

**Required Tools List:**

- Standard / Metric Wrenches and Sockets
- Floor Jack
- Jack Stands
- Assorted Drill Bits



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Before beginning the installation, read these instructions and the enclosed driver's WARNING NOTICE thoroughly and completely. Also affix the WARNING decal in passenger compartment in clear view of all occupants. If any of these items are missing from this instruction packet, do not proceed with installation, but call SKYJACKER® to obtain needed items. If you have any questions or reservations about installing this lift kit, call SKYJACKER® at 318-388-0816 for Technical Assistance or Customer Service departments.

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

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

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

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

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

**IMPORTANT NOTES:**

- **Draglink must be adjusted to center steering wheel before vehicle is driven. Failure to do so will cause computer errors, odd handling characteristics and poor performance.**
- **Replacement front and rear drive shafts recommended, contact Skyjacker for more info.**
- Please refer to Parts List to insure that all parts and hardware are received prior to disassembly of vehicle. If any parts are found to be missing, contact your dealer as soon as possible.
- After installation of Suspension Lift, A qualified alignment facility is required to re-align the vehicle to factory settings.

## Kit Box Breakdown:

### JK40LA:

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
JK40RBS-S	JK 4" REAR BUMP STOP BRKT	2
JKFTB-B	JK 4" FRONT TRK BAR BRKT	1
JK24RTB-B	JK 2-4" REAR TRK BAR BRKT	1
SBE126	DBL DISC END LINKS JEEP JK	1
SBE504	SWAY BAR LINK JEEP JK REAR	1
ABSS2535	BUMP STOP SPACER,3.5" TALL	2
HB-JK4BL	HDWR BAG:JK 4" BRK LINE BRK	1
HB-JK40	HDWR BAG/ JK 4"	1
JKBRC15	JK RR TRK BAR BRACE DANA 44	1

### Hardware Bag Breakdown:

#### HB-JK40

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
14X80MMB	14MM X 80 METRIC BOLT/ 10.9	1
14MMN	14MM NYLON INSERT LOCK NUT	1
12X114FTB	1/2 X 1 1/4 FINE THD BOLT	1
12SAEW	1/2 SAE WASHER	1
12FTN	1/2-20 FINE N/I LOCK NUT	1
38X4BHB	3/8 X 4 BUTTON HEAD BOLT	2
38SAEW	3/8 SAE WASHER	2
38CTN	3/8-16 COARSE N/I LOCK NUT	2
516X1FTB	5/16 X 1 FINE THRD BOLT	4
516SAEW	5/16 SAE WASHER	8
516FTN	5/16" FINE THRD N/I LOCKNUT	4
716X1FTB	7/16 X 1 BOLT,FINE THD GRD8	1
716X212FTB	7/16 X 2 1/2 FINE THRD BOLT	2
716SAEW	7/16 SAE WASHER	5
716FTN	7/16-20 FINE N/I LOCK NUT	3
916X3FTB	9/16 X 3 FINE THREAD BOLT	1
916SAEW	9/16 SAE WASHERS	5
916FTN	9/16-18 NYLON INSERT LOCKNU	2
CS1625	CRUSH SLEEVE JK24RTB	1
916X312FTB	9/16 X 3 1/2 FINE THRD BOLT	1

## Kit Box Breakdown:

### JK60LA:

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
BP50	BUMP STOP FOR WRANGLER-TJ	1
ABSS2535	BUMP STOP SPACER,3.5" TALL	2
JK40RBS-S	JK 4" REAR BUMP STOP BRKT	2
JKFTB6-B	JK FRT TRACK BAR BRKT 6-7"	1
JK6RTB-B	JK 6" REAR TRACK BAR BKT	1
SBE127	DBL DISC END LINKS 6" JK	1
SBE507	END LINKS 6" JK REAR	1
JKBL60	FRONT/REAR SET JK BRAKELINE	1
HB-JK60	HDWR BAG: 6" LONG ARM JK	1
JKBRC15	JK RR TRK BAR BRACE DANA 44	1

