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**2007-2018 Jeep Wrangler JK 4WD
2-Door & 4-Door Models
3.5"- 4" Suspension Lift
Installation Instructions**

Required Tools List:

- **SAE Hex Key & SAE Sockets \ Wrenches**
(5/16", 5/32" & 7/32" Hex Key Sockets & 7/16", 1/2", 5/8", 9/16", 3/4", 13/16", 7/8" & 1-1/8")
- **Metric Sockets \ Wrenches**
(10mm, 14mm, 15mm, 16mm, 18mm, 19mm, 21mm & 24mm)
- **Sawzall, Dremel Tool or Similar Cutting Tool**
- **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.

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:

- 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.
- 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.

Component Box Breakdown:**Part # JK35BLT**

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1

Part # JK3570X

Item #	Description	Qty
A2075 (FRONT)	ADX 2.0 REMOTE RESERVOIR	2
A2067 (REAR)	ADX 2.0 REMOTE RESERVOIR	2

Part # JK35BPBLT

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
B8575 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8567 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JK35BPHLT

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
H7075 (FRONT)	HYDRO SHOCK W/RED BOOT	2
H7067 (REAR)	HYDRO SHOCK W/RED BOOT	2

Part # JK35BPMLT

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
M9575 (FRONT)	M95 MONOTUBE SHOCK	2
M9567 (REAR)	M95 MONOTUBE SHOCK	2

Part # JK35BPMLT

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
N8075 (FRONT)	NITRO SHOCK W/RED BOOT	2
N8067 (REAR)	NITRO SHOCK W/RED BOOT	2

Component Box Breakdown:**Part # JK350BPBSR**

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
B8565 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8537 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JK350BPHSR

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
H7065 (FRONT)	HYDRO SHOCK W/RED BOOT	2
H7037 (REAR)	HYDRO SHOCK W/RED BOOT	2

Part # JK350BPMSR

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
M9565 (FRONT)	M95 MONOTUBE SHOCK	2
M9537 (REAR)	M95 MONOTUBE SHOCK	2

Part # JK350BPNSR

Item #	Description	Qty
JL12FS-DR	DUAL RATE COIL, FRONT	2
JK25RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
N8065 (FRONT)	NITRO SHOCK W/RED BOOT	2
N8037 (REAR)	NITRO SHOCK W/RED BOOT	2

Hardware Box Breakdown:**Part # H-BOX JK40BP**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER / 3.5 TALL	2
CAM700	CAM BOLTS, UPPER RR & LOWER FRT	2
JK24RTB-B	TRACK BAR BRACKET, REAR	1
JK40RBS-S	BUMP STOP BRACKET, REAR	2
JKBRC15	TRACK BAR BRACE, REAR	1
SBE502	INST SHEET: JK250BP	1
HB-JK4BL	HDWR BAG: BRAKE LINE BRKT	1
HB-JK40BP	HDWR BAG: JK3540BP KITS	1

Part # JKFTBA717

Item #	Description	Qty
JKFTBA10-B	TRACK BAR, FRONT	1
RR34X14RB	3/4 RIGHT HAND JAM NUT	1
34RFTJN	HD 3/4 ROD END / TRACK BAR	1

Component Box Breakdown:**Part # JK40BLT**

Item #	Description	Qty
JL34FS-DR	DUAL RATE COIL, FRONT	2
JK40RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1

Part # JK4070X

Item #	Description	Qty
A2075 (FRONT)	ADX 2.0 REMOTE RESERVOIR	2
A2087 (REAR)	ADX 2.0 REMOTE RESERVOIR	2

Part # JK40BPBLT

Item #	Description	Qty
JL34FS-DR	DUAL RATE COIL, FRONT	2
JK40RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
B8575 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8587 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JK40BPHLT

Item #	Description	Qty
JL34FS-DR	DUAL RATE COIL, FRONT	2
JK40RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
H7075 (FRONT)	HYDRO SHOCK W/RED BOOT	2
H7087 (REAR)	HYDRO SHOCK W/RED BOOT	2

Part # JK40BPMLT

Item #	Description	Qty
JL34FS-DR	DUAL RATE COIL, FRONT	2
JK40RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
M9575 (FRONT)	M95 MONOTUBE SHOCK	2
M9587 (REAR)	M95 MONOTUBE SHOCK	2

Part # JK40BPNLT

Item #	Description	Qty
JL34FS-DR	DUAL RATE COIL, FRONT	2
JK40RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
N8075 (FRONT)	NITRO SHOCK W/RED BOOT	2
N8087 (REAR)	NITRO SHOCK W/RED BOOT	2

Component Box Breakdown:**Part # JK40BPBSR**

Item #	Description	Qty
JL34FS-DR	DUAL RATE COIL, FRONT	2
JK40RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
B8565 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8567 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

Part # JK40BPHSR

Item #	Description	Qty
JL34FS-DR	DUAL RATE COIL, FRONT	2
JK40RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
H7065 (FRONT)	HYDRO SHOCK W/RED BOOT	2
H7067 (REAR)	HYDRO SHOCK W/RED BOOT	2

Part # JK40BPNSR

Item #	Description	Qty
JL34FS-DR	DUAL RATE COIL, FRONT	2
JK40RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
N8065 (FRONT)	NITRO SHOCK W/RED BOOT	2
N8067 (REAR)	NITRO SHOCK W/RED BOOT	2

