



# 2009 - 2013 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.
- If larger tires (10% more than the OEM 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 the OEM specifications.

## Component Box Breakdown:

### Part #: F9461A

Item #	Description	Qty	Item #	Description	Qty
F946L	LEFT STEERING KNUCKLE	1	F960DRB-B	DRIVER SIDE REAR DIFF BRKT	1
F946R	RIGHT STEERING KNUCKLE	1	F960PDB-B	PASS SIDE DIFF BRACKET	1
F960FCM-B	FRONT CROSS MEMBER	1	F960SBL-P	PASS SWAY BAR BRACKET	1
F960RCM-B	REAR CROSS MEMBER	1	1416-BSG	KNUCKLE BUSHING	4
F960DDB-B	DRIVER SIDE DIFF BRACKET	1			

## Component Box Breakdown:

### Part #: F9461B

Item #	Description	Qty	Item #	Description	Qty
F946STS	FRONT STRUT	2	HB-F946-BLE	HDWR BAG: BL EXT BRACKETS	1
F960DSS-S	FRT DRIVE SHAFT SPACER	1	HB-F960-CM	HDWR BAG: CROSS MEMBER	1
F960SKD-S	DIFF SKID PLATE	1	HB-F960-DB	HDWR BAG: DIFF BRACKETS	1
R3940S	REAR ADD-A-LEAF	2	HB-F960-DSS	HDWR BAG: DRVSHFT SPACER	1
WS4320	SHIM KIT	1	HB-F960-EC	HDWR BAG: E-BRAKE CABLE	1
916X318X912U	9/16 X 3 1/8 X 9 1/2 U-BOLT	4	HB-F960-SBL	HDWR BAG: SWAY BAR	1
HB-916	HDWR BAG: 9/16 LOCK NUTS	1	HB-F960-SKD	HDWR BAG: DIFF SKID PLATE	1
HB-F946-SR	HDWR BAG: STRUT SPACERS	1	I-F946	INSTRUCTION SHEET: F946	1

### Part #: F9461BS

Item #	Description	Qty	Item #	Description	Qty
F946STS	FRONT STRUT	2	HB-F960-CM	HDWR BAG: CROSS MEMBER	1
F960DSS-S	FRT DRIVE SHAFT SPACER	1	HB-F960-DB	HDWR BAG: DIFF BRACKETS	1
F960SKD-S	DIFF SKID PLATE	1	HB-F960-DSS	HDWR BAG: DRVSHFT SPACER	1
916X318X912U	9/16 X 3 1/8 X 9 1/2 U-BOLT	4	HB-F960-EC	HDWR BAG: E-BRAKE CABLE	1
HB-916	HDWR BAG: 9/16 LOCK NUTS	1	HB-F960-SBL	HDWR BAG: SWAY BAR	1
HB-F946-SR	HDWR BAG: STRUT SPACERS	1	HB-F960-SKD	HDWR BAG: DIFF SKID PLATE	1
HB-F946-BLE	HDWR BAG: BL EXT BRACKETS	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 # WS4320

Item #	Description	Qty	Item #	Description	Qty
WS4320S-17/32	WS430S, 2 HOLES, 1.56" CTR	2	12TBN	1/2 TIE BOLT NUT	4
1204S	1/2 X 4 TIE BOLT W/NUT	4			

## Hardware Bag Breakdown:

### Part # HB-916

Item #	Description	Qty
916FTN	9/16 FINE THREAD LOCK NUT	8

### Part # HB-F946-SR

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

Item #	Description	Qty
F964ST-SP6	STRUT BUMP STOP	2

### Part # HB-F946-BLE

Item #	Description	Qty
BTIE-K	BLACK BOOT TIE	10
DVL10	VAC / BRAKE BRACKET-FLAT	1
RBLE10-S	REAR ABS LN EXTENSION BRKT	2
VT53224	VACUUM TUBING 5/32 X 24 L	2

Item #	Description	Qty
VT76424	VACUUM TUBING 7/64 X 24 L	2
14X1FTB	1/4 X 1 FINE THREAD BOLT	3
14FTN	1/4 FINE THREAD LOCK NUT	3
14SAEW	1/4 SAE WASHER	6

### Part # HB-F960-CM

Item #	Description	Qty
18X160MMB	18MM X 160MM METRIC BOLT	2
18X150MMB	18MM X 150MM METRIC BOLT	2
18X50MMB	18MM X 50MM METRIC BOLT	2
34SAEW	3/4 SAE WASHER	12
18MMN	18MM METRIC LOCK NUT	6