### Hardware Bag Breakdown:

#### HB-JK60

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
14X80MMB	14MM X 80 METRIC BOLT/ 10.9	1
14MMN	14MM NYLON INSERT LOCK NUT	1
38X4BHB	3/8 X 4 BUTTON HEAD BOLT	2
38SAEW	3/8 SAE WASHER	2
38FTN	3/8-24 FINE N/I LOCK NUT	2
12X114FTB	1/2 X 1 1/4 FINE THD BOLT	1
12FTN	1/2-20 FINE N/I LOCK NUT	1
12SAEW	1/2 SAE WASHER	1
516X1FTB	5/16 X 1 FINE THRD BOLT	4
516FTN	5/16" FINE THRD N/I LOCKNUT	4
516SAEW	5/16 SAE WASHER	8
716X212FTB	7/16 X 2 1/2 FINE THRD BOLT	2
716FTN	7/16-20 FINE N/I LOCK NUT	3
716SAEW	7/16 SAE WASHER	5
916X3FTB	9/16 X 3 FINE THREAD BOLT	1
916X312FTB	9/16 X 3 1/2 FINE THRD BOLT	1
916SAEW	9/16 SAE WASHERS	5
916FTN	9/16-18 NYLON INSERT LOCKNU	2
CS1625	CRUSH SLEEVE JKRTB	1
716X112FTB	7/16 X 1 1/2 FINE THRD BOLT	1

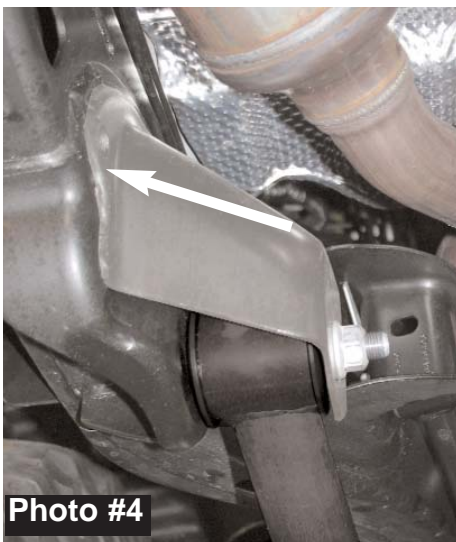
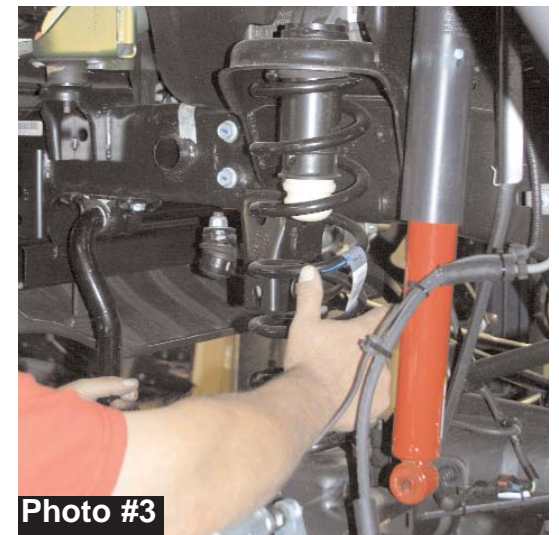
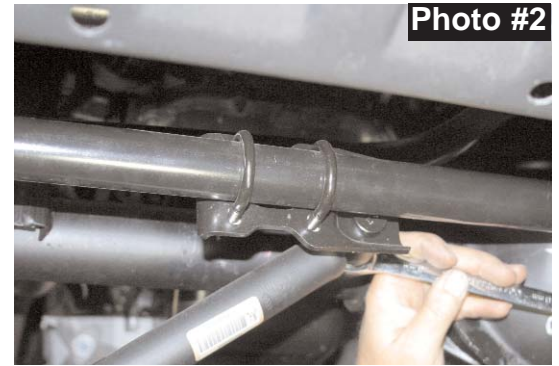
## Kit Box Breakdown:

