2009 - 2012 Ford F-150 4WD 4"- 6" Suspension Lift Installation Instructions

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REQUIRED TOOL LIST:

- **Safety Glasses**
- **Metric / Standard Wrenches & Sockets**
- **Hex Key Wrenches**
- **Hammer / Punch / Locking Pliers**
- **Floor Jack / Jack Stands**
- **Drill / Assorted Drill Bits**
- **Measuring Tape**
- **Torque Wrench**
- **Strut Spring Compressor**
- **Reciprocating Saw / Grinder**

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, contact 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:

- **OEM wheels can not be reused in the installation of this suspension lift. 20" diameter or larger wheels must be used to install this suspension lift.**
- **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 Ford dealer or an authorized dealer for details.**
- **After installation a qualified alignment facility is required to align the vehicle to factory specifications**.

Component Box Breakdown:

Part #: F9461A

Item #	Description	Qty
F946L	F946 LEFT STEER KNUCKLE	1
F946R	F946 RIGHT STEER KNUCKLE	1
F960FCM-B	F960 FRONT CROSSMEMBER	1
F960RCM-B	F960 REAR CROSSMEMBER	1
F960DDB-B	F960 DRIVER SIDE DIFF BRKT	1

Item #	Description	Qty
F960DRB-B	F960 DRIVER PINION SUP BRKT	1
F960PDB-B	F960 PASS SIDE DIFF BRACKET	1
F960SBL-P	F960 PASS SWAY BAR BRKT	1
HB-F946-KB	HDWR BG:F946 KNUCKLE BUSH	1

Hardware Bag Breakdown:

Part # HB-F946-KB

Item #	Description	Qty
1416-BSG	F946 KNUCKLE BUSHING	4

Item #	Description	Qty

Component Box Breakdown:

Part #: F9461B

Item #	Description	Qty
F946STS	09-10 FORD F-150 4WD STRUT	2
F960DSS-S	F960 FRT DRIVESHAFT SPACER	1
F960SKD-S	09 FORD F150 DIFF SKID PLATE	1
FBL48	FRONT BRAKE LINES	1
R3940S	ADD-A-LEAF 3.5-4" 09 F150	2
WS4320	SHIM KIT F150 4X4	1
916X318X912U	9/16 X 3 1/8 X 9 1/2 U-BOLT	4
HB-916	HDWR BG: 9/16" NYLON NUTS	1
HB-F946-SR	HDWR BG: F946 STRUT SPCRS	1

Item #	Description	Qty
HB-F960-BLE	HDWR BG: F960 BL EXT BRKT	1
HB-F960-CM	HDWR BG: F960 CROSSMBR	1
HB-F960-DB	HDWR BG: F960 DIFF BRKTS	1
HB-F960-DSS	HDWR BG: F960 DRVSHFT SPR	1
HB-F960-EC	HDWR BG: F960 E-BRK CABLE	1
HB-F960-SBL	HDWR BG: F960 SWAY BAR	1
HB-F960-SKD	HDWR BG: F960 DIFF SKID PLT	1
I-F946	INSTRUCTION SHEET: F946	1

Part #: F9461BS

Item #	Description	Qty
F946STS	09-10 FORD F-150 4WD STRUT	2
F960DSS-S	F960 FRT DRIVESHAFT SPACER	1
F960SKD-S	09 FORD F150 DIFF SKID PLATE	1
FBL48	FRONT BRAKE LINES	1
916X318X912U	9/16 X 3 1/8 X 9 1/2 U-BOLT	4
HB-916	HDWR BG: 9/16" NYLON NUTS	1
HB-F946-SR	HDWR BG: F946 STRUT SPCRS	1
HB-F960-BLE	HDWR BG: F960 BL EXT BRKT	1

Item #	Description	Qty
HB-F960-CM	HDWR BG: F960 CROSSMBR	1
HB-F960-DB	HDWR BG: F960 DIFF BRKTS	1
HB-F960-DSS	HDWR BG: F960 DRVSHFT SPR	1
HB-F960-EC	HDWR BG: F960 E-BRK CABLE	1
HB-F960-SBL	HDWR BG: F960 SWAY BAR	1
HB-F960-SKD	HDWR BG: F960 DIFF SKID PLT	1
I-F946	INSTRUCTION SHEET: F946	1

Note: The F9461BS component box will not contain the R3940S rear Add-A-Leafs or WS4320 rear degree shim kit.

Part # FBL48

Item #	Description	Qty
FBL48S	FRT BRK LINE,10MMFE,776-03P	2
3CCW	COPPER CRUSH WASHER, 3/8"	4

Item #	Description	Qty
HC1	HOSE/HORSESHOE CLIP	2
I-BL	INSTRUCTIONS: BRAKE LINES	1

Part # WS4320

Item #	Description	Qty
WS4320S-17/32	WS430S, 2 HOLES, 1.56"CTR	2
1204S	1/2 X 4 TIE BOLT W/NUT	4

Item #	Description	Qty
12TBN	1/2" TIE BOLT NUT	4

Hardware Bag Breakdown:

Part # HB-916

Item #	Description	Qty
916FTN	9/16-18 NYLON INSERT LOCKNU	8

Item #	Description	Qty

Part # HB-916

Item #	Description	Qty
916FTN	9/16-18 NYLON INSERT LOCKNU	8

Item #	Description	Qty

Part # HB-F946-SR

Item #	Description	Qty
F964ST-SP1	.467" STRUT SPACER RING	4

Item #	Description	Qty
F964ST-SP6	09 FORD F150 STRUT BUMP/ST	2

Part # HB-F960-BLE

Item #	Description	Qty
DVL10	FORD VAC/BRAKE BKT-FLAT	1
14X1FTB	1/4 X 1 FINE THD BOLT G8	1
14FTN	1/4-28 FINE N/I LOCK NUT	1
14SAEW	1/4 SAE WASHER	2

