



**97- 06 Jeep Wrangler  
TJ / Unlimited Rock Ready I  
6" Suspension Lift  
Installation Instructions**



- \* Safety Glasses
- \* Metric / Standard Wrenches & Sockets
- \* Allen Wrenches
- \* Drill & Assorted Drill Bits
- \* Grinder / Cut Off Wheel
- \* Pipe Wrench
- \* Floor Jack
- \* Jack Stands
- \* Measuring Tape
- \* Torque Wrench

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.

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:**

- If larger tires (10% more than the OEM 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.
- 6-Speed transmission models may require additional modifications
- Exhaust modifications may be necessary.

- A slip yoke eliminator kit (Part # RR231) & a rear C.V. drive shaft are required.
- Rubicon models require a C.V. yoke (Part # CVR680) & a replacement C.V. drive shaft.
- 2003-2006 models with an automatic transmission must remove the front transmission skid plate for driveshaft clearance.

## Kit Box Breakdown:

### Part #: TJ68RRX

ITEM#	DESCRIPTION	QTY
TJ60DFB-B	TJ 6-9"/DRVR FRAME BRACKET	1
TJ60PFB-B	TJ 6-9"/ PASS FRAME BRKT	1
TJ6VXFURB	6-8"TJ,VAL FX,FRNT UPR BRKT	1
TJ6VXRURB	6-8"TJ,VAL FX,REAR UPR BRKT	1
JLL2501-SVX	TJ LWR LNK BENT SGL FLEX/PR	2
TJ60RTB	TJ 6-8"/REAR TRACK BRKT KIT	1
JSRB231A	NP231 TRANSFER CASE SHIFTER	1
FBL44-RBL98	BRAKE LINE SET 97-01 TJ	1
TJRSB10	99>TJ,REAR SHOCK RELOC BRKT	1
TJ68SP	SKID PLT BRKTS,03>TJ 6",8"	1
HB-TJ68RRX	HDWR BAG: TJ68RRX COM BOX	1

### Part #: TJ6VXFURB

ITEM#	DESCRIPTION	QTY
TJ6VXFDRB-B	6"TJ VAL FLEX,FRT DRVR RELO	1
TJ6VXFPRB-B	6"TJ VAL FLEX,FRT PASS RELO	1

### Part #: TJ6VXRURB

ITEM#	DESCRIPTION	QTY
TJ6VXRDRB-B	6"TJ VAL FLEX,REAR DRVR REL	1
TJ6VXRPRB-B	6"TJ VAL FLEX,REAR PASS REL	1

### Part #: JLL2501-SVX

ITEM#	DESCRIPTION	QTY
JLL2501SX-ASY	TJ LOWER LINK BENT SGL FLEX	2
RR114-14	ROD END BUSHING 14MM ID	4

## Part #: TJ60RTB

ITEM#	DESCRIPTION	QTY
TJ60RTB-B	TJ 6-8"/ REAR TRK BAR BRKT	1
12X70MMB	12 X 70 METRIC BOLT/10.9	1
141509	ES25 SLEEVE/403646 1.50"	1
12X114FTB	1/2 X 1 1/4 FINE THD BOLT	1
516X1FTB	5/16 X 1 FINE THRD BOLT	1
12MMN	12 MM NUT (METRIC)	1
516FTN	5/16" FINE THRD N/I LOCKNUT	1
12FTN	1/2-20 FINE N/I LOCK NUT	1
12SAEW	1/2 SAE WASHER	4
516SAEW	5/16 SAE WASHER	2

## Part #: JSRB231A

ITEM#	DESCRIPTION	QTY
TJSRB-1	TJ MAIN SHIFT RELOCATE BRKT	1
TJSRB-2	TJ AUX. SHIFT RELOCATE BRKT	1
HB-JSRB231A	HDWR BAG: JSRB231A T/C BRKT	1
I-JSRB231	INST. SHEET FOR JSRB231	1

### Hardware Bag Breakdown:

#### HB-JSRB231A      HARDWARE BAG

ITEM#	DESCRIPTION	QTY
516X1FTB	5/16 X 1 FINE THRD BOLT	2
516FTN	5/16" FINE THRD N/I LOCKNUT	2
38FSFTN	3/8-24 FLANGE SERRATED NUT	2
516SAEW	5/16 SAE WASHER	2
SS312-UL	JSRB SLEEVE, .312/.302 LONG	1
SS1062-UL	JSRB SLEEVE,1.062/1.052LONG	1
FSB3838	FLANGED SLV BRG 3/8" X 3/8"	2
TS38	EXT.TUBE,3.25"/FOR JSRB KIT	1

## Part #: FBL44

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

## Part #: RBL98

ITEM#	DESCRIPTION	QTY
RBL98S	38TEE-90DGRE,SKJF09,23.375"	1
BE15	BRAKE LINE EXTENSIONS	1
HC1	HOSE/HORSESHOE CLIP	1
I-BL	INSTRUCTIONS: BRAKE LINES	1

## Part #: TJRSB10

ITEM#	DESCRIPTION	QTY
JRSRB1-B	JEEP TJ REAR SHOCK BRACKET	2
HB-TJRSB10	HDWR BAG: TJRSB10	1
I-TJRSB10	INST SHEET FOR TJRSB10	1

