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REQUIRED TOOL LIST:

- * 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

**97-06 Jeep Wrangler TJ
 Rock Ready II 6" Pallet Kit
 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 lift kit, call 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 factory specifications.**
- **6-Speed transmission models may require additional modifications, contact Skyjacker @ 318-388-0816 for additional information.**

- 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 #: TJ676X

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
TJ60RTB-B	TJ 6-8"/ REAR TRK BAR BRKT	1
JLL2501-SVX	TJ LWR LNK BENT SGL FLEX/PR	2
JULF24-FX	JEEP UPR FRT LINK FLEX SER	1
JULR24-SX	JEEP UPR REAR LINK,SGL FLEX	1
RRSP20	STRG BX SKID PLATE 97-06 TJ	1
JSRB231A	NP231 TRANSFER CASE SHIFTER	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
FBL44	FRONT BRK LN,84-01CHER,3-6"	1
RBL98	REAR BRAKE LINE, 97-01 TJ	1
HB-TJ676X	HDWR BAG: TJ676X 97-06 TJ	1
HB-ABSS252	HDWR BAG FOR ABSS252	1
TJ68SP	SKID PLT BRKTS,03>TJ 6",8"	1
TJRSB10	99>TJ,REAR SHOCK RELOC BRKT	1
I-TJ676X	INST SHEET: TJ676X 97-06 TJ	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
HB-SS14X2	HDWR BAG:1/4"THKX2"W SHIM P	1

Hardware Bag Breakdown:

HB-SS14X2 **HARDWARE BAG**

ITEM#	DESCRIPTION	QTY
14X2SS	1/4"THICK X 2"W SPACER SHIM	2
38X114TCFB	3/8 X 1 1/4 THRD-CUTTR BOLT	4

Part #: JLL2501-SVX

ITEM#	DESCRIPTION	QTY
JLL2501-L	TJ LOWER LINK BENT SGL FLEX	2
RR114X1R	NG ROD END 1 1/4"RIGHT HAND	2
114RFTJN	1 1/4" RIGHT HAND JAM NUT	2
HB-LL-NGSX	HDWR BAG:LWR LNK NG SGL FLX	1

Hardware Bag Breakdown:

HB-LL-NGSX **HARDWARE BAG**

ITEM#	DESCRIPTION	QTY
2617	BUSHING DGE RAM LWR LNK	4
LS2645	LINK SLEEVE 2.645" LOWER	2
ZF316	ZERK FITTING ALEMITE, 3/16"	2
RR114-14	ROD END BUSHING 14MM ID	4

Part #: JULF24-FX

ITEM#	DESCRIPTION	QTY
JULF24-L	JEEP UPR LINK FRT FLEX SER	2
RR34X58R	NG ROD END 3/4" RIGHT HAND	2
34RFTJN	3/4" RIGHT HAND JAM NUT	2
RR34-10	ROD END BUSHING 10MM ID	4

Part #: JULR24-FX

ITEM#	DESCRIPTION	QTY
JULR24-SX-L	JEEP UPR LINK 2-4" SGL FLEX	2
RR34X58R	NG ROD END 3/4" RIGHT HAND	2
34RFTJN	3/4" RIGHT HAND JAM NUT	2
RR34-10	ROD END BUSHING 10MM ID	4
HB-JULR-FX	HDWR BAG/JEEP UPR RR FLEX	1

Hardware Bag Breakdown:

HB-JULR-FX HARDWARE BAG

ITEM#	DESCRIPTION	QTY
2887	BUSHING UPR REAR TJ SX LINK	4
JULRS-FX	JEEP UPR LK RR SLV,FLEX SER	2
ZF316	ZERK FITTING ALEMITE, 3/16"	2

