



# 2019-2022 Ford Ranger 4WD 3.5" Suspension Lift Installation Instructions

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## Required Tools List:

- SAE Sockets \ Wrenches (9/16", 5/8" & 7/8")
- Metric Sockets \ Wrenches (8mm, 10mm, 13mm, 15mm, 18mm, 19mm, 21mm, 24mm & 36mm)
- Jack Stands
- Wheel Chocks
- Safety Glasses
- Torque Wrench
- Rubber Mallet
- Center Punch
- Power Drill
- Plastic Fastener Removal Tool
- Coil Spring Compressor
- Reciprocating Saw or Suitable Cutting Tool
- Floor Jack
- Measuring Tape
- Paint Marker
- Ball Peen Hammer
- Scissors
- Masking Tape
- Drill Bit 7/16"



Before beginning installation, read these instructions & enclosed driver’s WARNING NOTICE thoroughly & completely. Also affix WARNING decal in passenger compartment in clear view of all occupants. Please refer to Parts List to insure that all parts & hardware are received prior to disassembly of vehicle. If any parts are found to be missing, contact SKYJACKER® Customer Service at 318-388-0816 to obtain needed items. If you have any questions or reservations about installing this product, contact SKYJACKER® Technical Assistance at 318-388-0816.

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

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

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

## Important Notes:

- If Larger Tires (10% More Than OEM Diameter) Are Installed, Speedometer Recalibration Will Be Necessary. Contact Your Local Ford Dealer or an Authorized Skyjacker® Dealer for Details.
- After Installation, a Qualified Alignment Facility Is Required to Align Vehicle to OEM Specifications.
- Not Designed to be Used on Models Equipped with TREMOR Off-Road Package.
- Aftermarket Wheels Must Have a Minimum of 93.1mm Center Bore & Maximum 6.5" Backspacing.
- Wheels with Less Than 6.50 Inch Backspacing May Require Slight Trimming.
- Nine (9) Inch Wide Wheels Will Require Trimming.
- MAKE Sure You Have Ordered & Received Correct Lift Kit. (They Will Not Interchange.)
  - # FR19350PA **Aluminum** OEM Steering Knuckles.
  - # FR20350P **Cast Steel** OEM Steering Knuckles.

## Component Box Breakdown:

### Part # FR19350PA Aluminum Knuckles

| Item #        | Description                | Qty |
|---------------|----------------------------|-----|
| FR1935UCA-LA  | RANGER UCA, DR.   ALUMINUM | 1   |
| FR1935UCA-RA  | RANGER UCA, PA.   ALUMINUM | 1   |
| H-BOX FR19350 | HDWR BOX: FR19350PA        | 1   |

## Hardware Box Breakdown:

### Part # H-BOX FR19350

| Item #       | Description                 | Qty |
|--------------|-----------------------------|-----|
| FR1925MS-S   | UPPER STRUT MOUNT SPACER    | 2   |
| FR1935DDBI-B | INNER DIFF. MOUNT BRKT, DR. | 1   |
| FR1935DDBO-B | OUTER DIFF. MOUNT BRKT, DR. | 1   |
| FR1935PDB-B  | DIFF. MOUNT BRACKET, PA.    | 1   |
| RBF125       | REAR BLOCK, FLAT 1.25       | 2   |
| 916X212X834U | 9/16 X 2-1/2 X 8-3/4 U-BOLT | 4   |
| HB-10MM/NFN  | HDWR BAG: 10MM FLANGE NUTS  | 1   |
| HB-916       | HDWR BAG: 9/16 NYLON NUTS   | 1   |
| HB-FR1935DB  | HDWR BAG: FOR DIFF BRACKETS | 1   |
| HB-FR1935SR  | HDWR BAG: STRUT RING SPACER | 1   |
| I-FR19350    | INST SHEET: FR19350 FR20350 | 1   |

## Hardware Bag Breakdown:

### Part # HB-10MM/NFN

| Item #      | Description               | Qty |
|-------------|---------------------------|-----|
| 10MMX1.5NFN | 10MM X 1.5 N/I FLANGE NUT | 6   |

### Part # HB-12XTFW (FOR FR20350P ONLY)

| Item # | Description                 | Qty |
|--------|-----------------------------|-----|
| 12XTFW | 1/2 EXTRA THICK FLAT WASHER | 2   |

### Part # HB-916

| Item # | Description                   | Qty |
|--------|-------------------------------|-----|
| 916FTN | 9/16 FINE THREAD N/I LOCK NUT | 8   |

### Part # HB-FR1935SR

| Item #     | Description              | Qty |
|------------|--------------------------|-----|
| FR1935SR-S | STRUT RING SPACER, 0.500 | 2   |

## Component Box Breakdown:

### Part # FR20350P Cast Steel Knuckles

| Item #        | Description                  | Qty |
|---------------|------------------------------|-----|
| FR2035UCA-LS  | RANGER UCA, DR.   CAST STEEL | 1   |
| FR2035UCA-RS  | RANGER UCA, PA.   CAST STEEL | 1   |
| H-BOX FR20350 | HDWR BOX: FR20350P           | 1   |

