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**REQUIRED TOOL LIST:**

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Drill / Assorted Drill Bits & 7/8" Hole Saw
- Floor Jack
- Jack Stands
- Measuring Tape
- Torque Wrench
- Pitman Arm Puller
- Reciprocating Saw / Cut Off Wheel
- Grinder

## 84 - 01 Jeep Cherokee XJ 4.5" - 8" Rock Ready II Suspension Lift Installation Instructions



Before beginning the installation, thoroughly & completely read these instructions & the enclosed driver's WARNING NOTICE. Affix the WARNING decal in the passenger compartment in clear view of all occupants. Please refer to the Parts List to insure that all parts & hardware are received prior to the disassembly of the vehicle. If any parts are found to be missing, contact SKYJACKER® Customer Service at 318-388-0816 to obtain the needed items. If you have any questions or reservations about installing this product, contact SKYJACKER® Technical Assistance at 318-388-0816.

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

Driver Side Front: \_\_\_\_\_ Passenger Side Front: \_\_\_\_\_

Driver Side Rear: \_\_\_\_\_ Passenger Side Rear: \_\_\_\_\_

**IMPORTANT NOTES:**

- This lift is determined from the amount of lift to the front of the vehicle, while only lifting the rear to a position level with the front.
- If larger tires (10% more than the stock diameter) are installed, speedometer recalibration will be necessary. Contact your local Jeep dealer or an authorized dealer for details.
- After installation a qualified alignment facility is required to align the vehicle to the OEM specifications.
- A slip yoke eliminator kit (Part # RR231) & rear CV drive shaft are required for 6" & 8" lifts.

## Component Box Breakdown:

### Part #: JC48RRX

| Item #       | Description                 | Qty |
|--------------|-----------------------------|-----|
| JC46LB-D1    | XJ 4-8" DRV OUTER FRAME BRK | 1   |
| JC46LB-D2    | XJ 4-8" DRV INNER FRAME BRK | 1   |
| JC46LB-P1    | XJ 4-8" PASS OUTER FRAME BK | 1   |
| JC46LB-P2    | XJ 4-8" PASS INNER FRAME BK | 1   |
| JLL46FD-SX-L | XJ 4-8" DRV LWR LK SGL FLEX | 1   |
| JLL46FP-SX-L | XJ 4-8" PAS LWR LK SGL FLEX | 1   |
| RR114X1R     | NG ROD END 1 1/4"RIGHT HAND | 2   |
| 114RFTJN     | 1 1/4" RIGHT HAND JAM NUT   | 2   |
| HB-LL-NGSX   | HDWR BG:LWR LK NG SGL FLX   | 1   |

| Item #     | Description                | Qty |
|------------|----------------------------|-----|
| JULF24-L   | JEEP UPR LINK FRT FLEX SER | 2   |
| RR34X14RB  | 3/4"RH ROD END W/14MM BUSH | 2   |
| 34RFTJN    | 3/4" RIGHT HAND JAM NUT    | 2   |
| ABSS2535   | BUMP STOP SPACER,3.5" TALL | 2   |
| JA500      | PITMAN ARM JEEP XJ/ZJ/MJ   | 1   |
| SH130      | SHACKLE KIT FOR JC55R, XJ  | 1   |
| HB-JC48RRX | HDWR BAG: JC48RRX          | 1   |
| I-JCRRX    | INSTRUCTION SHEET: JC48RRX | 1   |

### Part # HB-LL-NGSX

| Item # | Description              | Qty |
|--------|--------------------------|-----|
| 2617   | BUSHING DGE RAM LWR LNK  | 4   |
| LS2645 | LINK SLEEVE 2.645" LOWER | 2   |

| Item #   | Description                 | Qty |
|----------|-----------------------------|-----|
| ZF316    | ZERK FITTING ALEMITE, 3/16" | 2   |
| RR114-14 | ROD END BUSHING 14MM ID     | 4   |

### Part # SH130

| Item #   | Description     | Qty |
|----------|-----------------|-----|
| XJ55RS-B | XJ REAR SHACKLE | 2   |

| Item #  | Description            | Qty |
|---------|------------------------|-----|
| HB-XJ20 | HDWR BAG: SH130 & XJ20 | 1   |

### Part # HB-XJ20

| Item #   | Description                | Qty |
|----------|----------------------------|-----|
| 10X20MMB | 10 X 20 METRIC BOLT/10.9   | 2   |
| SP2400   | JEEP XJ/YJ SHACKLE BUSHING | 4   |

| Item # | Description                 | Qty |
|--------|-----------------------------|-----|
| SSXJ   | SHACKLE SLEEVE FOR XJ       | 2   |
| ZF316  | ZERK FITTING ALEMITE, 3/16" | 2   |