Item #	Description	Qty
VT53224	VACUUM TUBING 5/32" X 24" L	2
VT76424	VACUUM TUBING 7/64" X 24" L	2
BTIE-K	BLACK BOOT TIE	10

Part # HB-F960-CM

Item #	Description	Qty
18X160MMB	18MM X 160MM - 2.5 TP BOLT	2
18X150MMB	18MM X 150MM BOLT/ 10.9	2
18X50MMB	18MM X 50MM - 2.5 TP BOLT	2
34SAEW	3/4 SAE WASHER	12
18MMN	18MM-2.5TPI NYLON LOCKNUT	6

Item #	Description	Qty
12X112FTB	1/2 X 1 1/2 FINE THRD BOLT	4
12X2FTB	1/2 X 2 FINE THREAD BOLT	2
12SAEW	1/2 SAE WASHER	12
12FTN	1/2-20 FINE N/I LOCK NUT	6
CS8125	F960 REAR X-MEMBER SLEEVE	2

Part # HB-F960-DB

Item #	Description	Qty
14X90MMB	14MM X 90MM - 2.0 TP BOLT	3
14MMN	14MM NYLON LOCK NUT	3

Item #	Description	Qty
916SAEW	9/16 SAE WASHERS	2

Part # HB-F960-DSS

Item #	Description	Qty
10X80SHB	10 X 80MM SOCKET HEAD BOLT	6

Item #	Description	Qty
LT100	NUTS N' BOLTS 427 1 ML TUBE	1

Part # HB-F960-EC

Item #	Description	Qty
F960ECB	F960 EMERGENCY BRAKE BRKT	1
F960ECE	F960 EMERGENCY CABLE EXT	1
12X112FTB	1/2 X 1 1/2 FINE THRD BOLT	1
12FTN	1/2-20 FINE N/I LOCK NUT	1

Item #	Description	Qty
12SAEW	1/2 SAE WASHER	2
38X114FTB	3/8 X 1 1/4 FINE THD/GRD 8	1
38FTN	3/8-24 FINE N/I LOCK NUT	1
38SAEW	3/8 SAE WASHER	2

Part # HB-F960-SBL

Item #	Description	Qty
716X112FTB	7/16 X 1 1/2 FINE THRD BOLT	2
716FTN	7/16-20 FINE N/I LOCK NUT	2

Item #	Description	Qty
716SAEW	7/16 SAE WASHER	4

Part # HB-F960-SKD

Item #	Description	Qty
516X1FTB	5/16 X 1 FINE THRD BOLT	4
516FTN	5/16" FINE THRD N/I LOCKNUT	4

Item #	Description	Qty
516SAEW	5/16 SAE WASHER	8

Front Installation:

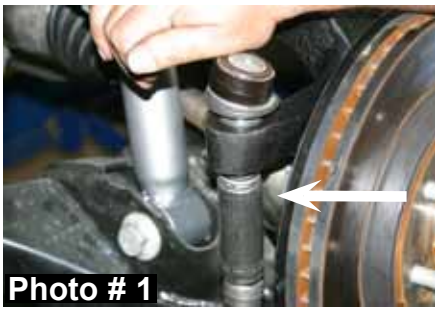
Photo # 1

Photo # 2

Photo # 3

1. With the vehicle on flat level ground, set the emergency brake & block the rear tires.

2. Place a floor jack under the lower control arm's front crossmember & raise the vehicle. Place jack stands under the frame rails, behind the front wheel wells & lower the frame of the vehicle onto the jack stands.

3. Remove the front tires / wheels.

4. Remove the tie rod end from the steering knuckle using a 21mm socket & tie rod remover or other suitable tool. (See Photo # 1)

5. Remove the brake line bracket & brake caliper mounting bolts from the steering knuckle. Remove the brake caliper assembly & simply wire the caliper out of the way. It will not be necessary to disconnect the brake line from the brake caliper at this time.

6. Remove the brake rotor & remove the disc brake shield by removing the three bolts using a 8mm socket. (See Photo # 2)

7. Remove the ABS sensor & ABS sensor bracket from the steering knuckle using a 5mm hex key & 8mm socket. (See Photo # 3)

8. Remove the intergrated vaccum lines from the 4WD actuator & the upper frame connection.

9. Remove the CV-shaft nut from the center of the hub assembly using a 13mm socket. (See Photo # 4)

10. Remove the upper sway bar end link nuts using a 18mm socket. Remove the sway bar & sway bar mounting brackets from the frame using a 15mm socket.

11. Remove the three upper strut retaining nuts using a 15mm socket. (See Photo # 5)

12. Remove the upper & lower ball joints from the steering knuckle using a 1", 22mm socket, & ball joint remover or other suitable tool.

13. Remove the OEM steering knuckle. Once removed, remove the three 4WD actuator bolts & the four hub bearing assembly bolts from the OEM knuckle using a 8mm & 18mm socket. (See Photo # 6 & # 7)

14. Remove the lower strut mount bolt from the lower A-arm using a 1 1/16" & 1 3/16" socket. Once removed, remove the strut assembly.

15. Remove the front & rear lower A-arm bolts using a 21mm & 1 1/6" socket. Once removed, remove the lower A-arm.

16. Remove the four rear cross member frame connecting bolts using a 15mm socket & remove the rear cross member. (See Photo # 8)

17. Mark the position of the front differential flange & drive shaft flange. **Note:** These marks will be realigned during reassembly. Remove the six front drive shaft mounting bolts from the front differential using a 10mm socket. It will not be necessary to remove the drive shaft from the transfer case. Simply wire it out of the way.

18. Support the front differential with a transmission jack & remove the differential mounting bolts using a 18mm & 21mm socket. There are two on the driver side (Front & Rear) & one on the passenger side. Once these bolts are removed, lower the front differential out of the vehicle.