## Hardware Box Breakdown:

### Part # H-BOX FR20350

| Item #       | Description                  | Qty |
|--------------|------------------------------|-----|
| FR1925MS-S   | UPPER STRUT MOUNT SPACER     | 2   |
| FR1935DDBI-B | INNER DIFF. MOUNT BRKT, DR.  | 1   |
| FR1935DDBO-B | OUTER DIFF. MOUNT BRKT, DR.  | 1   |
| FR1935PDB-B  | DIFF. MOUNT BRACKET, PA.     | 1   |
| RBF125       | REAR BLOCK, FLAT 1.25        | 2   |
| 916X212X834U | 9/16 X 2-1/2 X 8-3/4 U-BOLT  | 4   |
| HB-10MM/NFN  | HDWR BAG: 10MM FLANGE NUTS   | 1   |
| HB-12XTFW-2  | HDWR BAG: EXTRA THICK WASHER | 1   |
| HB-916       | HDWR BAG: 9/16 NYLON NUTS    | 1   |
| HB-FR1935DB  | HDWR BAG: FOR DIFF BRACKETS  | 1   |
| HB-FR1935SR  | HDWR BAG: STRUT RING SPACER  | 1   |
| I-FR19350    | INST SHEET: FR19350 FR20350  | 1   |

## Hardware Bag Breakdown:

### Part # HB-FR1935DB

| Item #       | Description                    | Qty |
|--------------|--------------------------------|-----|
| FR19PDB-WASH | DIFFERENTIAL DOME WASHER, PA.  | 1   |
| FR1935PDB-TB | DIFFERENTIAL TAB NUT, PA.      | 1   |
| LT100        | THREAD LOCK COMPOUND           | 1   |
| 38X114CTB    | 3/8 X 1-1/4 COARSE THREAD BOLT | 1   |
| 38LW         | 3/8 LOCK WASHER                | 1   |
| 38SAEW       | 3/8 SAE WASHER                 | 1   |
| 716X114FTB   | 7/16 X 1-1/4 FINE THREAD BOLT  | 3   |
| 716FTN       | 7/16 FINE THREAD N/I LOCK NUT  | 3   |
| 716SAEW      | 7/16 SAE WASHER                | 6   |
| 10MMX70MMB   | 10MM X 70MM METRIC BOLT        | 1   |
| 10MMLW       | 10MM LOCK WASHER               | 1   |
| 16MMN        | 16MM METRIC N/I LOCK NUT       | 1   |
| 58SAEW       | 5/8 SAE WASHER                 | 1   |

## Front Installation:

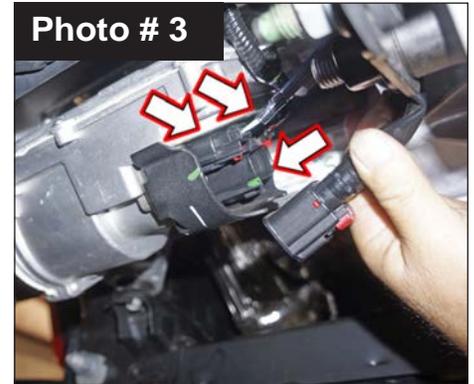
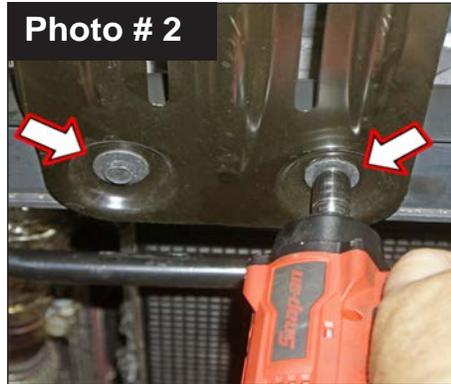
**Note:** Save all factory components and hardware for reuse, unless noted.

1. With vehicle on flat level ground, set emergency brake & chock rear tires \ wheels.
2. Raise front of vehicle, support frame rails & front differential using jack stands.
3. Remove front tires \ wheels using a 19mm socket.

4. Remove OEM lower skid plate by removing two (2) front bolts & two (2) rear bolts with a 15mm socket \ wrench. (See Photo # 1 & # 2)

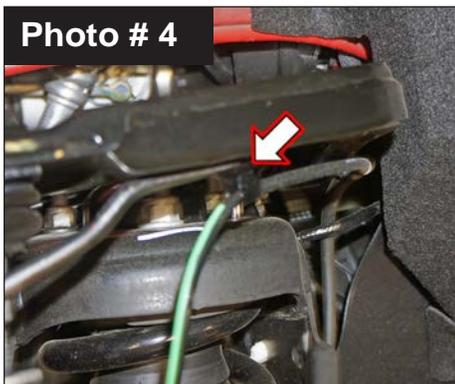
Note: Disconnect Electric Power Assist Steering (EPAS) connector. A sudden jar of a hammer blow or impact wrench to other suspension components could cause contacts of EPAS internal power relay to arch or short out.

5. Disconnect three (3) EPAS plugs on steering assembly next to front differential. (See Photo # 3)



Note: Perform Steps 6-45 on One Side at a Time. Complete Steps on One Side, THEN Go to Opposite Side & Repeat Same Steps.