### Part # HB-JC48RRX

| Item #     | Description                 | Qty |
|------------|-----------------------------|-----|
| 10MMSHN    | 10MM HEX NUT,STANDARD       | 2   |
| 10MMX30MMB | 10 X 30 METRIC BOLT/ 10.9   | 4   |
| 38X1FTB    | 3/8 X 1 FINE THREAD BOLT    | 4   |
| 38X1TCFB   | 3/8 X 1 THRD-CUTTER FLG BLT | 8   |
| 38X412FTB  | 3/8 X 4 1/2 FINE THREAD BOL | 2   |
| 38FTN      | 3/8-24 FINE N/I LOCK NUT    | 6   |
| 38SAEW     | 3/8 SAE WASHER              | 16  |
| 58X612FTB  | 5/8 X 6 1/2 FINE THD/ GR 8  | 2   |

| Item #   | Description                 | Qty |
|----------|-----------------------------|-----|
| 58FTN    | 5/8-18 NYLON INSERT LOCKNUT | 2   |
| 58SAEW   | 5/8 SAE WASHERS             | 4   |
| 916X3FTB | 9/16 X 3 FINE THREAD BOLT   | 2   |
| 916FTN   | 9/16-18 NYLON INSERT LOCKNU | 2   |
| 916SAEW  | 9/16 SAE WASHERS            | 4   |
| CS1000   | JC46 INNER CRUSH SLEEVE     | 2   |
| CS3938   | JC46 OUTER CRUSH SLEEVE     | 2   |

## Component Box Breakdown:

### Part #: JC405XS2 / JC408XS2 / JC605XS2 / JC608XS2 / JC805XS2 / JC808XS2

| Item #      | Description  | Qty | Item #      | Description  | Qty |
|-------------|--|-----|-------------|--|-----|
| BP59XJS     | XJ FRONT POLY BUMP STOP<br>(Included With 8" Lift)         | 2   | SBE638-6XJ  | END LINKS REAR 6-8" CHER XJ<br>(Included With 6" & 8" Lifts) | 1   |
| FBL44-RBL44 | BRAKE LINE SET 84-99 CHER                                  | 1   | TBA10       | FRT ADJ TRACK BAR 4"<br>(Included With 4.5" Lift)            | 1   |
| JC60RBS-B   | RR BUMP STOP SPACERS XJ<br>(Included With 6" & 8" Lifts)   | 2   | TBA60       | FRT ADJ TRACK BAR 6"<br>(Included With 6" Lift)              | 1   |
| HB-JC60RBS  | HDWR BG: JC60RBS BUMP STP<br>(Included With 6" & 8" Lifts) | 1   | TBA80       | FRT ADJ TRACK BAR 8"<br>(Included With 8" Lift)              | 1   |
| SBE320      | SWAY BAR LINKS 84-00 XJ 4"<br>(Included With 4.5" Lift)    | 1   | 12X234X6U   | 1/2 X 2 3/4 X 6 U-BOLT RD<br>(Included With *05XS2 Boxes)    | 4   |
| SBE326      | SWAY BAR LINKS 84-00 XJ 6"<br>(Included With 6" Lift)      | 1   | 12X318X612U | 1/2 X 3 1/8 X 6 1/2 U-BOLT<br>(Included With *08XS2 Boxes)   | 4   |
| SBE328      | SWAY BAR LINKS 84-00 XJ 8"<br>(Included With 8" Lift)      | 1   | HB-12       | HDWR BAR/ 1/2 NUTS/WASHERS                                   | 1   |

### Part # FBL44

| Item # | Description                 | Qty | Item # | Description               | Qty |
|--------|-----------------------------|-----|--------|---------------------------|-----|
| FBL44S | 3/8RD BANJO-F03/38FE,23.375 | 2   | HC1    | HOSE/HORSESHOE CLIP       | 2   |
| 3CCW   | COPPER CRUSH WASHER, 3/8"   | 4   | BTIE   | RED BOOT TIE              | 2   |
| BE15   | BRAKE LINE EXTENSIONS       | 2   | I-BL   | INSTRUCTIONS: BRAKE LINES | 1   |

