



**Component Box Breakdown:****Part # JC45**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1

**Part # JC45X**

Item #	Description	Qty
A2025 (FRONT)	ADX 2.0 REMOTE RESERVOIR	2
A2028 (REAR)	ADX 2.0 REMOTE RESERVOIR	2

**Component Box Breakdown:****Part # TBA10**

Item #	Description	Qty
TBA10-B	TRACK BAR, FRONT	1
RE34X34R	ROD END, 3/4 R-H THREAD	1
34RFTJN	JAM NUT, 3/4 R-H THREAD	1
7400WS	STEERING DAMPER, WHITE	1
BTIE	BOOT CABLE TIE, RED	1
B10RS	BOOT STABILIZER, RED	1
HSS	DECAL, HYDRO STABILIZER	1
HB-TBA60	HDWR BAG: TBA10	1
I-TBA10	INST SHEET: TBA10	1

**Part # TBA10B**

Item #	Description	Qty
TBA10-B	TRACK BAR, FRONT	1
RE34X34R	ROD END, 3/4 R-H THREAD	1
34RFTJN	JAM NUT, 3/4 R-H THREAD	1
8400BS	STEERING DAMPER, BLACK	1
BTIE-K	BOOT CABLE TIE, BLACK	1
B10KS	STABILIZER BOOT, BLACK	1
MXSD	DECAL, BLACK MAX STABILIZER	1
HB-TBA60	HDWR BAG: TBA10	1
I-TBA10	INST SHEET: TBA10	1

**Part # TBA10M**

Item #	Description	Qty
TBA10-B	TRACK BAR, FRONT	1
RE34X34R	ROD END, 3/4 R-H THREAD	1
34RFTJN	JAM NUT, 3/4 R-H THREAD	1
9400WS	STEERING DAMPER, SILVER	1
BTIE-K	BOOT CABLE TIE, BLACK	1
B10KS	STABILIZER BOOT, BLACK	1
SSD	DECAL, SILVER STABILIZER	1
HB-TBA60	HDWR BAG: TBA10	1
I-TBA10	INST SHEET: TBA10	1

**Component Box Breakdown:****Part # JC4058S**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10B	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
12X234X6U	1/2 X 2-3/4 X 6 U-BOLT ROUND	4
12X318X612U	1/2 X 3-1/8 X 6-1/2 U-BOLT ROUND	4
HB-12	HDWR BAG: 1/2 NUTS \ WASHERS	1
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1

**Part # JC4058SB**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10B	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
12X234X6U	1/2 X 2-3/4 X 6 U-BOLT ROUND	4
12X318X612U	1/2 X 3-1/8 X 6-1/2 U-BOLT ROUND	4
HB-12	HDWR BAG: 1/2 NUTS \ WASHERS	1
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1
B8525 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8528 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

**Part # JC4058SM**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10M	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
12X234X6U	1/2 X 2-3/4 X 6 U-BOLT ROUND	4
12X318X612U	1/2 X 3-1/8 X 6-1/2 U-BOLT ROUND	4
HB-12	HDWR BAG: 1/2 NUTS \ WASHERS	1
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1
M9525 (FRONT)	M95 MONOTUBE SHOCK	2
M9528 (REAR)	M95 MONOTUBE SHOCK	2

**Component Box Breakdown:****Part # JC45B**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10B	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1
B8525 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8528 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

**Part # JC45H**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1
H7025 (FRONT)	HYDRO SHOCK W/RED BOOT	2
H7028 (REAR)	HYDRO SHOCK W/RED BOOT	2

**Part # JC45M**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10M	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1
M9525 (FRONT)	M95 MONOTUBE SHOCK	2
M9528 (REAR)	M95 MONOTUBE SHOCK	2

**Part # JC45N**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1
N8025 (FRONT)	NITRO SHOCK W/RED BOOT	2
N8018 (REAR)	NITRO SHOCK W/RED BOOT	2

**Component Box Breakdown:****Part # JC455B**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10B	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1
B8525 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2
B8558 (REAR)	BLACK MAX SHOCK W/BLK BOOT	2

**Part # JC455H**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1
H7025 (FRONT)	HYDRO SHOCK W/RED BOOT	2
H7058 (REAR)	HYDRO SHOCK W/RED BOOT	2

**Part # JC455M**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10M	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1
M9525 (FRONT)	M95 MONOTUBE SHOCK	2
M9558 (REAR)	M95 MONOTUBE SHOCK	2

**Part # JC455N**

Item #	Description	Qty
ABSS2535	BUMP STOP SPACER, 3.5	2
SBE401-L	SWAY BAR END LINK, SINGLE	2
TBA10	TRACK BAR ASSY. W/STABILIZER	1
TJLL24-L	LOWER LINK ARM, FRONT	2
XJ55RS-B	SHACKLE, XJ REAR, 1.5 LIFT	2
HB-JC45	HDWR BAG: JC45 COMP BOX	1
HB-SBENB01	HDWR BAG: SBE401	1
HB-XJ20	HDWR BAG: SHACKLE, XJ REAR	1
N8025 (FRONT)	NITRO SHOCK W/RED BOOT	2
N8058 (REAR)	NITRO SHOCK W/RED BOOT	2

**Hardware Bag Breakdown:****Part # HB-JC45**

Item #	Description	Qty
516X34TCFB	5/16X3/4 THRD CUTTER FLG BOLT	2
38X412FTB	3/8 X 4-1/2 FINE THREAD BOLT	2
38FTN	3/8-24 FINE N/I LOCK NUT	2
38SAEW	3/8 SAE WASHER	2