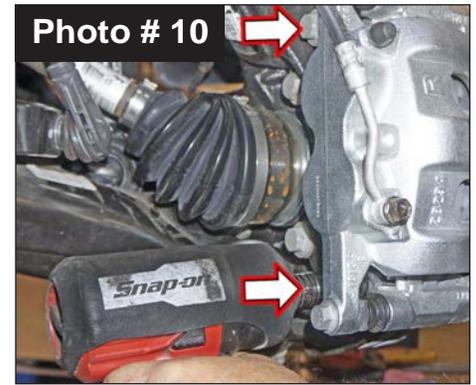
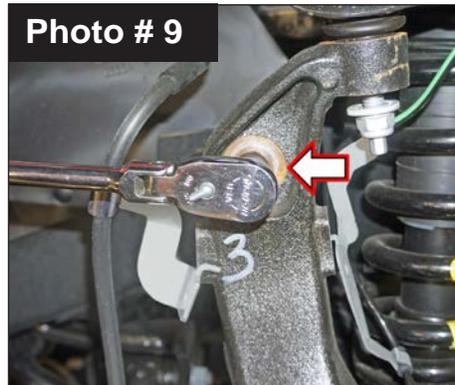
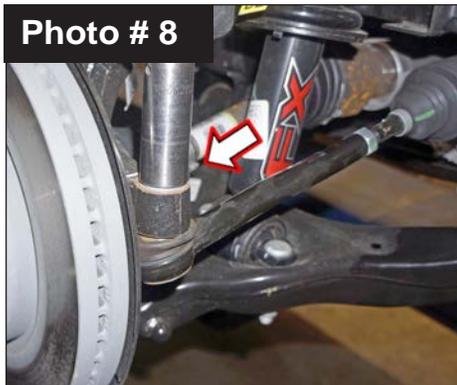
6. Disconnect ABS wire plastic clip from OEM Upper Control Arm (UCA) with a plastic fastener removal tool. (See Photo # 4)
7. Disconnect ABS sensor bracket from forward side of OEM knuckle with a 8mm socket \ wrench. (See Photo # 5)
8. Disconnect ABS sensor bracket from outward side of OEM knuckle with a 8mm socket \ wrench. (See Photo # 6)



9. Disconnect brake line bracket from rearward side of OEM knuckle with a 10mm socket \ wrench. (See Photo # 7)



10. Loosen, but do not remove OEM tie rod nut from OEM knuckle using a 21mm socket \ wrench. (See Photo # 8) To unseat tie rod taper, strike tie rod boss of knuckle at tie rod end to dislodge.  
**Note:** ONLY strike knuckle portion. Remove nut and remove tie rod end from knuckle.
11. Disconnect OEM sway bar end link from OEM knuckle using a 18mm socket \ wrench. (See Photo # 9)
12. Disconnect brake caliper from OEM knuckle using a 18mm socket \ wrench. (See Photo # 10) Remove brake rotor from hub and set aside.  
**Tech Note:** Hang brake caliper on frame out of way with a hook or bungee. To prevent damage, **Do Not** hang brake caliper by rubber brake line.



13. Remove CV axle nut using a 36mm socket \ wrench. (See Photo # 11)

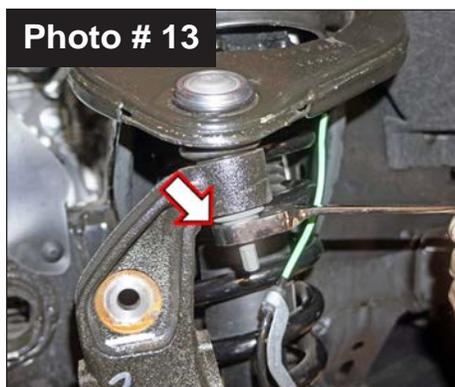


14. Disconnect CV axle from knuckle.  
**Note:** Do Not Overextend CV Axle Shaft.  
**Tech Note:** You may need a punch and hammer to dislodge CV shaft from hub. (See Photo # 12)  
**CAUTION:** Be careful not to hit or damage CV shaft threads.



15. Support OEM lower control arm with a jack. Loosen, but do not remove upper OEM ball joint nut from OEM knuckle using an 8mm wrench and a 21mm wrench. (See Photo # 13) To unseat ball joint taper, strike ball joint boss of knuckle to dislodge. (See Photo # 14)

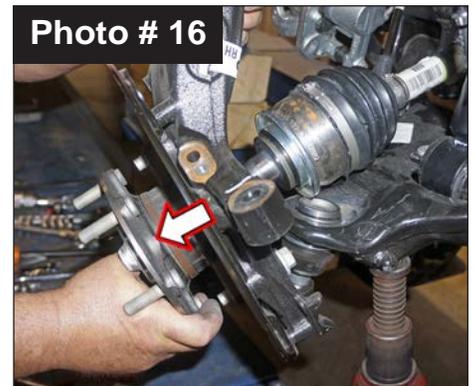
- Note:** ONLY strike knuckle portion. Remove nut and remove ball joint from knuckle. Ease knuckle outward to rest back away from front strut assembly.



16. Loosen, but do not remove OEM lower control arm ball joint nut from OEM knuckle using a 21mm wrench. (See Photo # 15) To unseat ball joint taper, strike ball joint boss of knuckle to dislodge.

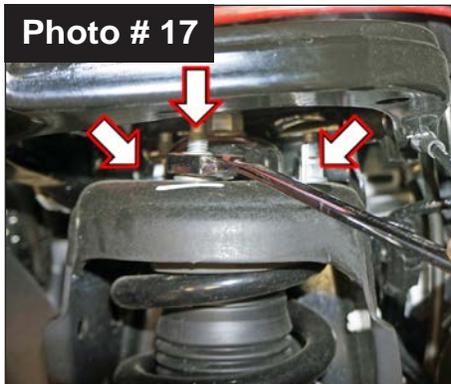
**Note:** ONLY strike knuckle portion. Remove nut and remove ball joint from knuckle.