Part #: RRSP20

ITEM#	DESCRIPTION	QTY
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

ITEM#	DESCRIPTION	QTY
58SP	5/8" SPACER - 1 1/4" O.D.	1
38X2FTB	3/8 X 2 FINE THD BOLT, GR8	1
38FTN	3/8-24 FINE N/I LOCK NUT	1
38SAEW	3/8 SAE WASHER	1
516X34TCFB	5/16 X 3/4 THD CUT FLG BOLT	1
12SAEW	1/2 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 #: SBE226

ITEM#	DESCRIPTION	QTY
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-SBE120	HDWR BAG:SBE120,225,228,401	1
I-SBE120/124	INST SHEET - SBE120/124/320	1

Hardware Bag Breakdown:

HB-SBE120 HARDWARE BAG

ITEM#	DESCRIPTION	QTY
SBB2	SWAY BAR U-BRACKET FOR SBE	2
HOURGLASS 5/8	HOURGLASS 5/8 SHOCK BUSHING	4
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

ITEM#	DESCRIPTION	QTY
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

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
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**

ITEM#	DESCRIPTION	QTY
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

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

Hardware Bag Breakdown:

HB-TJ676X HARDWARE BAG

ITEM#	DESCRIPTION	QTY
10MMN	10 MM N/I LOCKNUT	4
10MMX80MMB	10 X 80 METRIC BOLT/ 10.9	4
12FTN	1/2-20 FINE N/I LOCK NUT	5
12SAEW	1/2 SAE WASHER	10
12MMN	12 MM NUT (METRIC)	1
12MMX80B	12 X 80 METRIC BOLT/10.9	7
12X114FTB	1/2 X 1 1/4 FINE THD BOLT	1
12X30SHB	12MM X 30 SOCKET HEAD BOLT	2
12X3FSB	1/2 X 3 FLAT SOCKET BOLT	6
12X412FTB	1/2 X 4 1/2 FINE THD GRD. 8	4
12X70MMB	12 X 70 METRIC BOLT/10.9	1
12XTFW	1/2"EXTRA THICK FLAT WASHER	8
141509	ES25 SLEEVE/403646 1.50"	1
38SAEW	3/8 SAE WASHER	8
38X1TCFB	3/8 X 1 THRD-CUTTER FLG BLT	12
516FTN	5/16" FINE THRD N/I LOCKNUT	2
516SAEW	5/16 SAE WASHER	3
516X1FTB	5/16 X 1 FINE THRD BOLT	2
516X34TCFB	5/16 X 3/4 THD CUT FLG BOLT	1
CCTJ	COIL SPRING CLIP / JEEP TJ	1
TRB10-S	TIE ROD END BOOT/ SMALL	4

Hardware Bag Breakdown:

HB-ABSS252 HARDWARE BAG

ITEM#	DESCRIPTION	QTY
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 #: 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

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 #: RTBA168

ITEM#	DESCRIPTION	QTY
RTBA168-B	REAR TRACK BAR TJ 1 HEIM	1
HB-RTBA168	HDWR BAG: REAR TRACK BAR TJ	1
I-RTBA168	INSTRUCTION FOR RTBA168	1

Hardware Bag Breakdown:**HB-RTBA168 HARDWARE BAG**

ITEM#	DESCRIPTION	QTY
HD34X34DTB	H.DUTY 3/4ROD END/DGE T-BAR	1
34RFTJN	3/4" RIGHT HAND JAM NUT	1
TJDLB	TJ DRAG LINK BUSHING,1.125"	2
2888	BUSHING JEEP TRACK BAR	2
TBS1625	.625"ODX .5"IDX1.625"SLEEVE	1
12X3FTB	1/2 X 3 FINE THREAD BOLT	2
12FTN	1/2-20 FINE N/I LOCK NUT	2
12SAEW	1/2 SAE WASHER	4

