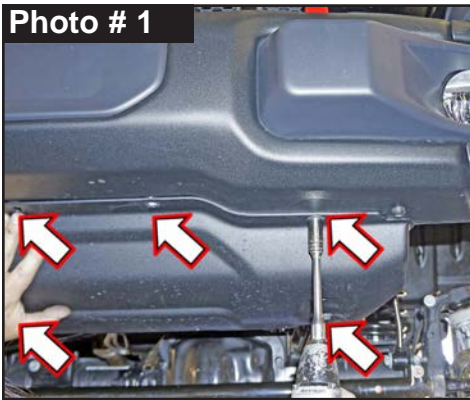
Item #	Description	Qty
141509	ES25 SLEEVE, 1.50 LONG	4
12X65MMB	12MM X 65MM METRIC BOLT	2
716USSW	7/16 USS FLAT WASHER	4
12MMN	12MM NYLON INSERT LOCK NUT	2

Part # HB-SBENB24

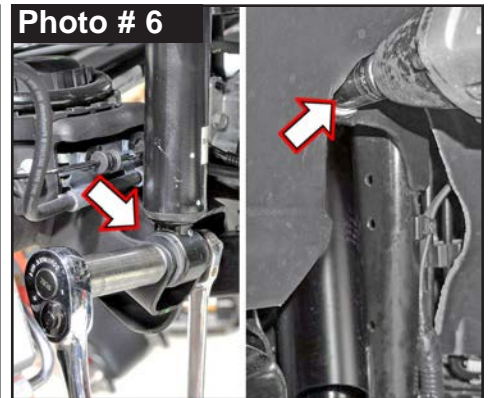
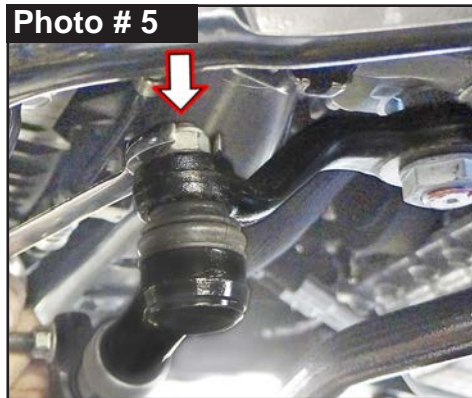
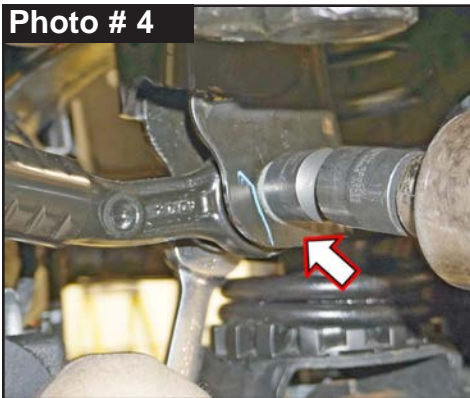
Item #	Description	Qty
1412BSG-S	SWAY BAR REDUCER BUSHING	2
141509	ES25 SLEEVE, 1.50 LONG	4
12X70MMB	12MM X 70MM METRIC BOLT	2
716USSW	7/16 USS FLAT WASHER	4
12MMN	12MM NYLON INSERT LOCK NUT	2

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

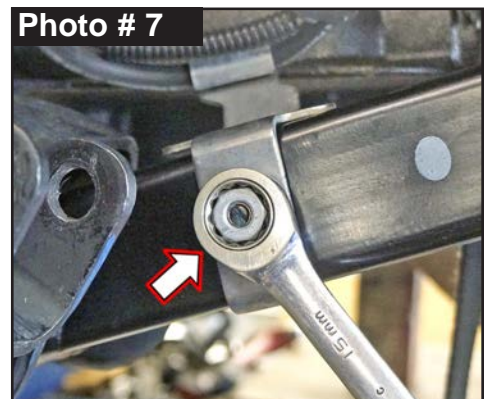
1. With vehicle on flat level ground, set emergency brake & chock rear tires\wheels.
2. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual.
3. Remove front tires\wheels using a 22mm socket.
4. Remove OEM front skid plate using a 13mm socket \wrench.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