### Part # RBL44

| Item #   | Description                | Qty | Item # | Description               | Qty |
|----------|----------------------------|-----|--------|---------------------------|-----|
| 110-21-2 | 3/8" TEE/3/8-24 FEM,19.25" | 1   | BTIE   | RED BOOT TIE              | 1   |
| HC1      | HOSE/HORSESHOE CLIP        | 1   | I-BL   | INSTRUCTIONS: BRAKE LINES | 1   |

### Part # HB-JC60RBS

| Item #   | Description                 | Qty | Item #  | Description     | Qty |
|----------|-----------------------------|-----|---------|-----------------|-----|
| 516X1FTB | 5/16 X 1 FINE THRD BOLT     | 4   | 516SAEW | 5/16 SAE WASHER | 4   |
| 516FTN   | 5/16" FINE THRD N/I LOCKNUT | 4   |         |                 |     |

### Part # SBE320 (Included With 4.5" Lift)

| Item #     | Description               | Qty | Item #       | Description                 | Qty |
|------------|---------------------------|-----|--------------|-----------------------------|-----|
| SBE320-L   | SWAY BAR END LK TUBE,BENT | 2   | HB-SBENB02   | HDWR BAG:SBE124,320,326,328 | 1   |
| SBE-E1     | SWAY BAR END LK EYE, WELD | 4   | I-SBE120/124 | INST SHEET - SBE120/124/320 | 1   |
| 14X112SPIN | 1/4 X 1 1/2 SNAPPER PIN   | 4   |              |                             |     |

### Part # SBE326 (Included With 6" Lift)

| Item #     | Description               | Qty | Item #       | Description                 | Qty |
|------------|---------------------------|-----|--------------|-----------------------------|-----|
| SBE326-L   | SWAY BAR END LK TUBE,BENT | 2   | HB-SBENB02   | HDWR BAG:SBE124,320,326,328 | 1   |
| SBE-E1     | SWAY BAR END LK EYE, WELD | 4   | I-SBE120/124 | INST SHEET - SBE120/124/320 | 1   |
| 14X112SPIN | 1/4 X 1 1/2 SNAPPER PIN   | 4   |              |                             |     |

## Part # SBE328 (Included With 8" Lift)

| Item #     | Description               | Qty |
|------------|---------------------------|-----|
| SBE328-L   | SWAY BAR END LK TUBE,BENT | 2   |
| SBE-E1     | SWAY BAR END LK EYE, WELD | 4   |
| 14X112SPIN | 1/4 X 1 1/2 SNAPPER PIN   | 4   |

| Item #       | Description                 | Qty |
|--------------|-----------------------------|-----|
| HB-SBENB02   | HDWR BAG:SBE124,320,326,328 | 1   |
| I-SBE120/124 | INST SHEET - SBE120/124/320 | 1   |

## Part # HB-SBENB02

| Item #       | Description                 | Qty |
|--------------|-----------------------------|-----|
| SBB2         | SWAY BAR U-BRKT FOR SBE     | 2   |
| 141509       | ES25 SLEEVE, 1.50" LONG     | 4   |
| 716X112CTBG5 | 7/16 X 1 1/2 CRS BOLT/GRD 5 | 2   |
| 12X212CTBG5  | 1/2 X 2 1/2 CRS THD BLT,GR5 | 2   |

| Item #  | Description               | Qty |
|---------|---------------------------|-----|
| 12CTCLN | 1/2"COARSE-CENTER LOCK NT | 2   |
| 716CTN  | 7/16 COARSE THREAD L/N    | 2   |
| 716SAEW | 7/16 SAE WASHER           | 2   |
| 12SAEW  | 1/2 SAE WASHER            | 2   |

## Part # SBE638-6XJ (Included With 6" & 8" Lifts)

| Item #   | Description               | Qty |
|----------|---------------------------|-----|
| SBE638-L | SWAY BAR END LINK, 6 3/8" | 2   |
| HG58125  | HOURGLASS 5/8" X 1.25"    | 4   |
| 12X2CP   | 1/2 X 2 CLEVIS PIN        | 2   |
| 12SAEW   | 1/2 SAE WASHER            | 2   |

| Item #  | Description                 | Qty |
|---------|-----------------------------|-----|
| 58SAEW  | 5/8 SAE WASHERS             | 2   |
| 142121  | ES24 SLEEVE, 1.38" LONG     | 2   |
| HP10393 | HAIR PIN FOR 1/2"CLEVIS PIN | 4   |