Photo # 4

Photo # 5

Photo # 6

Photo # 7

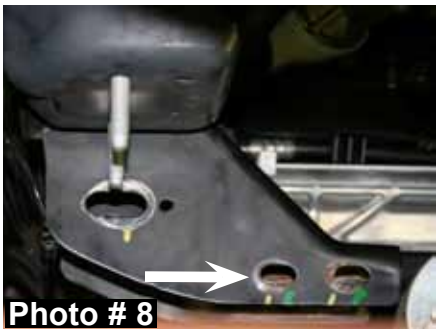
Photo # 8

19. It will now be necessary to cut the rear cross member for differential clearance when the lift is installed. Locate the driver side rear cross member bracket, measure from the top of the slotted hole of the OEM bracket up 3" & draw a straight line along the front outer edge of the bracket. This process will need to be completed on the rear side of the bracket as well. (See Photo # 9) Connect the two lines drawn on the front & rear sides of the bracket in order to have a single cutting reference line. Cut along the drawn line using a grinder or reciprocating saw. Refer to the picture provided for an example of what the bracket will look like once cut. (See Photo # 10)

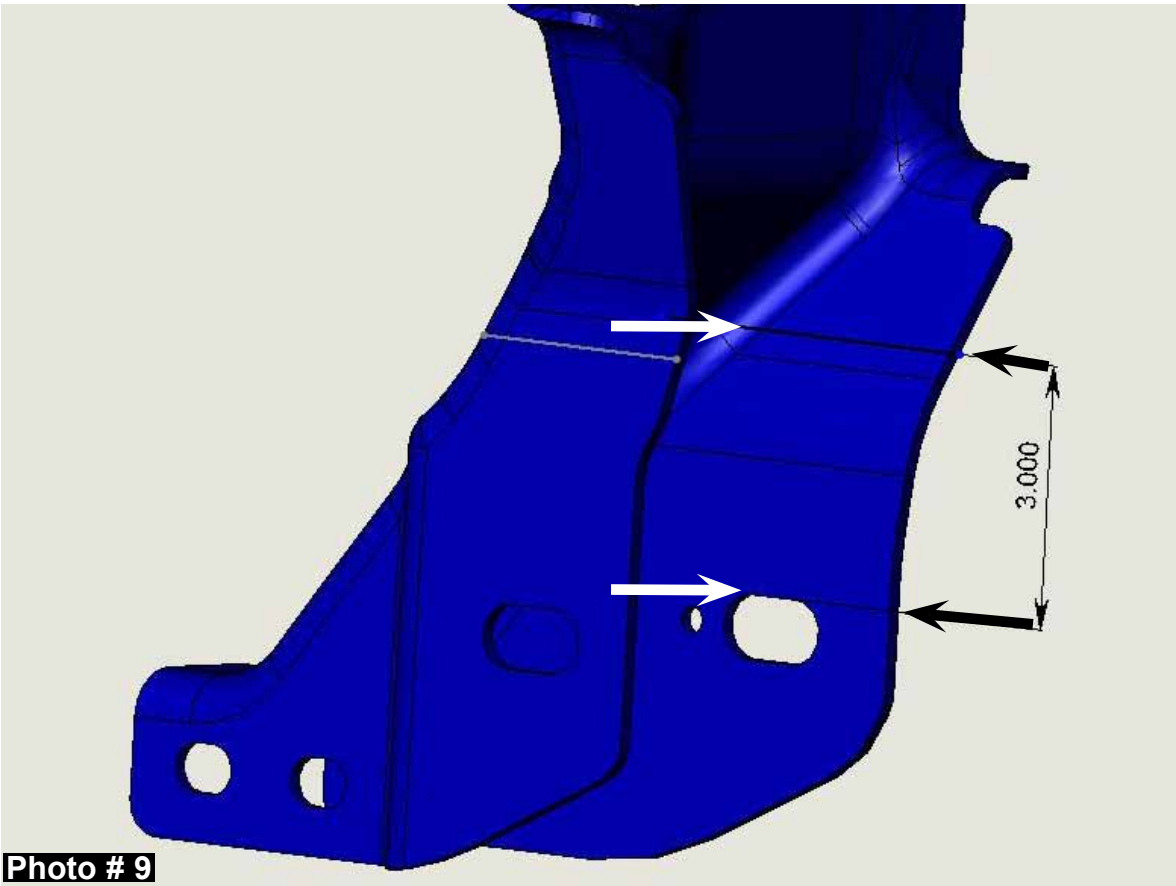

Photo # 9

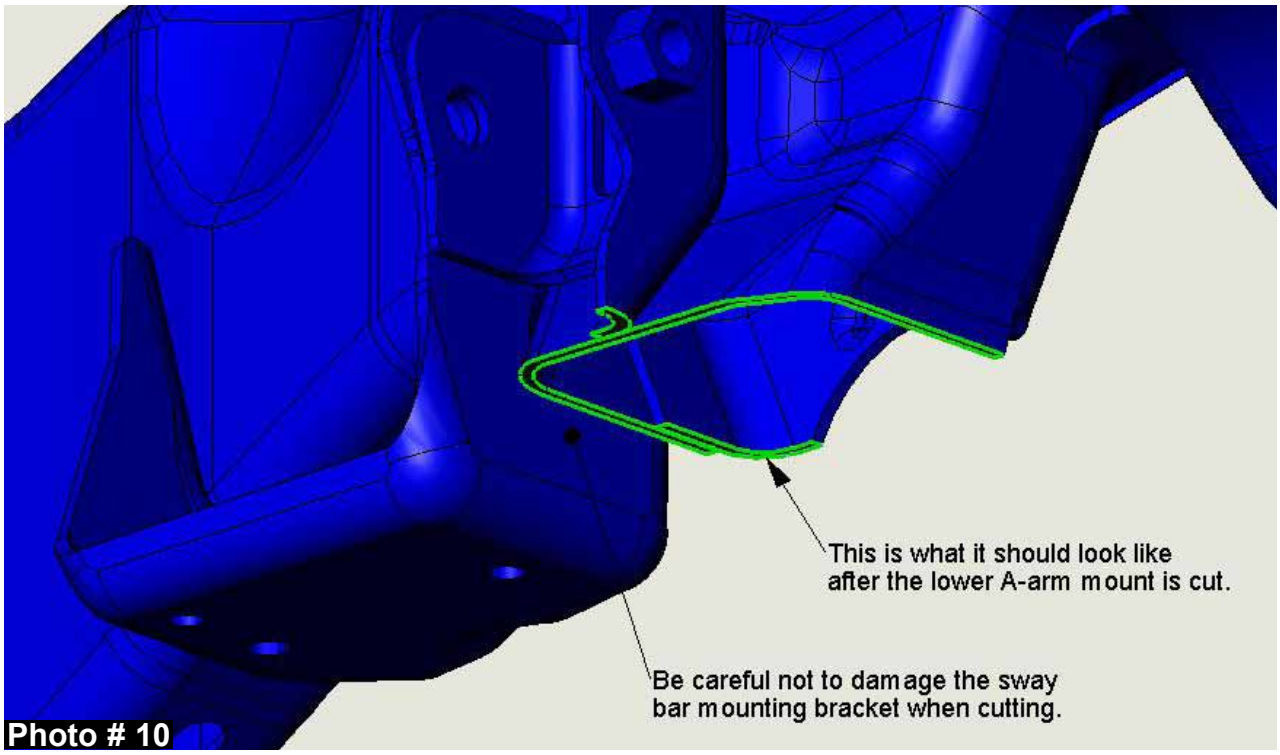

Photo # 10

20. Drill the two OEM sway bar mounting bracket holes located on the driver side frame using a drill & 1/2" drill bit. (See Photo # 11)

21. Install the new Skyjacker driver side (Part # F960DDB-B) & passenger side (Part # F960PDB-B) front differential brackets in the OEM location with the offset of the brackets facing toward the front of the vehicle, using the OEM hardware & 18mm wrench. **Do not tighten at this time.** (See Photo # 12)

22. Support the front differential with a transmission jack & install the front differential. Install the two 14mm x 90mm bolts, two 9/16" washers, & two 14mm nuts in the lower mounting location of the new Skyjacker driver & passenger side front differential brackets using a 21mm socket & 22mm wrench. **Note:** The 9/16" washers are to be installed on the hex head side of the 14mm x 90mm bolts. **Do not tighten at this time.** (See Photo # 13 & 14)

23. Install the new Skyjacker driver side rear differential bracket in the OEM location with the flat side of the bracket facing toward the front of the vehicle, using the OEM hardware & 21mm wrench. **Do not tighten at this time.** (See Photo # 15)