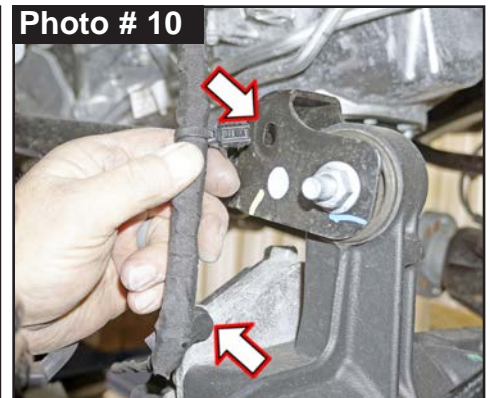
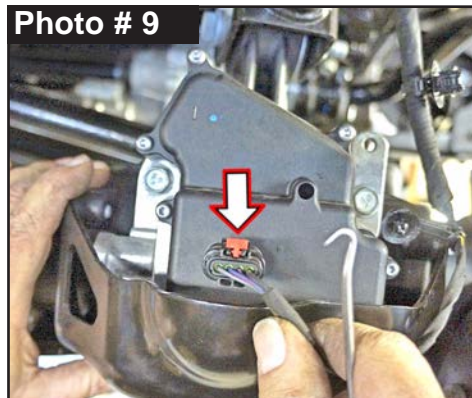
7. Disconnect OEM front track bar from frame mount using a 21mm socket \wrench. (Photo # 4)
8. Disconnect OEM drag link from OEM pitman arm using a 21mm socket \wrench. (Photo # 5)
9. Disconnect OEM front shock from upper shock tower mount & lower axle mount using a 18mm socket \wrench. (Photo # 6)



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



11. Mark location of OEM front driveshaft & front differential input yoke.
Disconnect OEM front driveshaft using a 15mm socket\wrench. (Photo # 8)
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. Disconnect OEM CAD 4WD Actuator wiring harness clips from Passenger Side above front axle using a plastic fastener removal tool. (Photo # 10)



14. **Rubicon Models:** OEM front locker must be disconnected. On driver side located at 'inner' frame rail above axle, unplug OEM harness plug. (Photo # 11) **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 # 11)



15. Disconnect OEM vent hose from front differential using pliers. (Photo # 12)
16. While checking for appropriate slack in ABS lines, brake lines, differential vent hose & etc. Lower front differential & remove OEM front coil springs.

NOTE: JL15 1"-1.5" Kits: Proceed to Steps 17-18.
JL20 & JL25 2"-2.5" Kits: Proceed to Steps 19-20.

17. **JL15 1"-1.5" Kits:** Skyjacker Front Coil Springs Are Not Side Specific.
Place Skyjacker # BSS3010-S 1" Front Bump Stop Spacer inside Skyjacker Front Coil Spring. Install front coil spring with bump stop inside. (Photo # 13) Insert coil spring into upper tower first. Be sure that coil is indexed to seat properly, then raise axle enough to hold coil springs in place. **Tech Note:** If front axle cannot be lowered enough to allow coil spring to be installed, carefully rotate pinion up to provide more clearance for coil installation.

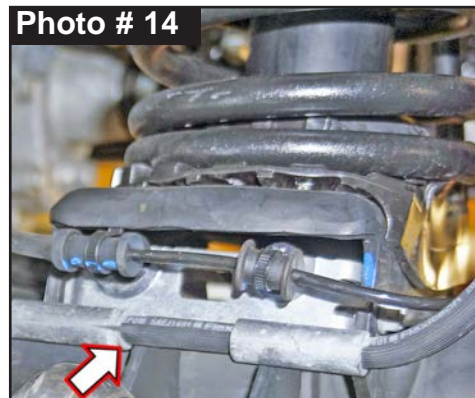
18. Insert supplied 3/8" x 1-3/4" Button Head Bolt into bump stop. Align bolt into hole of OEM lower coil spring mount pad. Reach under spring mount pad & above axle tube to install supplied 3/8" SAE Washer & 3/8" Nylon Insert Lock Nut onto bolt. (Photo # 13)

Tighten bump stop 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 lock nut.

At rear of axle above shock mount, remove ABS mounting bracket using a 10mm socket \ wrench. (Photo # 14)

Once bump stop spacer is tight, reinstall ABS bracket onto axle. **Proceed to Step 21.**



19. **JL20 & JL25 2"-2.5" Kits:** Skyjacker Front Coil Springs Are Not Side Specific.