**Part # HB-TBA60**

Item #	Description	Qty
TJDLB	DRAG LINK BUSHING, 1.125	2
12X212FSB	1/2 X 2-1/2 FLAT SOCKET BOLT	1
12X312FTB	1/2 X 3-1/2 FINE THREAD BOLT	1
12USSW	1/2 USS WASHER	1
12SAEW	1/2 SAE WASHER	1
12STVFTN	1/2 STOVER LOCK NUT, FINE	1
2888	TRACK BAR BUSHING, JEEP	2
142121	ES24 SLEEVE, 1.38 LONG	1
81004	TAPERED SLEEVE, 1/2 I.D.	1
LT100	NUTS N' BOLTS 427 1 ML TUBE	1
HOURLASS 5/8	BUSHING, HOURLASS 5/8	2
P837	STABILIZER TAPERED STUD	1
140629	EB6 STUD, BAG# 141397	1
7146-B	TRACK BAR \ STABILIZER BRKT	1
12STVCTN	1/2 STOVER LOCK NUT, COARSE	1

**Hardware Bag Breakdown:****Part # HB-SBENB01**

Item #	Description	Qty
SBB2	SWAY BAR U-BRACKET FOR SBE	2
141509	ES25 SLEEVE/403646 1.50	4
12X212CTBG5	1/2X2-1/2 COARSE THREAD BOLT	2
10X35MMB	10MMX35MM METRIC BOLT / 10.9	2
12CTCLN	1/2 COARSE CENTER LOCK NUT	2
10MMN	10MM METRIC N/I LOCK NUT	2
38SAEW	3/8 SAE WASHER	2
12SAEW	1/2 SAE WASHER	2

**Part # HB-XJ20**

Item #	Description	Qty
10X20MMB	10 X 20 METRIC BOLT / 10.9	2
SP2400	SHACKLE BUSHING, JEEP XJ	4
SSXJ	SHACKLE SLEEVE FOR XJ	2
ZF316	ZERK FITTING ALEMITE, 3/16	2

**Part # HB-12**

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

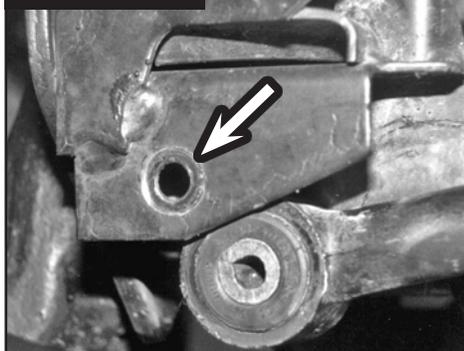
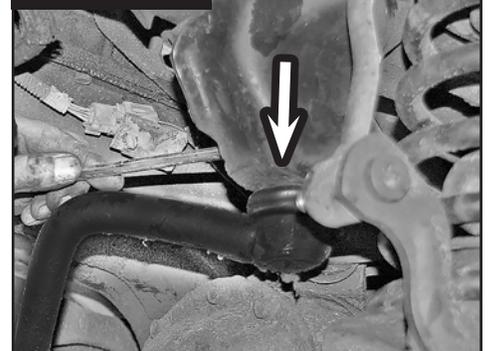
**Front Installation: Note: Save all factory components & hardware for reuse, unless noted.**

1. With vehicle on flat level ground, set emergency brake & chock rear tires \ wheels.
2. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual.
3. Remove front tires \ wheels.
4. Place a floor jack underneath front axle for support. Put a slight load on axle \ jack to prevent axle from moving. Remove OEM front shocks.

**Tech Note:** Access upper shock retaining nut through engine compartment using a 15mm socket \ wrench. It also may be necessary to temporarily remove OEM washer fluid reservoir to access driver side.

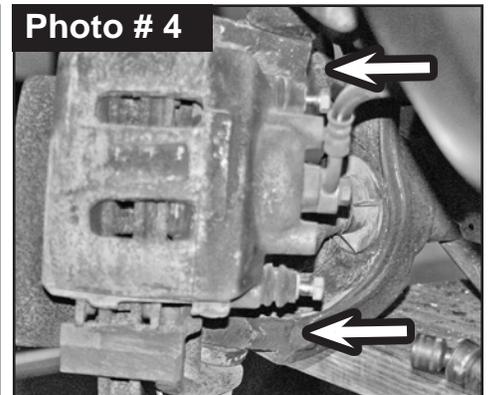
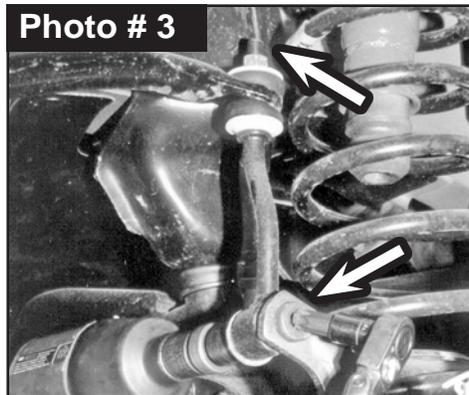
Disconnect OEM front shock lower mount using a 15mm socket \ wrench. Retain factory lower mounting hardware for re-use.

5. Remove OEM track bar. Disconnect track bar from passenger side lower axle mount. (See Photo # 1)  
**Note:** It may be necessary to pry track bar loose from axle mount.  
Disconnect track bar from driver side upper frame mount. (See Photo # 2)

**Photo # 1****Photo # 2**

6. Remove OEM steering stabilizer. Disconnect stabilizer from OEM drag link at stud mount using a 11/16" using a socket \wrench. Remove stud mount from drag link. Disconnect stabilizer from axle mount using a 18mm socket \wrench.
7. Disconnect OEM drag link assembly from OEM pitman arm. Take caution not to tear drag link grease boot. **Tech Note:** Replace OEM drag link if any excessive wear, defects or if you can twist OEM stud in its socket easily.
8. Disconnect OEM sway bar end links from front axle mounts. **Note:** Some early models use a T55 Torx Bit & 19mm socket \wrench for lower mount. (Later models used a bolt with a serrated neck that is pressed into OEM bracket, so it will not rotate.) Use a 15mm socket \wrench for upper nut. (See Photo # 3)

9. Disconnect electrical \ vacuum four-wheel drive wiring plugs at passenger side of axle.



10. Remove two (2) OEM brake caliper mounting bolts using a 12mm socket \wrench. Remove brake caliper from OEM knuckle. (See Photo # 4)

**Note:** Do not disconnect OEM brake line from caliper. **Tech Note:** Hang brake caliper on frame out of way using a hook or bungee. Do Not hang by rubber brake line.