Item #	Description	Qty
12X112FTB	1/2 X 1 1/2 FINE THREAD BOLT	4
12X2FTB	1/2 X 2 FINE THREAD BOLT	2
12SAEW	1/2 SAE WASHER	12
12FTN	1/2 FINE THREAD LOCK NUT	6
CS8125	REAR CROSS MEMBER SLEEVE	2

### Part # HB-F960-DB

Item #	Description	Qty
14X90MMB	14MM X 90MM METRIC BOLT	3
14MMN	14MM METRIC LOCK NUT	3

Item #	Description	Qty
916SAEW	9/16 SAE WASHER	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	EMERGENCY BRAKE BRACKET	1
F960ECE	EMERGENCY CABLE EXT BRKT	1
12X112FTB	1/2 X 1 1/2 FINE THREAD BOLT	1
12FTN	1/2 FINE THREAD LOCK NUT	1
12SAEW	1/2 SAE WASHER	2
38X114FTB	3/8 X 1 1/4 FINE THREAD BOLT	1

Item #	Description	Qty
38FTN	3/8 FINE THREAD LOCK NUT	1
38SAEW	3/8 SAE WASHER	2
516X1FTB	5/16 X 1 FINE THREAD BOLT	1
516FTN	5/16 FINE THREAD LOCK NUT	1
516SAEW	5/16 SAE WASHER	2

## Part # HB-F960-SBL

Item #	Description	Qty
716X112FTB	7/16 X 1 1/2 FINE THREAD BOLT	2
716FTN	7/16 FINE THREAD LOCK NUT	2

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

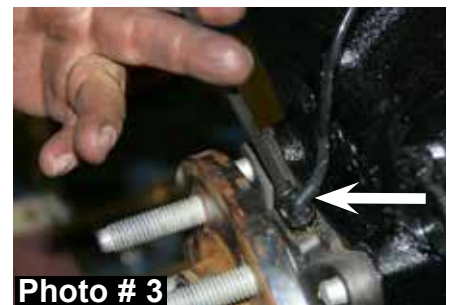
## Part # HB-F960-SKD

Item #	Description	Qty
516X1FTB	5/16 X 1 FINE THREAD BOLT	4
516FTN	5/16 FINE THREAD LOCK NUT	4

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

## Front Installation:

1. With the vehicle on flat level ground, set the emergency brake & block the rear tires / wheels.
2. Place a floor jack under the lower control arm front cross member & 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. Disconnect the OEM outer tie rod ends from the OEM steering knuckles using a 21mm socket & tie rod remover or other suitable tool. (See Photo # 1)
5. Remove the OEM brake line brackets & OEM brake caliper mounting bolts from the OEM steering knuckles. Remove the OEM brake caliper assemblies & simply wire the OEM brake caliper assemblies out of the way. It will not be necessary to disconnect the OEM brake lines from the OEM brake caliper assemblies.
6. Remove the OEM brake rotors & remove the OEM disc brake shields using a 8mm socket. (See Photo # 2)
7. Remove the OEM ABS sensors & OEM ABS sensor brackets from the OEM steering knuckles using a 5mm hex key & 8mm socket. (See Photo # 3)
8. Disconnect the OEM intergrated vaccum lines from the OEM 4WD actuator & the upper frame connection.
9. Remove the OEM cv-shaft nuts from the center of the OEM hub assemblies using a 13mm socket. (See Photo # 4)



10. Disconnect the OEM upper sway bar end links using a 18mm socket. Remove the OEM sway bar & OEM sway bar mounting brackets from the frame using a 15mm socket.

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

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

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

14. Remove the OEM lower strut mount bolts from the OEM lower control arms using a 1 1/16" & 1 3/16" socket. Once removed, remove the OEM strut assemblies.

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

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

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

18. Support the OEM front differential with a transmission jack & remove the OEM 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 OEM front differential out of the vehicle.