## Part # TBA10 (Included With 4.5" Lift)

| Item #   | Description                 | Qty |
|----------|-----------------------------|-----|
| TBA10-B  | TRACK BAR FOR 4" TJ/XJ      | 1   |
| RE34X34R | ROD END 3/4" RIGHT HAND THR | 1   |
| 34RFTJN  | 3/4" RIGHT HAND JAM NUT     | 1   |
| 7400WS   | WHITE STEERING DAMPER       | 1   |
| BTIE     | RED BOOT TIE                | 1   |

| Item #   | Description              | Qty |
|----------|--------------------------|-----|
| B10RS    | RED BOOT                 | 1   |
| NSS      | NITRO SHOCK DECAL        | 1   |
| I-TBA10  | INSTRUCTIONS FOR TBA10   | 1   |
| HB-TBA60 | HDWR BAG FOR TBA10/60/80 | 1   |

## Part # TBA60 (Included With 6" Lift)

| Item #   | Description                 | Qty |
|----------|-----------------------------|-----|
| TBA60-B  | TRACK BAR FOR 6" TJ/XJ      | 1   |
| RE34X34R | ROD END 3/4" RIGHT HAND THR | 1   |
| 34RFTJN  | 3/4" RIGHT HAND JAM NUT     | 1   |
| 7400WS   | WHITE STEERING DAMPER       | 1   |
| BTIE     | RED BOOT TIE                | 1   |

| Item #   | Description              | Qty |
|----------|--------------------------|-----|
| B10RS    | RED BOOT                 | 1   |
| NSS      | NITRO SHOCK DECAL        | 1   |
| I-TBA10  | INSTRUCTIONS FOR TBA10   | 1   |
| HB-TBA60 | HDWR BAG FOR TBA10/60/80 | 1   |

## Part # TBA80 (Included With 8" Lift)

| Item #   | Description                 | Qty |
|----------|-----------------------------|-----|
| TBA80-B  | TRACK BAR FOR 8" TJ/XJ      | 1   |
| RE34X34R | ROD END 3/4" RIGHT HAND THR | 1   |
| 34RFTJN  | 3/4" RIGHT HAND JAM NUT     | 1   |
| 7400WS   | WHITE STEERING DAMPER       | 1   |
| BTIE     | RED BOOT TIE                | 1   |

| Item #   | Description              | Qty |
|----------|--------------------------|-----|
| B10RS    | RED BOOT                 | 1   |
| NSS      | NITRO SHOCK DECAL        | 1   |
| I-TBA10  | INSTRUCTIONS FOR TBA10   | 1   |
| HB-TBA60 | HDWR BAG FOR TBA10/60/80 | 1   |

## Part # HB-TBA60

| Item #    | Description                 | Qty | Item #        | Description                | Qty |
|-----------|-----------------------------|-----|---------------|----------------------------|-----|
| TJDLB     | TJ DRAG LINK BUSHING,1.125" | 2   | 142121        | ES24 SLEEVE, 1.38" LONG    | 1   |
| 12X212FSB | 1/2 X 2 1/2 FLAT SOCKET BLT | 1   | 81004         | TAPERED SLEEVE, 1/2" I.D.  | 1   |
| 12X312FTB | 1/2 X 3 1/2 FINE THREAD BLT | 1   | LT100         | NUTS N' BLTS 427 1 ML TUBE | 1   |
| 12USSW    | 1/2 USS WASHER              | 1   | HOURGLASS 5/8 | HOURGLASS 5/8 SHK BUSH     | 2   |
| 12SAEW    | 1/2 SAE WASHER              | 1   | P837          | STAB TAPERED STUD/141264   | 1   |
| 12STVCTN  | 1/2"STOVER COARSE, LCK NUT  | 1   | 140629        | EB6 STUD BAG - P932/140629 | 1   |
| 12STVFTN  | 1/2" STOVER LKNUT, FINE THD | 1   | 7146-B        | TJ TRACK BAR/STAB BRKT     | 1   |
| 2888      | BUSHING JEEP TRACK BAR      | 2   |               |                            |     |

## Part # HB-12

| Item # | Description              | Qty | Item # | Description              | Qty |
|--------|--------------------------|-----|--------|--------------------------|-----|
| 12FTN  | 1/2-20 FINE N/I LOCK NUT | 8   | 12UBW  | 1/2" U-BOLT WASHER, A325 | 8   |

### Pre-Installation Tips:

Now you are ready to "set" the length of the new Skyjacker upper & lower link assemblies. It is very important to position the swivel ball socket so the bushings are exactly centered. Measure the length of the link assembly center to center & rotate the rod end as needed, being sure to keep the rod end square with the eyelet end until the link assembly measures:

### Measurements:

Front upper link should be set @ 15 3/8"

Front lower link should be set @ 29 11/16"

These are pre-alignment measurements only. Final Measurements are to be set by a qualified alignment facility.