Part # JK400BPMSR

Item #	Description	Qty
JL34FS-DR	DUAL RATE COIL, FRONT	2
JK40RS-DR	DUAL RATE COIL, REAR	2
JKFTBA717	ADJUSTABLE TRACK BAR, FRT	1
H-BOX JK40BP	HDWR BOX: JK3540BP KITS	1
M9565 (FRONT)	M95 MONOTUBE SHOCK	2
M9567 (REAR)	M95 MONOTUBE SHOCK	2

Hardware Box Breakdown:**Part # H-BOX JK40BP**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER / 3.5 TALL	2
CAM700	CAM BOLTS, UPPER RR & LOWER FRT	2
JK24RTB-B	TRACK BAR BRACKET, REAR	1
JK40RBS-S	BUMP STOP SPACER, REAR	2
JKBRC15	TRACK BAR BRACE, REAR	1
SBE502	INST SHEET: JK250BP	1
HB-JK4BL	HDWR BAG: BRAKE LINE BRKT	1
HB-JK40BP	HDWR BAG: JK3540BP KITS	1

Part # JKFTBA717

Item #	Description	Qty
JKFTBA10-B	ADJUSTABLE TRACK BAR, FRT	1
RR34X14RB	3/4 RIGHT HAND JAM NUT	1
34RFTJN	HD 3/4 ROD END / TRACK BAR	1

Component Breakdown:

Part # JKBRC15

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

Part # SBE502

Item #	Description	Qty
SBE502-L	SWAY BAR END LINK, REAR	2
HB-SBE502	HDWR BAG: SBE502	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

Part # HB-SBE502

Item #	Description	Qty
403712	ES22 SLEEVE / 1.25 LONG	4
12X212BHCTB	1/2 X 2-1/2 BUTTON HEAD BOLT	4
12SAEW	1/2 SAE WASHER	4
12USSW	1/2 USS WASHER	4
12CTN	1/2 COARSE N/I LOCK NUT	4

Hardware Bag Breakdown:

Part # HB-JK4BL

Item #	Description	Qty
JKBE4D	BRAKE LINE BRACKET, REAR	2
14X1FTB	1/4 X 1 FINE THREAD BOLT	2
14SAEW	1/4 SAE WASHER	4
14FTN	1/4 FINE THREAD N/I LOCK NUT	2

Part # HB-JK40BP

Item #	Description	Qty
38X4BHB	3/8 X 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

Pre-Installation Tips: Install Shock Boots, Bushings & Sleeves.

1. Install supplied Shock Boot over applicable shock. Attach boot to cylinder body with supplied Boot Cable Tie. Remove excess cable tie with diagonal cutting pliers.
2. Coat Hourglass Bushings with a water resistant grease & press into lower shock eye. Coat Sleeve & press into shock eye bushings. **Tech Note:** Skyjacker Rear Shocks include a shock bar pin to be installed into upper shock mount. If you grind square corners of closed end of bar pin, it presses into bushings easier. (See Bar Pin Photo)

Rear Shock Upper Mount Bar Pin

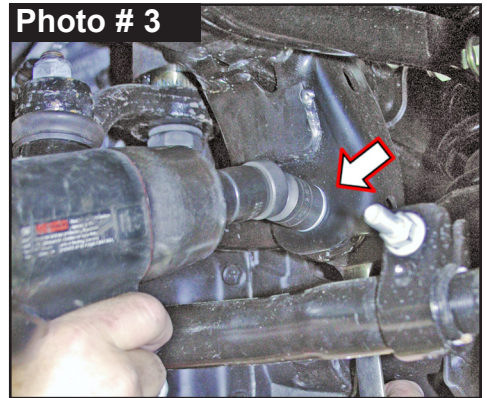
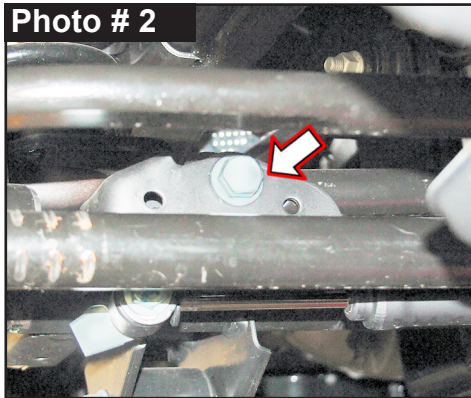
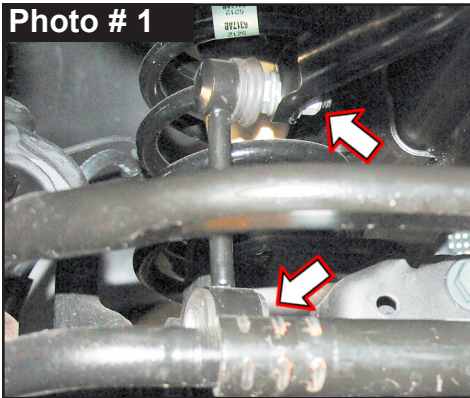


Front Installation: **Note:** Save all factory components & hardware for reuse, unless noted.

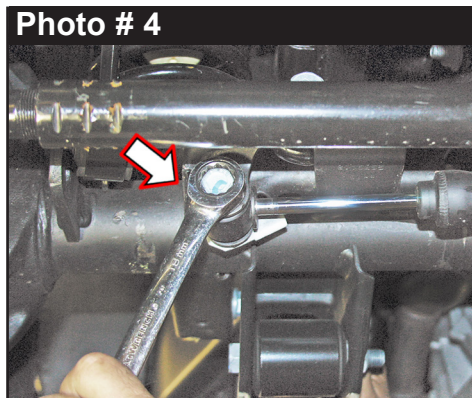
ATTENTION: Parts Shown in Red are for Picture Clarification Only. Skyjacker Coil Springs & Metal Brackets Are Powder Coated Black.