Photo # 5



Photo # 6

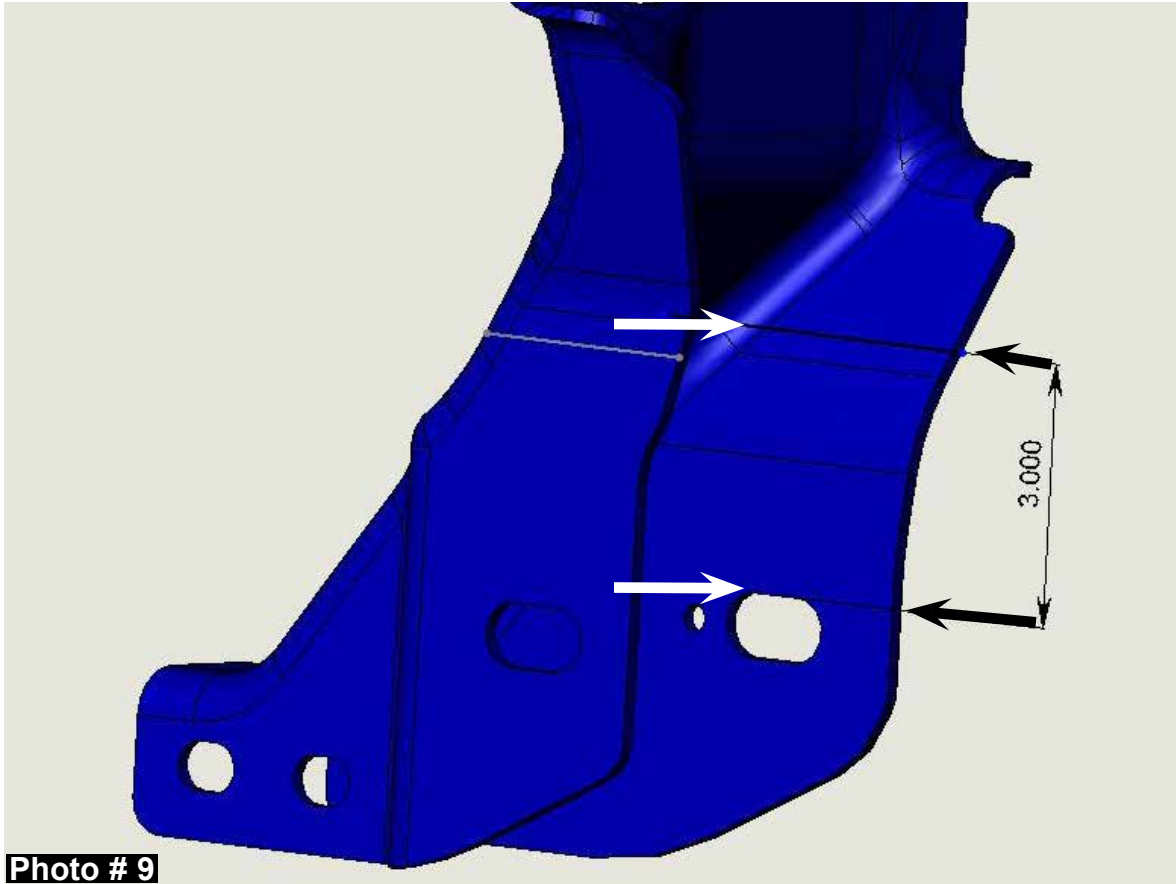


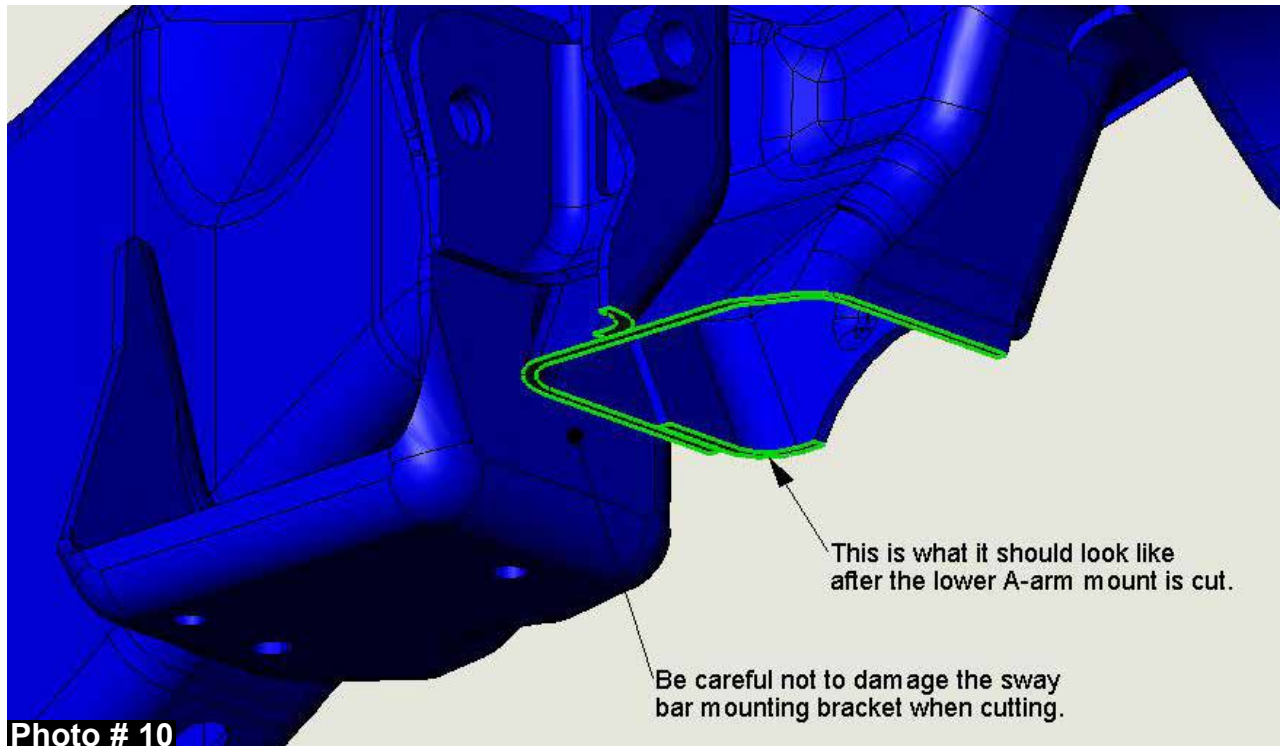
Photo # 7



Photo # 8

19. It will now be necessary to cut the OEM rear cross member for differential clearance when the lift is installed. Locate the OEM 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 OEM bracket. This process will need to be completed on the rear side of the OEM bracket as well. (See Photo # 9) Connect the two lines drawn on the front & rear sides of the OEM 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 OEM bracket will look like once cut. (See Photo # 10)



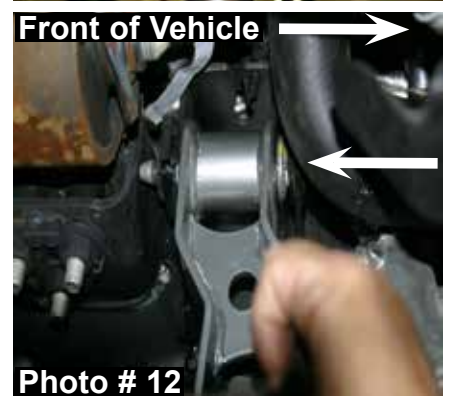
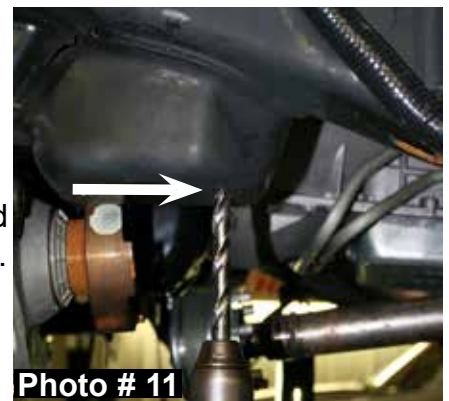


**Photo # 10**

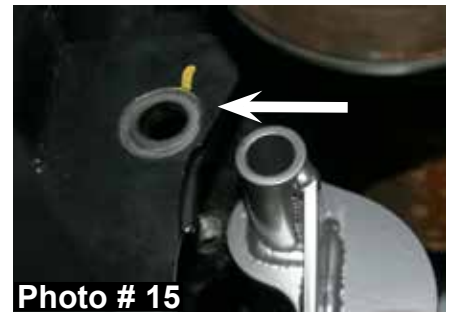
20. Drill the two OEM sway bar mounting bracket holes located on the driver side frame using a drill & 1/2" drill bit. (See Photo # 11)

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 new brackets facing toward the front of the vehicle, using the OEM hardware & 18mm wrench. **Do not tighten at this time.** (See Photo # 12)