Photo # 11

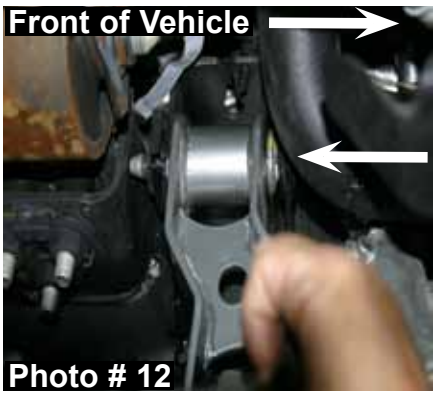

Photo # 12

Photo # 13

Photo # 14

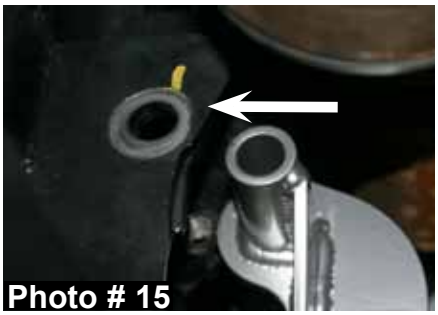
Photo # 15

24. Install the new Skyjacker rear cross member, with the driver side intergrated sway bar lowering bracket facing toward the rear of the vehicle. Install the two 18 x 50mm bolts, four 3/4" washers, & two 18mm nuts in the passenger side upper two holes of the rear cross member using a 1 1/6" socket & wrench. **Do not tighten at this time.** (See Photo # 16)

25. Install the two 1/2" x 1 1/2" bolts, four 1/2" washers, & two 1/2" nuts in the two holes of the intergrated sway bar lowering bracket using a 3/4" socket & wrench. **Do not tighten at this time.** (See Photo # 17)

26. Install the 14mm x 90mm bolt & 14mm nut in the lower mounting hole of the new Skyjacker driver side rear differential bracket & rear cross member using a 21mm socket & 22mm wrench. **Do not tighten at this time.** (See Photo # 18)

27. Install the two 1/2" x 1 1/2" bolts, four 1/2" washers, & two 1/2" nuts in the two rear holes of the passenger side OEM cross member bracket & new Skyjacker cross member using a 3/4" socket & wrench. **Do not tighten at this time.**

28. Install the two 13/16" long crush sleeves, two 1/2" x 2" bolts, four 1/2" washers, & two 1/2" nuts in the two front holes of the passenger side OEM cross member bracket & new Skyjacker cross member using a 3/4" socket & wrench. **Do not tighten at this time.** (See Photo # 19)

29. Tighten the two 1/2" x 1 1/2" bolts & two 1/2" nuts located on the intergrated sway bar lowering bracket using a 3/4" socket & wrench.

30. Tighten the two 18mm x 50mm bolts & two 18mm nuts in the passenger side upper rear cross member using a 1 1/6" socket & wrench.

31. Tighten the two 1/2" x 1 1/2" bolts, two 1/2" x 2" bolts & four 1/2" nuts of the front & rear passenger side OEM cross member bracket & new Skyjacker cross member using a 3/4" socket & wrench.