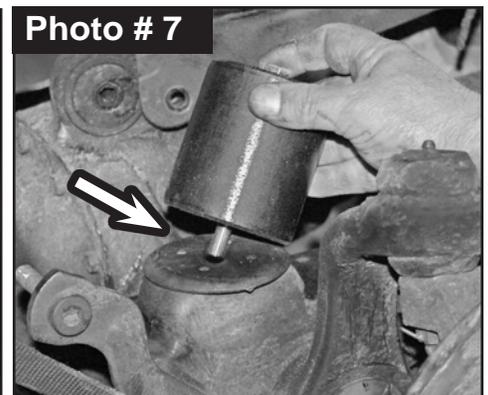
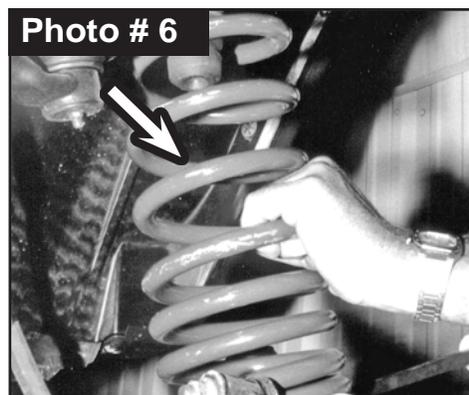
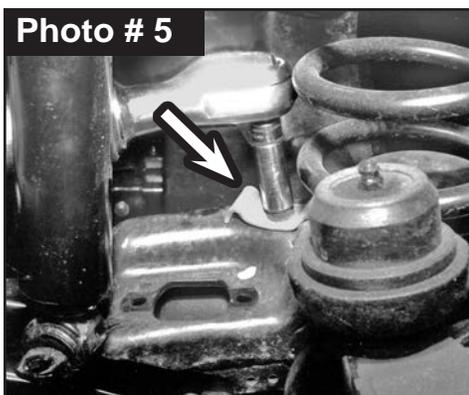
11. Support front axle with a floor jack. While checking for appropriate slack in ABS lines, brake lines, differential vent hose & etc, lower front axle until OEM front coil springs become loose. Remove OEM bottom bolt & clip from driver side OEM coil spring using a 13mm socket \wrench. (See Photo # 5)

Remove OEM coil springs. (See Photo # 6) **Tech Note:** If front axle cannot be lowered enough to allow coil spring to be installed, carefully rotate pinion up to provide more clearance.

12. Drill a 3/8" hole in center indent of OEM lower coil spring mount pads. (See Photo # 7)

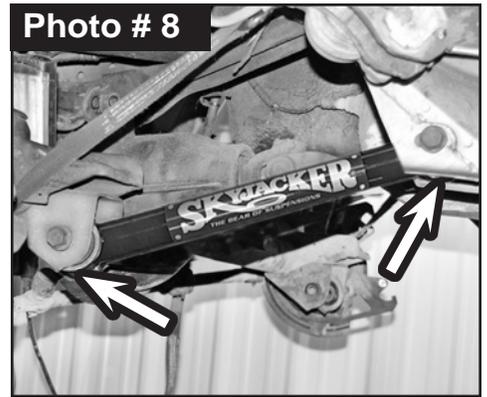
Install Skyjacker # ABSS2535 Bump Stop Spacers.

Insert supplied 3/8" X 4-1/2" Fine Thread Bolt with 3/8" SAE Washer into each bump stop. Align bolt into drilled hole of spring mount pad. Reach under spring mount pad & above axle tube to install supplied 3/8" Nylon Insert Lock Nut onto bolt. Tighten bump stop into place using a 9/16" socket \wrench. Torque 25 ft.-lbs.



13. One at a time, remove OEM lower link arm using a 21mm socket \ wrench.

One at a time, install Skyjacker # TJLL24-L Lower Link Arm with OEM hardware using a 21mm socket \ wrench. (See Photo # 8) 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.



14. Install Skyjacker front coil springs. 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. (See Photo # 6)

Re-install OEM bottom clip & bolt to driver side OEM coil spring using a 13mm socket \ wrench. Torque 20 ft.-lbs. (See Photo # 5)

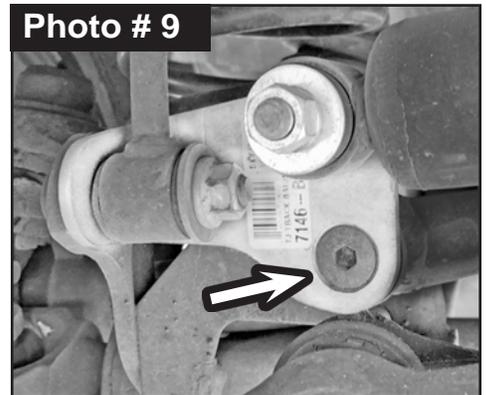
15. Locate Skyjacker # TBA10-B Adjustable Track Bar. Locate # HB-TBA60 Hardware Bag. Coat two (2) # 2888 Poly Bushing halves & one (1) # ES24 1.38 Long Steel Sleeve with a water resistant grease. Press bushings & sleeve into upper track bar mount.

Insert bushing end of Skyjacker track bar into OEM Steering Stabilizer location on passenger side axle (Not OEM track bar location).

Attach Skyjacker # 7146-B Steering Stabilizer Mounting Bracket with tab over OEM sway bar end link stud with OEM nut. (See Photo # 9)

Attach Skyjacker track bar to mounting bracket with supplied 1/2" x 2-1/2" Flat Socket Head Bolt & 1/2" Stover Nut using a 5/32" Hex Key Socket & 3/4" socket \ wrench. (See Photo # 9)

**Note:** In extreme situations (depending on pinion angle & caster settings), OEM drag link may contact Skyjacker Steering Stabilizer Mounting Bracket when turning. This bracket can be ground slightly for clearance if needed.