Part #: SP176

ITEM#	DESCRIPTION	QTY
SP176-S	SKID PLATE ASSEMBLY 97-06TJ	1
EB2834-S	SP283/SP284 EXHAUST BRACKET	1
TM2834-S	SP283/SP284 TRANS MOUNT	1
SP2834-S-4	AIR COMP BRACKET BENT	1
SP2834-S-5	AIR COMP BRACKET FLAT	1
HB-SP283	HDWR BAG: SP283 AND SP284	1
I-SP283	INST SHEET: SP283 AND SP284	1

Hardware Bag Breakdown:**HB-SP283 HARDWARE BAG**

ITEM#	DESCRIPTION	QTY
516X1FTB	5/16 X 1 FINE THRD BOLT	4
516SAEW	5/16 SAE WASHER	12
516X1BHB	5/16 X 1 BUTTON HEAD BOLT	4
516FTN	5/16" FINE THRD N/I LOCKNUT	4
516CTN	5/16-18 COARSE N/I LOCK NUT	4
716X1FTB	7/16 X 1 BOLT,FINE THD GRD8	4
716SAEW	7/16 SAE WASHER	8
716FTN	7/16-20 FINE N/I LOCK NUT	4

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"

Upper Front should be set @ 15"

Upper Rear should be set @ 14 1/4"

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.



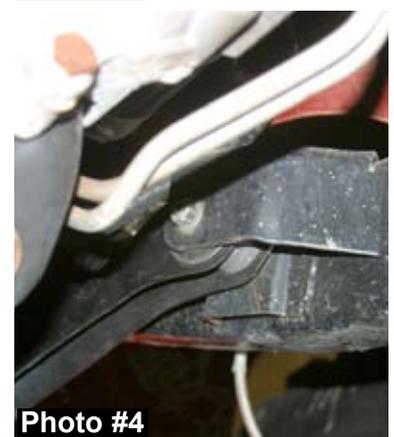
Front Installation:

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. 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 # 4)

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.

11. Install the new Skyjacker upper arm relocation bracket & attach it to the OEM control arm position using the OEM hardware.



12. Attach the new Skyjacker upper control arm to the new Skyjacker bracket using the 10mm x 80mm bolt supplied. Attach the new Skyjacker upper control arm to the axle using the OEM hardware. There are four more mounting locations that attach this bracket to the frame. Two on the outside & two on the bottom. With the bracket sitting flush on the frame, drill these locations using a 9/32" drill bit. Once drilled, install the 3/8" x 1" thread cutter bolts in these locations. (See Photo # 5 & # 6)

Note: Some models may have a slight gap between the bottom of the new Skyjacker bracket & the frame on the driver side. If this occurs, this gap can be taken up using the 1/4" plastic shim provided. Place the shim between the bracket & the frame. Using a C-Clamp, pull the bracket & shim flush to the frame. (See Arrow in Photo # 20) Drill through the plastic shim & the frame. Mount using the 3/8" x 1 1/4" thread cutter bolts provided.

13. Remove the front lower control arms. Using care, grind off the OEM lower control arm mounts & paint the exposed surface. (See Photo # 7)

14. Place a jack under the transmission skid plate. Remove the mounting hardware & lower the skid plate two inches.

15. Place the new Skyjacker left & right sub frames between the bottom of the frame & install the new Skyjacker high clearance skid plate using the instructions provided. 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 # 8) **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.