Remove knuckle \ hub assembly. (See Photo # 16)



17. Disconnect three (3) OEM upper strut mounting nuts from frame mount using a 15mm socket \ wrench. (See Photo # 17)

**Note:** Do Not remove center strut rod nut.



18. Disconnect two (2) OEM lower strut mounting nuts from lower control arm mount using a 18mm socket \ wrench. (See Photo # 18)

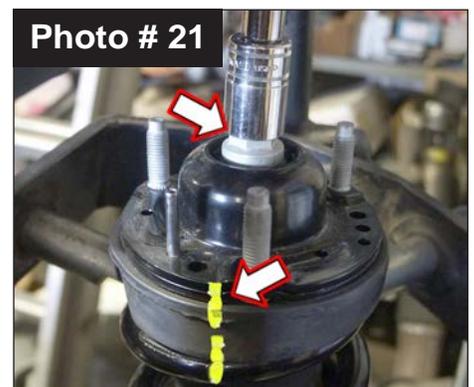
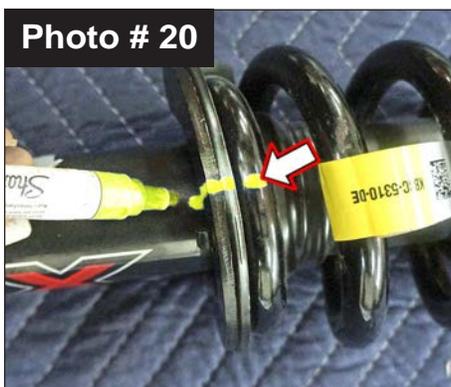
19. Remove OEM strut assembly.

20. Mark cam bolt position of lower control arm. Loosen, but do not remove two (2) cam bolts on lower control arm at frame using a 21mm and a 24mm socket \ wrench. (See Photo # 19) Let lower control arm hang down.

21. **Note:** For proper reassembly realignment, mark lower portion of strut, coil seat and coil spring. (See Photo # 20)

Mark top hat upper strut mounting isolator, rubber isolator and coil spring at top of strut. (See Photo # 21)

Compress coil spring on strut assembly with a suitable coil spring compressor and remove upper strut isolator nut using a 10mm socket \ wrench and a 18mm socket \ wrench. Remove compressed coil spring assembly from strut.



22. Remove OEM bump stop and dust shield from strut. (See Photo # 22)

23. Remove OEM plastic bump stop landing pad. To remove, gently tap around edges of pad with a rubber mallet. Remove lower OEM coil spring seat using a rubber mallet. (See Photo # 23)

24. Install Skyjacker # FR1935SR-S Strut Ring Spacer onto shock with thin notch toward top of strut. Make sure that coil seat spacer seats fully around OEM strut seat clip. (See Photo # 24)



25. Install OEM coil seat onto Skyjacker strut ring spacer and strut. (See Photo # 25)  
Make sure that coil seat seats fully around Skyjacker strut ring spacer.

**Note:** Make sure components align with your prior made alignment marks.

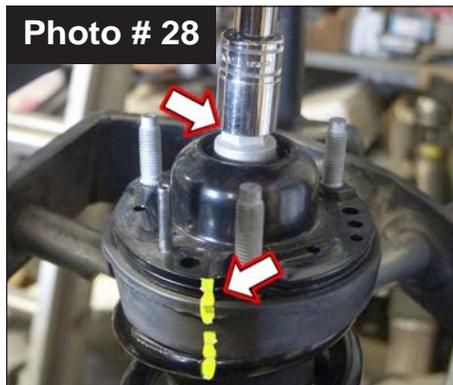
26. Install OEM bump stop pad, bump stop and then dust shield. (See Photo # 26 & 27)



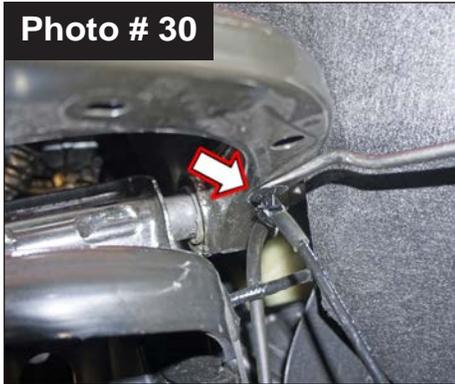
27. Install OEM coil spring onto OEM strut. Compress coil spring on strut assembly with a suitable coil spring compressor and install rubber isolator and top hat upper strut mounting isolator. (See Photo # 28)

Tighten upper strut isolator nut using a 10mm socket \ wrench and a 18mm socket \ wrench. **Note:** Make sure components align with your prior made alignment marks.

28. Install Skyjacker # FR1925MS-S Front Upper Strut Mount Spacer to top of OEM strut assembly using factory hardware and a 15mm socket \ wrench. (See Photo # 29)



29. Disconnect inward ABS wire plastic clip from OEM upper control arm with a plastic fastener removal tool. (See Photo # 30)
30. On some year models, it may be necessary to remove OEM strut tower heat shield for clearance issues before you remove factory Upper Control Arm (UCA). Remove heat shield using a 10mm socket \ wrench (See Photo # 31)
31. Remove OEM upper control arm from frame using an 18mm socket \ wrench and a 21mm socket \ wrench. (See Photo # 32)



32. Install Skyjacker Upper Control Arm to appropriate side of vehicle using OEM hardware, an 18mm and a 21mm socket \ wrench. (See Photo # 33)

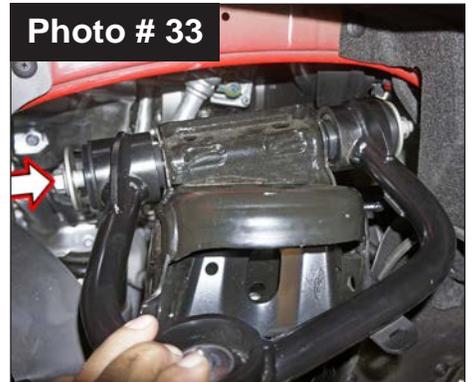
**Tech Note:** Remember, OEM bolt goes in from front-to-rear.

