



300 HUEY LENARD LOOP | WEST MONROE | LA 71292  
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SUPERLIFT.COM

# 2018 -2022 JEEP WRANGLER 4" LONG ARM LIFT KIT INSTALLATION INSTRUCTIONS





** CAUTION: MAKE SURE YOU HAVE THE CORRECT LIFT FOR YOUR VEHICLE:****Double check the Year, Make, Model, Lift Height and Kit Part Numbers.**

Prior to beginning the installation, OPEN the boxes and CHECK the included components compared to the parts breakdown. Check all parts and hardware in the box with the parts list below. Be sure you have all needed parts and know where they install.

If you find a packaging error, contact SUPERLIFT directly. Do not contact the dealer where the system was originally purchased. You will need the control number from each box when calling; this number is located at the bottom of the part number label and to the right of the bar code.

**How to Read the Kit Breakdown Charts:**

The 'K KIT BREAKDOWN' lists the Part Numbers, Quantities & Part Description of the Boxes that are included in the K KIT. The 'KIT BREAKDOWN' lists Part Numbers, Quantities & Part Description of the Individual Components & Hardware Bags that are included in Each Box. The 'HARDWARE BREAKDOWN' lists the Part Numbers, Quantities & Part Description of the Individual Components.

**K KIT BREAKDOWN**

Kit Part Number K199			Kit Part Number K199KG		
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
5840	1	Front Link Arm Brackets, Trans Xmem	5840	1	Front Link Arm Brackets, Trans Xmem
5841	1	Front Upper Link Arms	5841	1	Front Upper Link Arms
5842	1	Front Lower Link Arms	5842	1	Front Lower Link Arms
5843	1	Rear Upper And Lower Link Arm Brackets	5843	1	Rear Upper And Lower Link Arm Brackets
5844	1	Track Bar Brace, Sway Bar Links, Bump Stops	5844	1	Rear Axle Truss, Sway Bar Links, Bump Stops
5845	1	Rear Upper And Lower Link Arms	5845	1	Rear Upper And Lower Link Arms
588	1	Front Coil Springs	588	1	Front Coil Springs
597	1	Rear Coil Springs	597	1	Rear Coil Springs
5831	1	Front Track Bar	5831	1	Front Track Bar
5832	1	Rear Track Bar	5832	1	Rear Track Bar
84171	1	SL Shocks	5806	1	2.0 King Shocks
Kit Part Number K199F			Kit Part Number K199FX		
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
5840	1	Front Link Arm Brackets, Trans Xmem	5840	1	Front Link Arm Brackets, Trans Xmem
5841	1	Front Upper Link Arms	5841	1	Front Upper Link Arms
5842	1	Front Lower Link Arms	5842	1	Front Lower Link Arms
5843	1	Rear Upper And Lower Link Arm Brackets	5843	1	Rear Upper And Lower Link Arm Brackets
5844	1	Track Bar Brace, Sway Bar Links, Bump Stops	5844	1	Rear Axle Truss, Sway Bar Links, Bump Stops
5845	1	Rear Upper And Lower Link Arms	5845	1	Rear Upper And Lower Link Arms
588	1	Front Coil Springs	588	1	Front Coil Springs
597	1	Rear Coil Springs	597	1	Rear Coil Springs
5831	1	Front Track Bar	5831	1	Front Track Bar
5832	1	Rear Track Bar	5832	1	Rear Track Bar
5802	1	2.0 Fox Shocks	84144	1	2.0 Fox Res Shocks