### Hardware Bag Breakdown:

#### HB-TJRSB10      HARDWARE BAG

ITEM#	DESCRIPTION	QTY
12X3FTB	1/2 X 3 FINE THREAD BOLT	4
38X1FTB	3/8 X 1 FINE THREAD BOLT	2
12FTN	1/2-20 FINE N/I LOCK NUT	4
38FTN	3/8-24 FINE N/I LOCK NUT	2
12SAEW	1/2 SAE WASHER	8
38SAEW	3/8 SAE WASHER	4
12XTFW	1/2"EXTRA THICK FLAT WASHER	4
142121	ES24 SLEEVE/402087 1.38"	2

## Part #: TJ68SP

ITEM#	DESCRIPTION	QTY
TJ03SPRDB-1	03 SKID PLT,REAR DRIVER BKT	1
TJ03SPRPB-2	03 SKID PLT,REAR PASS BRKT	1
HB-TJ68SP	HDWR BAG:SKID PLT,03>TJ6,8"	1

### Hardware Bag Breakdown:

#### HB-TJ68SP      HARDWARE BAG

ITEM#	DESCRIPTION	QTY
38X114FTB	3/8 X 1 1/4 FINE THD/GRD 8	2
38FTN	3/8-24 FINE N/I LOCK NUT	2
38SAEW	3/8 SAE WASHER	4

## Hardware Bag Breakdown:

### HB-TJ68RRX            HARDWARE BAG

<b>ITEM#</b>	<b>DESCRIPTION</b>	<b>QTY</b>
10MMX80MMB	10 X 80 METRIC BOLT/ 10.9	4
10MMN	10 MM N/I LOCKNUT	4
12X30SHB	12MM X 30 SOCKET HEAD BOLT	2
12X3FSB	1/2 X 3 FLAT SOCKET BOLT	6
12MMX80B	12 X 80 METRIC BOLT/10.9	6
12FTN	1/2-20 FINE N/I LOCK NUT	4
12SAEW	1/2 SAE WASHER	8
38SAEW	3/8 SAE WASHER	8
516X1FTB	5/16 X 1 FINE THRD BOLT	1
516X34TCFB	5/16 X 3/4 THD CUT FLG BOLT	1
516FTN	5/16" FINE THRD N/I LOCKNUT	1
516SAEW	5/16 SAE WASHER	1
CCTJ	COIL SPRING CLIP / JEEP TJ	1
12X412FTB	1/2 X 4 1/2 FINE THD GRD. 8	4
12XTFW	1/2"EXTRA THICK FLAT WASHER	8
12X114FTB	1/2 X 1 1/4 FINE THD BOLT	1
TRB10-S	TIE ROD END BOOT/ SMALL	4
716X312FTB	7/16 X 3 1/2 FINE THD,GR 8	4
716FTN	7/16-20 FINE N/I LOCK NUT	4
716SAEW	7/16 SAE WASHER	8

### Part #: TJ60RR1

<b>ITEM#</b>	<b>DESCRIPTION</b>	<b>QTY</b>
RRSP20	STRG BX SKID PLATE 97-06 TJ	1
SBE226	SWAY BAR END LINK FRT 6" TJ	1
SBE606	END LINKS REAR 97-01 6-8" T	1
TBA60	FRT ADJ TRACK BAR 6"	1
BP50S	BUMP STOP WRANGLER TJ	4
ABSS252	BUMP STOP SPACR,3"OD-2"TALL	4
JA750	PITMAN ARM TJ,YJ W/PWR STRG	1
HB-ABSS252	HDWR BAG FOR ABSS252	1
I-TJ60RRX1	INSTRUCTION SHEET: TJ60RR1	1

### Part #: RRSP20

<b>ITEM#</b>	<b>DESCRIPTION</b>	<b>QTY</b>
RRSP20-S	STRG GEAR BX SKID PLATE R/R	1
HB-SSP10	HARDWARE BAG FOR SSP10	1
I-SSP10	INSTRUCTIONS FOR SSP10	1

**Hardware Bag Breakdown:**

**HB-SSP10                      HARDWARE BAG**

<b>ITEM#</b>	<b>DESCRIPTION</b>	<b>QTY</b>
RRSP20-S	STRG GEAR BX SKID PLATE R/R	1
HB-SSP10	HARDWARE BAG FOR SSP10	1
I-SSP10	INSTRUCTIONS FOR SSP10	1

**Part #: SBE226**

<b>ITEM#</b>	<b>DESCRIPTION</b>	<b>QTY</b>
SBE326-L	SWAY BAR END LINK TUBE,BENT	2
SBE-E1	SWAY BAR END LK EYE, WELDED	4
14X112SPIN	1/4 X 1 1/2 SNAPPER PIN	4
HB-SBENB01	HDWR BAG:SBE120,225,228,401	1
I-SBE120/124	INST SHEET - SBE120/124/320	1