On the rod end, rotate the jam nut against the steel tubing. Hold the rod end in place with a pipe wrench & use another pipe wrench on the jam nut to completely tighten.

**Note:** The jam nut must be tightened against the steel tubing before installation.



I-JCRRX



## Front Installation:

1. With the vehicle on flat level ground, set the emergency brake & block the rear tires.
2. Raise the front of the vehicle & support the vehicle with jack stands.
3. Remove the front tires / wheels, front shocks, steering stabilizer, & track bar.
4. Remove the drag link assembly from the OEM pitman arm. Remove the OEM pitman arm from the steering box using a pitman arm puller & install the new Skyjacker pitman arm. (See Photo # 1)
5. Remove the sway bar end links & brake calipers. **Note:** Simply wire the brake caliper out of the way. It will not be necessary to disconnect the brake line from the brake caliper at this time.
6. Lower the front differential until the OEM coil springs become loose. Remove the coil spring retaining bolt & clip on the bottom of the left coil spring & remove the front OEM coil springs. (See Photo # 2)
7. Drill a 3/8" hole in each lower coil seat using the OEM indentation as a guide. Install the new Skyjacker poly bump stop spacers using the 3/8" x 4 1/2" bolts, nuts, & washers. (See Photo # 3) **Note:** Tighten the 3/8" bolt until the top of the washer is flush with the top of the new Skyjacker bump stop spacer. **8" Lift:** Remove the OEM upper bump stop by pulling back & forth with pliers & install the new Skyjacker upper poly bump stops.
8. With the front differential supported, remove the OEM lower control arms. It will now be necessary to remove the OEM lower control arm mounting brackets. Locate the OEM lower control arm brackets, draw a line along the outer face of the bracket along the body. (See Photo # 4) Connect the lines drawn on all sides of the bracket in order to have a single cutting reference line. Cut along the drawn line using a reciprocating saw or similar tool. (See Photo # 5) **Note:** Be careful not to cut into the body of the vehicle. If necessary, grind off any excess material in order to smooth any rough edges & paint the exposed surface. (See Photo # 6)



9. Support the transmission cross member, remove the mounting hardware & lower the cross member 1 1/2". If equipped, jam the supplied 10mm x 1.5 standard nuts together on the OEM cross member stud to remove the OEM studs from the body. (See Photo #7)
10. Align the two rearward slotted mounting holes of the new Skyjacker outer lower link bracket with the two mounting holes of the cross member & attach using the supplied 10mm x 30mm bolts & washers. (See Photo # 8)
11. Mark, center punch, & drill the three small mounting holes of the new outer bracket using a 5/16" drill bit. Once drilled, attach using the supplied 3/8" x 1" thread cutting bolts. (See Photo # 9)
12. Using the large mounting hole of the new outer bracket as a template, drill thru the outer portion of the body using a 7/8" hole saw. **Note:** Drill only thru the outer portion of the body, do not drill completely thru to the inside of the body. (See Photo # 10)
13. Using the supplied 5/8" x 6 1/2" bolt, washer, & 3.938" long sleeve (Part # CS3938). Place the 5/8" flat washer & 3.938" long sleeve onto the 5/8" x 6 1/2" bolt & install thru the newly drilled 7/8" mounting hole & inner body mounting hole.
14. Place the supplied 1" long sleeve (Part # CS100) onto the 5/8" x 6 1/2" bolt exposed at the inner body mounting hole. (See Arrow in Photo # 11) **Note:** It may be necessary to slightly bend the brake / fuel hard lines along the body for proper clearance of the new 1" long sleeve (Part # CS100).
15. Install the new Skyjacker inner lower link bracket using the supplied 5/8" washer & nut at the front portion of the new bracket & 3/8" x 1" bolts, washers, & nuts. (See Photo # 12)