KIT BOX BREAKDOWN					
Kit Part Number 5840			Kit Part Number 5845		
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
2171038	1	Front Bracket - Driver Side	66-06-5840	2	Rear Upper Link
2171039	1	Front Bracket - Passenger Side	2171091	2	Rear Lower Link
2171045	1	Transmission X-Member	77-5845	1	Hardware Bag
77-5840	1	Hardware Bag			
77-5840A	1	Hardware Bag	Kit Part Number 588		
			Part Number	Qty.	Part Description
Kit Part Number 5841			01-588	1	Dual Rate Coil Spring, Front Dr Side
Part Number	Qty.	Part Description	02-588	1	Dual Rate Coil Spring, Front Pa Side
2171052	2	Front Upper Links			
77-5841	1	Hardware Bag	Kit Part Number 597		
			Part Number	Qty.	Part Description
Kit Part Number 5842			01-597	1	Dual Rate Coil Spring, Rear Dr Side
Part Number	Qty.	Part Description	02-597	1	Dual Rate Coil Spring, Rear Pa Side
2171103	1	Front Lower Link - Driver Side			
2171113	1	Front Lower Link - Passenger Side	Kit Part Number 84171		
77-5842	1	Hardware Bag	Part Number	Qty.	Part Description
			65953212J	2	SL Shocks, Front
Kit Part Number 5843			65953312J	2	SL Shocks, Rear
Part Number	Qty.	Part Description			
2171072	1	Rear Lower Link Frame Bracket - Driver Side	Kit Part Number 84144		
2171073	1	Rear Lower Link Frame Bracket - Passenger Side	Part Number	Qty.	Part Description
55-01-5840	1	Control Arm Bracket, Rear Upper Driver Side	885-24-183	2	Fox Res Shocks, Front
55-02-5840	1	Control Arm Bracket, Rear Upper Passenger Side	985-24-184	2	Fox Res Shocks, Rear
77-5843	1	Hardware Bag			
77-5843A	1	Hardware Bag	Kit Part Number 5802		
			Part Number	Qty.	Part Description
Kit Part Number 5844			985-24-177	2	Fox Shocks, Front
Part Number	Qty.	Part Description	985-24-178	2	Fox Shocks, Rear
55-19-5825	2	Front Sway Bar Links			
44-17-5040	2	Rear Sway Bar Links	Kit Part Number 5806		
55-17-5825	2	Front Bump Stop Spacers	Part Number	Qty.	Part Description
55-18-5825	2	Rear Bump Stop Spacers	20C001-375	2	King 2.0 Shocks, Front
55-30-5825	1	Front Track Bar Brace	20C001-376	2	King 2.0 Shocks, Rear
55-33-5825	2	Rear Sway Bar Spacer			
77-5844	1	Hardware Bag	Kit Part Number 5832		
77-5805	1	Hardware Bag	Part Number	Qty.	Part Description
			66-24-5825	1	Rear Adjustable Track Bar
Kit Part Number 5831					
Part Number	Qty.	Part Description			
66-23-5825	1	Front Adjustable Track Bar			

**THANK YOU FOR CHOOSING SUPERLIFT  
FOR ALL YOUR SUSPENSION NEEDS!!**

## **Read and understand all instructions and warnings prior to installation of system and operation of vehicle.**

### **INTRODUCTION BEFORE INSTALLATION**

Installation requires a professional mechanic. In addition to these instructions, professional knowledge of disassembly and reassembly procedures and post installation checks must be known.

PRIOR to beginning, inspect the vehicles steering, driveline, and brake systems, paying close attention to the suspension link arms and bushings, sway bars and bushings, tie rod ends, pitman arm, idler arm, ball joints and wheel bearings. Also check the steering sector-to-frame and all suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition; repair or replace all worn parts. Read instructions several times before starting. Read each step completely as you go. Be sure you have all needed parts and know where they install.

#### **⚠ NOTES:**

- This kit requires a new CV style front driveshaft.
- Exhaust modifications are required.
- Welding required for proper installation.
- The fuel tank must be removed to complete install, so it's best to run the fuel level as low as possible before install.
- Do NOT install this suspension system in conjunction with any other type of aftermarket or fabricated components to gain additional suspension height.
- Do not fabricate any components to gain additional suspension height.
- Prior to drilling and/or cutting, check behind the surface being worked on for any wires, lines, or hoses that could be damaged. Prep all cutting surfaces by removing all debris and frame coatings.
- After drilling and/or cutting, file smooth any burrs and sharp edges.
- Prior to operating a torch or saw, protect any heat-sensitive components located in the immediate area by covering them with a water-saturated cloth. Most undercoating are flammable but can be extinguished using a water-filled spray bottle. Have a spray bottle and an ABC rated fire extinguisher on hand.
- Paint or undercoat all exposed metal surfaces.
- Prior to attaching components, be sure all mating surfaces are free of grit, grime, grease, undercoating, etc.
- Front end alignment is necessary.
- Tool and Wrench/Socket size is given in brackets [ ] after each appropriate step.
- A foot-pound torque reading is given in parenthesis ( ) after each appropriate fastener.
- Always wear safety glasses when using power tools.
- A factory service manual should be on hand for reference.
- Due to payload options and initial ride height variances, the amount of lift is a 'base figure'. Final ride height dimensions may vary in accordance to original vehicle stance.