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 front tires \ wheels using a 19mm socket.

4. Remove OEM front sway bar end link at lower axle mount using a 18mm socket \ wrench. Remove upper mount to sway bar using a 19mm socket \ wrench. (Photo # 1)
Note: OEM rear sway bar end link will be re-used on front sway bar. (See Rear Step # 4)
5. Disconnect OEM front track bar from lower passenger side axle mount using a 21mm socket \ wrench. (Photo # 2)
6. Disconnect OEM front track bar from upper driver side frame mount using a 21mm socket \ wrench. (Photo # 3) Remove track bar & retain hardware.



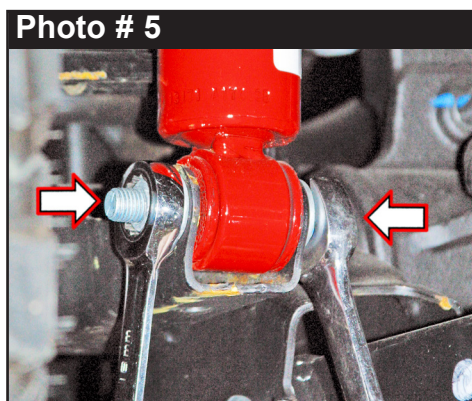
7. **Note:** If installing a Skyjacker OEM Replacement Steering Stabilizer, remove OEM steering stabilizer using a 18mm socket \ wrench. (Photo # 4)



8. Remove OEM front shock. Disconnect at lower axle mount using a 18mm socket \ wrench & at upper frame mount a 14mm socket \ wrench. (Photo # 5)

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

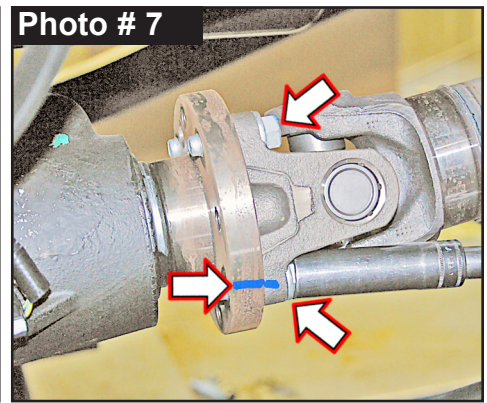
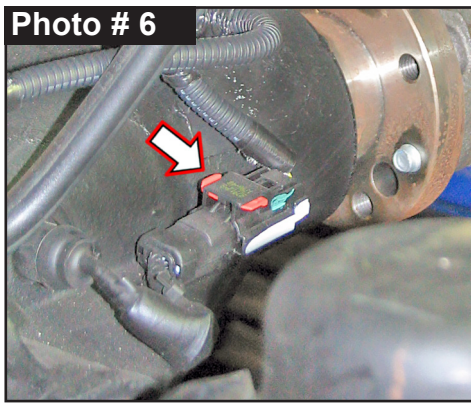
Disconnect OEM front brake line bracket using a 10mm socket \ wrench.



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

10. On **RUBICON** Models: Disconnect OEM front axle locker sensor & some of line clips.

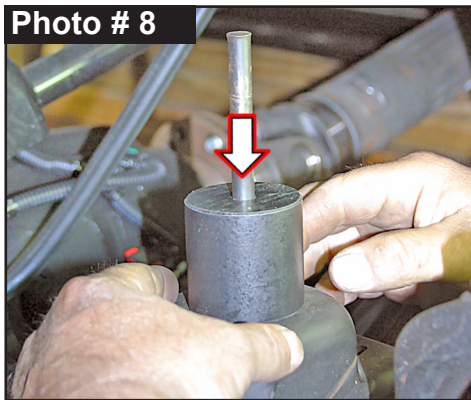
(Photo # 6) **Tech Note:** Red safety lock clip must be slid rearward to unlock. Press & hold rearward tang down, grab connector & pull away while from plug-in.



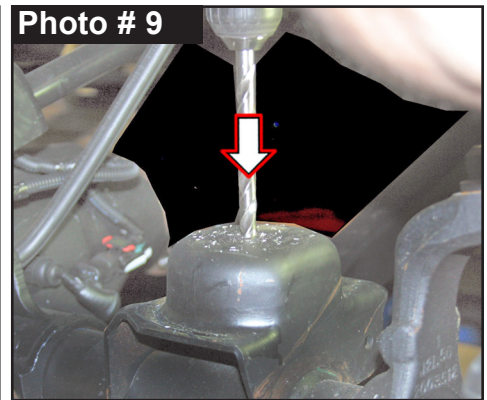
11. **Tech Note:** On some models, it will be necessary to disconnect OEM front driveshaft to ensure driveshaft does not bind when installing taller springs. Mark location of OEM front driveshaft \ flange at axle & disconnect using a 15mm socket \ wrench. (Photo # 7)

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

13. Place Skyjacker # ABSS2535 Front Bump Stop Spacer on top center of OEM lower coil spring mount pad. Measure, mark & center punch OEM lower coil spring mount pad. (Photo # 8)



Drill center mark using a 25/64" drill bit. (Photo # 9)