### **JK46LA-SX:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
JKLL46FD-SX-L	JK 4-6" FRONT DRVR LONG ARM	1
JKLL46FP-SX-L	JK 4-6" FRONT PASS LONG ARM	1
JKLL46RD-SX-L	JK 4-6" REAR DRVR LONG ARM	1
JKLL46RP-SX-L	JK 4-6" REAR PASS LONG ARM	1
JKUL46F-SX-L	JK UPPER FRONT LINK 4-6"	2
JKUL46R-SX-L	JK 4-6" REAR UPPER LINK	2
RR114X1R	NG ROD END 1 1/4"RIGHT HAND	4
RR34X58R	NG ROD END 3/4" RIGHT HAND	4
114RFTJN	1 1/4" RIGHT HAND JAM NUT	4
34RFTJN	3/4" RIGHT HAND JAM NUT	4
RR114-14	ROD END BUSHING 14MM ID	8
JK46LAFLB-D	JK 4-6" LONG ARM F BKT-DRVR	1
JK46LAFLB-P	JK 4-6" LONG ARM F BKT-PASS	1
JK46LARLB-D	JK 4-6" LONG ARM R BKT-DRIV	1
JK46LARLB-P	JK 4-6" LONG ARM R BKT-PASS	1
HB-JK6FLB	HDWR BAG:JK 6"FRT LINK BRKT	1
HB-JK6RLB	HDWR BAG:JK 6"REAR LINK BRK	1
HB-JKULF-SX	HDWR BAG:JK UPPER FRT LINK	1
HB-LL175	HDWR BAG/ LWR LINK 1.75"ID	1
HB-JKULR-SX	HDWR BAG:JK UPPER REAR LINK	1
I-JK46LA-SX	INST SHEET: LONG ARM JK	1

## Front Installation:

1. Park the vehicle on flat, level ground and set emergency brake.
2. Raise the front of the vehicle and support frame rails using jack stands.
3. Disconnect the front sway bar end links using a 18mm socket. Disconnect front track bar using a 21mm socket. (See Photo #1)
4. If installing Skyjacker Steering Stabilizer Part# 7003, Remove factory steering stabilizer using 18mm socket. (See Photo #2)
5. Disconnect front shocks using a 18mm socket. Remove front tires/wheels and remove front coils. (See Photo #3) Remove front Shocks.
6. Locate the factory lower control arm mount on the frame. It will be necessary to modify these mounts to allow for installation of the Skyjacker Lower Control arm brackets. Remove factory automatic transmission skid plate. Remove lower control arm. (One at a time.)
7. See Arrow in Photo #4. Using a grinder, remove the weld attaching the inner mounting plate to the frame. All that will be left is the single mounting plate under the frame.
8. Using a transmission jack, support the rear of the transfer case. Disconnect the transmission from the factory cross member. Raise transmission/transfer case approx. 2". This will allow easier access around the exhaust to install new front control arm brackets.
8. Remove the inner most mounting bolt on the transmission cross member using a 18mm socket. (See Photo #5).
9. Place the factory cross member bolt through the back of the new bracket and install. (See Photo #6).





10. Install factory skid plate bolt that was removed in step #6. (See Photo #7).
11. Install the supplied 9/16 x 112 fine thread bolt, washers and nut @ the factory control arm position. (See Photo #8).
12. With all bolts tight, mark and drill the new location on the outside of the frame using a 1/2" drill bit. (See Photo #9) Once drilled, install 1/2 x 1 1/2" fine thread bolt, washers and nut. Note: It may be necessary to remove the lower bolt first to allow installation of the new outer frame bolt.  
*Note: The passenger side control arm can be installed along with the bracket. If not, it will be necessary to raise the transmission again later on to install the control arm.*
13. Locate new Skyjacker front bump stop. Place bump stop on the center of the bump stop pad located on the front axle. Mark and drill using a 25/64" drill bit. (See Photo #10). *On 6" kits, Remove upper factory bump stop and reinstall new Skyjacker Poly bump stop.*
14. Place bump stop in coil spring, and install coil spring. Attach bump stop to axle using the 3/8 X 4" button head bolts with one washer under the nut. (See Photo #11)
15. Locate the factory front track bar mount. Place the new Skyjacker relocation bracket inside the factory mount. Drill out the outer factory holes all the way through the rearward plate using a 7/16" drill bit. (See Photo #12) Attach the bracket at the outer two locations using the 7/16 x 2 1/2" fine thread bolts, washers and nuts. Attach bracket at the factory location using the factory bolt. Let the weight of the frame down on to the new coils. Attach track bar to new bracket using the 14x80mm bolt, washers and nut.
16. Re-Attach front drive shaft. Assemble new Sway bar end links using the 5/8" Hourglass bushings and steel sleeves. Attach eyes using the 1/4" snap pins. Attach end link to the axle using the factory hardware. Attach to the sway bar using the 1/2 x 2 1/2" button head bolt. Use one large USS washer under the nut. Re-Attach front Drive Shaft. (See Photo #13)