**Hardware Bag Breakdown:**

**HB-SBENB01                      HARDWARE BAG**

<b>ITEM#</b>	<b>DESCRIPTION</b>	<b>QTY</b>
SBB2	SWAY BAR U-BRACKET FOR SBE	2
141509	ES25 SLEEVE/403646 1.50"	4
12X212CTBG5	1/2 X 2 1/2 CRS THD BLT,GR5	2
10X35MMB	10MM X 35 METRIC BOLT/10.9	2
12CTCLN	1/2"COARSE-CENTER LOCK NUT	2
10MMN	10 MM N/I LOCKNUT	2
38SAEW	3/8 SAE WASHER	2
12SAEW	1/2 SAE WASHER	2

**Part #: SBE606**

<b>ITEM#</b>	<b>DESCRIPTION</b>	<b>QTY</b>
SBE506-L	REAR,SWAY BAR END LK,SINGLE	2
HOURGLASS 3/4	HOURGLASS 3/4 SHOCK BUSHING	4
142118	ES34 SLEEVE/404094 1.66"	4

# Part #: TBA60

<b>ITEM#</b>	<b>DESCRIPTION</b>	<b>QTY</b>
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
B10RS	RED BOOT	1
NSS	NITRO SHOCK DECAL	1
I-TBA10	INSTRUCTIONS FOR TBA10	1
HB-TBA60	HDWR BAG FOR TBA10/60/80	1

## Hardware Bag Breakdown:

### HB-TBA60                      **HARDWARE BAG**

<b>ITEM#</b>	<b>DESCRIPTION</b>	<b>QTY</b>
TJDLB	TJ DRAG LINK BUSHING,1.125"	2
12X212FSB	1/2 X 2 1/2 FLAT SOCKET BLT	1
12X312FTB	1/2 X 3 1/2 FINE THREAD BLT	1
12USSW	1/2 USS WASHER	1
12SAEW	1/2 SAE WASHER	1
12STVFTN	1/2" STOVER LKNUT, FINE THD	1
2888	BUSHING JEEP TRACK BAR	2
142121	ES24 SLEEVE/402087 1.38"	1
81004	TAPERED SLEEVE, 1/2" I.D.	1
LT100	NUTS N' BOLTS 427 1 ML TUBE	1
HOURGLASS 5/8	HOURGLASS 5/8 SHOCK BUSHING	2
P837	STAB TAPERED STUD/141264	1
140629	EB6 STUD BAG - P932/140629	1
7146-B	TJ TRACK BAR/STAB BRACKET	1
12STVCTN	1/2"STOVER COARSE, LOCK NUT	1

## Hardware Bag Breakdown:

### HB-ABSS252                    **HARDWARE BAG**

<b>ITEM#</b>	<b>DESCRIPTION</b>	<b>QTY</b>
38X234FTB	3/8 X 2 3/4 FINE THREAD BOL	4
38FTN	3/8-24 FINE N/I LOCK NUT	4
38SAEW	3/8 SAE WASHER	4

## Part #: TJ60URRX

ITEM#	DESCRIPTION	QTY
TJ65UDFB-B	TJ,6"DRVR FRAME BRKT,05UNLT	1
TJ65UPFB-B	TJ,6"PASS FRAME BRKT,05UNLT	1
TJ6VXRDRB-B	6"TJ VAL FLEX,REAR DRVR REL	1
TJ6VXRPRB-B	6"TJ VAL FLEX,REAR PASS REL	1
TJ6VXFDRB-B	6"TJ VAL FLEX,FRT DRVR RELO	1
TJ6VXFPRB-B	6"TJ VAL FLEX,FRT PASS RELO	1
JLL2501-SVX	TJ LWR LNK BENT SGL FLEX/PR	2
TJ60RTB	TJ 6-8"/REAR TRACK BRKT KIT	1
JSRB2315U	JEEP SHIFT REL BRKT/05 UNLT	1
FBL44	FRONT BRK LN,84-01CHER,3-6"	1
TJRSB10	99>TJ,REAR SHOCK RELOC BRKT	1
RBLE60U-S	REAR BRK EXT,6"VAL FX,UNLTD	1
HB-TJ68RRX	HDWR BAG: TJ68RRX COM BOX	1

## Part #: JLL2501-SVX

ITEM#	DESCRIPTION	QTY
JLL2501SX-ASY	TJ LWR LK BENT SGL FLEX ASY	2
RR114-14	ROD END BUSHING 14MM ID	4

## Part #: TJ60RTB

ITEM#	DESCRIPTION	QTY
TJ60RTB-B	TJ 6-8"/ REAR TRK BAR BRKT	1
12X70MMB	12 X 70 METRIC BOLT/10.9	1
141509	ES25 SLEEVE/403646 1.50"	1
12X114FTB	1/2 X 1 1/4 FINE THD BOLT	1
516X1FTB	5/16 X 1 FINE THRD BOLT	1
12MMN	12 MM NUT (METRIC)	1
516FTN	5/16" FINE THRD N/I LOCKNUT	1
12FTN	1/2-20 FINE N/I LOCK NUT	1
12SAEW	1/2 SAE WASHER	4
516SAEW	5/16 SAE WASHER	2