Place Skyjacker # BSS3020-S 2" Front Bump Stop Spacer inside Skyjacker Front Coil Spring.

Install front coil spring with bump stop inside. (Photo # 15) Insert coil spring into upper tower first. Be sure that coil is indexed to seat properly, then raise axle enough to hold coil springs in place. **Tech Note:** If front axle cannot be lowered enough to allow coil spring to be installed, carefully rotate pinion up to provide more clearance for coil installation.

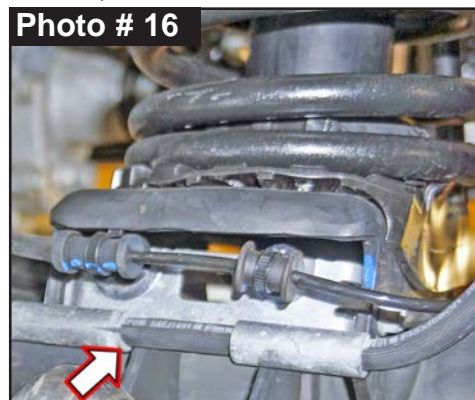
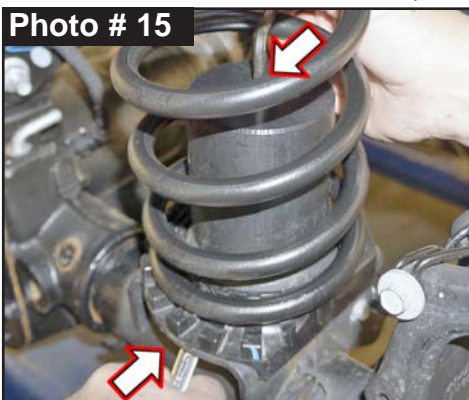
20. Insert supplied 3/8" x 2-3/4" Button Head Bolt into bump stop. Align bolt into hole of OEM lower coil spring mount pad. Reach under spring mount pad & above axle tube to install supplied 3/8" SAE Washer & 3/8" Nylon Insert Lock Nut onto bolt. (Photo # 15)

Tighten bump stop 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 lock nut.

At rear of axle above shock mount, remove ABS mounting bracket using a 10mm socket \ wrench. (Photo # 16)

Once bump stop spacer is tight, reinstall ABS bracket onto axle. **Proceed to Step 21.**



21. Raise front axle in order to load Skyjacker front coil springs.

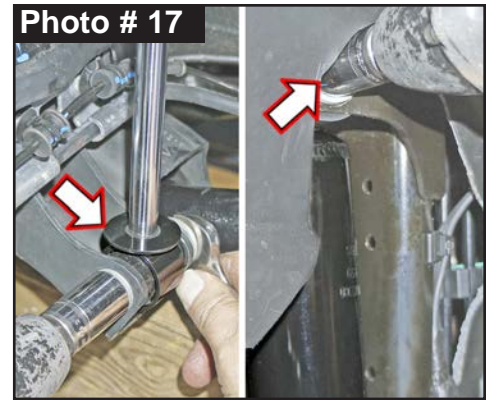
NOTE: Kit With Black MAX \ M95 Monotube: Proceed to Step 22.

Kit With ADX 2.0 Remote Reservoir: Proceed to Step 23.

22. 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 # 17)
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 # 17) 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. **Proceed to Step 24.**



23. **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 # 18 & # 19)

Locate Skyjacker ADX front shock. Loosely assemble two (2) supplied reservoir clamps with two (2) supplied

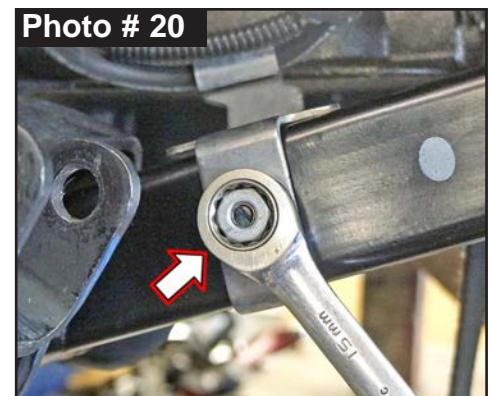
hex head bolts using a hex key socket (one (1) front & one (1) back). Position clamp into place around shock body & reservoir cylinder. Secure, but **Do Not Completely Tighten**.