32. Tighten the 14mm x 90mm bolt, 14mm nut, & OEM bolt on the upper & lower mounting locations of the new Skyjacker driver side rear differential bracket & rear cross member using a 21mm socket & 22mm wrench.

33. Tighten the two 14mm x 90mm bolts, two 14mm nuts, OEM hardware on the upper & lower mounting locations of the new Skyjacker driver & passenger side front differential brackets using a 21mm socket, 18mm, & 22mm wrench. (See Photo # 20)

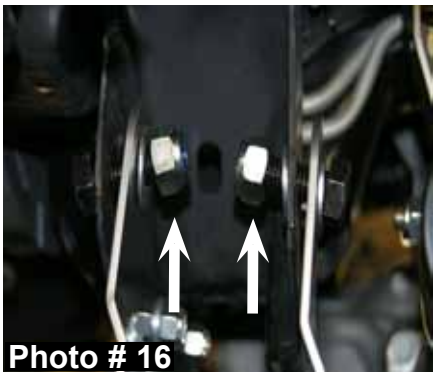
Photo # 16

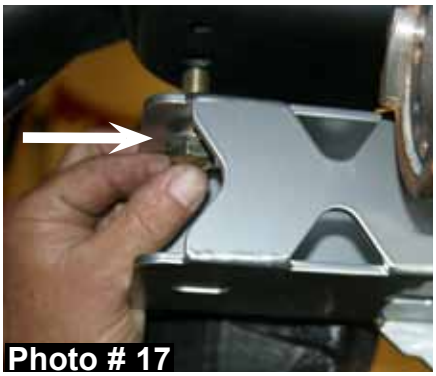
Photo # 17

Photo # 18

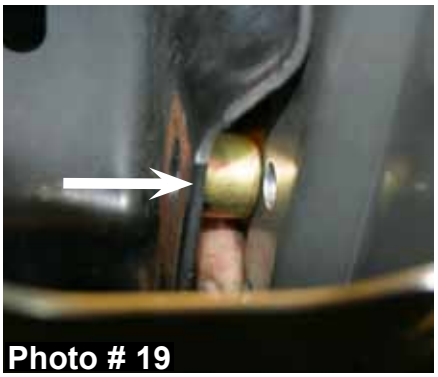
Photo # 19

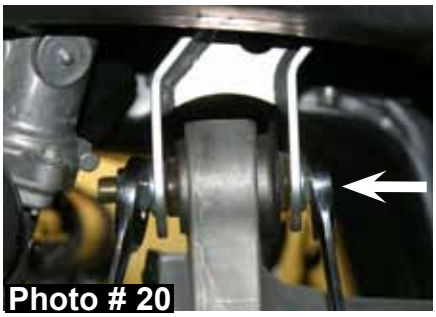
Photo # 20

34. Install the new Skyjacker front cross member with the offset facing toward the front of the vehicle. Install the OEM hardware in the upper two holes of the new Skyjacker cross member using a 21mm & 1 1/6" socket. (See Photo # 21)

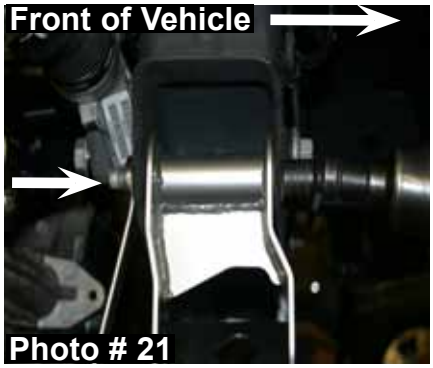

Photo # 21

35. Install the two 18mm x 160mm bolts, four 3/4" washers, & two 18mm nuts on the the lower front cross member mounts & lower A-arms using a 21mm & 1 1/6" socket. (See Photo # 22) Install the two 18mm x 150mm bolts, four 3/4" washers, & two 18mm nuts on the the lower rear cross member mounts & lower A-arms using a 21mm & 1 1/6" socket. (See Photo # 23)

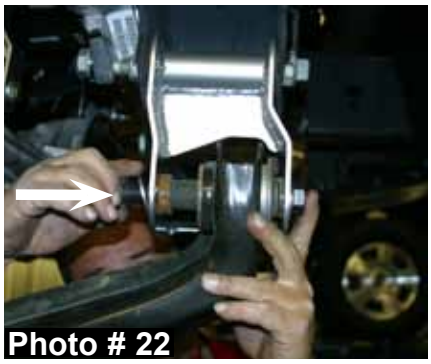
Photo # 22

36. For upper strut mount alignment purposes, mark the location of the upper strut mount & coil spring prior to disassembly. Using a strut spring compressor, compress the coil spring of the OEM strut assembly. Remove the upper strut retaining nut & upper strut mount using a 17mm socket. Once removed, remove the strut from the coil spring. (See Photo # 24)

37. **4" Lift:** At the upper hex portion of the shaft, rotate the shaft of the new Skyjacker strut assembly counter clockwise in order to unlock & extend the shaft of the new Skyjacker strut assembly. Assemble the new Skyjacker strut assembly by installing the new Skyjacker coil spring seat, new Skyjacker coil spring pad, & OEM bump stop on the new strut. (See Photo # 25) **Note:** One of the new Skyjacker coil seat spacer rings (Part # F964ST-SP1) can be installed below the new Skyjacker coil spring seat of each strut, if aftermarket accessories have been added that weigh the front of the vehicle down (ie. winch, after market bumper, & etc).