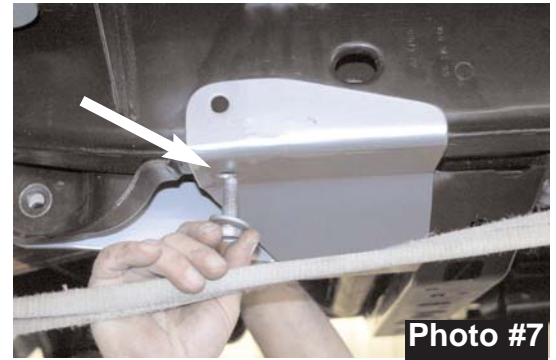


Photo #7

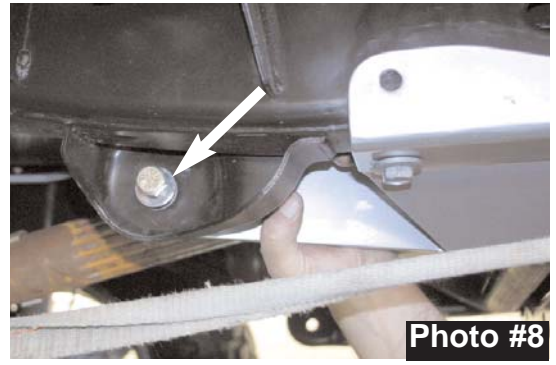


Photo #8



Photo #9



Photo #10

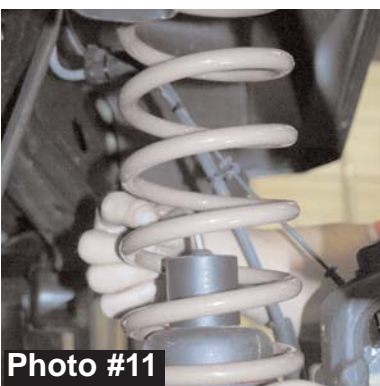


Photo #11



Photo #12

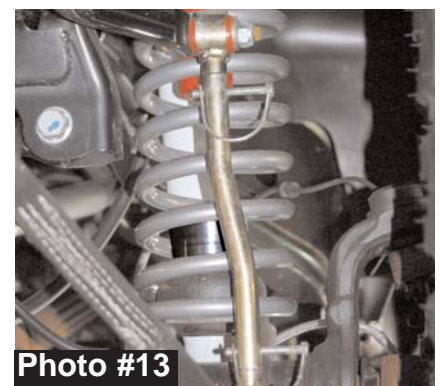


Photo #13

17. If installing Skyjacker Steering Stabilizer Part # 7003, install at this time. (See Photo Below).

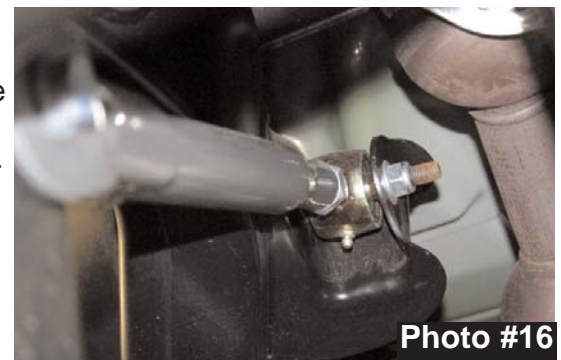


18. Locate new Skyjacker lower control arms. (Fronts are longer than the rear) Install the supplied poly bushings and sleeves. It is recommended to apply a thin coat of lithium grease to bushings and sleeves prior to installation. Be sure to install the 1/4" drive in zirk fittings. These are easily driven in with the use of a 1/4" socket. Install the supplied 1 1/4" Rod End and jam nut. Be sure to install the 14mm bolt inserts.



19. The recommended pre-set length of the lower control arms is 32" center to center mounting points. The final length will need to be set by a qualified alignment facility.