## Part #: JSRB2315U

ITEM#	DESCRIPTION	QTY
TJSRB-1	TJ MAIN SHIFT RELOCATE BRKT	1
TJSRB-2	TJ AUX. SHIFT RELOCATE BRKT	1
FSB3838	FLANGED SLV BRG 3/8" X 3/8"	2
SS312-UL	JSRB SLEEVE, .312/.302 LONG	1
SS1062-UL	JSRB SLEEVE,1.062/1.052LONG	1
TS38	EXT.TUBE,3.25"/FOR JSRB KIT	1
516X1FTB	5/16 X 1 FINE THRD BOLT	2
516FTN	5/16" FINE THRD N/I LOCKNUT	2
38FSFTN	3/8-24 FLANGE SERRATED NUT	2
516SAEW	5/16 SAE WASHER	2
I-JSRB231	INST. SHEET FOR JSRB231	1

## Part #: FBL44

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

## Part #: TJRSB10

ITEM#	DESCRIPTION	QTY
JRSRB1-B	JEEP TJ REAR SHOCK BRACKET	2
HB-TJRSB10	HDWR BAG: TJRSB10	1
I-TJRSB10	INST SHEET FOR TJRSB10	1

### Hardware Bag Breakdown:

#### HB-TJRSB10      HARDWARE BAG

ITEM#	DESCRIPTION	QTY
12X3FTB	1/2 X 3 FINE THREAD BOLT	4
38X1FTB	3/8 X 1 FINE THREAD BOLT	2
12FTN	1/2-20 FINE N/I LOCK NUT	4
38FTN	3/8-24 FINE N/I LOCK NUT	2
12SAEW	1/2 SAE WASHER	8
38SAEW	3/8 SAE WASHER	4
12XTFW	1/2"EXTRA THICK FLAT WASHER	4
142121	ES24 SLEEVE/402087 1.38"	2

## Hardware Bag Breakdown:

### HB-TJ68RRX                      HARDWARE BAG

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
10MMX80MMB	10 X 80 METRIC BOLT/ 10.9	4
10MMN	10 MM N/I LOCKNUT	4
12X30SHB	12MM X 30 SOCKET HEAD BOLT	2
12X3FSB	1/2 X 3 FLAT SOCKET BOLT	6
12MMX80B	12 X 80 METRIC BOLT/10.9	6
12FTN	1/2-20 FINE N/I LOCK NUT	4
12SAEW	1/2 SAE WASHER	8
38SAEW	3/8 SAE WASHER	8
516X1FTB	5/16 X 1 FINE THRD BOLT	1
516X34TCFB	5/16 X 3/4 THD CUT FLG BOLT	1
516FTN	5/16" FINE THRD N/I LOCKNUT	1
516SAEW	5/16 SAE WASHER	1
CCTJ	COIL SPRING CLIP / JEEP TJ	1
12X412FTB	1/2 X 4 1/2 FINE THD GRD. 8	4
12XTFW	1/2"EXTRA THICK FLAT WASHER	8
12X114FTB	1/2 X 1 1/4 FINE THD BOLT	1
TRB10-S	TIE ROD END BOOT/ SMALL	4
716X312FTB	7/16 X 3 1/2 FINE THD,GR 8	4
716FTN	7/16-20 FINE N/I LOCK NUT	4
716SAEW	7/16 SAE WASHER	8

## **Pre-Installation Tips:**

**Now you are ready to "set" the length of the new Rock Ready™ link assemblies.**

It is very important to position the swivel ball socket so that the bushings are exactly centered. Measure the length of the link assembly between the center of the eyelet & the rod end. Rotate the rod end as needed, being sure to keep the rod end square with the eyelet end until the link assembly measures:

### **6" Measurements**

Lower Front should be set @ 30 1/8"

Lower Rear should be set @ 29 1/8"

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.

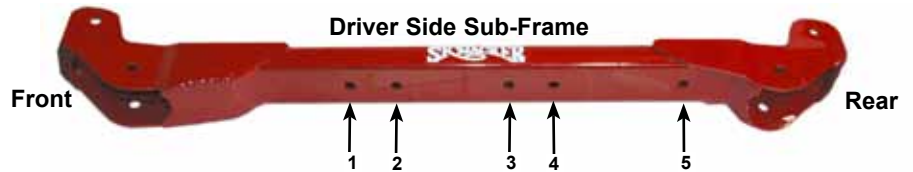


## **Front Installation:**

1. Secure & properly block the tires of the vehicle on a level concrete or asphalt surface.
2. Raise the front of the vehicle & support the vehicle with jack stands.
3. Remove the front tires, front shocks, steering stabilizer, & track bar.
4. Remove the draglink from the pitman arm & install the new Skyjacker pitman arm at this time.
5. Remove the sway bar end links & brake calipers from the OEM mounts. (See Photo # 1)
6. Lower the front differential & remove the front coil springs.
7. Remove the OEM bump stop by pulling back & forth with pliers & install the new Skyjacker poly bump stops.
8. Drill a 3/8" hole in the indent of the lower coil seat & install the new Skyjacker (round) polymer bump stop spacer. (See Photo # 2)
9. Tighten the 3/8" bolt until the top of the washer is flush with the top of the new Skyjacker bump stop spacer. (See Photo # 3)
10. Remove the front lower control arms. Using care, grind off the OEM lower control arm mounts & paint the exposed surface. (See Photo # 4)
11. Place a jack under the transmission skid plate. Remove the mounting hardware & lower the skid plate two inches.