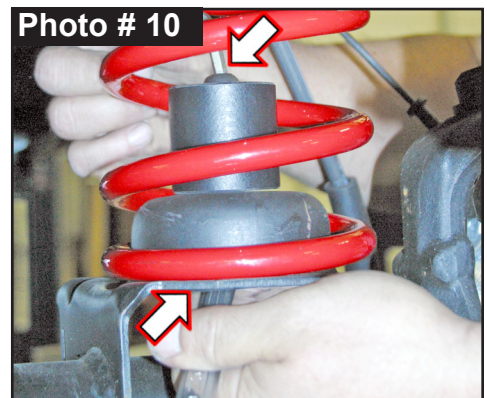


14. Place Skyjacker Front Bump Stop Spacer inside Skyjacker Front Coil Spring. (# JL12FS-DR 2 Door / # JL34FS-DR 4 Door)

Install front coil spring with bump stop inside. Insert coil spring into upper tower first. Be sure that 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 pinion up to provide more clearance.

Insert supplied 3/8" x 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. (Photo # 10)
Torque 25 ft-lbs.



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

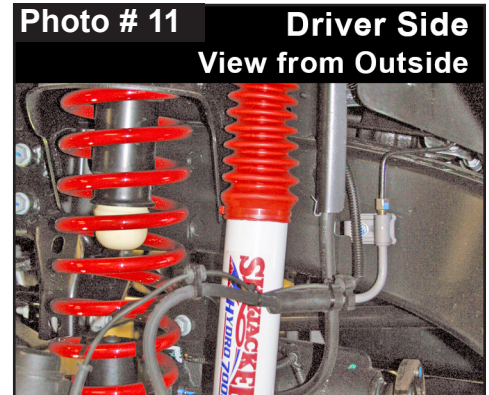
16. Align marks on OEM front driveshaft \ flange & connect driveshaft with OEM hardware using a 15mm socket \ wrench. (Photo # 7) Torque 81 ft-lbs.

NOTE: If Skyjacker Steering Stabilizer Kit Was Purchased, Refer to Separate Instructions at this Time.

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.

Connect Skyjacker shock at lower axle mount with OEM hardware using a 18mm socket \ wrench. Secure, but **Do Not Completely Tighten**. To set bushings properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels. (Photo # 11)



18. Install Skyjacker ADX front shock. **Tech Note:** ADX Remote Reservoir are to be mounted with remote reservoir toward rear for proper clearance (opposite side of coil spring mount). (Photo # 12 & # 13)

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**.

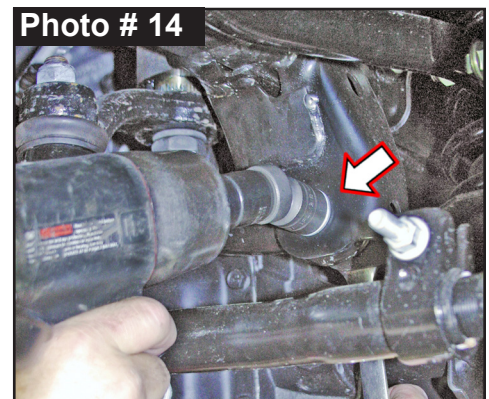


Install Skyjacker ADX front shock at upper shock tower mount with supplied stud bushings, cup washers & nut using a 14mm socket \ wrench.

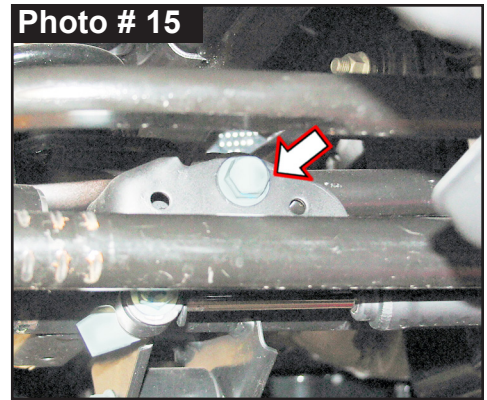
Connect Skyjacker shock at lower axle mount with OEM hardware using a 18mm socket \ wrench. Secure, but **Do Not Completely Tighten** at this time. These will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels.

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. (Photo # 6)
21. Install front tires \ wheels using a 19mm socket & lower vehicle to ground.

22. Make sure that tires \ wheels are pointed straight ahead. Install fixed end of Skyjacker # JKFTBA717 Front Adjustable Track Bar to frame with OEM hardware using a 21mm socket \ wrench. (Photo # 14) Secure, but **Do Not Completely Tighten**.



23. Install rod end assembly into front axle mount with OEM hardware using a 21mm socket \ wrench.
(Photo # 15) Secure, but **Do Not Completely Tighten**.
Tech Note: It may be necessary to turn steering wheel to align track rod end with mount.



24. Check front of vehicle to make sure body is centered over front tires \ wheels. Using a measuring tape, measure from inside of tire to frame on driver side, then measure passenger side.