Photo # 7



Photo # 8



Photo # 9



Photo # 10

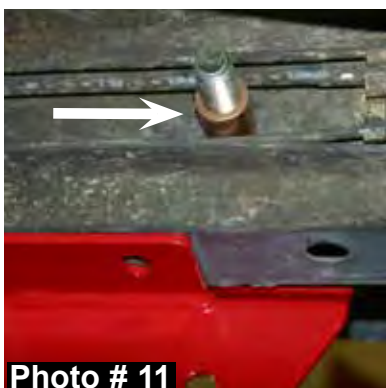


Photo # 11

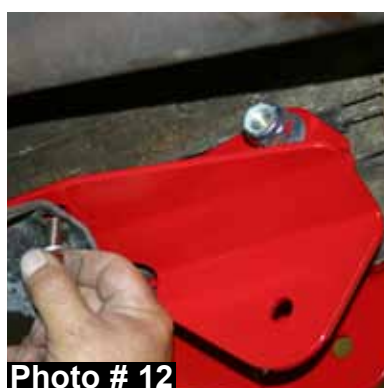


Photo # 12

16. Mark, center punch, & drill the lower rear mounting hole of the new outer bracket using a 5/16" drill bit. Once drilled, attach using the supplied 3/8" x 1" thread cutting bolt. (See Photo # 13) **Note:** If desired, the front slotted mounting hole of the new outer bracket may be utilized by tapping the OEM hole with a 7/16" coarse thread tap & installing a 7/16" x 1" coarse thread bolt & washer. (**Not Included**)



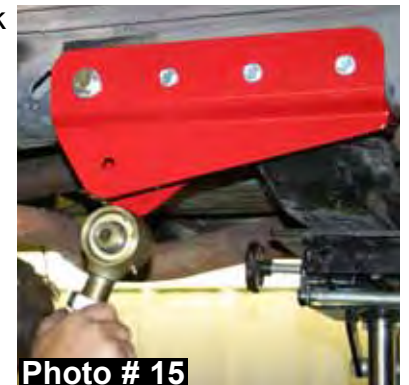
17. Install the new Skyjacker coil springs & reinstall the OEM coil spring retaining bolt & clip on the bottom of the left coil spring. (See Photo # 14)



18. Install the drive-in grease fittings into the eyelet end of the new Skyjacker lower links by using a 1/4" socket over the grease fittings. Tap with a hammer until the grease fitting is completely tapped in.

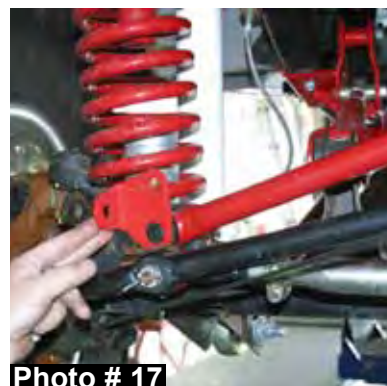
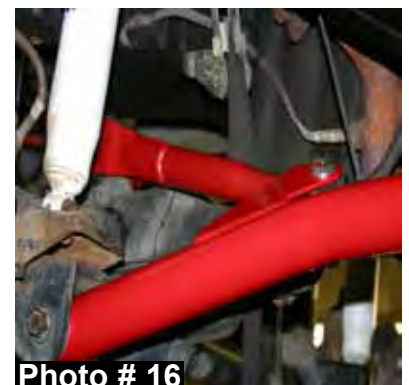
19. Install the polyurethane bushings (Part # 2617) & steel sleeve (2.645" Long) into the eyelet end of the new Skyjacker lower links. **Note:** Be sure to slightly grease them prior to the installation. Insert the two large step spacers into the rod end of the new Skyjacker lower links.

20. Install the new Skyjacker lower links with the rod end to the new body bracket & the bushing end to the OEM axle mount with the upper link tabs leaning inward using the OEM hardware. (See Photo # 15 & # 16)



21. Install the new Skyjacker upper links with the rod end to the upper link tabs of the new lower links using the supplied 9/16" x 3" bolts, washers, & nuts. Install the forked end of the new upper link to the OEM axle mount using the OEM hardware. (See Photo # 16)

22. Install the new Skyjacker adjustable track bar by greasing & installing the two poly bushings & sleeve. Insert the bushing end into the OEM steering stabilizer location on the passenger side of the axle, not the OEM track bar location. Install the new Skyjacker steering stabilizer mounting bracket with the tab over the OEM sway bar end link stud with the OEM nut. Use the 1/2" x 2 1/2" flat socket head bolt & stover nut to bolt the new Skyjacker bracket to the track bar. (See Photo # 17) **Note:** In extreme situations (Depending on pinion angle & caster settings), the drag link may contact this bracket when turning. If needed, this bracket can be slightly ground for additional clearance.





23. Install the frame end of the new Skyjacker track bar by following the hardware pictured. (See Photos # 18 & 19) Be sure to keep the rod end square (parallel) with the frame mount. **Note:** Be sure no more than 1/2" of threads are extended from the bar (including the jam nut). Hold the rod end in place with a crescent wrench & tighten using a pipe wrench or crescent wrench on the jam nut.