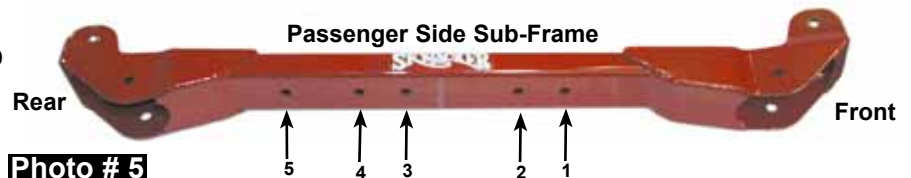
12. Place the new Skyjacker left & right sub frames between the bottom of the frame & skid plate. Fasten using the 1/2" x 3" flat socket bolts on 97-02 models & use the 12mm x 80mm bolts on the 03-06 models. (See Photo # 5)



**Note:** Skyjacker sub frames are designed to work on 1997-2006 Jeep TJ's. Therefore, each sub frame will have multiple mounting holes.

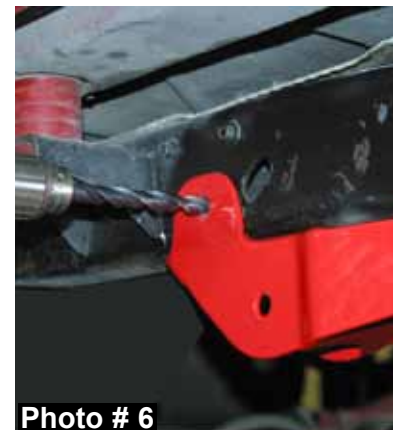
- 1997-2002 models use mounting holes 1,3, & 5.
- 2003-2006 models use holes 2 & 4. See I-TJ68SP instruction for the 3rd mounting bolt & skid plate modifications.

**Note:** On some models it may be necessary to grind down the OEM rear step bar nut insert on the outside of the frame. This will allow for the subframe rail to mount flush.



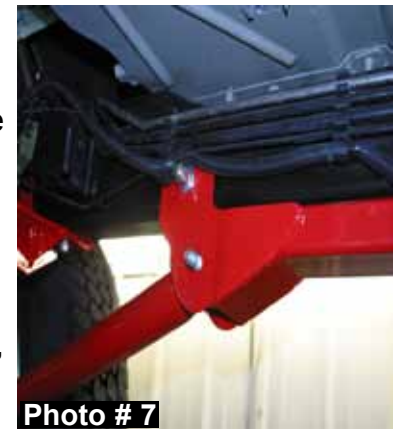
**Photo # 5**

13. With the new Skyjacker sub frame attached with the lower bolts, drill the outer mounting locations using a 1/2" drill bit. Drill completely through the frame & the mounting tab located on the back side of the sub frame. (See Photo # 6) Once drilled, install the 1/2" x 4" fine thread bolt, washers, & nuts.



**Photo # 6**

14. The new Skyjacker lower control arms mount to the OEM lower location at the differential & to the new position of the Skyjacker sub frame. Insert two large stepped spacers into the rod end of the new Skyjacker lower control arms & fasten using the OEM hardware. Install the rod end to the axle mount & the bushing end to the frame mount. (See Photo # 7)



**Photo # 7**

15. Disconnect the upper front control arm from the frame & axle. **Note:** Only disconnect one arm at a time so that the axle does not roll. (See Photo # 8)

**Important Note:**

Exhaust modifications may be necessary to allow for articulation & clearance of the new Skyjacker drop down bracket. On some models, the cross over pipe will need to be shortened so that it does not run under the control arm & new bracket.



**Photo # 8**

16. Install the new Skyjacker upper arm relocation bracket & attach it to the OEM control arm position using the OEM hardware. **Note:** Do not tighten at this time. (See Photo # 9)
17. Measure from the edge of the upper arm access hole 7 1/8" toward the rear of the vehicle & measure from the bottom of the frame up 3/4". Make marks where both of the measurements align & center punch. (See Photo # 10 & # 11)
18. Using a square, align the bracket with the bottom of the frame & clamp in place. Where centered punched, drill thru the frame & bracket using a 7/16" drill bit. (See Photo #12 & # 13) **Note:** Always use a smaller drill bit to start & gradually increase drill bit sizes to the desired hole diameter.
19. Install the 7/16" x 3 1/2" fine thread bolt, washer, & nut thru the drilled hole of the bracket & frame. (See Photo # 14)
20. Install the OEM upper control arm to the new Skyjacker bracket using the 10mm x 80mm bolt supplied & tighten all bolts at this time.
21. Attach the OEM upper control arm to the axle using the OEM hardware.
22. Install the new Skyjacker transfer case shifter bracket (Part # JSRB231A) using the instruction provided.