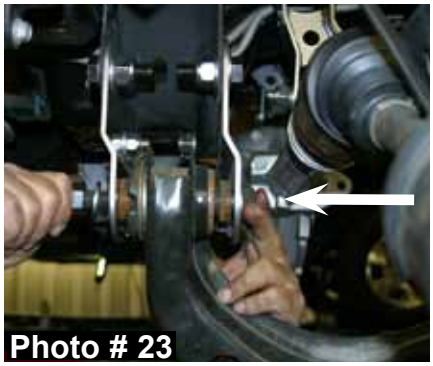
Photo # 23

38. **6" Lift:** At the upper hex portion of the shaft, rotate the shaft of the new Skyjacker strut assembly counter clockwise in order to unlock & extend the shaft of the new Skyjacker strut assembly. Assemble the new Skyjacker strut by installing two of the new Skyjacker coil seat spacer rings (Part # F964ST-SP1), new Skyjacker coil spring seat, new Skyjacker coil spring pad, new Skyjacker bump stop spacer (Part # F964ST-SP6), & OEM bump stop on the new Skyjacker strut. (See Photo # 26) **Note:** This Skyjacker lift kit comes equipped with quantity four of the Skyjacker coil seat spacer rings. However, three of the new Skyjacker coil seat spacer rings (Part # F964ST-SP1) can be installed below the new Skyjacker coil spring seat of each strut, if aftermarket accessories have been added that weigh the front of the vehicle down (ie. winch, after market bumper, & etc).

Photo # 24

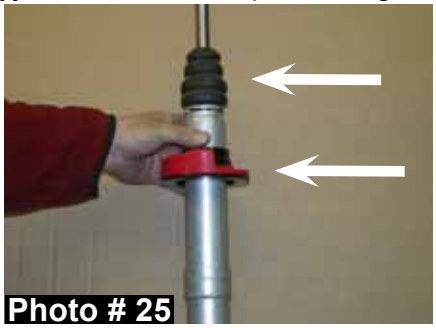
Photo # 25

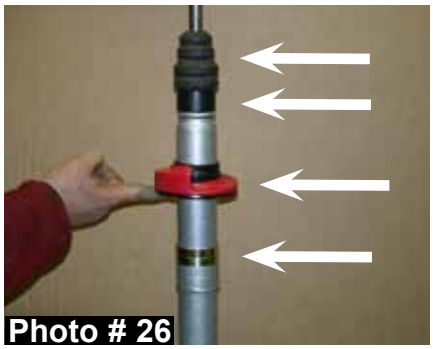
Photo # 26

If needed, an additional pair of Skyjacker coil seat spacer rings can be purchased separately (Part # STSP1).**Once the coil spring seat spacer rings have been installed check all suspension components for any contact orinterference. If suspension component contact or interference is present, lower the coil spring seat by removing a coil spring seat spacer ring until no contact or interference is present.**

Photo # 27

39. Insert the new Skyjacker strut through the OEM coil spring & install the OEM upper strut mount aligning the marks made in Step # 36 above. Tighten the supplied retaining nut using a 19mm socket & uncompress the coil spring.

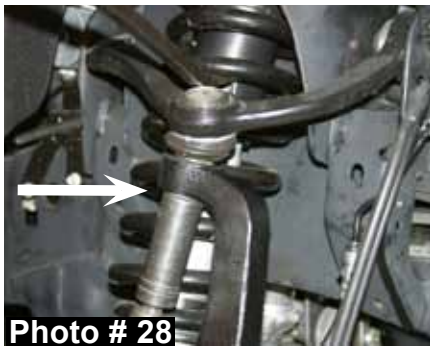
Photo # 28

40. Install the hub bearing assembly to the new Skyjacker steering knuckle using the OEM hardware. Apply thread lock to the threads of each bolt & tighten using a 18mm socket. **Note:** Make sure that the ABS sensor connection is pointing upward. (See Photo # 7)

41. Install the 4WD actuator using the OEM hardware & 8mm socket. **Note:** Make sure that the hose connections are pointing upward. (See Photo # 6)

42. Install the new Skyjacker steering knuckle to the lower A-arm ball joint using a 1" socket.

43. Install the strut assembly by aligning the three upper strut mount studs with the OEM mounting location holes using the OEM hardware & a 15mm socket. (See Photo # 27)

44. Install the lower strut mount using the OEM hardware.

45. Install the CV-shaft using a 13mm socket & install the upper ball joint to the new Skyjacker steering knuckle using a 22mm socket. **Note:** It may be necessary to use a jack to raise the lower A-arm in order to install the upper ball joint. (See Photo # 28)

46. Install the ABS sensor & ABS sensor bracket to the new Skyjacker steering knuckle using the OEM hardware, 5mm hex key, 8mm socket, & supplied plastic tie. (See Photo # 3)

47. Install the 7/64" & 5/32" vaccum lines for the 4WD actuator & upper frame connection using the supplied plastic ties.

48. Remove the OEM brakeline by removing the OEM clip & using a 13mm & 16mm wrench to disconnect the OEM flex line from the OEM hard line at the frame. Use a 14mm wrench to disconnect the OEM flex line banjo bolt from the brake caliper.

49. Install the new Skyjacker flex line by connecting the upper hard line to the new Skyjacker flex line using a 13mm & 16mm wrench & installing the supplied clip. Connect the banjo fitting to the brake caliper using a 14mm wrench.

50. Remove the OEM flex line from its bracket by prying open the bracket & attach this OEM bracket to the new Skyjacker flex line. (See Photo # 29)

51. Install the disc brake shield using the OEM hardware & 8mm socket. **Note:** Some models may require the inside edge of the disc brake shield to be ground in order for the disc brake shield to fit flush to the new Skyjacker steering knuckle. (See Photo # 30)

52. Install the OEM brake rotor, brake line bracket & brake caliper assembly using the OEM hardware. **Note:** If the OEM brake caliper mounting hardware is 14mm, place the supplied (two per side) reducer bushings (Part # 1416-BSG) in the brake caliper mounting locations of the new Skyjacker steering knuckle before installing the OEM 14mm hardware. (See Photo # 31)

53. Install the tie rod to the new Skyjacker steering knuckle using the OEM hardware & 21mm socket. (See Photo # 1)

54. Using two 7/16" x 1 1/2" bolts, four 7/16" washers, two 7/16" nuts, 5/8" socket, & 5/8" wrench, install the sway bar drop bracket on the passenger side frame of the vehicle. (See Photo # 32)