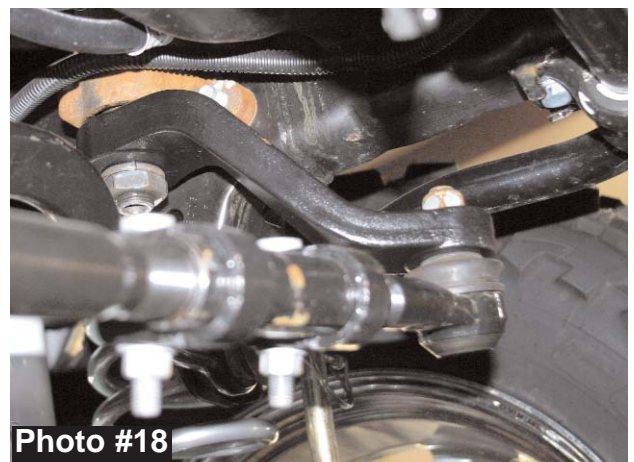
20. Install the lower control arms using the factory hardware. (See Photo #14 and #15). Once installed, tighten the jam nut. Be sure the once tightened that the Rod end sits square inside the mount. With lower arms installed, lower the transmission and re-attach to factory cross-member.



21. With lower control arms installed, remove the factory upper arms. It will be necessary to cut off the factory bolt at the frame due to it hitting the exhaust when trying to remove. Install the new upper arms using the same process as the lower. Install using the 12mm I.D. Bolt inserts. The recommended install length for the upper front arms is 19" center to center. Attach to the frame using the 12mm x 80mm bolts, washers and nuts. (See Photo #16)

22. 6" kits, Remove front factory brakelines and install new Skyjacker Stainless Steel Braided lines. Attach to the frame using the 90 degree brackets supplied. Attach using factory hardware. (See Photo #17) Install Skyjacker Front Shocks.

23. Disconnect drag link from factory pitman arm. Using a pitman arm puller, remove factory pitman arm from steering box. Reinstall Skyjacker Heavy Duty Pitman Arm. (See Photo #18)





Install tires and wheels. Lower vehicle to the ground.

### **Rear Installation:**

24. Raise rear end and properly support frame rails using jack stands. Remove rear shocks using 16mm socket. (See Photo #19)
25. Disconnect rear track bar bracket from the axle using 21mm socket. (See Photo #20). Disconnect rear sway bar end links using 18mm socket.
26. Disconnect ABS line from frame and disconnect brake line from frame. (See Photo #21) Lower axle down and remove factory rear coils.
27. Place Skyjacker rear Track Bar relocation bracket over factory bracket on the axle. With bracket seated flush, mark and drill the new center mounting holes using a 15/32" drill bit. (See Photo 22)
28. Install the supplied 7/16 x 1" fine thread bolt and fine thread nyloc nut. Use one 7/16" washer under the nut. (See Photo #24). Tighten nut at this time.
29. It will be necessary to drill through the driver side bottom of the OEM bracket and through the Skyjacker bracket. Drill using a 17/32" drill bit. Once drilled, install the supplied 1/2" x 1 1/4" fine thread bolt and nyloc nut. Use one washer under the bolt. Install the 9/16 x 3 1/2" bolt, washers and nut at the bottom location being sure to use the supplied crush sleeve. (See Arrow in Photo #24) Tighten all track bar bracket hardware at this time.
30. *6" Kits, Remove upper factory poly bump stops, install new Skyjacker Bump Stop. Install new Skyjacker Softride® rear coils.* (See Photo #25). Be sure to re-use the upper OE Rubber isolator pad.