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. **Proceed to Step 24.**

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, 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.

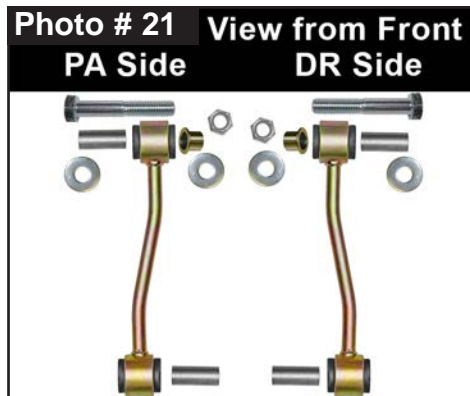
24. Connect OEM front brake line bracket to OEM front lower control arm with OEM hardware using a 15mm socket\wrench. (Photo # 20)



25. **Note:** Skyjacker Sway Bar End Links Are Not Side Specific. Installation Direction \ Position Is Side Specific. (Photo # 21)

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

Press Sleeves into supplied Sway Bar End Link Eyes.



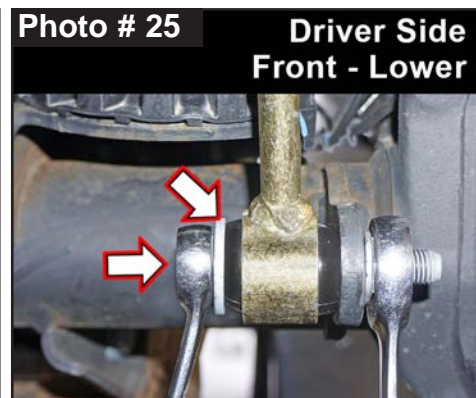
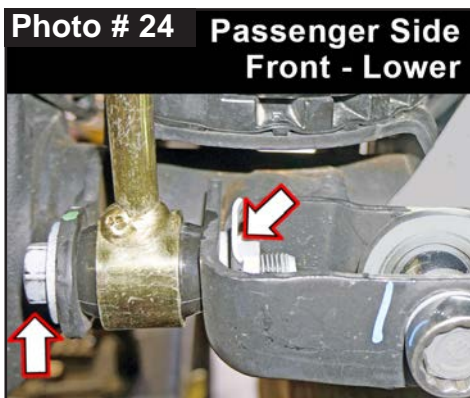
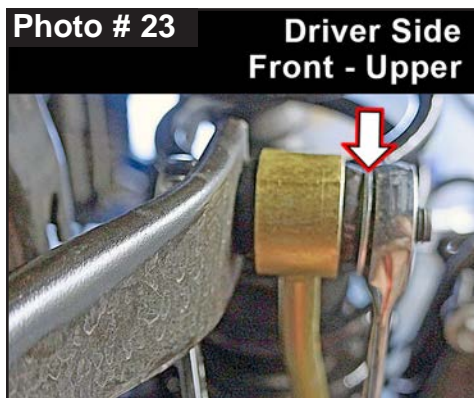
26. **Note:** Skyjacker # 1412BSG-S Sway Bar Reducer Bushing is supplied for **All 2024+ Models**. Insert Sway Bar Reducer Bushing into OEM sway bar from outside-to-inside. (Photo # 22)

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 # 23) Secure, but **Do Not Completely Tighten**.

27. Install Skyjacker Sway Bar End Link Assembly lower eye mount with OEM hardware using a 18mm socket \ wrench. (Photo # 24) Secure, but **Do Not Completely Tighten**.

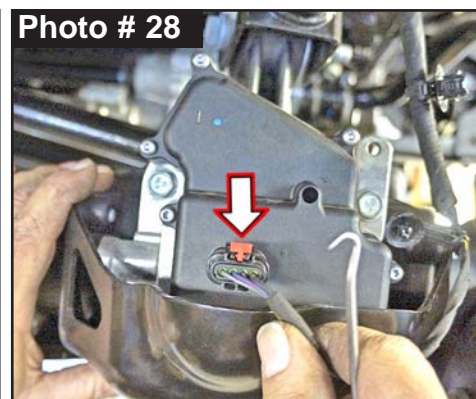
Note: On Driver Side, install lower OEM bolt head with large washer from inside-to-outside through outer bushing side of end link. (Photo # 25) Secure, but **Do Not Completely Tighten**.