Photo # 9

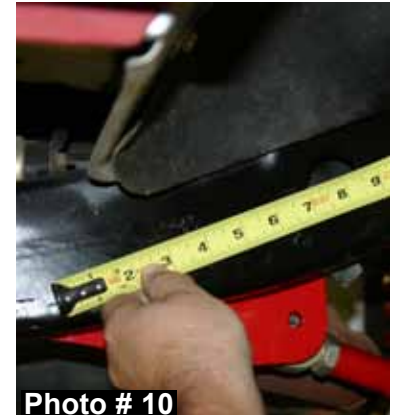


Photo # 10



Photo # 11



Photo # 12



Photo # 13

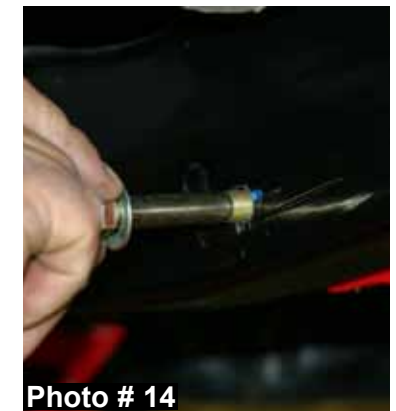


Photo # 14

23. Lower the front differential & install the new Skyjacker coil springs placing the top of the coil spring over the upper bump stop mount first. Provided with the coil springs is the clip & hardware to fasten the passenger front coil spring like the driver's side. (See Photo # 15) The OEM manufacturer provides the hole in the left lower coil spring mount for you to fasten the coil spring securely to its seat. Install it the same as on the driver side.



5/16" x 3/4"  
thread cutter  
flange bolt.

24. Install the new Skyjacker adjustable track bar by first greasing & installing the two poly bushings & sleeve. Insert the poly 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 using 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 # 16) **Note:** In extreme situations (Depending on pinion angle & caster settings), the drag link may contact this bracket when turning. This bracket can be slightly ground for additional clearance, if needed.



25. Install the frame end of the new Skyjacker track bar by following the hardware pictured. (See Photos # 17 & # 18) Being 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.



26. 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 # 19)



27. Install the front brake lines using the instructions provided with the brake line kit.

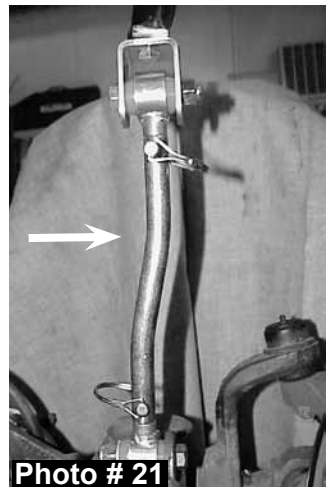
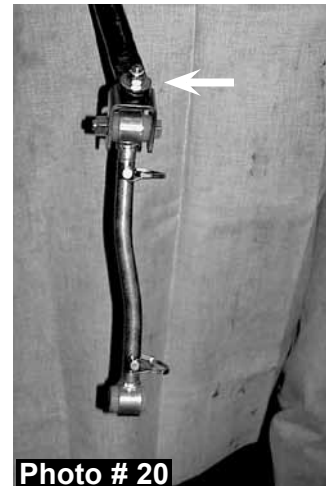


28. The new Skyjacker end link mounting bracket should be mounted to the bottom of the sway bar with the bolt pointing up through the sway bar & with the nut & washer applied on top. (See Photo # 20) Apply grease to the metal sleeves & insert them into the end link eyes. The top 1/2" x 2 1/2" bolt connecting the bracket to the end link must be installed with the nut to the outside of the vehicle to provide adequate clearance to the frame. Install the new Skyjacker double disconnect end links on the inboard side of the axle bracket, being sure that the offset is turned inward.(See Photo # 21)

29. Install the front tires & lower the vehicle to the ground.

## **Rear Installation:**

1. Raise the rear of the vehicle & support the vehicle with jack stands.
2. Remove the rear tires & shock absorbers.
3. Disconnect the rear track bar from the differential & remove the sway bar end links.
4. Lower the differential & remove the rear coil springs.
5. Drill a 3/8" hole into the center of the rear lower spring seat.
6. Remove the upper bump stop by pulling back & forth with pliers. Replace with the new Skyjacker poly bump stop.
7. Install the new Skyjacker rear coil springs.
8. Slide the new Skyjacker polymer bump stop spacer between the wraps in the coil spring. Attach the bump stop spacer to the previously drilled hole using the 3/8" x 4" fine thread bolts, washers, & nut. Tighten the 3/8" bolt until the top of the washer is flush with the top of the bump stop spacer. (See Photo # 22)
9. Place the new Skyjacker track bar relocating bracket over the OEM track bar mount at the differential. Place the new 12mm x 70mm bolt through the OEM track bar location. Use the supplied spacer to fill the space where the OEM track bar was located. Apply the lock nut & tighten.



10. Drill a 1/2" hole through the hole in the driver's side of the new Skyjacker track bar bracket. Install the 1/2" x 1 1/4" bolt with washers on each side through the newly drilled hole & tighten with the self locking nut. Install the 5/16" x 1" fine thread bolt, washers, & nut into the forward hole of the new bracket. (See Photo # 23) Install the new Skyjacker adjustable rear track bar using the instructions provided. Be sure to install both the upper & lower bolts from the rear forward. **Note:** 8" lifts come with an adjustable rear track bar & specific instructions.



