



1994-2001 Jeep Cherokee XJ Transfer Case Lowering Kit Part # TCL31

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REQUIRED TOOL LIST:

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Floor Jack
- Torque Wrench

Before beginning the installation, thoroughly & completely read these instructions. 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.

Component Box Breakdown:

Part #: TCL31

Item #	Description	Qty	Item #	Description	Qty
TCL114SX6-S	TRANS CS LWR:1 1/2"X2X6-SGL	2	I-TCL31	INSTRUCTIONS FOR TCL31	1
HB-TCL31	HDWR BAG: TCL31	1			

Hardware Bag Breakdown:

Part # HB-TCL31

Item #	Description	Qty	Item #	Description	Qty
TCL24-B	TRANS CASE LNKG RELOC B-TJ	1	10MMX60MMB	10 X 60 METRIC BOLT/10.9	2
14X1FTB	1/4 X 1 FINE THD BOLT G8	2	38X1CTBG5	3/8 X 1 CRSE THRD BLT,GRD 5	2
14FTN	1/4-28 FINE N/I LOCK NUT	2	38CTN	3/8-16 COARSE N/I LOCK NUT	2
14SAEW	1/4 SAE WASHER	2	38SAEW	3/8 SAE WASHER	6

Installation:

1. Park the vehicle on a flat, level surface & block the front & rear tires.
2. Place the transmission in neutral.
3. Loosen all of the engine mount bolts about 1/2 turn.
4. Support the transfer case cross member with a transmission or floor jack. Remove the bolts & nuts for each side of the cross member.
(See Photo # 1)



Photo # 1

5. Slowly lower the cross member, approximately 2", to allow enough room to install the new Skyjacker tubular spacers.

6. Install the new Skyjacker tubular spacers between the cross member & frame. Slowly raise the jack to firmly hold the tubular spacers in place.

7. Install the OEM nuts, removed in Step # 4, onto the studs that are protruding out of the frame on each side to hold the top half of the new spacers in place. **Note:** There is only one stud on each side protruding out of the frame. Next, install the 3/8" x 1" bolt on each side through the cross member & the bottom half of the new tubular spacers. Install the 3/8 nut, washer, & hand tighten.



Photo # 2

8. Install the new 10mm x 60mm bolt up through the cross member & tubular spacer & tighten to 33 ft. lbs. (See Photo # 2)

9. Tighten the 3/8" nut down onto the 3/8" x 1" bolt from Step # 7 to 33 ft-lbs. Remove the transmission jack & set aside.

10. Re-torque the engine mount bolts loosened in Step # 3. The engine mount to block bolts torque to 45 ft-lbs. The engine mount to frame bolts torque to 30 ft-lbs. The thru bolts torque to 48 ft-lbs.

11. Install the transfer case linkage bracket. (See Steps # 1 thru # 5 Below)

TRANSFER CASE LINKAGE BRACKET INSTALLATION:

1. Install the new Skyjacker transfer case linkage pivot drop bracket to the stock pivot bracket using the OEM hardware. Using the two 1/4" x 1" bolts with a flat washer & self locking nut, bolt the ball swivel bracket (See Arrow in Photo # 3) to the new Skyjacker drop bracket. **Note:** The bracket has two sets of holes. The bottom holes are for a 4" lift as shown & the upper holes are for a 2 1/2" lift.

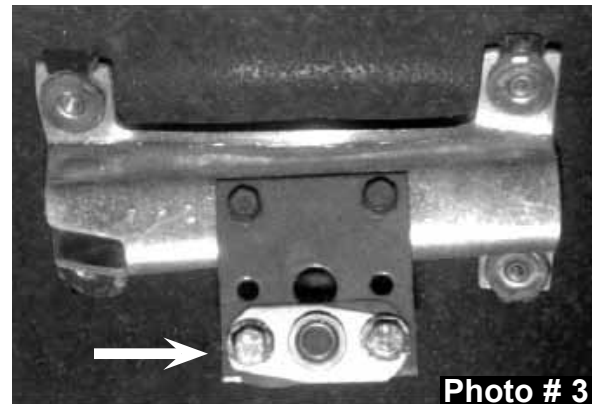


Photo # 3

2. Placing the pivot bracket back in location, start the end of the rod through the ball swivel & bolt the bracket in location with the OEM hardware. (See Photo # 4)

3. Check to make sure that the transfer case will fully engage at each end of the shifter travel. If linkage adjustment is required, see Step # 4.



Photo # 4

4. Check the transfer case shifter to see if it will move to 4L. If not, the linkage will need adjusting as follows. Place the shifter in 4L, loosen the adjustment bolt ("A" Arrow in Photo # 5), & push the linkage ("B" Arrow in Photo # 5) forward until it stops. Now retighten adjustment bolt. Check to be sure the 4WD works properly.

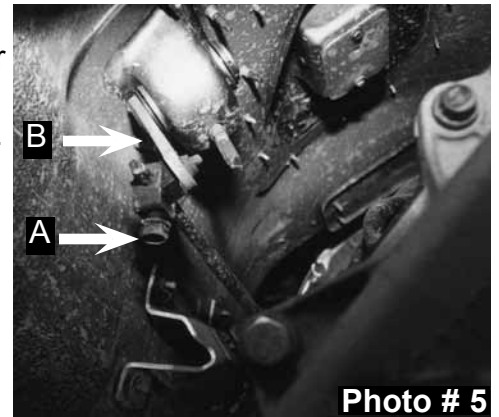


Photo # 5

5. On 5 speed models, engage the clutch & check the transmission shifter to see if it will go into 2nd gear. If not, the shifter housing on the floor will need trimming. Remove the center console, pull back the carpet, remove the screws holding the shifter boot to the floor, & trim or grind the floor board until sufficient clearance is obtained. (See Arrow in Photo # 6) Shift through each gear to check clearance at this time. Now reinstall the shifter boot, carpet, & console.

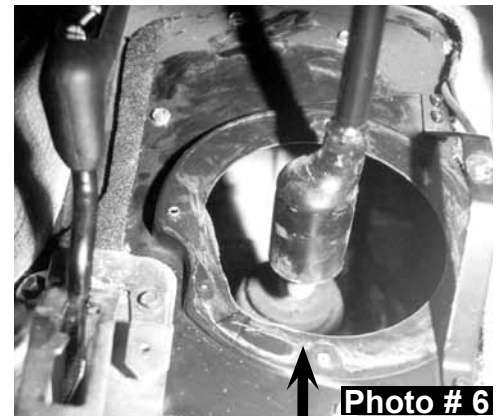


Photo # 6

TORQUE SPECIFICATIONS

<u>INCH SYSTEM</u>			<u>METRIC SYSTEM</u>		
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 8.8	Class 10.9
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 FTLB	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.



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.

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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

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