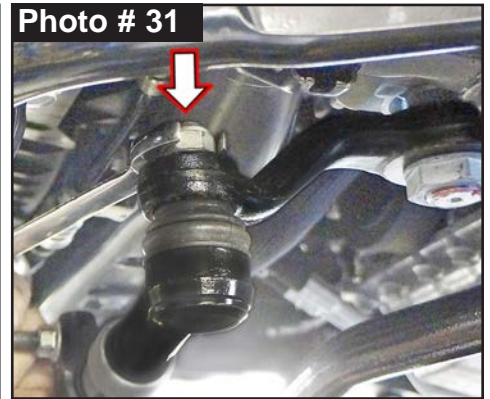
28. Connect OEM vent hose \ clip to front differential using pliers. (Photo # 26)

29. Connect OEM CAD 4WD Actuator wiring clips to front axle on passenger side. (Photo # 27)

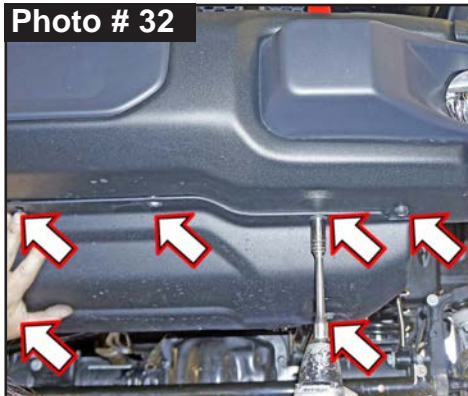
30. Connect OEM CAD 4WD Actuator, on passenger side located at inner frame rail above axle. (Photo # 28) **Tech Note:** Pull out on connector to verify that it is securely plugged in properly.



31. **Rubicon Models:** Connect OEM front locker on driver side. (Photo # 29) **Tech Note:** Pull out on connector to verify that it is securely plugged in properly.
Clip OEM wiring harness clips to frame. (Photo # 29)
32. Align marks on OEM front driveshaft\flange. Connect driveshaft with OEM hardware using a 15mm socket\wrench. (Photo # 30) Torque 89 ft-lbs.
33. Connect OEM drag link to OEM pitman arm with OEM hardware using a 21mm socket\wrench. (Photo # 31) **Note:** 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. Torque 75 ft-lbs.



34. Install OEM front skid plate with OEM hardware using a 13mm socket\wrench. (Photo # 32)



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



36. Connect OEM front track bar to frame mount with OEM hardware using a 21mm socket\wrench. (Photo # 33)
Tech Note: It may be necessary to turn steering wheel to align track rod end with mount.

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. **Tech Note:** OEM rear lower control arms will need to move freely during this installation.
2. Remove rear tires\wheels using a 22mm socket.

3. **JL15 1"-1.5" Kits:**

Disconnect OEM rear sway bar end link at lower axle mount using a 18mm socket \wrench. (Photo # 34)

Photo # 34

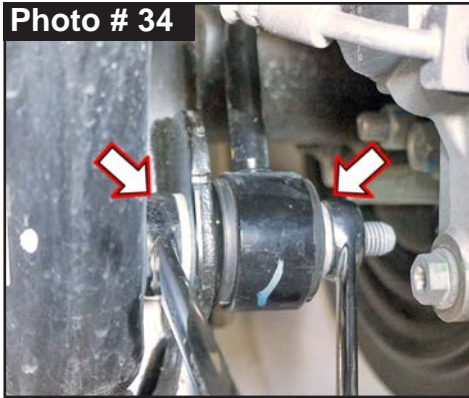
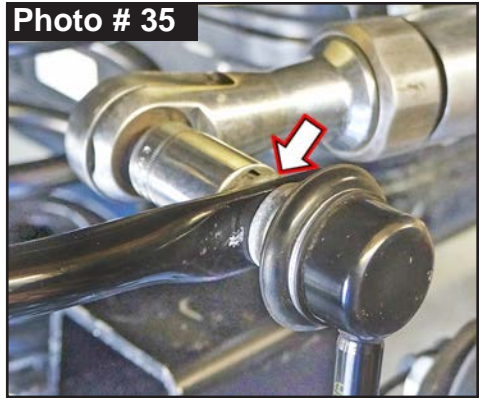