Photo # 18

24. Install the steering stabilizer mounting stud in the hole of the drag link & upper mounting hole on the new Skyjacker track bar bracket. Install the provided 5/8 hourglass bushings into the new Skyjacker steering stabilizer & attach to the new Skyjacker studs. (See Photo # 20)

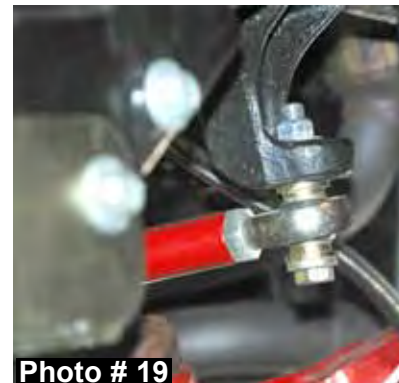


Photo # 19

25. The new Skyjacker end link mounting bracket should be mounted to the bottom of the OEM sway bar with the bolt pointing up through the sway bar & the nut & washer applied on top. (See Photo # 21) **Note:** Apply lithium grease to the metal sleeves & insert the metal sleeves into the end link eyes. The top 1/2" x 2 1/2" bolt connecting the bracket to the end link must be installed with the nut to the outside of the vehicle to provide adequate clearance to the body. Install the new Skyjacker end links on the inboard side of the axle, being sure that the offset is turned correctly. (See Photo # 22)



Photo # 20

26. Remove the front OEM flexible brake lines from the body & brake calipers. Install the new Skyjacker front brake lines using the new Skyjacker mounting brackets & OEM hardware. (Photo # 23)