55. Install the sway bar to the sway bar lowering brackets & install the upper end link nuts using the OEM hardware, 15mm, & 18mm socket (See Photo # 33)

56. Install the new Skyjacker front drive shaft spacer with the male side facing the differential using the six 10mm x 80mm socket head bolts, OEM retaining rings, & 8mm hex key. **Note:** Apply thread lock to the threads of these bolts & be sure to align the previously made marks on the front differential flange & drive shaft flange. (See Photo # 34)

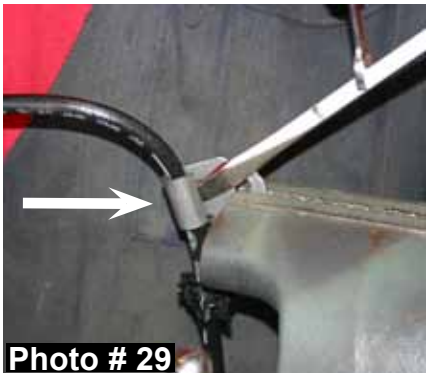
Photo # 29

Photo # 30

Photo # 31

Photo # 32

Photo # 34

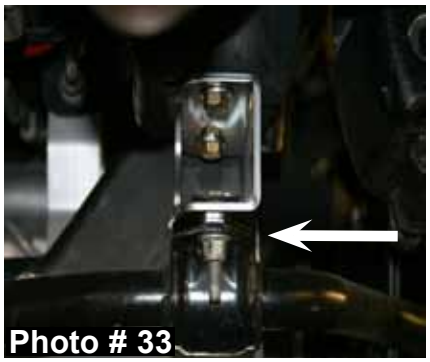
Photo # 33

57. Hold the new Skyjacker front differential skid plate in place with the mounting holes of the skid plate facing the rear of the front & rear cross members. Using a hammer & punch, mark the four mounting hole locations. Drill the marked mounting location holes, using a drill & 5/16" drill bit. Using the four 5/16" x 1" bolts, eight 5/16" washers, four 5/16" nuts, 1/2" wrench, & 1/2" socket, install the front differential skid plate. (See Photo # 35 & 36)

Photo # 35

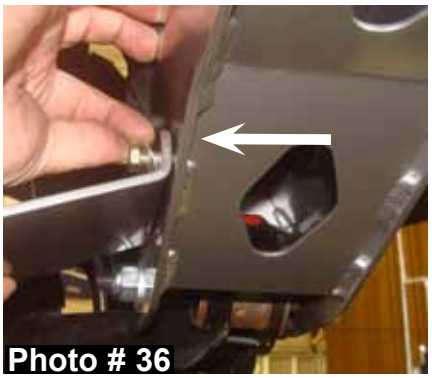
Photo # 36

Rear Installation:

1. With the vehicle on flat level ground, set the emergency brake & block the front tires.

2. Place a floor jack under the vehicle & raise the vehicle. Place the jack stands under the frame rails & lower the frame of the vehicle onto the jack stands.

3. Remove the rear tires / wheels.

4. Remove the E-brake cable from the cable union & remove the E-brake cable from the driver side OEM bracket. Remove the passenger side E-brake cable & relocate above the rear leaf spring.

5. Install the new Skyjacker E-brake relocation bracket using the 3/8" x 1 1/4" bolt, two 3/8" washers, 3/8" nut, 1/2" x 1 1/2" bolt, two 1/2" washers, 1/2" nut, drill, & 3/8" drill bit. Install the relocation bracket to the OEM upper hole using the 1/2" hardware. Using the new Skyjacker E-brake relocation bracket as a guide, drill a 3/8" hole just below the OEM upper hole & install the 3/8" hardware. (See Photo # 37)

6. Install the driver side E-brake cable to the lower hole & the passenger side E-brake cable to the semi-circular hole of the new Skyjacker relocation bracket. (See Photo # 38)

7. Install the passenger side E-brake cable to the new Skyjacker E-brake extension bracket. Connect the driver side E-brake cable to the rear slotted hole of the extension bracket. Connect the E-brake cable assembly to the OEM cable union. (See Photo # 38 & 39)

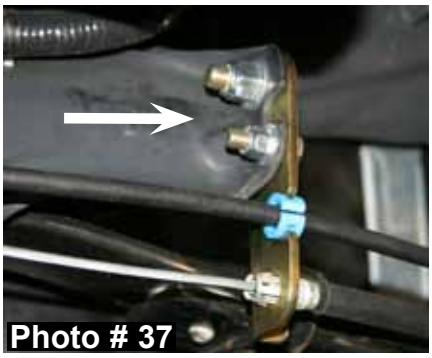
Photo # 37

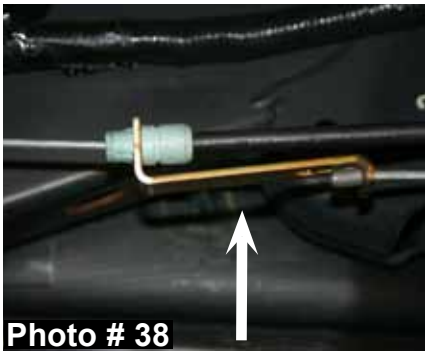
Photo # 38

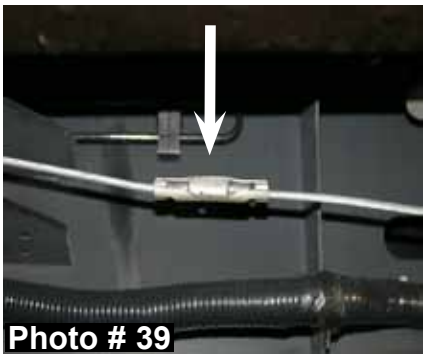
Photo # 39

8. Remove the rear OEM shocks & disconnect the rear brake line bracket from the frame rail using a 13mm, 15mm, & 18mm socket. **If installing the rear add-a-leafs, skip to Step # 16.**

9. Support the rear differential & remove the rear OEM U-bolts using a 21mm socket. Lower the rear differential down so that there is no load on the rear leaf springs.