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

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

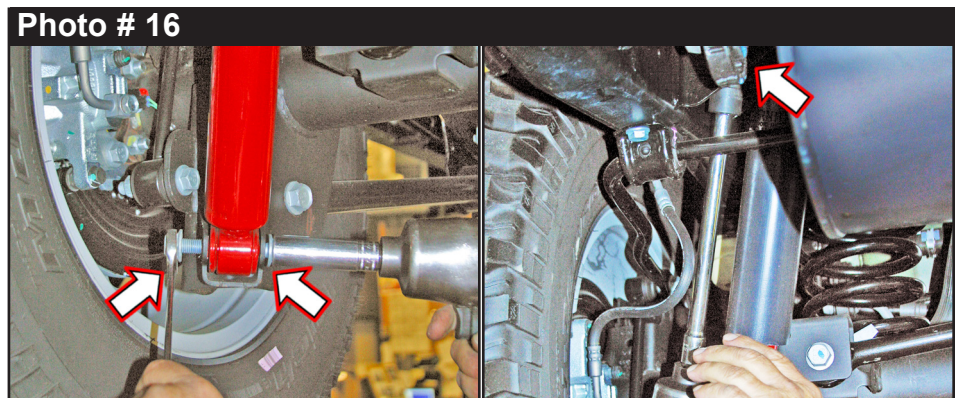
Fully tighten all OEM hardware at upper frame mount & axle mount. Fully tighten jam nut of Skyjacker adjustable front track bar using a 1-1/8" wrench.

Tighten supplied jam nut of Skyjacker Adjustable Front Track Bar using a 1-1/8" wrench.

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

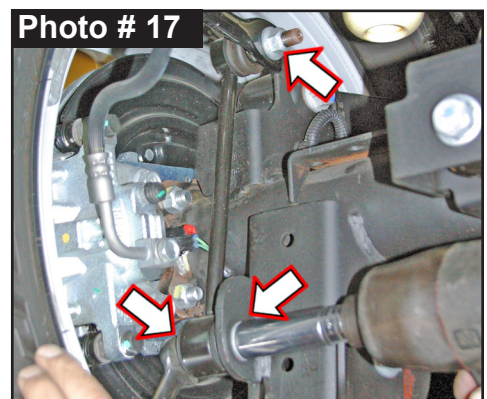
1. Chock front tires \ wheels. Raise rear of vehicle & support frame rails using jack stands at indicated lift points in OEM service manual.
2. Remove rear tires \ wheels using a 19mm socket.

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



4. Disconnect OEM rear sway bar end link at axle mount using a 18mm socket \ wrench. (Photo # 17)

Remove upper mount to sway bar using a 19mm socket \ wrench. (Photo # 17)



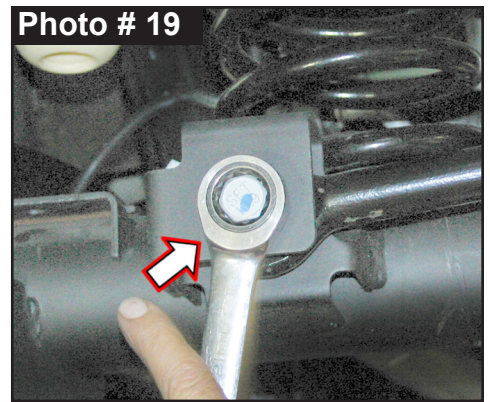
NOTE: Relocate OEM rear sway bar end links to front sway bar with front OEM hardware saved from Front Step # 4.

Tech Note: Skyjacker Offers Replacement Front Double Disconnect Sway Bar End Links Available Separately (Part # SBE126).

5. Disconnect OEM brake line bracket from frame mount using a 10mm socket \ wrench. (Photo # 18)



6. Disconnect OEM rear track bar at axle mount using a 21mm socket \ wrench. (Photo # 19)

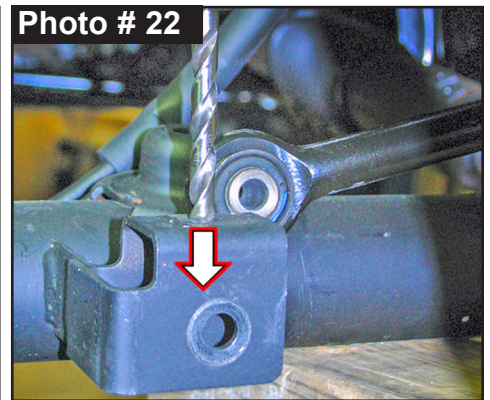
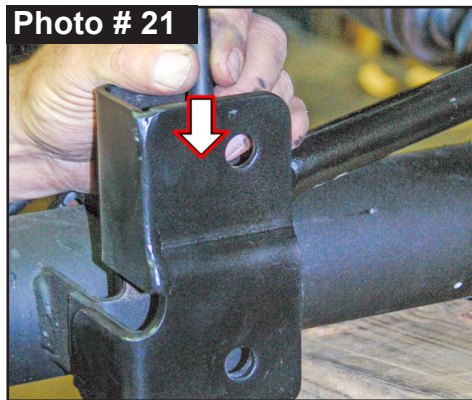
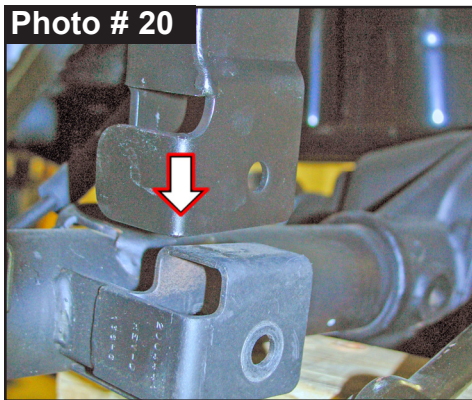