### **BEFORE YOU DRIVE**

Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering components for clearance.

Test and inspect brake system. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/replacement may result in component failure. Perform head light check and adjustment.

**⚠ WARNING:** It is the ultimate buyer's responsibility to have all bolts and nuts checked for tightness after the first 100 miles and then every 1000 miles. The steering, suspension and driveline systems, plus wheel alignment should be inspected by a qualified professional mechanic at least every 3000 miles.

## TIRES AND WHEELS

Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than factory, consider the additional stress you could be inducing on the factory and related components. All tire and wheel combinations should be test fit prior to installation.

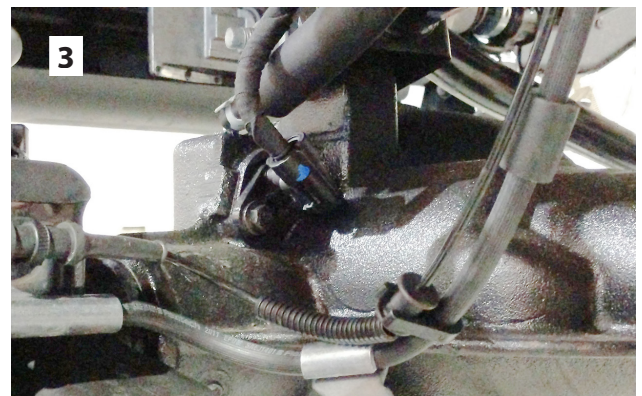
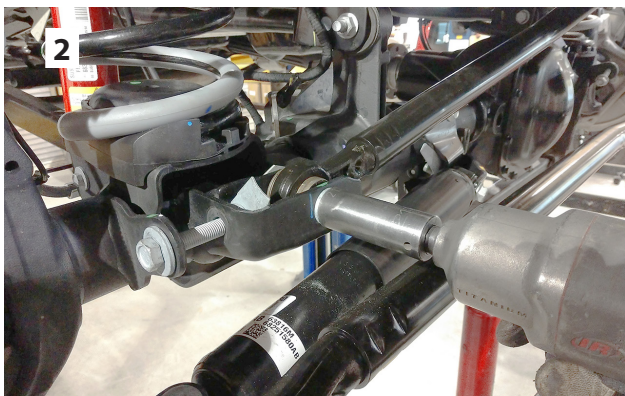
STEP	PART NUMBER	QTY. PER KIT	DESCRIPTION	NEW ATTACHING HARDWARE	QTY. PER BRACKET	HARDWARE BAG NUMBER
<b>FRONT</b>						
75	2171038	1	Front Bracket - Driver Side	5/8" X 1-1/2" Coarse Thread Bolt, Grade 8 5/8" SAE Washer 1/2" X 1-1/2" Coarse Thread Bolt, Grade 8 1/2" SAE Washer 1/2" X 1-1/2" Coarse Thread Countersunk Bolt, Grade 5 2171137 Tab Nut - 5/8" Long Arm Front Driver / Passenger Link Bracket Frame 2171104 Tab Nut - 1/2" Long Arm Front Bracket - Upper -Driver Side 2171102 Tab Nut - 1/2" Long Arm Front Bracket - Driver Side 2171230 Tab Nut - 1/2" Long Arm Front Bracket - Lower - Driver/Passenger	1 1 3 3 2 1 1 1 1	77-5840     77-5840A
84	2171039	1	Front Bracket - Passenger Side	5/8" X 1-1/2" Coarse Thread Bolt, Grade 8 5/8" SAE Washer 1/2" X 1-1/2" Coarse Thread Bolt, Grade 8 1/2" SAE Washer 1/2" X 1-1/2" Coarse Thread Countersunk Bolt, Grade 5 9/16" X 5" Coarse Thread Bolt, Grade 8 9/16" SAE Washer 9/16" Coarse Thread Nyloc Nut 2171137 Tab Nut - 5/8" Long Arm Front Driver / Passenger Link Bracket Frame 2171105 Tab Nut - 1/2" Long Arm Front Bracket - Upper - Passenger Side 2171230 Tab Nut - 1/2" Long Arm Front Bracket - Lower - Driver/Passenger 2171231 Tab Nut - 1/2" Long Arm Front Bracket - Passenger Side	1 1 3 3 2 3 3 3 1 1 1 1	77-5840        77-5840A
90	2171045	1	Transmission X-Member	9/16" X 5-1/2" Coarse Thread Bolt, Grade 8 9/16" Coarse Thread Nyloc Nut 9/16" SAE Washer 1/2" X 1-1/2" Coarse Thread Countersunk Bolt, Grade 5 1/2" X 2-1/2" Coarse Thread Bolt, Grade 8 1/2" SAE Washer 1/2" Coarse Thread Nyloc Nut 2171136 Tab Nut - Long Arm Transmission Driver/Passenger X-Member Frame	4 4 8 2 1 2 1 2	77-5840       77-5840A
95	55-17-5825	2	Front Bump Stop Spacers	3/8" X 1-3/4" Coarse Thread Bolt, Grade 8 55-08-5800 - 3/8" Tab Nut 3/8" SAE Washer	1 1 1	77-5844  77-5844A
97	01-588	1	Dual Rate Coil Spring, Front Dr Side			
	02-588	1	Dual Rate Coil Spring, Front Pa Side			
100	2171052	2	Front Upper Link - Driver/Passenger Complete Assembly	9/16" X 4" Coarse Thread Bolt, Grade 8 9/16" SAE Washer 9/16" Coarse Thread Nyloc Nut	2 1 1	77-5841
103	2171103	1	Front Lower Link - Driver Complete Assembly	5/8" X 4-1/2" Coarse Thread Bolt, Grade 8	1	77-5842
	2171113	1	Front Lower Link - Passenger Complete Assembly	5/8" SAE Washer 5/8" Coarse Thread Nyloc Nut	1 1	
107	65953212J	2	SL Shocks, Front			
107	985-24-177	2	Fox Shocks, Front			
107	885-24-183	2	Fox Res Shocks, Front			
107	20C001-375	2	King 2.0 Shocks, Front			
114	55-19-5825	2	Front Sway Bar Link	01-60418 - Hourglass Bushing 24-5704 - Sleeve, 0.75" OD X 0.50" ID X 1.50" Long 1/2" X 2-3/4" Coarse Thread Bolt 1/2" SAE Washer 1/2" Coarse Thread Nyloc Nut	2 2 1 2 1	77-5844A  77-5844
118	55-30-5825	1	Front Track Bar Brace	9/16" X 3-1/2" Coarse Thread Bolt, Grade 8 9/16" SAE Washer 9/16" Coarse Thread Nyloc Nut 1/2" X 1-1/4" Coarse Thread Bolt, Grade 8 1/2" SAE Washer 1/2" Coarse Thread Nyloc Nut F4701 - Thread Locker	1 1 1 1 2 1 1	77-5805
123	66-23-5825	1	Front Adjustable Track Bar			