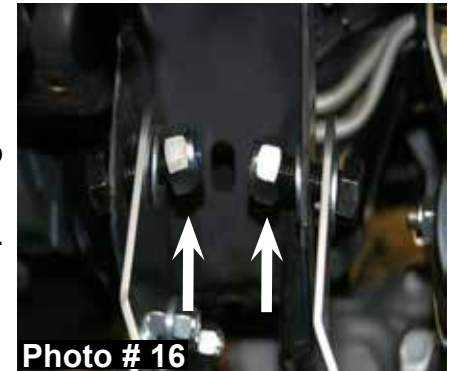
22. Support the OEM front differential with a transmission jack & install the OEM front differential. Install the two supplied 14mm x 90mm bolts, two 9/16" washers, & two 14mm nuts in the lower mounting location of the new Skyjacker driver & passenger side front differential brackets using a 21mm socket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



23. Install the new Skyjacker driver side rear differential bracket in the OEM location with the flat side of the new bracket facing toward the front of the vehicle, using the OEM hardware & a 21mm wrench. **Do not tighten at this time.** (See 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 supplied 18 x 50mm bolts, four 3/4" washers, & two 18mm nuts in the passenger side upper two holes of the new rear cross member using a 1 1/6" socket & wrench. **Do not tighten at this time.** (See Photo # 16)