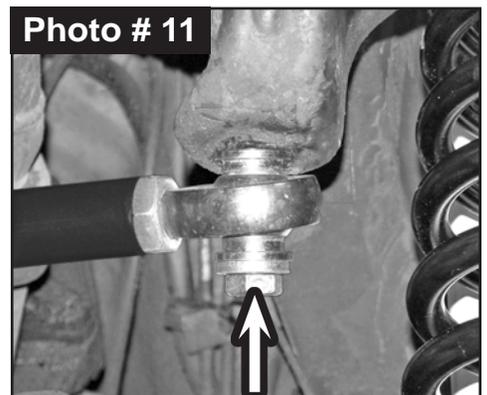


16. From # HB-TBA60 Hardware Bag, install Skyjacker Track Bar rod end by following hardware pictured. (See Photos # 10 & # 11) Keep rod end square (parallel) with frame mount.

**Note:** Be sure No More than 1/2" of threads are extended from track bar including jam nut measurement.

On rod end, rotate jam nut against steel tubing. Hold rod end in place with a pipe wrench & use another pipe wrench or 1-1/8" wrench on jam nut to completely tighten.

**Tech Note:** Jam nut must be tightened against steel tubing before installation.

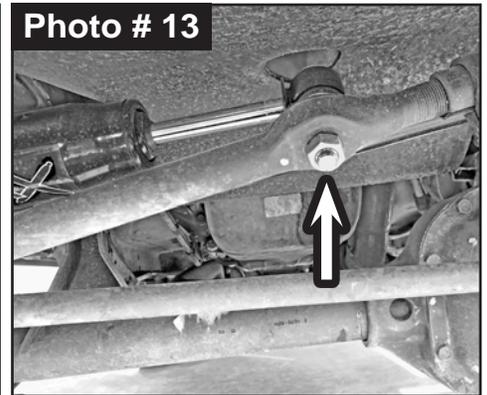
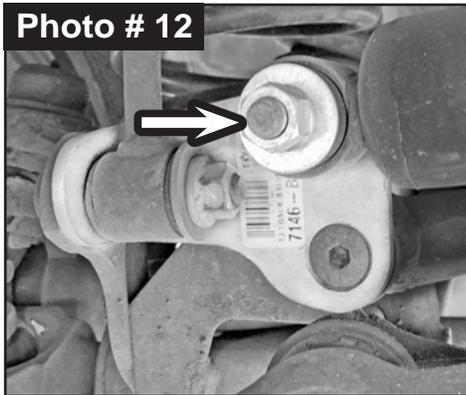


17. Locate Skyjacker # 140629 EB6 Stud & # P837 Tapered Stud Hardware.

Install Skyjacker # 140629 EB6 Stud into upper mounting hole on Skyjacker Track Bar Bracket. Attach with stud hardware. (See Photo # 12)

Install Skyjacker # P837 Tapered Stud into OEM drag link. Attach with stud hardware. (See Photo # 13)

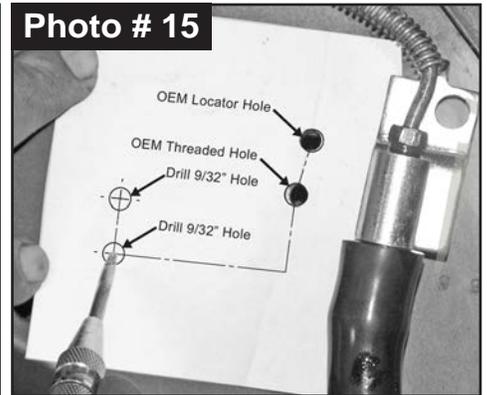
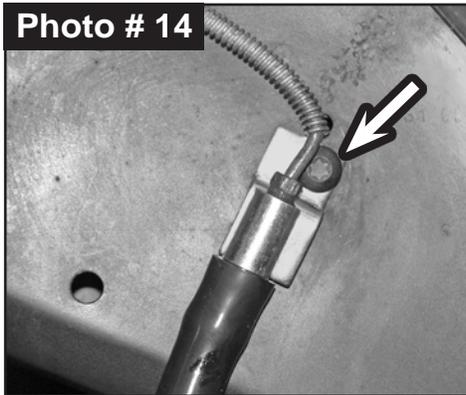
Coat two (2) # Hourglass 5/8 Bushings with a water resistant grease. Press bushings into Skyjacker Steering Stabilizer eyes. Attach to Skyjacker bracket stud mount & OEM drag link stud mount.



18. Locate supplied **Brake Line Relocation Template** on Page 15 of this installation instruction manual. Cut out template using outside edge of square as a guide.

Remove OEM brake line bracket from frame using a T40 Torx bit. (See Photo # 14)

Position template. Align OEM Locator & OEM Thread holes in frame. Mark two (2) holes to be drilled. Mark with a center punch. (See Photo # 15)



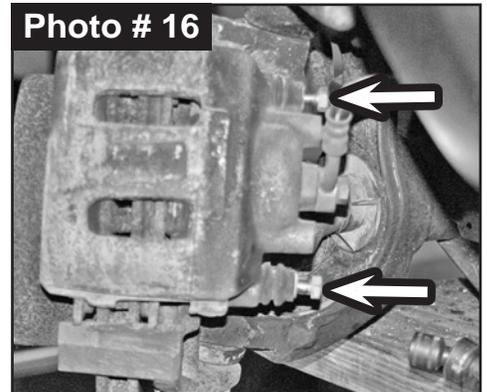
**Note:** Prior to drilling, check behind surface area being worked on for any wires, brake lines, fuel lines, hoses, etc that could be damaged.

Using your punched marks as a guide, drill out marks using a 9/32" drill bit.