STEP	PART NUMBER	QTY. PER KIT	DESCRIPTION	NEW ATTACHING HARDWARE	QTY. PER BRACKET	HARDWARE BAG NUMBER	
<b>REAR</b>							
1	2171072	1	Rear Lower Link Frame Bracket - Driver Side	5/8" X 1-1/2" Coarse Thread Bolt, Grade 8	2	77-5843	
				5/8" X 5" Coarse Thread Bolt, Grade 8	1		
				5/8" SAE Washer	3		
				1/2 X 1-1/2", Coarse Thread Countersunk Bolt, Grade 5	1		
				2171087 Tab Nut - 1/2" Bottom Bolts Rear Driver Long Arm Frame Bracket	1		77-5843A
				2171088 Tab Nut - 5/8" Double Rear Driver Long Arm Frame Bracket	1		
				2171089 Tab Nut - 5/8" Single Rear Driver/Passenger Long Arm Frame Bracket	1		
1	2171073	1	Rear Lower Link Frame Bracket - Passenger Side	5/8" X 1-1/2" Coarse Thread Bolt, Grade 8	2	77-5843	
				5/8" X 5" Coarse Thread Bolt, Grade 8	1		
				5/8" SAE Washer	3		
				1/2 X 1-1/2", Coarse Thread Countersunk Bolt, Grade 5	1		
				2171168 Tab Nut - 1/2" Bottom Bolts Rear Driver Long Arm Frame Bracket	1		77-5843A
				2171169 Tab Nut - 5/8" Double Rear Driver Long Arm Frame Bracket	1		
				2171089 Tab Nut - 5/8" Single Rear Driver/Passenger Long Arm Frame Bracket	1		
8	55-01-5840	1	Control Arm Bracket, Rear Upper Driver Side	55-04-5841 - 9/16" Tab Nut	1	77-5843A	
				55-02-5840	1		Control Arm Bracket, Rear Upper Passenger Side
					9/16" X 1-1/2" Bolt, Coarse Thread	1	77-5843
					9/16" SAE Washer	3	
					1/2" X 1-1/2" Bolt, Coarse Thread	1	
					1/2" SAE Washer	1	
					9/16" Flange Nut, Coarse Thread	1	
					9/16" X 4" Bolt, Coarse Thread	1	
					12	66-06-5840	
9/16" SAE Washer	2						
9/16" Nyloc Nut, Coarse Thread	1						
20	2171091	2	Rear Lower Link	5/8" X 5" Coarse Thread Bolt, Grade 8	1	77-5845	
				5/8" SAE Washer	2		
				5/8" Nyloc Nut	1		
23	55-18-5825	2	Jeep J Rear Bump Stop Spacers	3/8" X 1-3/4" Coarse Thread Bolt, Grade 8	2	77-5844	
				3/8" SAE Washer	4		
				3/8" Coarse Thread Flange Nut	2		
24	01-597	1	Dual Rate Coil Spring, Rear Dr Side				
	02-597	1	Dual Rate Coil Spring, Rear Pa Side				
26	66-24-5825	1	Rear Adjustable Track Bar				
28	65953312J	2	SL Shocks, Rear				
28	985-24-178	2	Fox Shocks, Rear				
28	985-24-184	2	Fox Res Shocks, Rear				
28	20C001-376	2	King 2.0 Shocks, Rear				
31	55-33-5825	2	Rear Sway Bar Spacer	10mm X 60mm 1.5 Pitch	2	77-5844	
				10mm Flat Washer	2		
32	44-17-5040	2	Rear Sway Bar Links	01-60418 - Hourglass Bushing	2	77-5844A	
				24-5704 - Sleeve, 0.75" OD X 0.50" ID X 1.50" Long	2		
				1/2" X 2-3/4" Coarse Thread Bolt, Grade 8	1	77-5844	
				1/2" SAE Washer	2		
				1/2" Coarse Thread Nyloc Nut	1		