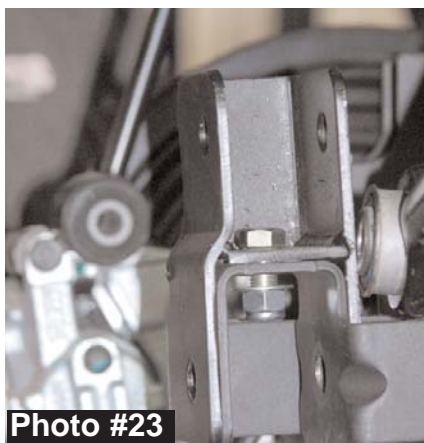
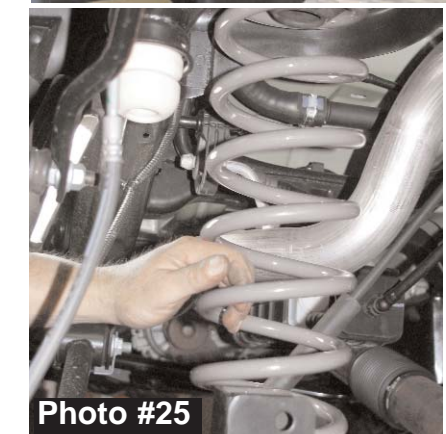
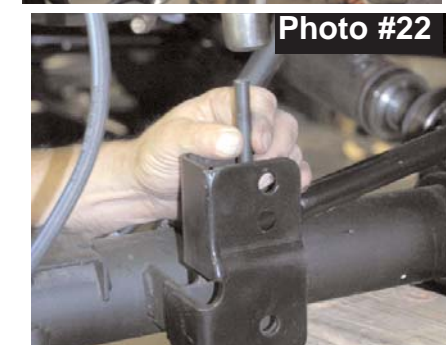
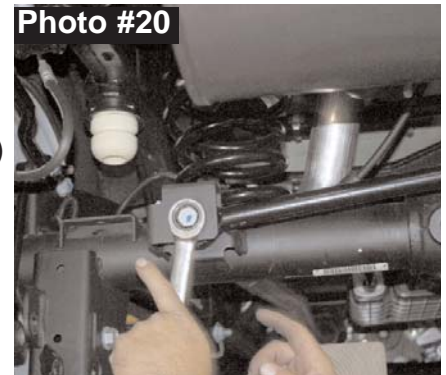
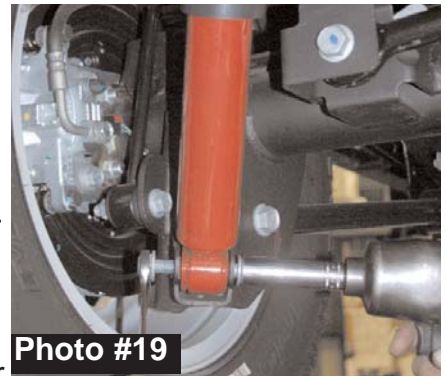


Photo #23

Photo #24

Photo #25



31. Attach new rear bump stops to the factory location on the axle using the 5/16 x 1" fine thread bolts, washers and nuts supplied. (See Photo #26) Be sure to install the bump stop so that the angled end is towards the rear.
32. Let weight on coil springs. Install new sway bar end links using the supplied 5/8" hourglass bushings and steel sleeves. Attach using the 1/2 x 2 1/2 button head bolts and nuts. One large USS washer will be used under the head of each bolt with the smaller SAE washer under the nut. (See Photo #26)
33. Attach track bar to new bracket using 9/16 x 3" fine thread bolt, washer and nut. See included track bar brace and instructions at this time. 4" kits, be sure to use the upper mounting location on the new bracket. One washer will be used under the head of the bolt. Be sure to install the bolt from the front side toward rear.
34. 6" Kits, *Remove factory rear brakelines and install new Skyjacker lines. Install using the 90 degree bracket supplied. Bracket will attach to OE location on frame using factory hardware.* (See Photo #27). 4" Kits will relocate the factory line on the frame using the brackets and 5/16" hardware supplied. Bent bracket will be used on the driver side.
35. Remove driver side lower control arm. Disconnect exhaust behind catalytic converter. It will be necessary to disconnect the exhaust hangers to allow for drilling of mounting hole inside frame rail.
36. Using a cut off wheel, cut the welds that attach the factory lower control arm brackets to the frame. (See Photo #28) Once removed, grind the frame smooth.
37. Locate new lower control arm mounts and crush sleeve. Install the crush sleeve @ the factory location in the frame. (See Photo #29)
38. Install new control arm bracket using the 1/2 x 4 1/2" fine thread bolt, washers and nut. (See Photo #30)
39. With bracket seated up flush against the frame rail, mark the front mounting locations on both the inside and outside of frame rail. (See Photo #31)