**Tech Note:** You may want to first drill out holes with a smaller drill bit to be more precise.

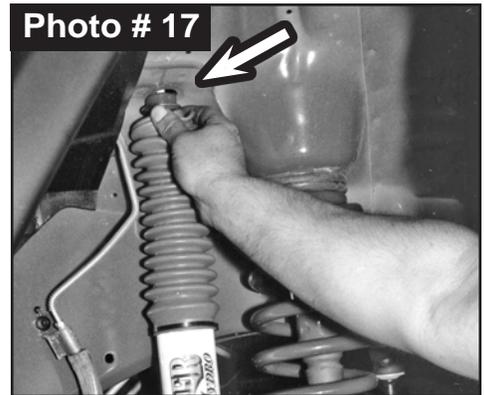
Attach OEM brake line bracket with supplied 5/16" x 3/4" Thread Cutter Flange Bolts using a 1/2" socket \ wrench. Torque 180 in-lbs.

19. Attach brake caliper to OEM knuckle using a 12mm socket \ wrench. (See Photo # 16)



**NOTE:** Kit With HYDRO, NITRO, Black MAX, or M95 Monotube: Proceed to Step 20.  
Kit With ADX 2.0 Remote Reservoir: Proceed to Step 21.

20. Install Skyjacker front shock at upper shock tower mount with supplied stud bushings, cup washers & nut using a 15mm socket \ wrench. (See Photo # 17)



Connect Skyjacker shock at lower axle mount with OEM hardware using a 15mm 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.

21. 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).

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

Install Skyjacker ADX front shock at upper shock tower mount with supplied stud bushings, cup washers & nut using a 15mm socket \ wrench.

Connect Skyjacker shock at lower axle mount with OEM hardware using a 15mm 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.

22. Connect OEM drag link to OEM pitman arm with OEM hardware.

23. Locate Skyjacker # SBE401-L Front Sway Bar End Links. Coat # ES25 1.50 Long Steel Sleeves with a water resistant grease & press into upper & lower end links mounts.

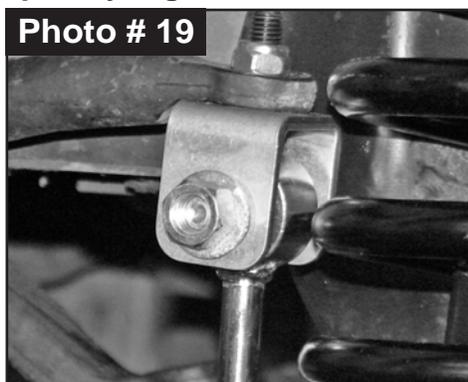
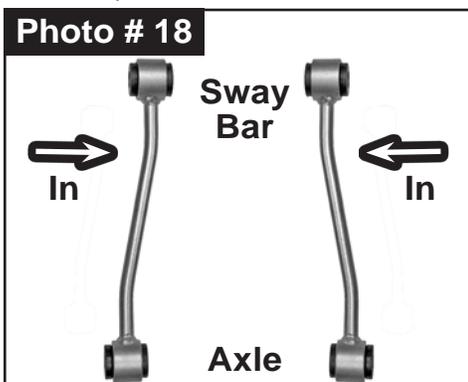
**Note:** Sway Bar End Links are to be installed with offset inward as shown. (See Photo # 18)

Install Skyjacker # SBB2 Sway Bar End Link U-Bracket to bottom of OEM sway bar. Connect with 10mm x 35mm Bolt up through u-bracket & sway bar with 3/8" SAE Washer & 10mm Nut on top. Tighten using a 17mm socket \ wrench.

Install upper end link mount into Skyjacker U-Bracket. Connect with supplied 1/2" x 2-1/2 Bolt from frame side out to provide adequate clearance Attach 1/2" Center Lock Nut toward outside of vehicle using a 3/4" socket \ wrench. (See Photo # 19)

Driver side, attach lower end link to OEM axle mount with OEM hardware using a 18mm socket \ wrench & a T55 Torx head bit. (See Photo # 19) Secure, but **Do Not Completely Tighten** at this time.

Passenger side, attach lower end link with OEM hardware using a 18mm socket \ wrench & a T55 Torx head bit in between OEM mount & Steering Stabilizer Mounting Bracket . (See Photo # 20) Secure, but **Do Not Completely Tighten** at this time.

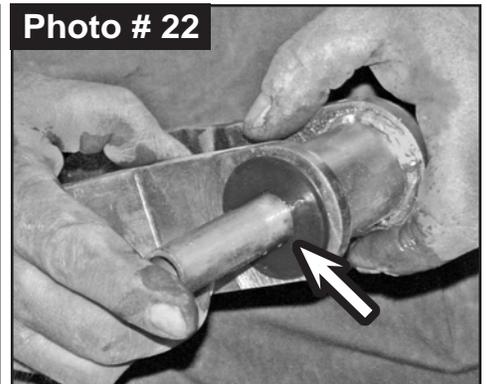
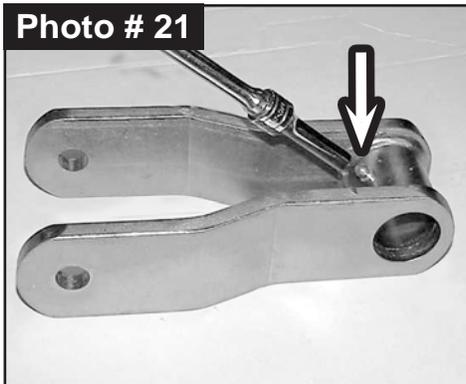


24. Connect electrical \ vacuum four-wheel drive wiring plugs at passenger side of axle.  
Connect all things disconnected to lower front axle (ABS lines, differential vent hose & etc.)
25. Install front tires \ wheels. Lower vehicle to ground. Torque lugs to OEM service manual specifications.