## DISASSEMBLY AND FRONT INSTALLATION

Save ALL factory components and hardware for reuse, unless noted.

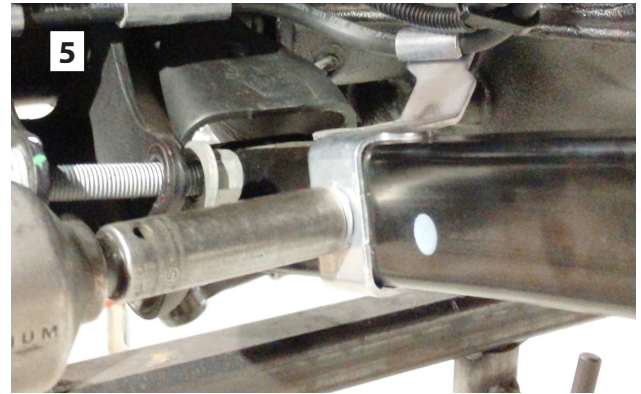
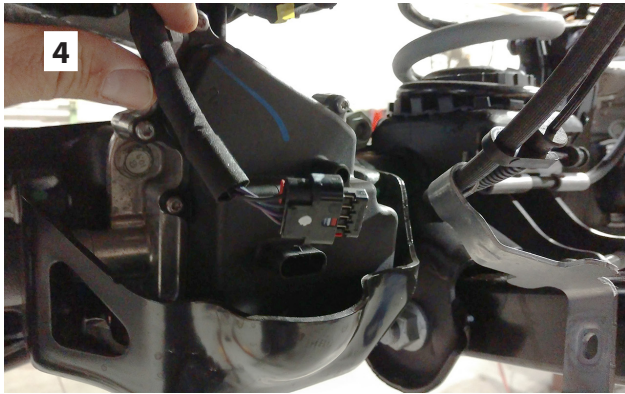
1. Disconnect the battery.
2. Chock rear tires and place transmission in neutral.
3. Raise the front of vehicle with a jack and secure a jack stand beneath each frame rail.
4. Ease the frame down onto the stands, place transmission in low gear for manual transmission or park for automatic.
5. Raise the rear of vehicle with a jack and secure a jack stand beneath each frame rail, leave plenty of room to lower the axle.
6. Ease the frame down onto the stands, place transmission in low gear for manual transmission or park for automatic.
7. Remove the front and rear wheels and tires.
8. [Illustration 1] Disconnect the sway bar factory hardware from the frame and axle mounts and remove links. [6mm Allen, 18mm]
9. [Illustration 2] Disconnect the track bar from the frame and the axle and remove. [21mm]
10. [Illustration 3] On Rubicon's, the driver's side axle, unplug the harness plug.
11. Unclip the wiring harness clips from the axle. [Plastic Fastener Removal Tool]
12. On the passenger's side located on the inner frame rail above the axle, remove the zip tie from the wiring harness on the center axle disconnect (CAD).