**Note:** Skyjacker UCA are Side Specific: Part number is on silver bar code label.

**Aluminum OEM Steering Knuckles:** # FR1935UCA-LA Driver & FR1935UCA-RA Passenger.

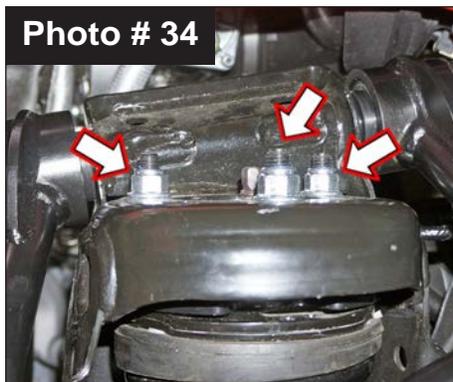
**Cast Steel OEM Steering Knuckles:** # FR2035UCA-LS Driver & FR2035UCA-RS Passenger.

**Do Not Completely Tighten** control arm hardware at this time. To set bushings properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels.



33. If equipped, re-install OEM strut tower heat shield using 10mm socket \ wrench. (See Photo # 31)
34. Install Skyjacker \ OEM strut assembly into upper strut mount at frame using supplied 10mm Nylon Insert Flange Nuts and a 15mm socket \ wrench. (See Photo # 34)

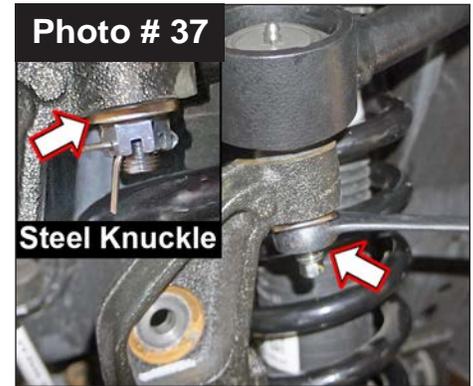
35. Install Skyjacker \ OEM strut assembly to lower control arm mount using factory bar pin studs, factory nuts and a 18mm socket \ wrench. (See Photo # 35)



36. Guide CV axle through OEM knuckle \ hub assembly and connect lower control arm ball joint to knuckle. Install factory nut using a 21mm wrench.  
(See Photo # 36)



37. Connect upper OEM ball joint nut to OEM knuckle with supplied Castle Nut and Cotter Pin using a 18mm wrench.  
(See Photo # 37)



**Note:** While connecting upper ball joint, be sure CV shaft properly aligns into hub.

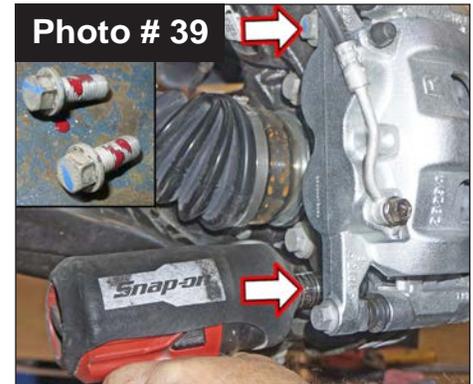
**CAUTION:** Models with **Cast Steel OEM Steering Knuckles** Will Require a # 12XTFW Extra Thick Washer to ensure that castle nut and cotter pin align properly into Skyjacker UCA ball joint. Steel Knuckle Models Must Place supplied 1/2" Extra Thick Washer Between Knuckle and Castle Nut.

38. Connect brake rotor onto OEM knuckle \ hub assembly. **Tech Note:** Use a factory lug nut to secure rotor into place.

Connect CV axle to OEM knuckle \ hub assembly using factory nut and a 36mm socket \ wrench.  
(See Photo # 38)



39. Connect caliper onto rotor and OEM knuckle \ hub assembly. Apply supplied Thread Lock Compound to two (2) factory bolts. Install bolts using a 18mm socket \ wrench. (See Photo # 39)



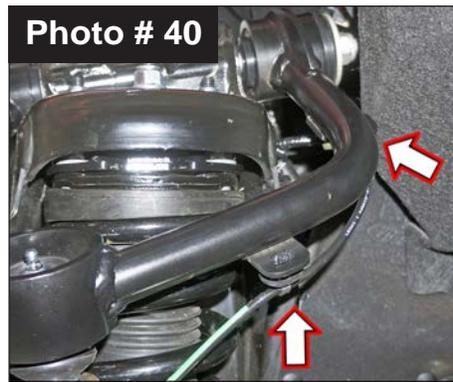
40. Connect brake line bracket to rearward side of OEM knuckle with a 10mm socket \ wrench.  
(See Photo # 7)

41. Connect ABS sensor bracket to outward side of OEM knuckle at with a 8mm socket \ wrench.  
(See Photo # 6) **CAUTION:** Make sure knuckle area and sensor are clean from any dirt and debris. Any debris on sensor may cause ABS system to work improperly causing dash warning lights and unruly handling.

42. Connect ABS sensor bracket to forward side of OEM knuckle with a 8mm socket \ wrench.  
(See Photo # 5) **Note:** It may be necessary to bend metal bracket away from coil spring for sufficient suspension travel clearance.