Photo # 35



4. **JL20 & JL25 2"-2.5" Kits:**

Remove OEM rear sway bar end link using a 6mm hex key socket \wrench & 18mm socket \wrench. (Photo # 34 & # 35)

5. Disconnect OEM rear brake line brackets from rear axle at upper control arm mount using a 13mm socket \wrench. (Photo # 36)

Photo # 36

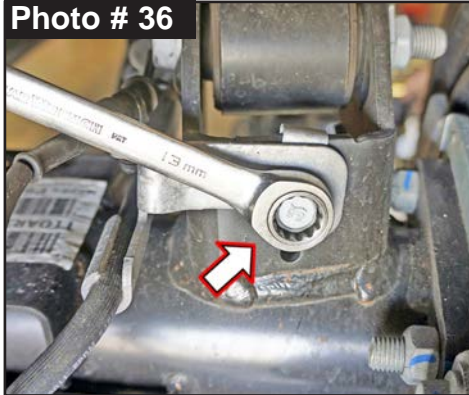
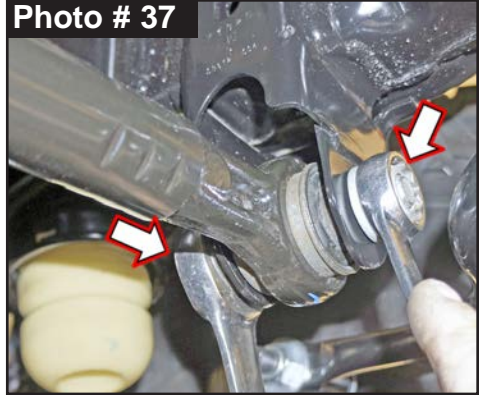


Photo # 37



6. Disconnect OEM rear track bar from passenger side upper frame mount using a 21mm socket \wrench. (Photo # 37)

7. In order to gain access to OEM rear upper shock mounting bolts, remove three (3) OEM bolts rear bumper inner fender liner using a 8mm socket \wrench. (Photo # 38) Retain hardware. Remove OEM rear shocks using a 18mm socket \wrench. (Photo # 39 & # 40) **Note:** OEM upper shock mount has nut attached to shock mount.

Photo # 38

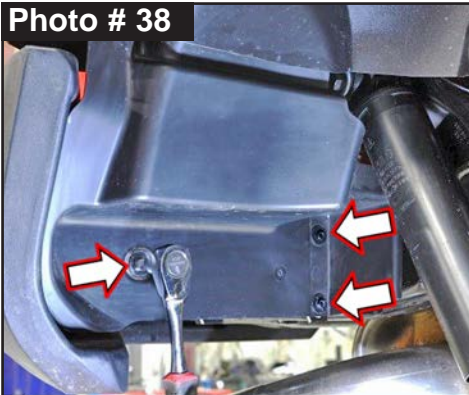


Photo # 39

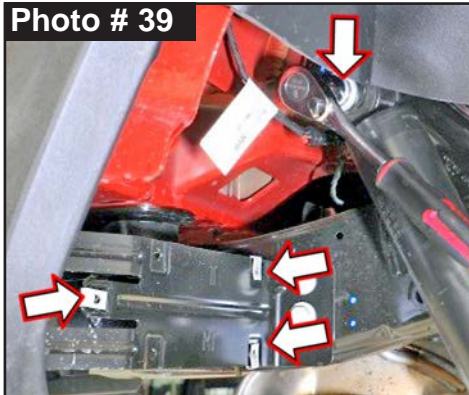
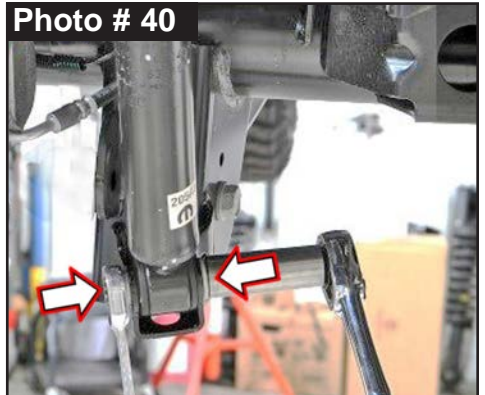