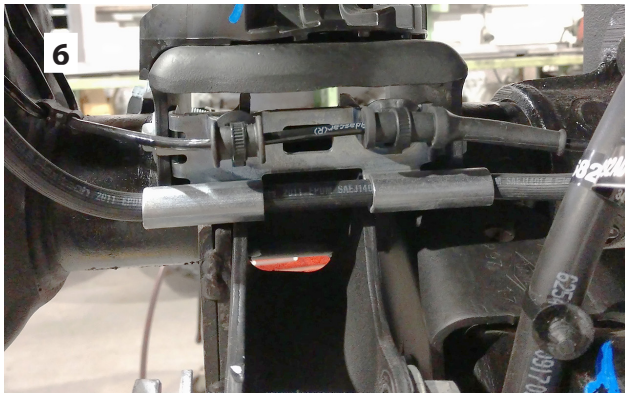
13. Unclip the wiring harness clips from the frame. [Plastic Fastener Removal Tool]
14. [Illustration 4] At the passenger's side axle, unplug the CAD harness.



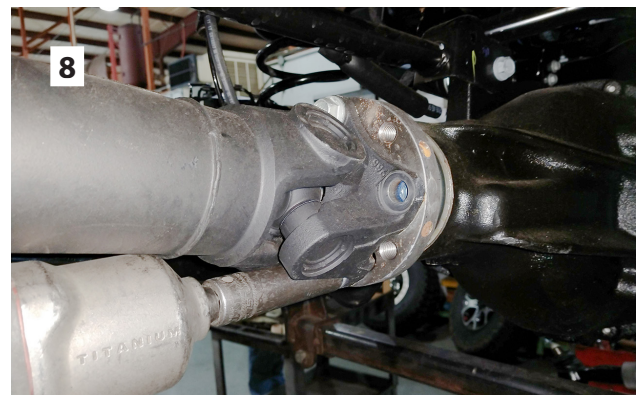
15. Unclip wiring clips from front axle, making sure there is adequate slack on all wires. [Plastic Fastener Removal Tool]
16. [Illustration 5] On both the driver's side and passenger's side, disconnect the brake line bracket from the lower link arm. [15mm]