43. Connect two (2) ABS wire plastic clips to Skyjacker Upper Control Arm.  
(See Photo # 40)

**Note:** Ball joint is not fully greased from factory. GREASE Must Be Added to Skyjacker UCA Ball Joint using a grease gun.  
(See Photo # 41)



44. Connect OEM sway bar end link to OEM knuckle using 18mm socket \ wrench. (See Photo # 9)

45. Connect OEM tie rod to OEM knuckle using a 21mm socket \ wrench. (See Photo # 8)

**Note:** Perform Steps 6-45 on Opposite Side at this Time.

46. Support differential with a jack. Remove passenger side differential mounting hardware using a 13mm socket \ wrench.  
(See Photo # 42)



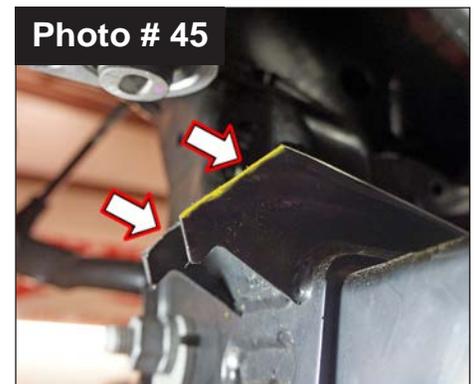
47. Remove passenger side differential double shear brace and discard.  
(See Photo # 43)



**Note:** Locate supplied Cut Template on Page 15 of this installation instruction manual.

Cut out Passenger Side Diff template using 'outside' edge of lines as a guide. Raise differential up with an appropriate jack to gain enough clearance to mark and cut passenger side differential bracket off of rear crossmember. You will be removing entire top section of factory mount. (See Photo # 44 & 45)

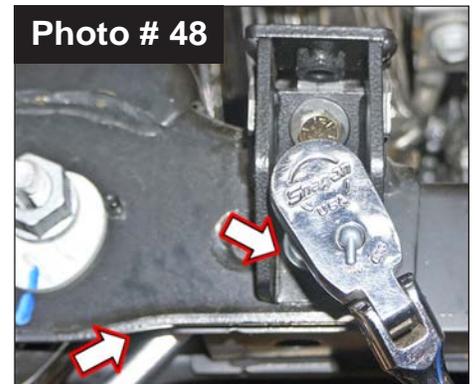
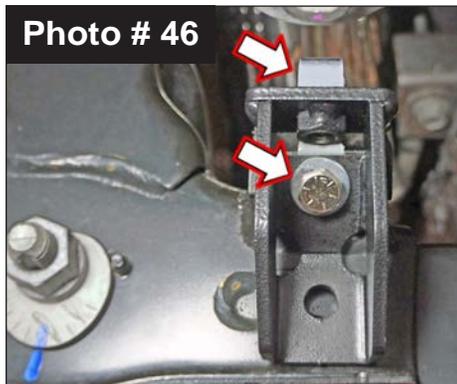
48. Place template on outer profile of passenger side differential bracket. Template will line up with lower profile of crossmember mount as shown. (See Photo # 44)  
Mark cut line on both of outer sides of mount, then connect line across top.



49. Use a suitable Cut Off Tool, Sawzall Reciprocating Saw, etc to cut along marked edges straight across to other opposite side of mount. (See Photo # 45) File smooth any burrs or sharp edges on OEM bracket, then paint or undercoat all exposed metal.

**Note:** Do Not cut through factory hole in factory bracket when viewed from front. This mount hole will be used to secure Skyjacker bracket into place. (See Photo # 46)

50. Install Skyjacker # FR1935PDB-B Passenger Side Differential Bracket into place using supplied 3/8" x 1.25" bolt, 3/8" Lock Washer & 3/8" SAE Washer on front side and a 3/8" Tab Nut on back side. Tighten using a 9/16" socket \ wrench. (See Photo # 46)
51. Using lower hole in Skyjacker bracket as a guide, drill out factory crossmember with a 7/16" drill bit. **Note:** Do Not drill through both sides of crossmember; just front plate of crossmember. (See Photo # 47)
52. Install supplied 7/16" x 1.25" Bolt, 7/16" SAE Washer on front side and a 7/16" SAE Washer and 7/16" Nylon Insert Nut on back side. Tighten using a 5/8" socket \ wrench. (See Photo # 48) **Tech Note:** You can reach through opening where lower control arm mounts to crossmember to reach back side with a wrench.

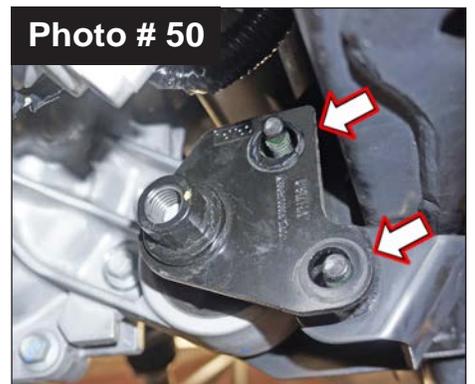


Note: Make sure jack is still securing differential.

53. On driver side front differential outer mount, remove main bolt from differential's large rubber mount using a 21mm socket \ wrench. (See Photo # 49)