27. Install the brake calipers & new Skyjacker front shocks.

28. Install the front tires / wheels & lower the front of the vehicle to the ground.

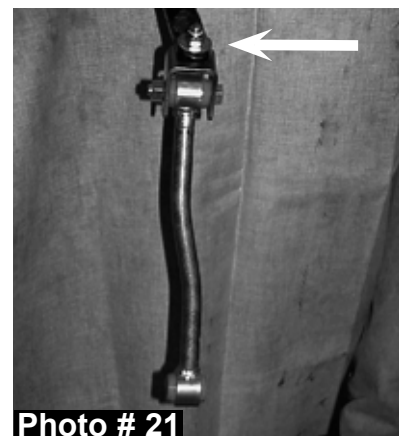


Photo # 21

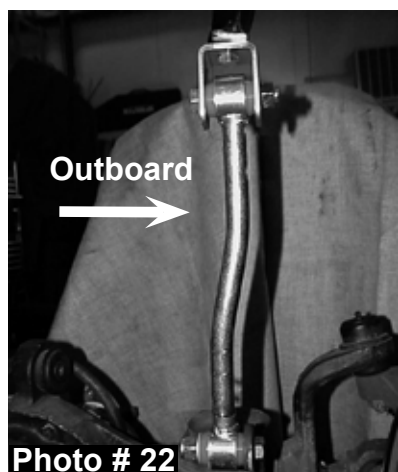


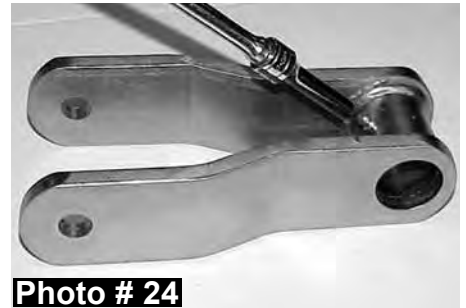
Photo # 22



Photo # 23

## Rear Installation:

1. With the vehicle on flat level ground, set the emergency brake & block the front tires.
2. Raise the rear of the vehicle & support the vehicle with jack stands.
3. Remove the rear tires / wheels & rear shocks.
4. Prepare the new Skyjacker shackles by inserting a poly bushing half into each side & a steel sleeve into each shackle. Install the drive-in grease fitting in each end of the new Skyjacker shackles by using a 1/4" socket over the grease fittings. Tap with a hammer until the grease fitting is completely tapped in. (See Photo # 24)
5. Remove the upper most inner bumper bolt on each side of the body & replace with the supplied 10mm X 20mm bolts.
6. Remove the axle u-bolts & lower the axle to remove the leaf springs.  
**Note:** Care should be taken when the u-bolts are removed, the axle can move freely.
7. **6" & 8" Lifts:** Install the new poly bushings into the eyelets of the new Skyjacker end links & insert one of the new steel sleeves into one end of each of the new sway bar end links.
8. **6" & 8" Lifts:** Remove the sway bar end links & measure a 1/4" from each end of the sway bar. Mark, center punch, & drill thru the sway bar using a 1/8" drill bit.
9. **6" & 8" Lifts:** Install the non-sleeved end of the new end links to the sway bar using the supplied 5/8" flat washers & clevis pin clips. Install the sleeved end of the new end links to the lower sway bar mounts using the supplied 1/2" x 2" clevis pins (**Install from the outside so the clevis pin clips will be towards the inside**), 1/2" washers, & clevis pin clips. (See Photo # 25)
10. Remove the OEM shackles & install the new Skyjacker shackles using the OEM hardware.
11. Install the new Skyjacker leaf spring assemblies with the thick end of the degree shim towards the rear of the vehicle & raise the rear axle, aligning the spring pins with the axle housing. Install the new Skyjacker u-bolts & tighten evenly.
12. **6" & 8" Lifts:** Remove the OEM bump stops & install the new Skyjacker bump stop spacers to the body using the OEM hardware. Reinstall the OEM bump stops to the new bump stop spacers using the supplied 5/16" x 1" bolts, washers, & nuts. (See Arrow in Photo # 26)



13. Remove the rear OEM flexible brake line & install the new Skyjacker rear brake line using the OEM hardware.
14. Install the new Skyjacker rear shocks.
15. Install the rear tires / wheels & lower the rear of the vehicle to the ground.

**FINAL NOTES:**

• **BLEED THE BRAKE SYSTEM:**

- A) Fill master cylinder with D.O.T. approved brake fluid.
- B) Pump the brake pedal & hold down. While the pedal is down, open the bleeder screw to release any air out of the system. Tighten the bleeder screw, let pedal up, & re-pump. Continue the pumping & bleeding process until no air is being expelled.
- C) Bleed each brake line & make sure your master cylinder is full of brake fluid after each bleeding process.
- D) The brake pedal will not "pump up" or have excessive down-travel if all the air is not out of the system.
- F) It is the customer's responsibility to check the brake lines for any leaks, abrasion, proper clearances, & brake line fittings after the first 100 miles & after every off-road activity.

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart below for the proper torque specifications. (Do not retighten the nuts & bolts where thread lock compound was used.)
- With the vehicle placed on the ground, cycle the steering lock to lock & inspect the steering, suspension, brake lines, front & rear drivelines, fuel lines, & wiring harnesses for proper operation, tightness, & adequate clearance.
- Have the headlights readjusted to the proper settings.
- Have a qualified alignment center realign the vehicle to the OEM specifications.
- Retorque all the bolts after the first 100 miles.

**Accessories:**

- |  |               |
|--|---------------|
| • 3/4" Coil Spring Isolators Pads (Pair)   | Part # SIP275 |
| • Heavy Duty Tie Rod Tube ('91-'01 Models) | Part # TR300  |
| • Transfer Case Lowering Kit               | Part # TCL32  |
| • Slip Yoke Eliminator Kit (N/P 231)       | Part # RR231  |

**TORQUE SPECIFICATIONS**

| <b><u>INCH SYSTEM</u></b> |                |                | <b><u>METRIC SYSTEM</u></b> |                  |                   |
|---------------------------|----------------|----------------|-----------------------------|------------------|-------------------|
| <b>Bolt Size</b>          | <b>Grade 5</b> | <b>Grade 8</b> | <b>Bolt Size</b>            | <b>Class 8.8</b> | <b>Class 10.9</b> |
| 5/16                      | 15 FT LB       | 20 FT LB       | 6MM                         | 5 FT LB          | 9 FT LB           |
| 3/8                       | 30 FT LB       | 35 FT LB       | 8MM                         | 18 FT LB         | 23 FT LB          |
| 7/16                      | 45 FT LB       | 60 FT LB       | 10MM                        | 32 FT LB         | 45 FT LB          |
| 1/2                       | 65 FT LB       | 90 FT LB       | 12MM                        | 55 FT LB         | 75 FT LB          |
| 9/16                      | 95 FT LB       | 130 FT LB      | 14MM                        | 85 FT LB         | 120 FT LB         |
| 5/8                       | 135 FT LB      | 175 FT LB      | 16MM                        | 130 FT LB        | 165 FT LB         |
| 3/4                       | 185 FT LB      | 280 FT LB      | 18MM                        | 170 FT LB        | 240 FT LB         |

• The above specifications are not to be used when the bolt is being installed with a bushing.

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