7. Lower rear differential. Remove OEM rear coil spring & upper coil spring isolator.

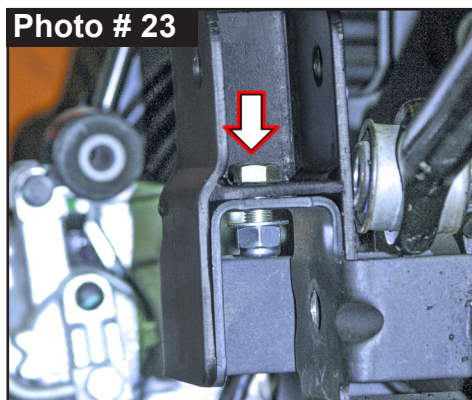
8. Install Skyjacker # JK24RTB-B Rear Lower Track Bar Bracket over OEM rear lower track bar bracket at axle. (Photo # 20)

With Skyjacker bracket seated flush, clamp Skyjacker bracket & OEM bracket together in using locking C-clamp pliers. From top side, use Skyjacker bracket hole as a guide & mark / center punch OEM bracket. (Photo # 21)

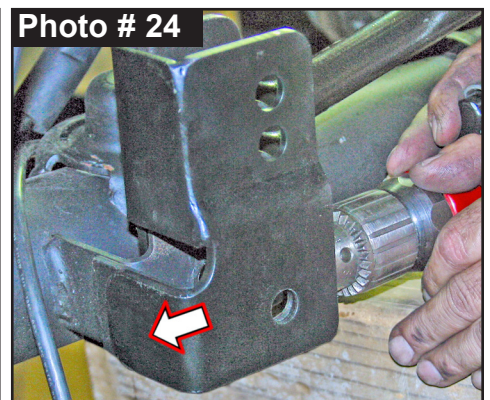
Remove Skyjacker bracket & drill axle mount using a 15/32" drill bit. (Photo # 22)



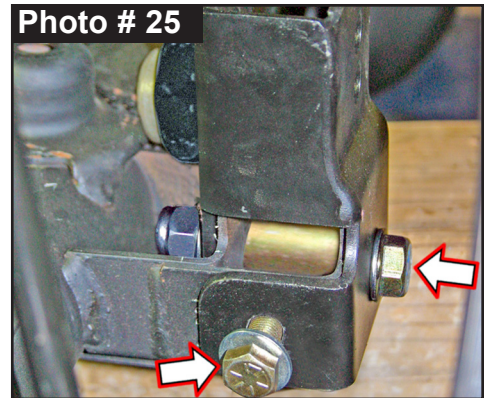
9. Insert supplied 7/16" x 1" Fine Thread Bolt down through bracket \ axle mount. Attach with 7/16" SAE Washer & 7/16" Nylon Insert Lock Nut using a 5/8" socket \ wrench. (Photo # 23) Torque 60 ft-lbs.



10. With bracket \ axle mount tightly in place, use OEM bracket hole as a guide & mark / center punch Skyjacker bracket. Drill mount hole using a 17/32" drill bit. (Photo # 24)



11. 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. (Photo # 25) 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. (Photo # 25)

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. (Photo # 25) Tighten All Mounting Hardware.

11. Install Skyjacker # JK40RBS-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. (Photo # 26)

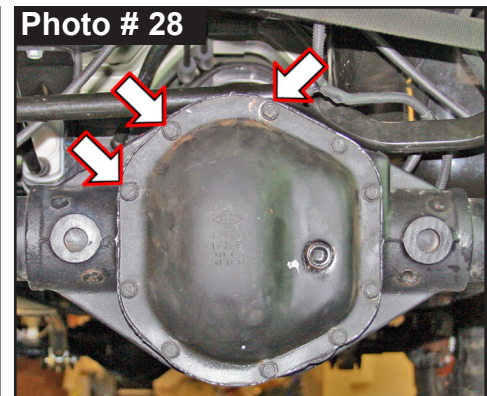
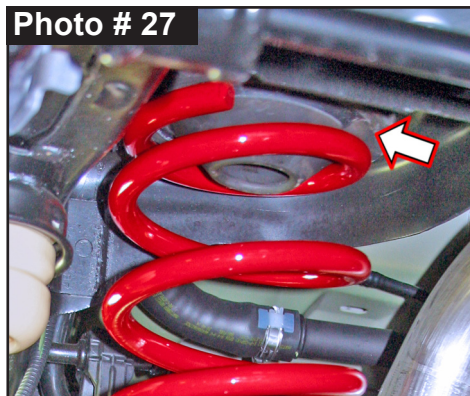
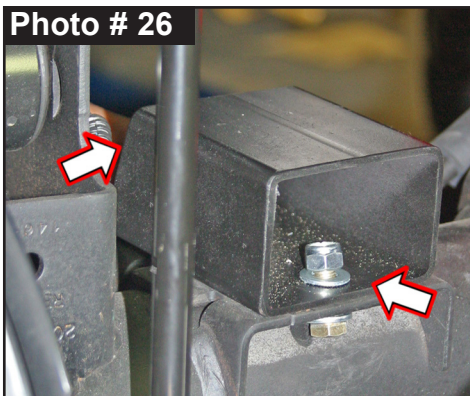
Note: Install Skyjacker bump stop spacer with angle cut forward toward front of vehicle.

12. Install Skyjacker rear coil spring (# JL25RS-DR 2 Door / JL40RS-DR 4 Door).

Be sure coil spring is seated properly at lower axle mount by rotating coil until pigtail hits spring stop. (Photo # 27) **Note:** Be sure OEM upper coil spring isolator is properly aligned with coil & upper coil spring mount.

Raise rear axle to load Skyjacker rear coil springs.