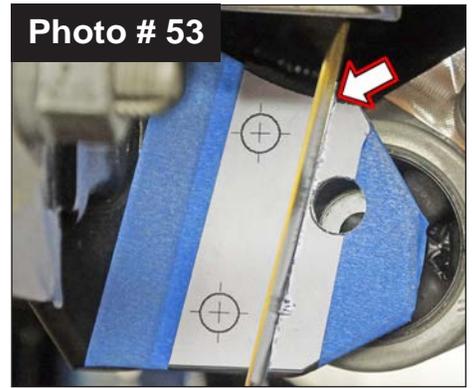
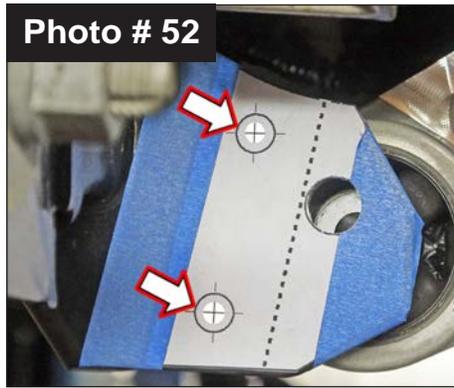
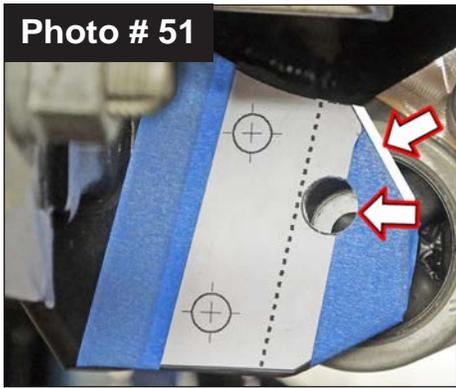


54. Remove two (2) driver side front differential inner mount bolts at crossmember using a 18mm socket \ wrench. (See Photo # 50).



Remove and discard mounting plate: retain factory hardware.

55. Locate supplied Cut Template on Page 15 of this installation instruction booklet. Cut out Driver Side Diff template using 'outside' edge of lines as a guide. Cut out dashed line circle to align with differential factory hole. You are removing rear section of driver side front differential mount and drilling two (2) holes to attach Skyjacker relocation bracket to driver side factory mount. (See Photo # 54)
56. Align template on driver side front outer differential mount with upper rear profile and factory differential hole mount. Use masking tape to hold template into place. (See Photo # 51)
57. Mark two (2) holes to be drilled with a center punch. (See Photo # 52)
58. Use a suitable Cut Off Tool, Sawzall Reciprocating Saw, etc to cut along dashed line to remove rear section of driver side front outer differential mount. (See Photo # 53)

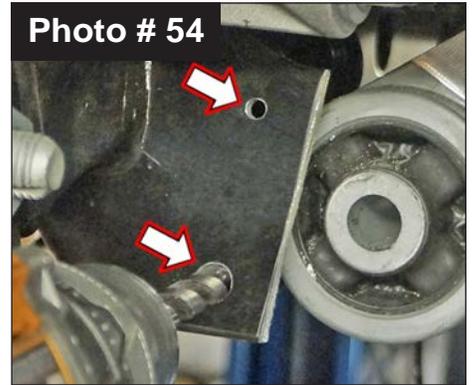


59. Using your punched marks as a guide, drill out two (2) marks using a 7/16" drill bit. (See Photo # 54)

File smooth any burrs or sharp edges on OEM bracket, then paint or undercoat all exposed metal surface areas.

**Tech Note:** You may want to first drill out holes with a smaller drill bit to be more precise.

60. Install Skyjacker # FR1935DDBO-B Outer Differential Mount Bracket with supplied 7/16" x 1.25" Bolts, 7/16" SAE Washer on front side and a 7/16" SAE Washer and 7/16" Nylon Insert Nut on back side. Secure hardware, but leave loose at this time using a 5/8" socket \ wrench. (See Photo # 55)



61. Install Skyjacker # FR1935DDBI-B Inner Differential Mount Bracket with OEM hardware using a 18mm socket \ wrench. Secure hardware, but leave loose at this time. (See Photo # 56)

62. Lower differential down to install main OEM bolt at differential's large rubber mount through both Skyjacker brackets. Secure with supplied 16mm Nylon Insert Nut and 5/8" SAE Washer using a 24mm socket \ wrench. Leave loose at this time. (See Photo # 57)



63. Move back to passenger side differential bracket. Secure differential to Skyjacker bracket \ welded nut with supplied 10mm x 70mm Bolt, 10mm Lock Washer and Large Dome Washer on topside using a 13mm socket \ wrench. Leave loose at this time. (See Photo # 58)



64. Once all differential mounting brackets have been installed, remove jack then tighten and torque all hardware at this time. Torque passenger side differential bracket supplied 10mm bolt to 45 ft.-lbs. using a 13mm socket \ wrench. (See Photo # 58)  
Torque driver side front differential supplied 7/16" bolts \ nuts to 45 ft.-lbs. using a 5/8" socket \ wrench. (See Photo # 55)  
Torque driver side front differential factory bolts \ nuts to 45 ft.-lbs. using a 18mm socket \ wrench. (See Photo # 56)  
Torque main differential bolt at differential's large rubber mount to 195 ft.-lbs. using a 21mm socket \ wrench. (See Photo # 57)
65. Connect three (3) Electronic Power Assist Steering (EPAS) plugs to steering assembly by front differential. (See Photo # 3)
66. Install OEM lower skid plate with factory bolts using a 15mm socket \ wrench. (See Photo # 2 & # 1)
67. Install front tires \ wheels using a 19mm socket & lower front of vehicle to ground.

## **Rear Installation:**

**Note: Save all factory components and hardware for reuse, unless noted.**

1. Chock front tires \ wheels, raise rear of vehicle & support frame rails using jack stands at indicated lift points in service manual.
2. Remove rear tires \ wheels using a 19mm socket.
3. Support rear axle with a hydraulic jack. Allow ample room to lower rear axle.

4. Disconnect lower OEM shock mounting bolt and nut using a 15mm socket \ wrench. Swing shock out of way. (See Photo # 59)



5. Remove OEM u-bolts using a 21mm socket \ wrench. Discard u-bolts and hardware. Retain lower OEM u-bolt plate. (See Photo # 60)



6. Lower axle away from leaf springs to allow clearance for block.
7. Clean spring pads of all debris. Position Skyjacker # RBF125 1-1/4" Block on top of axle pad.