**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.
3. Support rear axle with a hydraulic jack. Allow ample room to lower rear axle.
4. Remove OEM rear shocks. Disconnect shock lower mount using a 3/4" socket \ wrench. Retain factory lower mounting hardware for re-use. Use a 13mm socket \ wrench for upper mount.
5. Prepare Skyjacker # XJ55RS-B Shackles. Install supplied drive-in Zerk Grease Fitting Alemite into each end of Skyjacker Shackle. Use a 1/4" socket over Zerk fittings & tap with a hammer until fitting is completely set into place. (See Photo # 21)

Coat # SP2400 Bushings & # SSXJ Steel Sleeve with a water resistant grease & press into upper shackle mount. (See Photo # 22)



6. Locate OEM rear bumper bolt that is protruding into leaf spring shackle pocket. (OEM bolt will make contact with larger Skyjacker shackle through suspension travel.)

One side at a time, remove each OEM bumper bolt & replace with supplied 10mm x 20mm bolt using a 15mm socket \ wrench. (See Photo # 23)

7. Remove OEM u-bolts. Discard u-bolts & hardware. Retain lower OEM u-bolt plate.
8. While checking for appropriate slack in ABS lines, brake lines, differential vent hose, & etc, lower rear axle to gain access to OEM rear leaf springs.



**NOTE: Kit With Add-A-Leafs: Proceed to Step 9.  
Kit With Replacement Leaf Springs: Proceed to Step 11.**

**Note:** Perform Steps 9-13 on One Side at a Time. Complete Steps on One Side, THEN Go to Opposite Side & Repeat Same Steps.

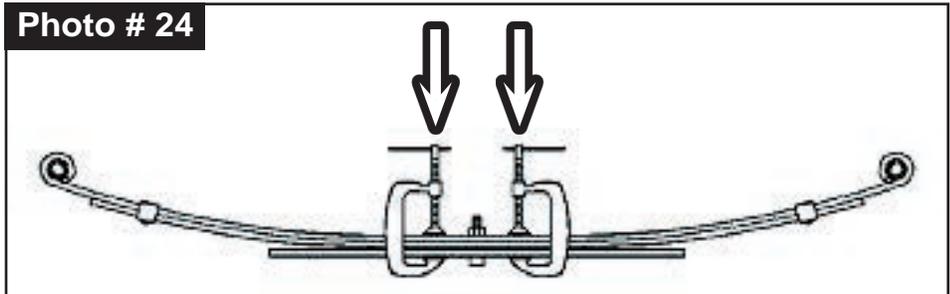
9. **Add-A-Leaf Installation:** Use a 21mm socket \ wrench to loosen OEM leaf spring mounts. Loosen front spring eye bolt. Loosen rear spring eye bolt. Loosen rear shackle eye bolt. (Note direction of OEM hardware.)

**Note:** Installation of Skyjacker Add-A-Leafs properly, you must use two (2) large C-clamps to contain elastic potential energy of OEM rear leaf springs when OEM tie bolts are being removed. **Tech Note:** Spray a good penetrating oil onto center tie bolt to help loosen nut.

Attach C-clamp on each side of OEM leaf spring center tie bolt to hold leaf spring assembly securely together. Tighten C-clamp equally on each side. (See Photo # 24)

Use locking pliers to hold head of OEM tie bolt. Use a wrench to loosen & remove nut. Remove tie bolt.

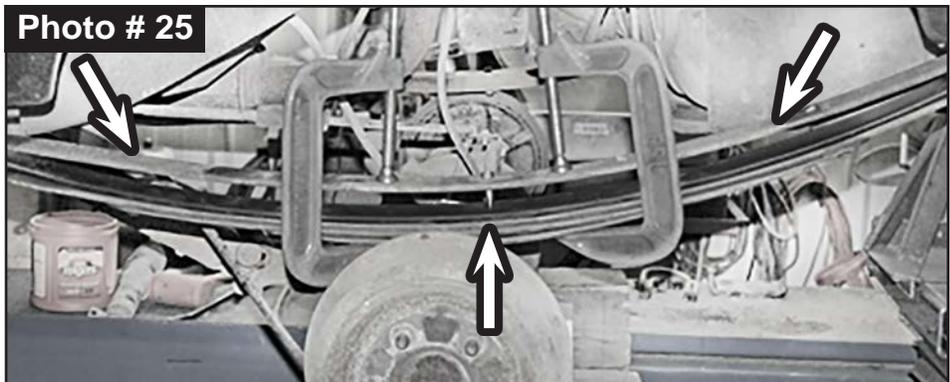
Carefully & slowly loosen C-clamps equally on each side until leaf spring expands completely. Remove C-clamps.



10. Separate leafs & install Skyjacker Add-A-Leaf into spring pack so leaves remain progressive (longest at top & shortest to bottom). (See Photo # 25)

If center pin is offset, match long \ short end of add-a-leaf to OEM leaf spring offset.

**Tech Note:** Lower rear axle as needed to allow add-a-leaf to be installed.



11. Install supplied Skyjacker tie bolt. **Tech Note:** Cherokee tie bolt installs up through bottom of leaf spring. (See Photo # 25) Comanche pickup tie bolt head installs down through top.

**CAUTION: Do Not Use Skyjacker Tie Bolts to Draw OEM Leaf Springs Together. Failure of Any Component Can Cause an Explosive Disassembly & Possible Injury!**

12. Attach C-clamp on each side of Skyjacker tie bolt to hold leaf spring assembly. (See Photo # 25) Tighten C-clamps equally on each side until leaf spring compresses completely.

Once C-clamps have drawn leaves securely together, use locking pliers to hold tie bolt head & tighten tie bolt nut with a wrench. Torque 180 in-lbs. **Caution:** Do not use an air gun to tighten tie bolt. An air gun could strip or over torque \ stretch tie bolt.