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



26. Install the supplied 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 supplied 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.**

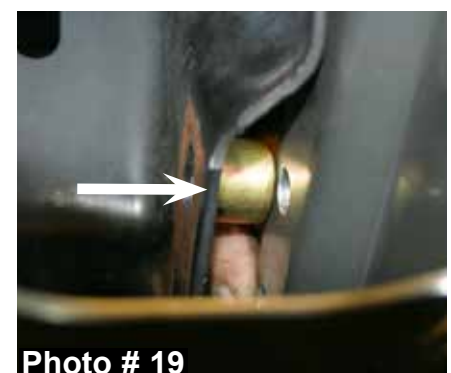


28. Install the two supplied 13/16" long crush sleeves, two 1/2" x 2" bolts, four 1/2" washers, & two 1/2" nuts in the two front holes of the passenger side OEM cross member bracket & new Skyjacker cross member using a 3/4" socket & wrench. **Do not tighten at this time.** (See Photo # 19)

29. Tighten the two 1/2" x 1 1/2" bolts & two 1/2" nuts located on the new Skyjacker 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.

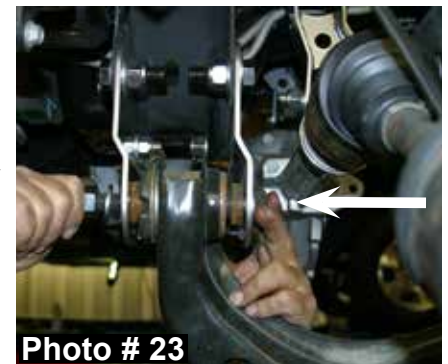
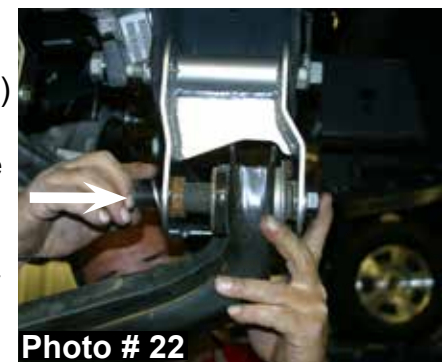
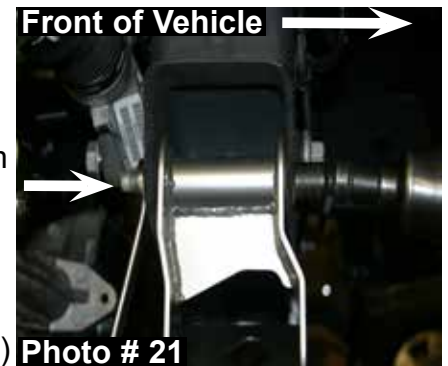
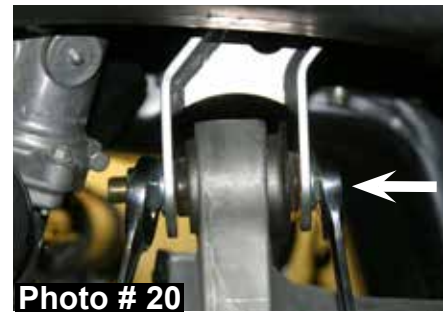
33. Tighten the two 14mm x 90mm bolts, two 14mm nuts, OEM hardware on the upper & lower mounting locations of the new Skyjacker driver & passenger side front differential brackets using a 21mm socket, 18mm, & 22mm wrench. (See Photo # 20)

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)

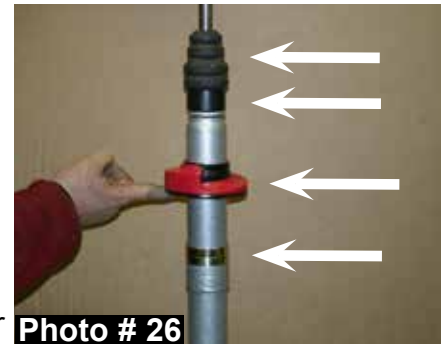
35. Install the two supplied 18mm x 160mm bolts, four 3/4" washers, & two 18mm nuts on the the lower front cross member mounts & lower control arms using a 21mm & 1 1/6" socket. (See Photo # 22) Install the two supplied 18mm x 150mm bolts, four 3/4" washers, & two 18mm nuts on the the lower rear cross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

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

37. **4" Lift:** At the upper hex portion of the shaft, rotate the shaft of each new Skyjacker strut assembly counter clockwise in order to unlock & extend the shaft of each new Skyjacker strut assembly. Assemble each new Skyjacker strut assembly by installing the new Skyjacker coil spring seat, new Skyjacker coil spring pad, & OEM bump stop on each 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).