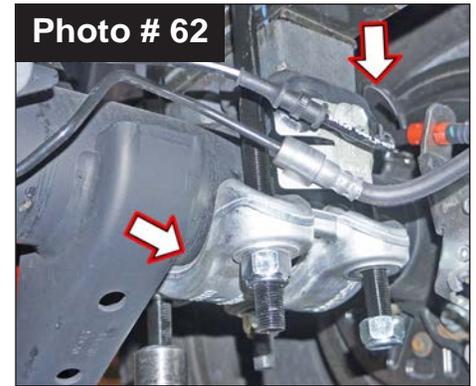
**Note:** If equipped with a factory leaf spring shim on driver side, make sure shim is placed on top of supplied lift block. (See Photo # 61)

8. Raise axle to mate leaf springs to lift blocks.

**Note:** Be sure that leaf spring center bolt head seats properly into block & that block pin seats properly into top of axle pad.

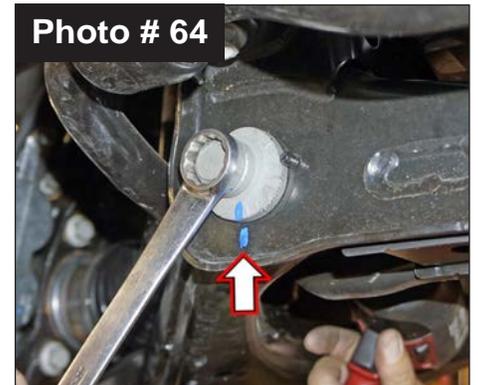


9. Install Skyjacker 9/16" U-Bolts over OEM top plate\leaf springs down into OEM u-bolt plate. Install supplied 9/16" Nylon Insert Nuts using a 7/8" socket\wrench. Torque u-bolts evenly using an 'X' crisscross tightening sequence. Torque to 90 ft.-lbs. (See Photo # 62)
10. Connect shock into lower OEM shock mount using factory hardware and a 15mm socket\wrench. (See Photo # 59)
11. Install rear tires\wheels using a 19mm socket. Lower rear of vehicle to ground.



### **Final Front Steps:**

1. Start vehicle. Make sure there are no dash lights pertaining to suspension.
2. Roll vehicle forward and backwards a few feet a couple of times. This will help suspension settle to new ride height.
3. Tighten both Skyjacker replacement upper control arms using an 18mm and a 21mm socket\wrench to set bushings properly for ride height. (See Photo # 63)  
Torque to 122 ft.-lbs.
4. Realign marks on cam bolt positions on lower control arms at frame. Tighten cam bolts on both arms using a 21mm and a 24mm socket\wrench. (See Photo # 64)  
Torque to 165 ft.-lbs.



**Note:** Final torque will be set by alignment technician.

## **Final Notes:**

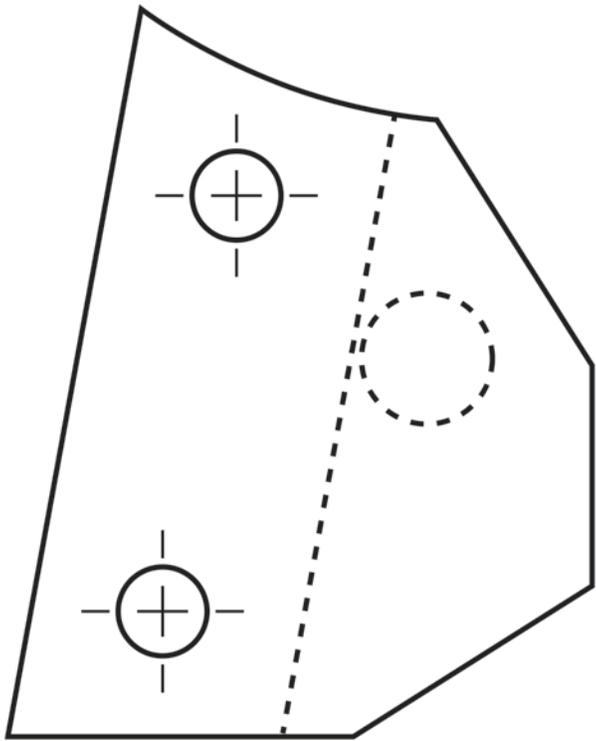
- After installation is complete, double check that all nuts & bolts are tight. Refer to following chart for proper torque specifications. (**Note:** Do not re-tighten nuts & bolts where thread lock compound was used.)
- With vehicle placed on ground, cycle steering lock to lock & inspect steering, suspension, brake lines, front & rear drivelines, fuel lines & wiring harnesses for proper operation, tightness & adequate clearance.
- Have headlights readjusted to proper settings.
- Have a qualified alignment center align vehicle to OEM specifications.
- After first 100 miles, check all hardware for proper torque & periodically thereafter.

| <b>TORQUE SPECIFICATIONS</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         |

**Above specifications are not to be used when bolt is being installed with a bushing.**

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

## Driver Side Diff Template



## Driver Side Diff Template

Cut out Driver Side Diff template using 'outside' edge of lines as a guide. Cut out dashed line circle to align with differential factory hole.

**Note:** *Diagonal dashed line is cut line guide for OEM differential bracket.*

## Passenger Side Diff Template

### Passenger Side Diff Template

Cut out Passenger Side Diff template using 'outside' edge of lines as a guide.

**Note:** *Diagonal dashed line is cut line guide for OEM differential bracket.*