13. Remove three (3) OEM upper left differential cover bolts. (Photo # 28)



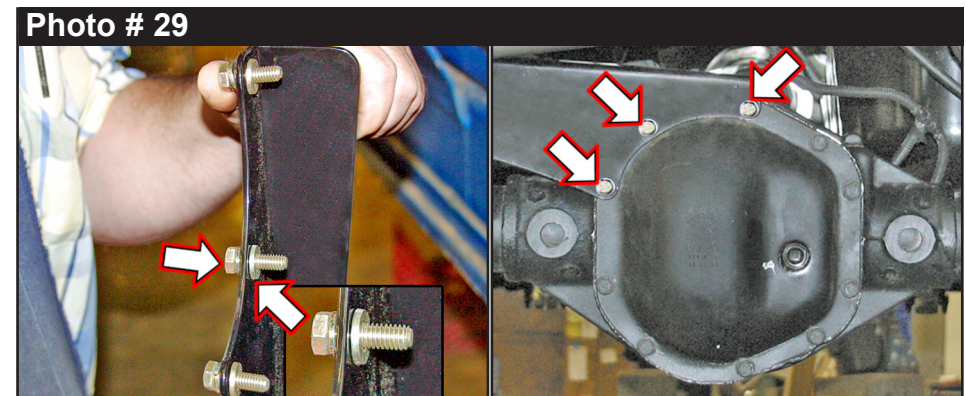
14. Attach Skyjacker # JKBR15-B Track Bar Brace to rear differential. Place tapered end of Skyjacker brace in between coil spring mount & track bar mount bracket.

Insert supplied 5/16" x 1" Coarse Thread Bolt with 5/16" Lock Washer through brace. (Photo # 29)

Place 5/16" Extra Thick Flat Washer between brace & differential cover. (Photo # 29)

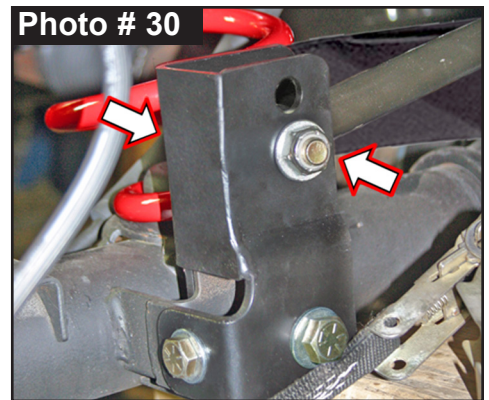
Connect Skyjacker brace to differential cover \ housing.

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. (Photo # 30)

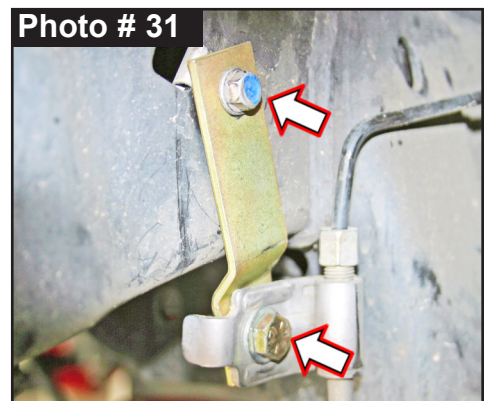
Attach with 9/16" SAE Washer & 9/16" Nylon Insert Lock Nut using a 13/16" & 7/8" socket \ wrench. Secure, but **Do Not Completely Tighten** at this time. **Tech Note:** It may be necessary to raise \ lower axle to align track bar bolt. A ratchet strap can be helpful to align track bar / bracket together.



16. Install Skyjacker # JKBE4D Rear Brake Line Bracket to frame with OEM hardware using a 10mm socket \ wrench. (Photo # 31)

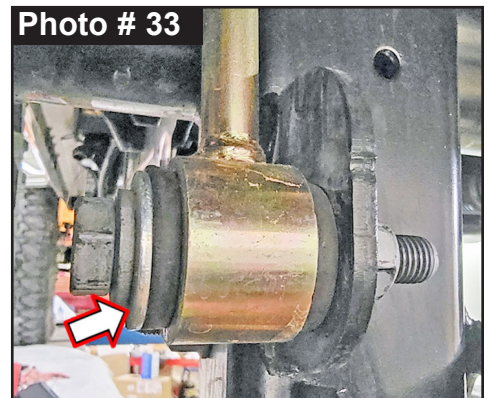
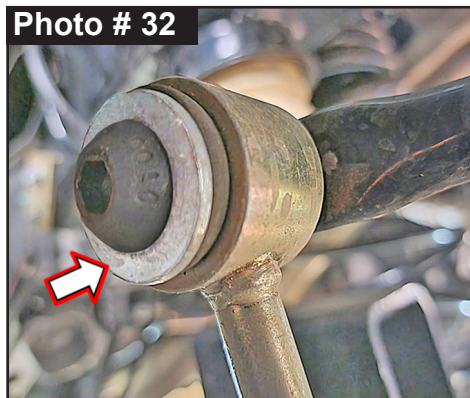
Connect OEM rear brake line bracket to Skyjacker bracket using supplied 1/4" x 1" Fine Thread Bolt with 1/4" SAE Washer outside & 1/4" SAE Washer with 1/4" Nylon Insert Lock Nut on inside with a 7/16" socket \ wrench.

Slightly bend \ straighten OEM rear hard brake line. **Note:** Be very careful not to damage OEM rear hard brake lines.



17. Coat with a water resistant grease & press # ES22 1.25 Long Steel Sleeves into upper & lower mounts of Skyjacker # SBE502-L Rear Sway Bar End Links.