38. **6" Lift:** At the upper hex portion of the shaft, rotate the shaft of each new Skyjacker strut assembly counter clockwise in order to unlock & extend the shaft of each 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 each 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).



- 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 or interference. 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.**



39. Insert each 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.



40. Install the new Skyjacker strut assemblies by aligning the three upper strut mount studs with the OEM mounting locations using the OEM hardware & a 15mm socket. (See Photo # 27)

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

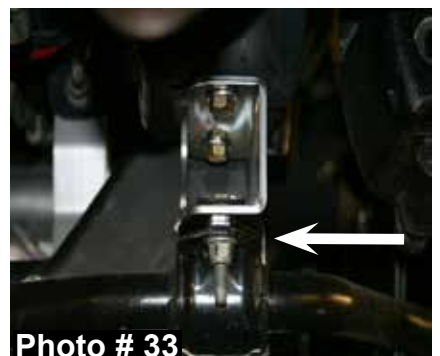
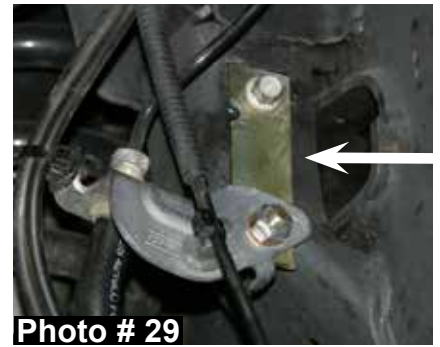
42. Install the OEM 4WD actuators using the OEM hardware & a 8mm socket. **Note:** Make sure that the OEM hose connections are pointing upward. (See Photo # 6)

43. Install the new Skyjacker steering knuckles to the OEM lower control arm ball joints using the OEM hardware & a 1" socket.

44. Install the new Skyjacker lower strut mount using the OEM hardware, a 1 1/16", & 1 3/16" socket.

45. Install the OEM cv-shafts using the OEM hardware & a 13mm socket. Install the OEM upper ball joints to the new Skyjacker steering knuckles using the OEM hardware & a 22mm socket. **Note:** It may be necessary to use a jack to raise the OEM lower control arms in order to install the OEM upper ball joints. (See Photo # 28)

46. Install the OEM ABS sensors & ABS sensor brackets to the new Skyjacker steering knuckles using the OEM hardware, a 5mm hex key, 8mm socket, & supplied plastic ties. (See Photo # 3)
47. Install the new Skyjacker 7/64" & 5/32" vacuum lines for the OEM 4WD actuator & upper frame connection using the supplied plastic ties.
48. Disconnect the OEM front brake line brackets from the frame & install the new Skyjacker front brake line extension brackets using the OEM hardware & the supplied 1/4" x 1" bolts, nuts, & washers. (See Photo # 29)
49. Install the OEM disc brake shields using the OEM hardware & a 8mm socket. **Note:** Some models may require the inside edge of the OEM disc brake shields to be ground in order for the OEM disc brake shields to fit flush to the new Skyjacker steering knuckles. (See Photo # 30)
50. Install the OEM brake rotors, brake line brackets, & brake caliper assemblies 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 OEM brake caliper mounting locations of the new Skyjacker steering knuckles before installing the OEM 14mm hardware. (See Photo # 31)
51. Install the OEM outer tie rod ends to the new Skyjacker steering knuckles using the OEM hardware & a 21mm socket. (See Photo # 1)
52. Using two supplied 7/16" x 1 1/2" bolts, four 7/16" washers, two 7/16" nuts, a 5/8" socket, & 5/8" wrench, install the new Skyjacker sway bar drop bracket on the passenger side frame of the vehicle. (See Photo # 32)
53. Install the OEM sway bar to the new Skyjacker sway bar lowering brackets using the OEM hardware & a 15mm socket. (See Photo # 33)
54. Connect the OEM sway bar end links to the OEM sway bar using the OEM hardware & a 18mm socket.