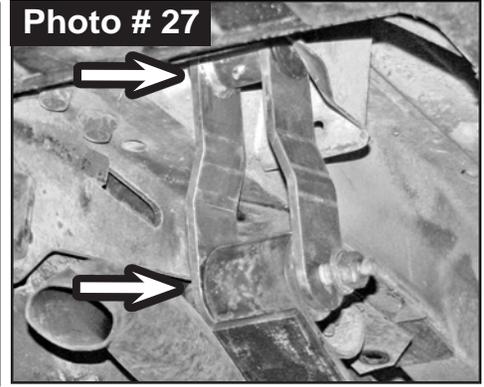
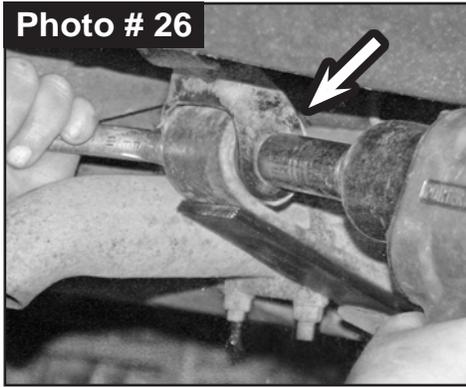
**Note:** Make sure individual leafs are all in-line with each other.

Remove C-clamps. Cut off any excess tie bolt length with cut-off tool or hacksaw.

13. Remove OEM shackle using a 21mm socket \ wrench. (See Photo # 26)

Install Skyjacker Shackle with OEM hardware using a 21mm socket \ wrench.

**Tech Note:** Zerk grease fitting goes toward rear. (See Photo # 27) Secure, but **Do Not Completely Tighten**.



**Note:** Perform Steps 9-13 on Opposite Side at a Time, Then Proceed to Step 15.

**Note:** Perform Step 14 on One Side at a Time.

14. **Leaf Spring Installation:**

Remove OEM rear leaf spring using a 21mm socket \ wrench. (Note direction of OEM hardware.) Loosen front spring eye bolt. Loosen rear spring eye bolt. Loosen rear shackle eye bolt. Disconnect spring eye bolts & remove leaf spring with rear shackle attached.

**Tech Note:** A helping hand is recommended to keep leaf spring assembly from falling.

Remove OEM shackle. Attach Skyjacker Shackle to rear eye of Skyjacker Replacement Rear Leaf Springs with OEM hardware using a 21mm socket \ wrench. **Note:** Long end of Skyjacker leaf spring & thick end of bottom degree shim goes to rear. **Tech Note:** Shackle Zerk grease fitting goes toward rear. Secure, but **Do Not Completely Tighten**.

Install Skyjacker Leaf Spring \ Shackle Assembly to OEM frame mount with OEM hardware.

**Tech Note:** A helping hand is recommended.

Secure OEM hardware, but **Do Not Completely Tighten** leaf spring hardware 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.

**Note:** Perform Steps 14 on Opposite Side at a Time, Then Proceed to Step 15.

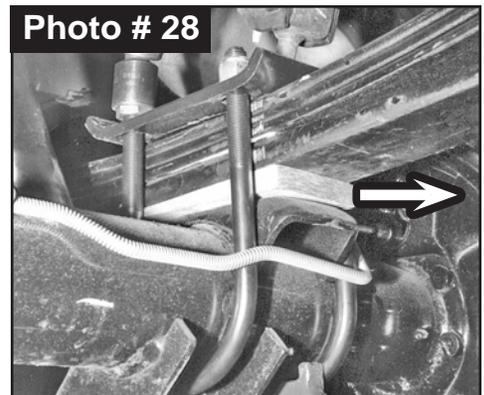
15. Clean spring pads of all debris. Raise axle to mate leaf spring to axle.

**Note:** Be sure that leaf spring center bolt head seats properly into axle pad.

**Tech Note:** Two (2) different U-bolt sizes are included. Use appropriate U-bolt for your axle housing size. Install supplied Skyjacker 1/2" U-Bolts under axle up into OEM u-bolt plate. (Comanche pickups install over axle down).

Install supplied 1/2" Nylon Insert Nuts using a 3/4" socket \ wrench. (See Photo # 28)

Torque u-bolts evenly using an 'X' crisscross tightening sequence. Torque to 90 ft-lbs.



**NOTE: Kit With HYDRO, NITRO, Black MAX, or M95 Monotube: Proceed to Step 16.**

**Kit With ADX 2.0 Remote Reservoir: Proceed to Step 17.**

16. Install Skyjacker rear shock. Connect upper shock mount with OEM hardware using a 13mm socket \ wrench. Connect lower shock mount with OEM hardware using a 3/4" socket \ wrench. Secure, but **Do Not Completely Tighten** at this time.

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

Install Skyjacker ADX rear shock. Connect upper shock mount with OEM hardware using a 13mm socket \ wrench. Connect lower shock mount with OEM hardware using a 3/4" socket \ wrench. Secure, but **Do Not Completely Tighten** at this time.

**CAUTION:** Make Sure ADX Shock Reservoir \ Reservoir Hose Does Not & Will Not Make Contact with Anything Throughout Full Travel Cycle of Suspension. (frame, 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 5/32" Hex Key socket to loosen clamps to position reservoir cylinder as needed.

18. Install rear tires \ wheels. Lower vehicle to ground. Torque lugs to OEM service manual specifications.

### **Final Clearance Check & Torque Steps:**

**Notes:** Check electrical \ vacuum four-wheel drive wiring plugs at passenger side of axle.

Drag Link & Track Bar Must Be Adjusted to Center Steering Wheel Before Vehicle Is Driven. Failure to Do So Will Cause Computer Errors, Odd Handling Characteristics, & Poor Performance. Drag link at pitman arm mount. Torque 35 ft-lbs.

Center Track Bar. Check vehicle to see if body is centered over the front tires \ wheels.

Take a measurement from inside of tire to frame.

Repeat procedure on opposite side of vehicle.

Compare two (2) measurements

If not centered, disconnect track bar rod end from vehicle & adjust rod end in \ out as needed to correct center.

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 lower axle \ bracket mount using a 5/32" Hex Key Socket & 3/4" socket \ wrench. Torque 90 ft-lbs.

Skyjacker track bar at upper frame mount using a 3/4" socket \ wrench. Torque 90 ft-lbs.