Install upper end link mount with supplied 1/2" x 2-1/2" Button Head Bolt with a 1/2" USS Washer from outside of vehicle inward through sway bar with a 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut on inside using a 5/16" hex key socket & a 18mm socket \ wrench. (Photo # 32)



Attach lower end link with OEM hardware with large washer to bushing side of end link using a 18mm socket \ wrench. (Photo # 33) Secure, but **Do Not Completely Tighten** at this time.

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. (Photo # 34) Secure, but **Do Not Completely Tighten**. **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. (Photo # 35)



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. 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**.

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

Final Clearance Check & Torque Steps:

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

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, 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 hex key socket.
Sway bar end link upper bolt using a 19mm socket \ wrench. Torque 69 ft-lbs.
Sway bar end link lower bolt using a 18mm socket \ wrench. Torque 59 ft-lbs.
4. **Rear Tighten & Torque Sequence.**

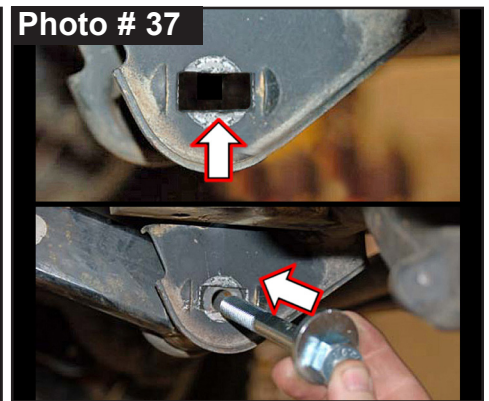
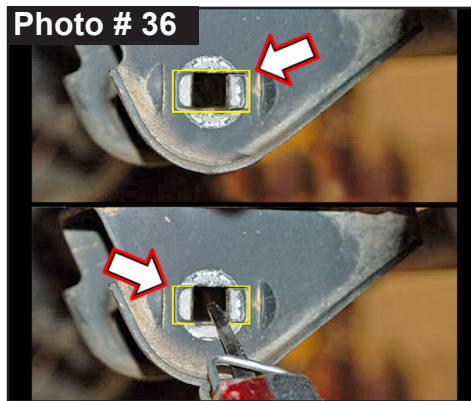
Skyjacker track bar bracket bolts. 1/2" Bolt Torque 90 ft-lbs. 9/16" Bolt Torque 130 ft-lbs.
Track bar at Skyjacker bracket using a 13/16" & 7/8" socket \ wrench. Torque 130 ft-lbs.
Skyjacker track bar brace at differential cover using a 1/2" socket \ wrench. Torque 45 ft-lbs.
Rear shock absorber upper 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 hex key socket.
Sway bar end link upper bolt using a 19mm socket \ wrench. Torque 69 ft-lbs.
Sway bar end link lower bolt using a 18mm socket \ wrench. Torque 59 ft-lbs.

Front Lower & Rear Upper Cam Bolt Installation:

1. Use Skyjacker # CAM700 Eccentric Cam Bolts for Front Lower Control Arms for OEM axle mount brackets. Perform Steps on One Side at a Time.

Disconnect front OEM lower control arm from OEM front axle mount using a 21mm & a 24mm socket \ wrench.

2. OEM control arm axle mount brackets have 'knockout' alignment inserts. Use inserts as a guide & cut a slotted rectangular hole. Using a Sawzall, Dremel or other small cutting device, cut out a notch on each side of OEM control arm bracket mounts. (Photo # 36 & # 37)



3. Connect OEM front lower control arm to modified OEM front axle mount using Skyjacker eccentric cam bolt, eccentric washer, nut, a 21mm & a 24mm socket \ wrench. (Photo # 38)

Note: These new eccentric cam bolts can be rotated forward or backward for proper driveline phasing, caster adjustment & to adjust axle pinion angle to eliminate driveline vibrations.

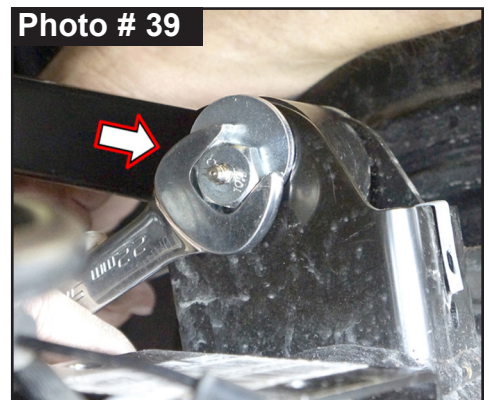
4. Use Skyjacker # CAM700 Eccentric Cam Bolts for Rear Upper Control Arms for OEM axle mount brackets. Perform Steps on One Side at a Time.

Disconnect rear OEM upper control arm from OEM rear axle mount using a 21mm socket \ wrench.

Using same process as front mount brackets, repeat notching of slotted holes in steps on rear upper OEM axle mount brackets.

Connect OEM rear upper control arm to modified OEM rear axle mount using Skyjacker eccentric cam bolt, eccentric washer, nut & a 21mm socket \ wrench. (Photo # 39)

5. With vehicle on ground & weight of vehicle on tires \ wheels, tighten front & rear eccentric cam bolts using a 21mm socket \ wrench & 24mm socket \ wrench.



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	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

**Above Specifications Are Not to Be Used
When Bolt Is Being Installed With a Bushing.**

Seat Belts Save Lives, Please Wear Your Seat Belt.