16. Install the new Skyjacker transfer case shifter bracket (Part # JSRB231A) using the instructions provided.

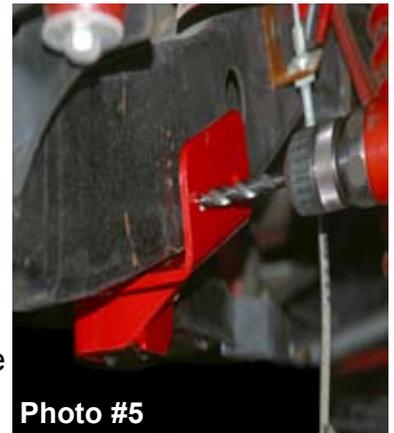


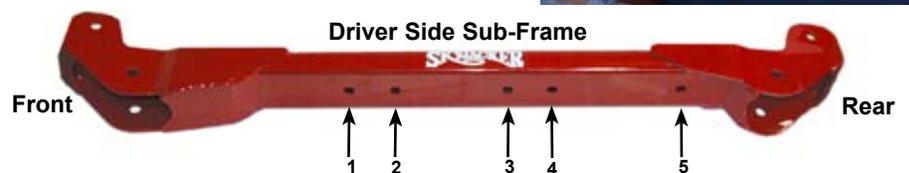
Photo #5



Photo #6



Photo #7



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.

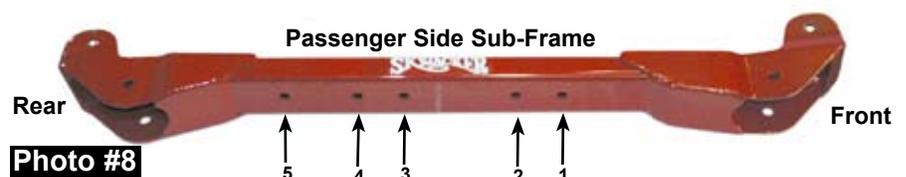
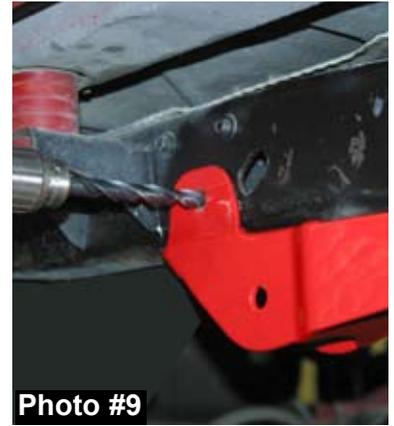
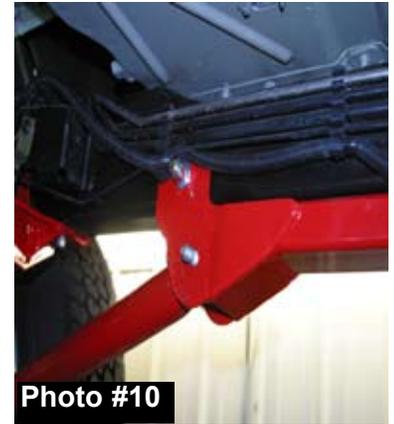


Photo #8

17. 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 # 9) Once Drilled, install the 1/2" x 4" fine thread bolt, washers, & nuts.



18. 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 & two bushings & sleeve into the eyelet 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 # 10)



19. 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 # 11) 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.

20. 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 # 12) **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.



21. Install the frame end of the new Skyjacker track bar by following the hardware pictured. (See Photos # 13 & 14) 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.

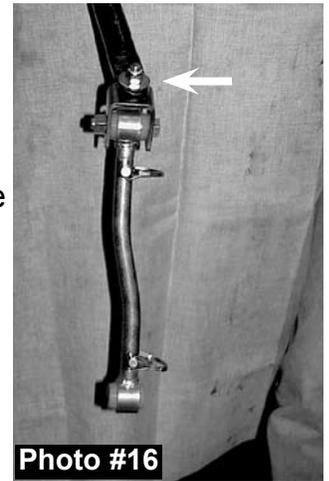


22. Install the steering stabilizer mounting stud in the hole of the drag link & upper mounting hole on the new Skyjacker track bar bracket. Install the provided 5/8 hourglass bushings into the new Skyjacker steering stabilizer & attach to the new Skyjacker studs. (See Photo # 15)