Front shock absorber upper mount using a 15mm socket \ wrench. Torque 25 ft-lbs.

Front shock absorber lower mount using a 15mm socket \ wrench. Torque 32 ft-lbs.

ADX Reservoir clamp. Double check position & clearance. Tighten with 5/32" Hex Key socket.

Sway bar end link upper bolt using a 3/4" socket \ wrench. Torque 90 ft-lbs.

Sway bar end link lower bolt using a 18mm socket \ wrench & T55 Torx bit. Torque 75 ft-lbs.

Skyjacker lower link arm at axle mount & at frame mount using a 21mm socket \ wrench.

Torque 130 ft-lbs.

#### 4. Rear Tighten & Torque Sequence.

Rear shock absorber upper mount using a 13mm socket \wrench. Torque 25 ft-lbs.

Rear shock absorber lower mount using a 3/4" socket \wrench. Torque 50 ft-lbs.

ADX Reservoir clamp. Double check position & clearance. Tighten with 5/32" Hex Key socket.

Torque u-bolts evenly using an 'X' crisscross tightening sequence. Torque to 90 ft-lbs.

Leaf Spring using a 21mm socket \wrench. Spring eye & shackle eye bolts. Torque 65 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.

<b>TORQUE SPECIFICATIONS</b>					
<b>INCH SYSTEM</b>			<b>METRIC SYSTEM</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	180 in-lbs	240 in-lbs	6MM	102 in-lbs	108 in-lbs
3/8	30 ft-lbs	35 ft-lbs	8MM	16 ft-lbs	23 ft-lbs
7/16	45 ft-lbs	60 ft-lbs	10MM	32 ft-lbs	45 ft-lbs
1/2	65 ft-lbs	90 ft-lbs	12MM	55 ft-lbs	75 ft-lbs
9/16	95 ft-lbs	130 ft-lbs	14MM	85 ft-lbs	120 ft-lbs
5/8	135 ft-lbs	175 ft-lbs	16MM	130 ft-lbs	165 ft-lbs
3/4	185 ft-lbs	280 ft-lbs	18MM	170 ft-lbs	240 ft-lbs

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

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

**Tech Note:** If a drive shaft vibration is present after installation, a Transfer Case Lowering Kit is available:

**1984-1993 Cherokee XJ Models & 1986-1992 Comanche MJ Models.**

Order Part # TCL30 Transfer Case Lowering Kit

**1994-2001 Cherokee XJ Models.**

Order Part # TCL31 Transfer Case Lowering Kit & Shifter Linkage Relocation Bracket.



**JESUS  
FORGIVES  
ROCKS  
DON'T**

***Jesus Christ Died For You.***

John 3:16

For God so loved the world that He gave His only Son, so that everyone who believes in Him should not perish, but have everlasting life.  
Romans 3:23

For all have sinned; all fall short of God's glorious standard.  
Ephesians 2:8

God saved you by his special favor when you believed. And you can't take credit for this; it is a gift from God.  
Psalms 18:2

The Lord is my Rock, my fortress, and my savior; my God is my Rock, in whom I find protection. He is my shield, the strength of my salvation, and my stronghold.  
Romans 10:9-10

That if you shall confess with thy mouth the Lord Jesus, and shall believe in your heart that God hath raised him from the dead, you shall be saved. For with the heart man believeth unto righteousness; and with the mouth confession is made unto salvation.

**Pray This Simple Prayer:**

God, I come to You admitting I have sinned against You and I need you to take control of my life. The Bible says anyone who calls on the name of the Lord will be saved. I am calling on You, Jesus. I ask that You come live in my heart and be the Lord over my life today. I do believe You died on the cross for me and came back to life to give me life! Thank You, Lord Jesus for a new life in You!

Now, go and tell somebody about your new life in Jesus, get a Bible, begin to read it, and go to a Bible believing church.

If you would like someone to pray with you, call Kenneth Copeland Ministries anytime at 800-600-7395.

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

***Jesús murió por ti.***

Juan 3:16

“Porque tanto amó Dios al mundo, que dio a su Hijo unigénito, para que todo el que cree en él no se pierda, sino que tenga vida eterna.”  
Romanos 3:23

“Pues todos han pecado y están privados de la gloria de Dios.”  
Efesios 2:8

“Porque por gracia ustedes han sido salvados mediante la fe; esto no procede de ustedes, sino que es el regalo de Dios.”  
Salmos 18:2

“El Señor es mi roca, mi amparo, mi libertador; es mi Dios, el peñasco en que me refugio. Es mi escudo, el poder que me salva, ¡mi más alto escondite!”  
Romanos 10:9-10

“9 Que si confi esas con tu boca que Jesús es el Señor, y crees en tu corazón que Dios lo levantó de entre los muertos, serás salvo. 10 Porque con el corazón se cree para ser justifi cado, pero con la boca se confi esa para ser salvo.”

**Ahora dí esta simple oración:**

Dios, vengo a Ti y admito que he pecado contra Ti, necesito que tomes el control de mi vida. La Biblia dice que todo aquel que invoca el nombre del Señor escapará con vida. En este momento yo clamo ante Ti, Jesús; te pido que vengas a vivir en mi corazón y que tomes el control de mi vida. ¡Yo creo que tu moriste en la cruz y resucitaste para darme vida! ¡Gracias Señor Jesús, por una nueva vida que tengo en Ti! Amen.

Ahora ve y dile a alguien sobre la nueva vida que tienes en Cristo. Compra una Biblia y empieza a leerla. Busca una Iglesia que cree en la Biblia y hazte parte de esa Iglesia.

Si te gustaría orar con alguien, puedes llamar a este número 800-600-7395

Puedes ir a este sitio de Internet para escuchar música Cristiana sin anuncios, [www.887fm.org](http://www.887fm.org)

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[www.kcm.org](http://www.kcm.org)

## Brake Line Relocation Template

Cut out template using outside edge of square as a guide.