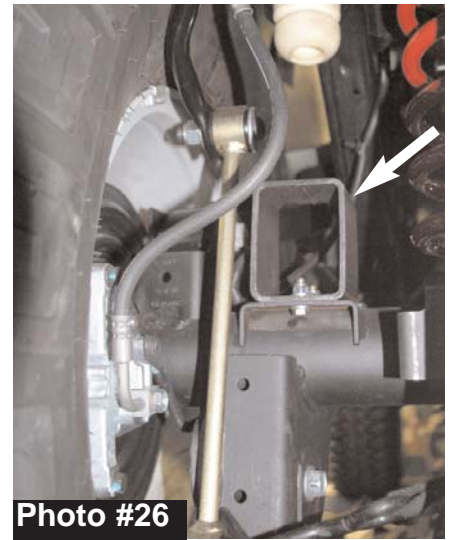


Photo #26

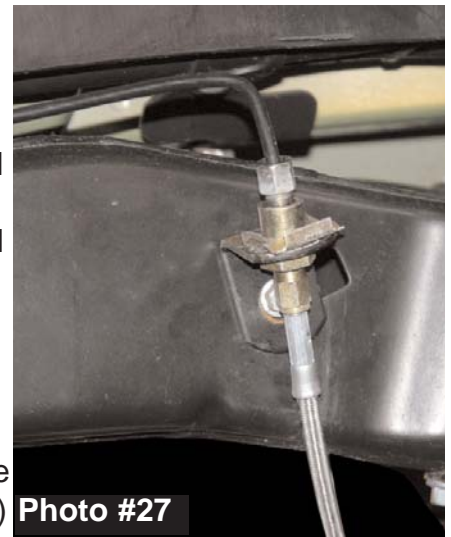


Photo #27



Photo #28



Photo #29



Photo #30



Photo #31

40. Lower bracket and drill mounting location from each side of frame rail using a 1/2" drill bit. (See Photo #32).
41. Once drilled install the supplied 1/2 x 4 1/2" fine thread bolt, washers and nut. (See Photo #33)
42. Repeat this process on the passenger side. It will be necessary to disconnect the drive shaft and remove the gas tank to allow access to the frame. Attach the passenger side bracket using the 1/2 x 4" counter sunk bolts. Bolts will install from the inside of the frame rail. (See Photo #34) Use one washer and a fine thread nut on the outside of the frame. Once installed, reinstall gas tank and drive shaft.
43. Install new lower control arms using the same process as the front arms. Adjust to 30" center to center .(See Photo #35).
44. Remove upper rear arms and install new Skyjacker arms. Adjust to 17 7/8" center to center. Be sure to install so that the offset bend is towards the inside. (See Photo #35).
45. Install new Tires/Wheels and shocks, lower vehicle to the ground. (See Photo #36).

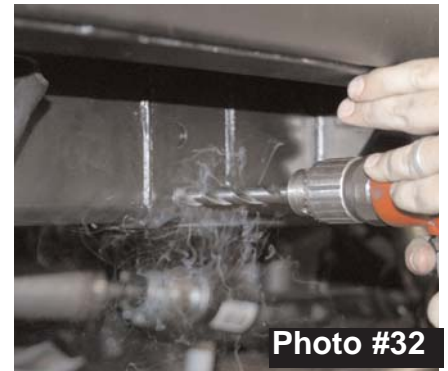


Photo #32



Photo #33

#### FINAL NOTES:

- \* **Draglink must be adjusted to center steering wheel before vehicle is driven. Failure to do so will cause computer errors, odd handling characteristics and poor performance.**
- \* After installation is complete, double check that all nuts and bolts are tight.
- \* Check to ensure there is adequate clearance between All rotating, mobile and fixed members. Check clearance between inner side wall of tires.
- \* Ensure there is adequate clearance between exhaust and brake lines, fuel lines, fuel tank, floor board, and wiring harnesses. Check steering gear for interference and proper working order. Inspect brake lines for damage and adequate clearance. Test brake system.
- \* With the vehicle on the floor, cycle steering lock to lock and inspect steering, suspension, drive line and brake line systems for proper operation, tightness and adequate clearance.
- \* Have headlights readjusted to proper settings.
- \* Front end realignment is necessary so have a qualified alignment center realign front end to factory specifications.



Photo #34



Photo #35



Photo #35

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