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

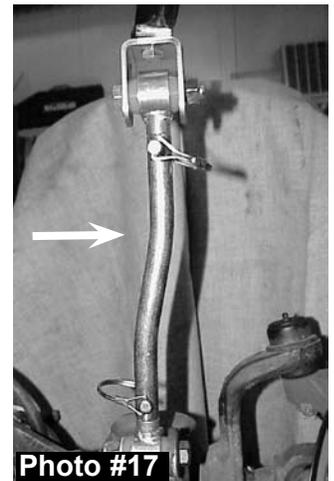
24. The new Skyjacker end link mounting bracket should be mounted to the bottom of the sway bar with the bolt pointing up through the sway bar & with the nut & washer applied on top. (See Photo # 16) Apply grease to the polyurethane bushings & insert them into the end link eyes along with the sleeve. 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 # 17)



25. 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 # 18)



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.



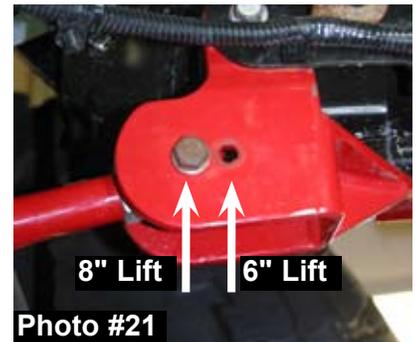
10. Drill a 1/2" hole through the hole in the driver's side of the new Skyjacker track bar bracket. Install the 1/2" x 1 1/4" bolt with washers on each side through the newly drilled hole & tighten with the self locking nut. Install the 5/16" x 1" fine thread bolt, washers, & nut into the forward hole of the new bracket. (See Photo # 19)



11. 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.

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

13. Install the new Skyjacker upper control arm relocating brackets. These brackets & control arms will install the same as the front. While still installing one at a time so that the axle does not roll.



Note: Some models may have a slight gap between the bottom of the new Skyjacker bracket & the frame on driver side. If this occurs, this gap can be taken up using the 1/4" plastic shim provided. Place the shim between the bracket & frame. Using a C-Clamp, pull the bracket & shim flush to the frame. (See Arrow in Photo # 20) Drill through the plastic shim & through the frame. Mount using the 3/8" x 1 1/4" thread cutter bolts provided.

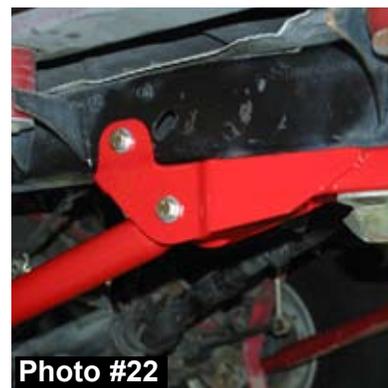
Note: The rear upper link brackets feature two mounting locations for the upper arms. When installing a Skyjacker 6" lift, use the forward hole in the bracket. (See Photo # 21)

14. Insert two step spacers into the rod end & two bushings & sleeve into the eyelet end of the new Skyjacker upper control arm. Install the new Skyjacker upper control arm with the rod end to the axle mount & the bushing end to the frame mount.

15. If the vehicle is equipped with an optional upper control arm eccentric cam bolt, they must be reused. Attach the OEM emergency brake bracket to the new Skyjacker upper control arm bracket using the plastic-tie provided.

16. 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.

17. 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 & two bushings & sleeve into the eyelet 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 # 22)



18. Install the rear brake line, rear coil springs, & shocks.

19. 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.

<u>TORQUE SPECIFICATIONS</u>					
<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 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.