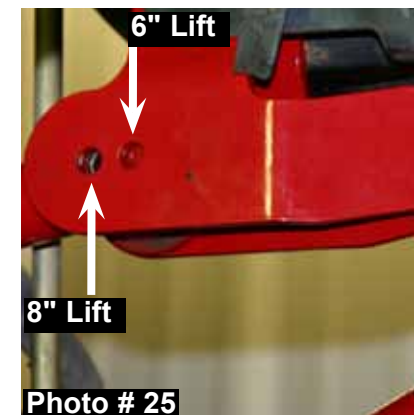
11. Remove the lower control arms & rear lower control arm mounts at the frame. Repeat the process from the front lower control arm mount. Clean & paint the exposed surfaces. The new Skyjacker rear lower control arms mount to the OEM lower location at the differential & to the new position of the sub frame. Insert two step spacers into the rod end of the new Skyjacker lower control arm. Install the new Skyjacker lower control arm with the rod end to the axle mount & the bushing end to the frame mount. Fasten using the OEM hardware. (See Photo # 24)



12. Remove the upper control arms, freeing the rear brake line, emergency brake cables, & rear sway bar end links.

**Note:** The rear upper link brackets feature two mounting locations for the upper arms. If installing a Skyjacker 6" lift, use the forward hole in the bracket & the rearward hole for 8" lifts. (See Photo # 25)

13. Install the new Skyjacker upper arm relocation bracket & attach it to the OEM control arm position using the OEM hardware. **Note:** Do not tighten at this time. (See Photo # 26)



14. Measure from the edge of the upper arm access hole 8 1/2" toward the front of the vehicle & measure from the bottom of the frame up 1". Make marks where both of the measurements align & center punch. (See Photo # 26 & # 27)

15. Using a square, align the bracket with the bottom of the frame & clamp in place. Where centered punched, drill thru the frame & bracket using a 7/16" drill bit. **Note:** Always use a smaller drill bit to start & gradually increase drill bit sizes to the desired hole diameter.



Photo # 27  
I-TJ60RRX1

Photo # 28

16. Install the 7/16" x 3 1/2" fine thread bolt, washer, & nut thru the drilled hole of the bracket & frame.
17. Install the OEM upper control arm to the new Skyjacker bracket using the 10mm x 80mm bolt supplied & tighten all bolts at this time.
18. Attach the OEM upper control arm to the axle using the OEM hardware.
19. If the vehicle is equipped with an optional upper control arm eccentric cam bolt, they must be reused.
20. Assemble the new Skyjacker rear sway bar end links by applying grease to the poly bushings & inserting them into each eye along with a sleeve. Install using OEM hardware.
21. Install the OEM rear brake line using the supplied relocation bracket. **(Unlimited models)**
22. Install the new Skyjacker rear brake line using the instruction provided. **(TJ models)**
23. Install the new Skyjacker rear coil springs & rear shocks.
24. Reinstall the rear tires & lower the vehicle to the ground.

**FINAL NOTES:**

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart again 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 front end to the factory specifications.
- Retorque all the bolts after the first 100 miles.

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

<b><u>TORQUE SPECIFICATIONS</u></b>					
<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.**



## 03-06 Jeep TJ 6"-10" Rock Ready Skid Plate Modification Supplement

**Note:** 03-06 models will require modification to the OEM skid plate in order to install the Skyjacker sub frame.

1. With the skid plate removed, use the supplied templates to scribe & cut the rear of the OEM transfer case skid plate. (See Photo # 1, # 2, & # 3)
2. Photo # 4 shows the portion removed from the driver side. Photo # 5 shows the portion removed from the passenger side.
3. With the transfer case skid plate modified, locate the new Skyjacker rear mounting brackets. Mount the new bracket to the new control arm mounting point on the sub frame. Mount using the OEM lower control arm bolt. Install the bracket so that it is flush against the sub frame & the back of the skid plate. (See Photo # 6)
4. Once installed, mark & drill the new mounting point on the skid plate using a 3/8" drill bit. Install & tighten the new 3/8" x 1 1/4" bolt & hardware at this time.

Refer back to lift kit instructions at this time.