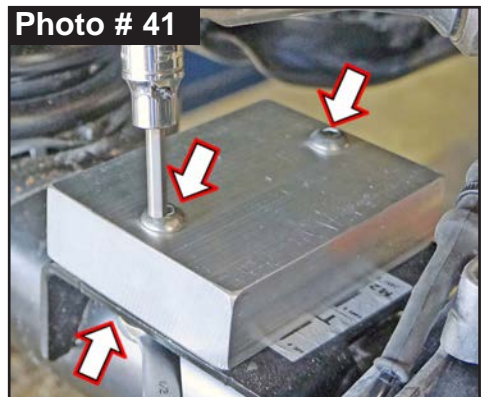
Photo # 40



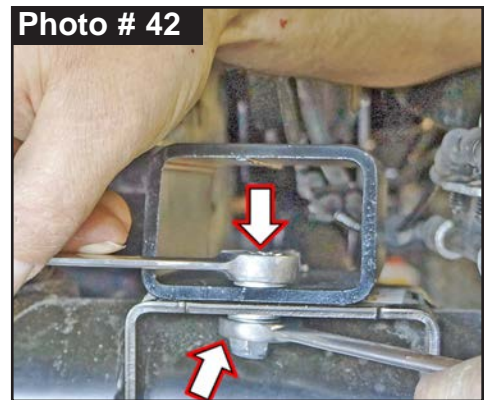
8. While checking for appropriate slack in ABS lines, brake lines, differential vent hose & etc, lower rear axle & remove OEM rear coil springs.

9. **JL15 1"-1.5" Kits:** Install Skyjacker # JL10RBS-S Rear Bump Stop Spacer to OEM rear bump stop pads with supplied 5/16" x 1-3/4" Button Head Bolt with a 5/16" SAE Washer on top & a 5/16" SAE Washer with 5/16" Nylon Insert Lock Nut on bottom. Attach using a 3/16" hex key socket \wrench & a 1/2" wrench. (Photo # 41) **Proceed to Step 11.**

Photo # 41



10. **JL20 & JL25 2"-2.5" Kits:** Install Skyjacker # JK25RBS-S Rear Rear Bump Stop Spacer to OEM rear bump stop pads with supplied 5/16" x 1" Fine Thread Bolt with a 5/16" SAE Washer on top. Attach with a 5/16" SAE Washer with 5/16" Nylon Insert Lock Nut on bottom using a 1/2" socket \wrench. (Photo # 42) **Proceed to Step 11.**



11. **Tech Note:** 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.

Note: Be sure that tab of each OEM rear upper coil spring isolator are aligned with hole of OEM rear upper coil spring mount.

(Photo # 43)

Install Skyjacker rear coil springs. (Photo # 44)

Raise rear differential in order to load Skyjacker rear coil springs.



NOTE: Kit With Black MAX \M95 Monotube: Proceed to Step 12.

Kit With ADX 2.0 Remote Reservoir: Proceed to Step 13.

12. 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 up for proper installation of upper mount bushings. **Proceed to Step 14.**

13. **Tech Note:** ADX Remote Reservoir are to be mounted with cylinder body up & remote reservoir toward rear for proper clearance. (Photo # 45)

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. Proceed to Step 14.**

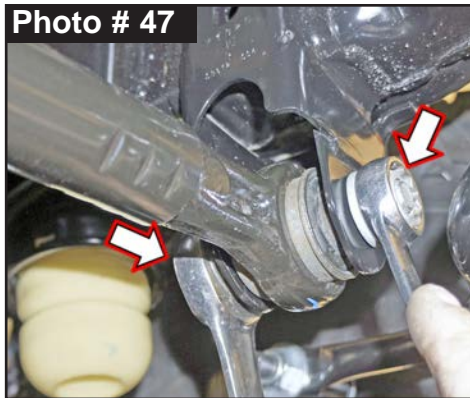
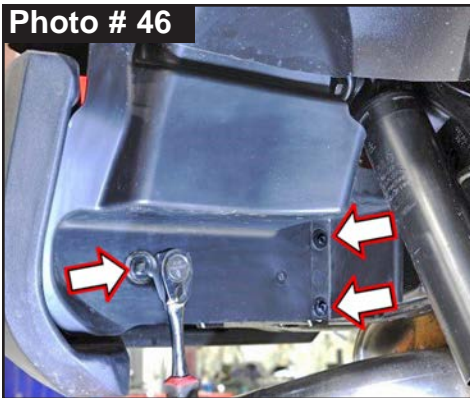