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



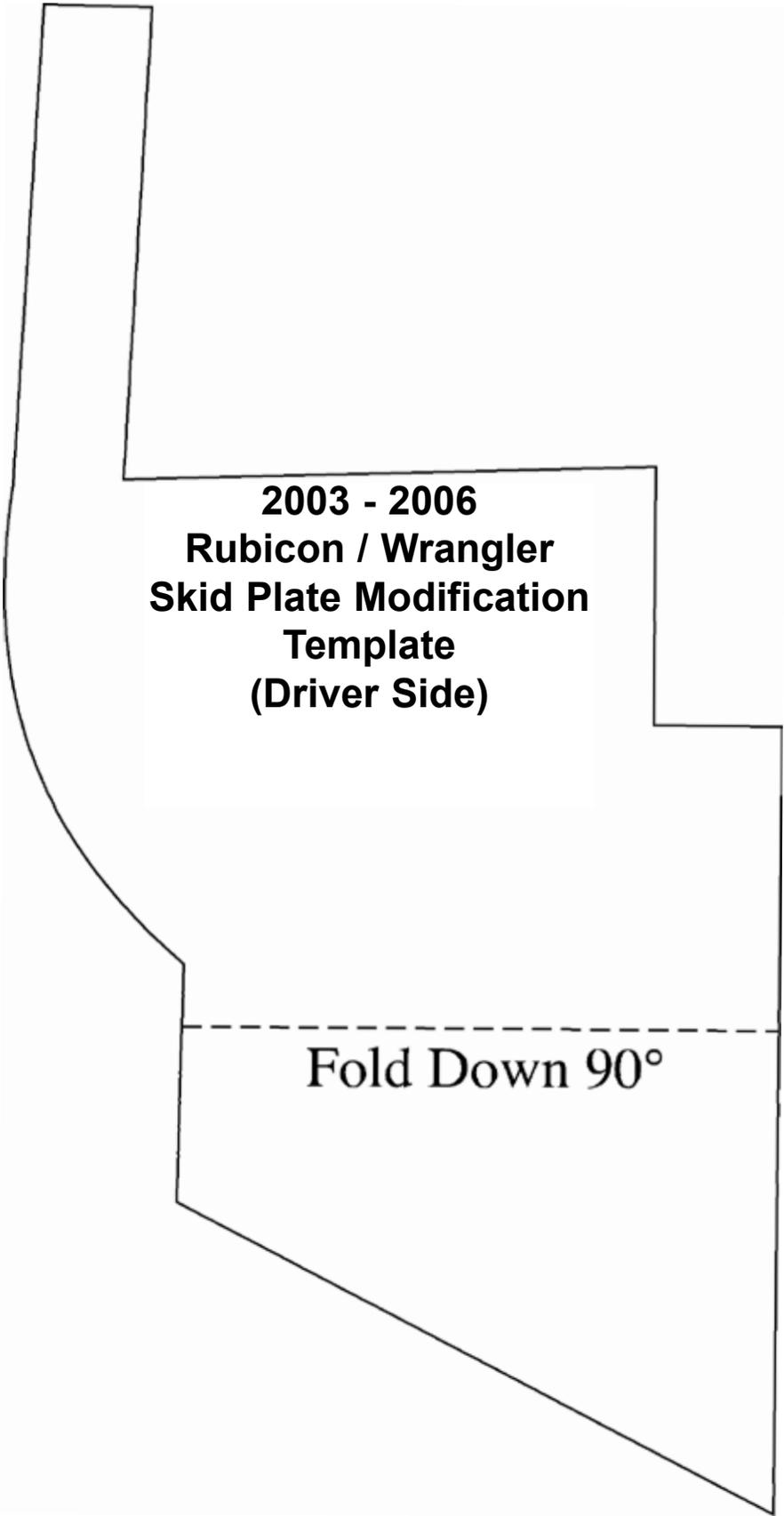
Photo #4

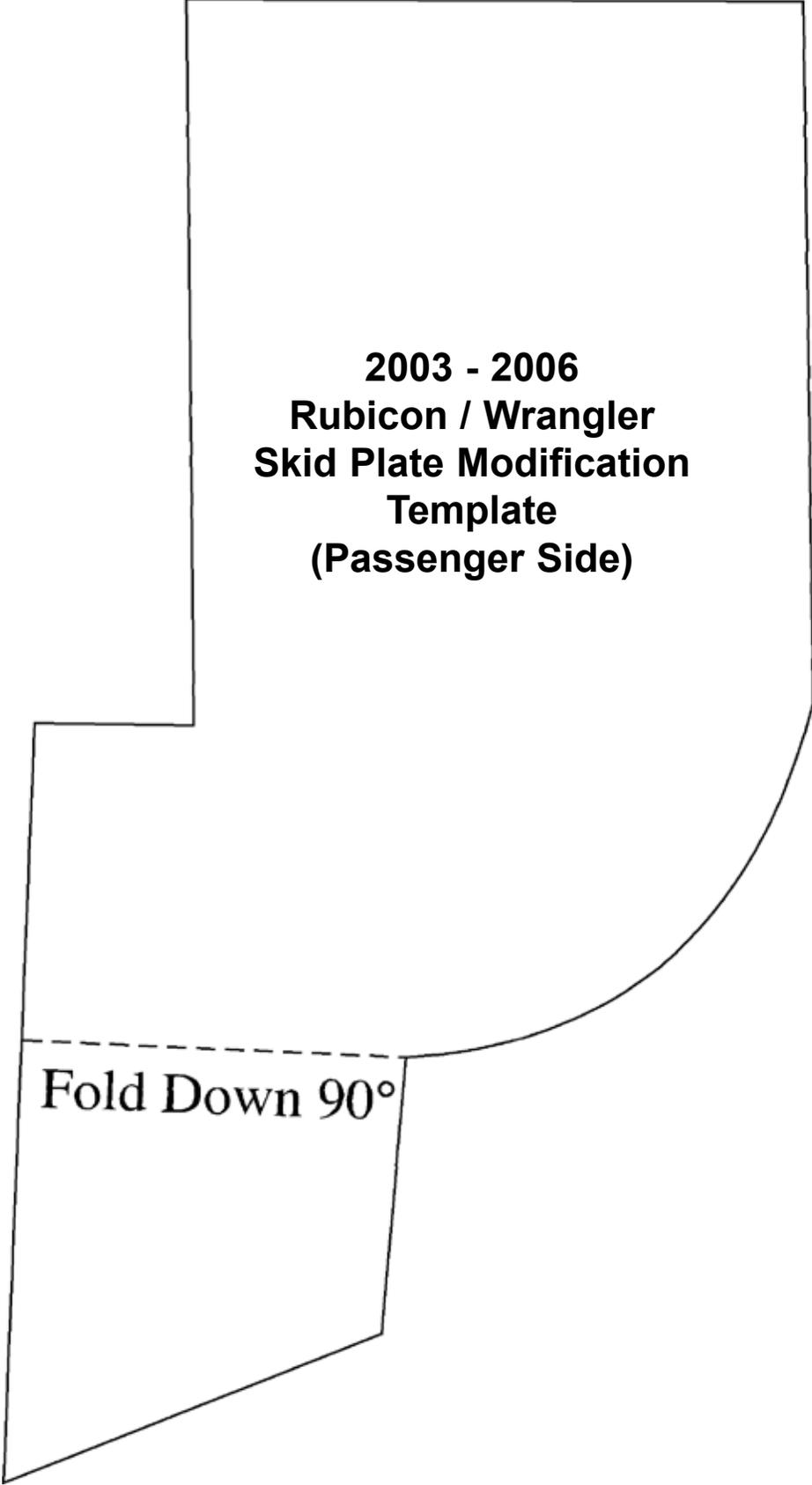


Photo #5



Photo #6





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

Fold Down 90°

SKYJACKER® SUSPENSIONS

Skyjacker® 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® 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® 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.
97-02 Models Part # SP28
03-06 Models Part # SP283



- Heavy-Duty Adjustable Rear Sway Bar
Part # RSBA410



Contact your distributor & get your Skyjacker® Jeep Accessories Today!!