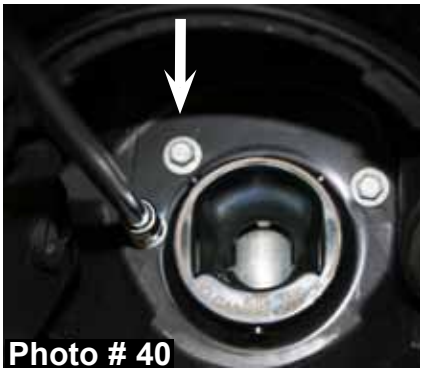
Photo # 40

Rear Spring Installation: Part # FR904S

10. Remove the rear spring eye bolts using a 15/16" & 1 1/6" socket. On the driver side, it will be necessary to remove the OEM fuel tank filler neck bolts & loosen the fuel tank straps using a 8mm & 13mm socket. This will allow the fuel tank to slide down & over to remove the OEM spring eye bolts. Support the fuel tank with a transmission jack. **Note:** The rear driveshaft may need to be disconnected for extra clearance. (See Photo # 40 & 41)

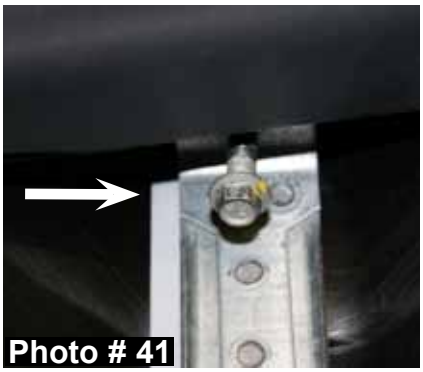
Photo # 41

11. On the passenger side, it will be necessary to disconnect the exhaust. Disconnect in front of the OEM muffler & at the hanger, located on the frame using a 15mm socket. (See Photo # 42)

Photo # 42

12. **4" Lift:** Remove the OEM block & install the new Skyjacker rear spring using the OEM hardware.

13. **6" Lift:** Install the new Skyjacker rear spring on top of the OEM block using the OEM hardware.

    Do not tighten the spring eye bolts until the vehicle is on the ground with the weight on the springs. Install these springs with the long end of the spring & the thick portion of the degree shim facing towards the rear. Make sure the tie bolt heads seat securely into the OEM block or OEM leaf spring pad.

14. Install the fuel tank, fuel tank filler neck, & exhuast back to their OEM locations using the OEM hardware, 8mm, 13mm, & 15mm socket.

15. Install the new Skyjacker rear U-Bolts & nuts using a 7/8" socket.

Photo # 43

Rear Add-A-Leaf Installation: Part # R3940

16. Lower the axle down to gain access to the rear leaf spring. To perform the installation of add-a-leafs properly, you must use two large C-clamps to contain the elastic potential energy of a leaf spring when the center tie bolts are being removed. Attach & tighten a C-clamp on each end of the leaf spring to hold the spring assembly securely together. Using a wrench & locking pliers to hold the head of the two center bolts, loosen & remove them. With care, slowly loosen & remove the C-clamps. (See Photo # 43)

17. Insert the new Skyjacker tie bolts thru the new Skyjacker axle shim (thick end facing rear bumper), OEM bottom overload leaf, new Skyjacker add-a-leaf, & through OEM leaf spring pack. **Do not tighten at this time.** (See Photo # 44)

DO NOT USE THE CENTER TIE BOLTS TO DRAW THE LEAF SPRING LEAVES TOGETHER. FAILURE OF ANY COMPONENT CAN CAUSE AN EXPLOSIVE DISASSEMBLY & POSSIBLE INJURY!

Photo # 44

18. Place one C-clamp on each side of the tie bolts & tighten evenly. Once the C-clamps have drawn the leaves securely together, hold the center tie bolt heads with locking pliers & tighten the nuts using a 3/4" wrench. Remove the C-clamps & cut off the excess length of the tie bolts.

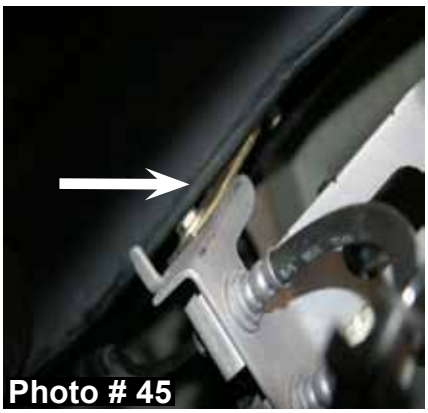
Photo # 45

19. **4" Lift:** Remove the OEM block, raise the axle to meet the leaf spring, & install the new Skyjacker U-bolts & nuts using a 7/8" socket.

20. **6" Lift:** Raise the axle to meet the leaf spring & install the new Skyjacker U-bolts & nuts using a 7/8" socket.

21. Locate the new Skyjacker rear brake line relocation bracket. It is a flat bracket with a hole at each end. Attach the bracket to the OEM mount on frame rail using the OEM hardware & 13mm socket. Attach the OEM bracket to the new Skyjacker relocation bracket using the 1/4" x 1 bolt, two 1/4" washers,1/4" nut, & 7/16" socket & wrench. (See Photo # 45)

22. Install the new Skyjacker rear shocks with the boot pointed up using a 15mm & 18mm socket.

23. Lower the vehicle to the ground & tighten the rear leaf spring eye bolts using a 15/16" & 1 1/16" socket.

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.

TORQUE SPECIFICATIONS

INCH SYSTEM			METRIC SYSTEM		
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.**

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JESUS ROCKS

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.

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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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