14. Attach OEM rear bumper inner fender liner with OEM bolts using a 8mm socket \wrench. (Photo # 46)

15. Connect OEM rear track bar to upper frame mount with OEM hardware using a 21mm socket \wrench. (Photo # 47) **Note:** Install OEM bolt from front-to-rear of vehicle.

Tech Note: It may be necessary to raise \lower axle to take pressure off track bar bolt.

16. Connect OEM rear brake line brackets to rear differential with OEM hardware using a 13mm socket / wrench. (Photo # 48)



17. **JL15 1-1.5 Inch Kits:** Connect OEM rear sway bar end link at lower axle mount using a 18mm socket\ wrench. (Photo # 49)

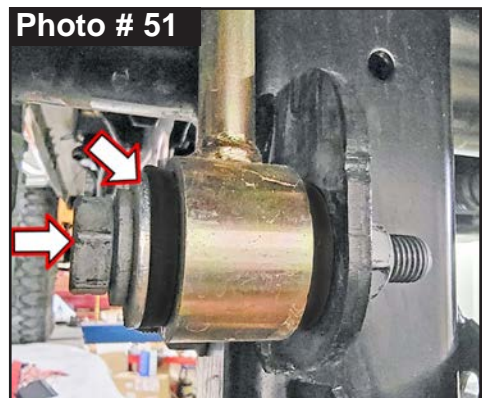
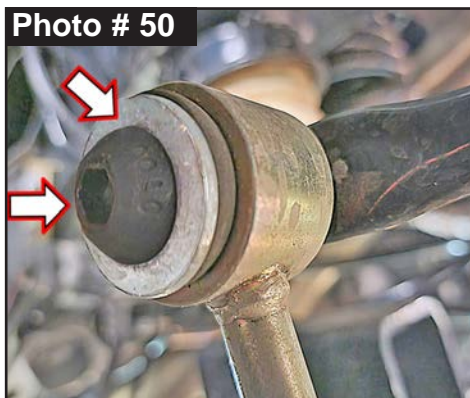
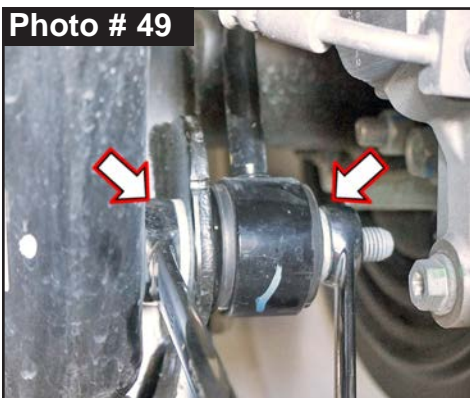
18. **JL20 & JL25 2-2.5 Inch Kits:** **Note:** Skyjacker # SBE4068-L Sway Bar End Links Are Not Side Specific. Installation Direction\ Position Is Side Specific.

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

Press Sleeves into supplied Sway Bar End Link Eyes.

19. Install upper end link mount with supplied 12mm x 65mm Button Head Bolt with a 7/16" USS Washer from outside-to-inside through sway bar. Attach with a 7/16" USS Washer & 12mm Nylon Insert Lock Nut using a 5/16" hex key socket & a 18mm socket\ wrench. (Photo # 50) Secure, but **Do Not Completely Tighten**.

Install lower end link mount with lower OEM bolt head with large washer from inside-to-outside through outer bushing side of end link using a 18mm socket\ wrench. (Photo # 51) Secure, but **Do Not Completely Tighten**.



20. 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 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.

OEM track bar at frame 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.

4. Rear Tighten & Torque Sequence.

OEM track bar at upper frame mount using a 21mm socket \ wrench. 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 mount using a 5/16" hex key socket & a 18mm socket \ wrench. Torque 59 ft-lbs.

Skyjacker sway bar end link mount 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 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.