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



56. Hold the new Skyjacker front differential skid plate in place with the mounting holes of the new skid plate facing the rear of the new 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 supplied 5/16" x 1" bolts, eight 5/16" washers, four 5/16" nuts, a 1/2" wrench, & 1/2" socket, install the new front differential skid plate. (See Photos # 35 & # 36)

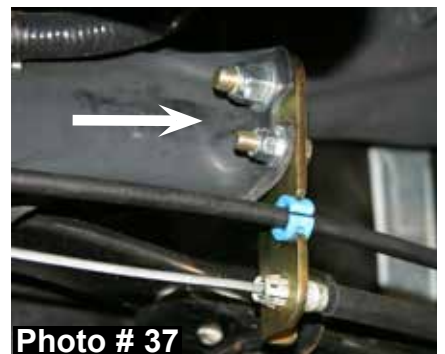


## **Rear Installation:**

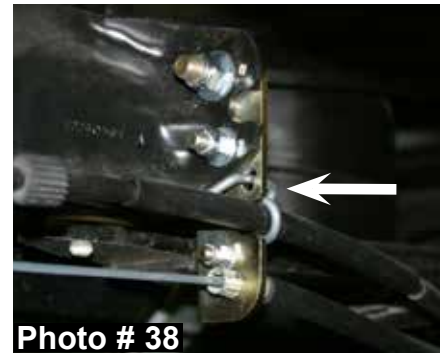
1. With the vehicle on flat level ground, block the front tires / wheels.
2. Place a floor jack under the vehicle & raise the rear of the vehicle. Place the jack stands under the frame rails & lower the frame of the vehicle onto the jack stands.
3. Remove the rear tires / wheels.
4. Remove the OEM E-brake cable from the OEM cable union & remove the OEM E-brake cable from the driver side OEM bracket. Remove the OEM passenger side E-brake cable & relocate above the OEM rear leaf spring.



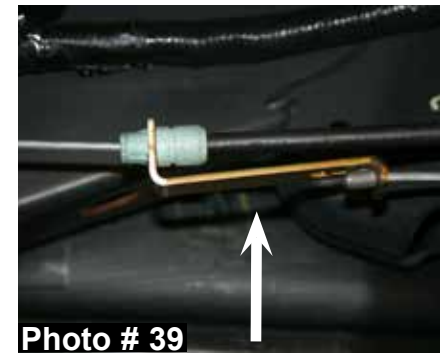
5. Install the new Skyjacker E-brake bracket using the supplied 3/8" x 1 1/4" bolt, two 3/8" washers, 3/8" nut, 1/2" x 1 1/2" bolt, two 1/2" washers, 1/2" nut, a drill, & 3/8" drill bit. Install the new E-brake bracket to the OEM upper hole using the supplied 1/2" hardware. Using the new Skyjacker E-brake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



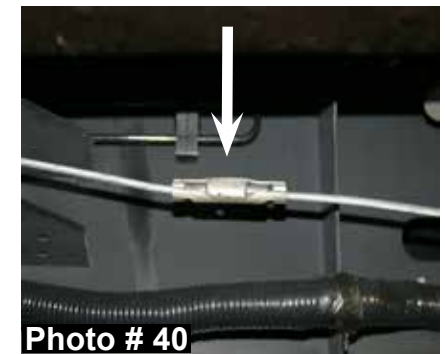
6. Install the OEM driver side E-brake cable to the lower hole of the new Skyjacker E-brake cable bracket & the OEM passenger side E-brake cable to the semi-circular hole of the new Skyjacker E-brake cable bracket. **Note:** Models with the OEM round plastic passenger side E-brake cable retainer, insert the OEM retainer into the semi-circular hole of the new E-brake cable bracket. (See Photo # 36) Models with the OEM metal wire passenger side E-brake cable retainer, insert the end of the OEM retainer thru the slotted hole of the new E-brake cable bracket & mount using the supplied 5/16" x 1" bolt, two 5/16" washers, & 5/16" nut. (See Photo # 38)



7. Install the OEM passenger side E-brake cable to the new Skyjacker E-brake extension bracket. Connect the OEM driver side E-brake cable to the rear slotted hole of the new E-brake extension bracket. Connect the E-brake cable assembly to the OEM cable union. (See Photos # 39 & # 40)



8. Remove the OEM rear shocks & disconnect the OEM 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.**



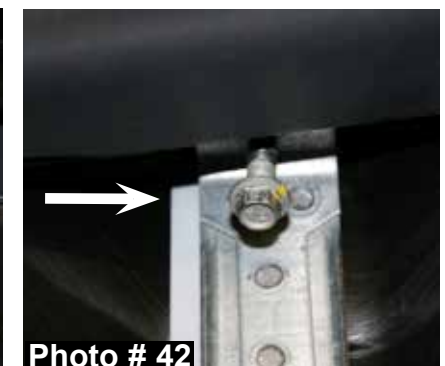
9. Support the rear differential & remove the rear OEM U-bolts using a 21mm socket. Lower the rear differential down so there is no load on the rear leaf springs.