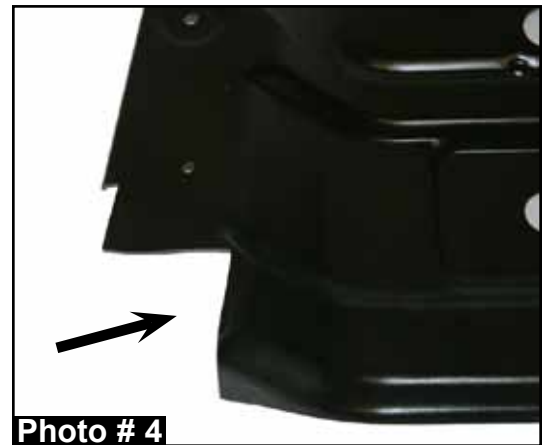
**Photo # 1**  
Driver Side Shown Above



**Photo # 2**  
Passenger Side Shown Above



**Photo # 3**



**Photo # 4**



**Photo # 5**

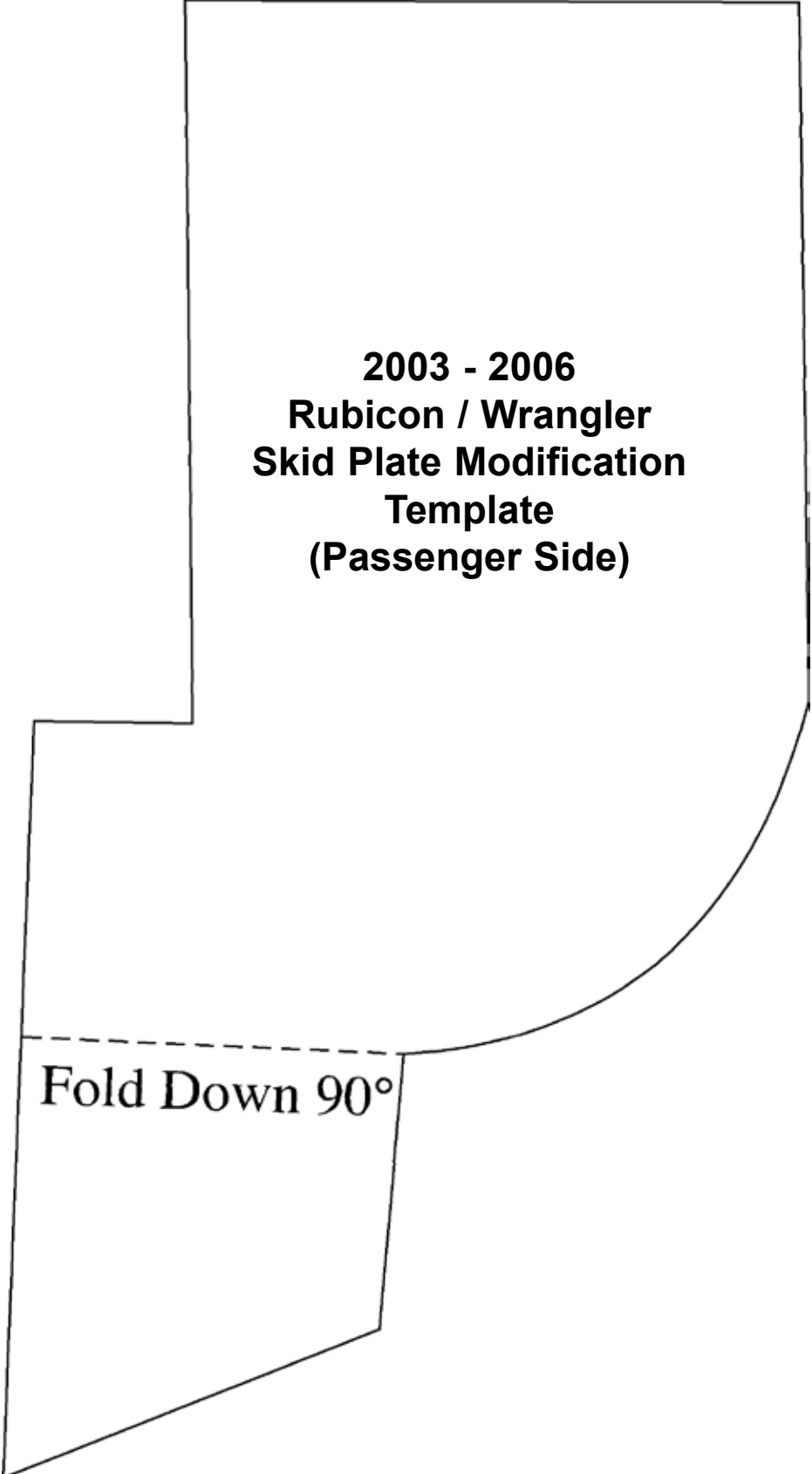


**Photo # 6**



**2003 - 2006  
Rubicon / Wrangler  
Skid Plate Modification  
Template  
(Driver Side)**

Fold Down 90°



**2003 - 2006  
Rubicon / Wrangler  
Skid Plate Modification  
Template  
(Passenger Side)**

**Fold Down 90°**

# SKYJACKER<sup>®</sup> SUSPENSIONS

## Skyjacker<sup>®</sup> 97-06 Jeep Accessories

- Steering Box Skid Plate Part # RRSP20



- Heavy-Duty Tie Rod Tube Part # TR300



- High Capacity Oil Pan  
(97-02 Models w/ Automatic Transmission)  
Part# OPA999



- Shifter Relocation Bracket  
(Included in Rock Ready<sup>®</sup> Kits)  
Regular TJ with NP231 Transfer Case  
Part # JSRB231A  
Unlimited, Rubicon & Rubicon Unlimited  
Part # JSRB2315U



- Rear Shock Relocation  
Brackets Part # TJRSB10



- Stainless Steel Brakelines 4"-10" Lift  
Front Part # FBL44 Rear Part # RBL98



- Heavy-Duty Limiting Straps

LS16K 16"	LS28K 28"
LS20K 20"	LS32K 32"
LS24K 24"	



- Rock Ready<sup>®</sup> Grab Handles

RRGH20-K	2" Black
RRGH20-R	2" Red
RRGH30-K	3" Black
RRGH30-R	3" Red



- C.V. Yoke (Rubicon Models Only)  
Part # CVR680



- High Clearance Transfer Case Skid Plate.  
97-06 Models Part # SP176



- Heavy-Duty Adjustable Rear Sway Bar  
Part # RSBA410



Contact your distributor & get your Skyjacker<sup>®</sup> Jeep Accessories Today!!