### **Rear Spring Installation:** Part # FR904S

10. Remove the OEM 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 OEM fuel tank straps using a 8mm & 13mm socket. This will allow the OEM fuel tank to slide down & over to remove the OEM spring eye bolts. Support the OEM fuel tank with a transmission jack. **Note:** The OEM rear drive shaft may need to be disconnected for extra clearance. (See Photo # 41 & 42)

11. On the passenger side, it will be necessary to disconnect the OEM exhaust. Disconnect in front of the OEM muffler & at the hanger, located on the frame using a 15mm socket. (See Photo # 43)



12. **4" Lift:** Remove the OEM blocks & install the new Skyjacker rear leaf springs using the OEM hardware.
13. **6" Lift:** Install the new Skyjacker rear leaf spring on top of the OEM blocks using the OEM hardware.

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



14. Install the fuel tank, fuel tank filler neck, & exhaust 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.



**Rear Add-A-Leaf Installation:** Part # R3940

16. Lower the axle down to gain access to the OEM rear leaf springs. To perform the installation of add-a-leaves 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 OEM leaf spring to hold the leaf 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 # 44)
17. Insert the new Skyjacker tie bolts thru the new Skyjacker axle shim (thick end facing the rear of the vehicle), OEM bottom overload leaf, new Skyjacker add-a-leaf, & through OEM leaf spring pack. **Do not tighten at this time.** (See Photo # 45)

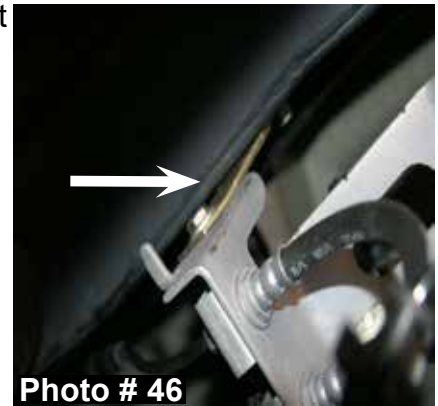
**DO NOT USE THE CENTER TIE BOLTS TO DRAW THE LEAF SPRING LEAVES TOGETHER. FAILURE OF ANY COMPONENT CAN CAUSE AN EXPLOSIVE DISASSEMBLY & POSSIBLE INJURY!**

18. Place one C-clamp on each side of the new 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 new tie bolts.
19. **4" Lift:** Remove the OEM blocks, raise the axle to meet the leaf springs, & install the new Skyjacker U-bolts & nuts using a 7/8" socket.
20. **6" Lift:** Raise the axle to meet the leaf springs & install the new Skyjacker U-bolts & nuts using a 7/8" socket.

21. Install the new Skyjacker rear brake line bracket to the OEM mount on the frame rail using the OEM hardware & a 13mm socket. Connect the OEM brake line bracket to the new brake line bracket using the supplied 1/4" x 1" bolt, two 1/4" washers, 1/4" nut, & a 7/16" socket & wrench. (See Photo # 45)

22. Install the new Skyjacker rear shocks using the supplied hardware, OEM hardware, a 15mm, & 18mm socket.

23. Install the rear tires / wheels & lower the rear of 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 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 align the vehicle to the OEM specifications.
- After the first 100 miles, check all of the hardware for the proper torque & periodically thereafter.

<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.

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



***Jesus Christ Died For You.***

John 3:16

For God so loved the world that He gave His only Son, so that everyone who believes in Him should not perish, but have everlasting life.  
Romans 3:23

For all have sinned; all fall short of God's glorious standard.  
Ephesians 2:8

God saved you by his special favor when you believed. And you can't take credit for this; it is a gift from God.  
Psalms 18:2

The Lord is my Rock, my fortress, and my savior; my God is my Rock, in whom I find protection. He is my shield, the strength of my salvation, and my stronghold.  
Romans 10:9-10

That if you shall confess with thy mouth the Lord Jesus, and shall believe in your heart that God hath raised him from the dead, you shall be saved. For with the heart man believeth unto righteousness; and with the mouth confession is made unto salvation.

**Pray This Simple Prayer:**

God, I come to You admitting I have sinned against You and I need you to take control of my life. The Bible says anyone who calls on the name of the Lord will be saved. I am calling on You, Jesus. I ask that You come live in my heart and be the Lord over my life today. I do believe You died on the cross for me and came back to life to give me life! Thank You, Lord Jesus for a new life in You!

Now, go and tell somebody about your new life in Jesus, get a Bible, begin to read it, and go to a Bible believing church.

If you would like someone to pray with you, call Kenneth Copeland Ministries anytime at 800-600-7395.

To listen to commercial free Christian radio on the web, go to [www.887fm.org](http://www.887fm.org)

***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

"¿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 justificado, pero con la boca se confía 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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