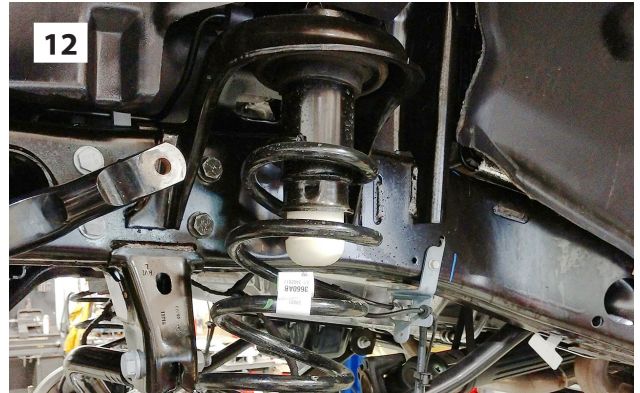
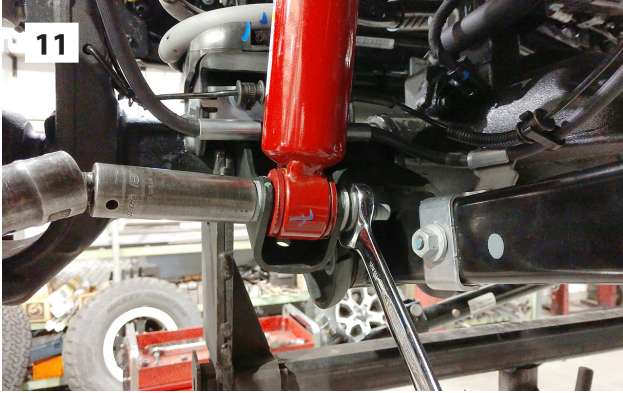
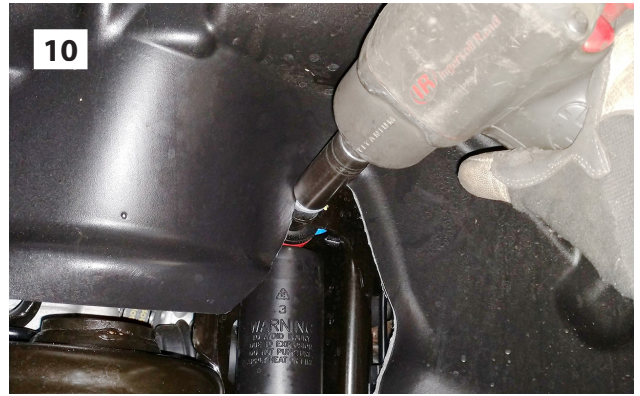
17. [Illustration 6] On both the driver's side and passenger's side, disconnect the brake line bracket from the coil spring seat. [10mm]
18. [Illustration 7] Locate the brake line bracket attached on the driver's side frame to the rear of the shock tower and unclip the axle vent hose clip from the brake line bracket. [Plastic Fastener Removal Tool]



19. Follow the vent tube up and unclip the frame attachment. [Plastic Fastener Removal Tool]
20. Continue to follow the vent tube up and unclip from the shock tower that is behind the wheel well plastic. [Plastic Fastener Removal Tool]
21. [Illustration 8] Remove the front driveshaft from the differential and the transfer case and remove from the vehicle. [T50 torx] NOTE: This kit requires a new front driveshaft.



22. [Illustration 9] Using the appropriate puller tool, separate the drag link from the pitman arm. [21mm]
23. [[Illustration 10 & 11] With the axle supported with a jack or jack stands, disconnect the shock from the upper and lower shock tower mounts and remove. [18mm]



24. [Illustration 12] Lower the axle enough and remove the front coil springs. Note: Both the upper and lower coil isolators are side specific and need to be marked "driver" and "passenger".

25. [Illustration 13] Disconnect lower link arms from the frame and axle mounts and remove. [21mm, 24mm]

26. [Illustration 14] Remove the heat shields from the upper link arm pockets. [10mm]



27. [Illustration 15] Disconnect upper link arms from the frame and axle mounts and remove. [18mm, 21mm]

28. [Illustration 16] Remove the front crossmember and skid plate located below the exhaust "y" pipe. [13mm, 18mm]

29. [Illustration 17] On the driver's side exhaust, from the rear weld bead on the catalytic converter measure down 2" and cut the exhaust in two, then unbolt it from the collector at the transfer case.

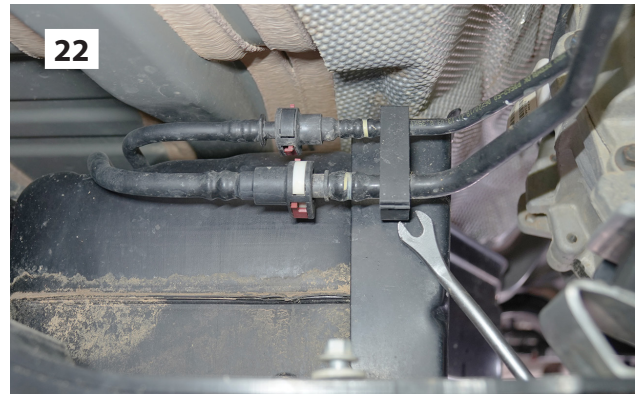
30. [Illustration 18] On the passenger's side exhaust, unbolt the collector at the exhaust manifold above the catalytic converter, then unbolt it from the collector behind the transfer case and remove from vehicle.



31. Mark the orientation of the rear driveshaft and yokes, then remove the rear driveshaft.
32. [Illustration 19] Remove the fuel line shield from the passenger's side frame rail and transmission crossmember. [10mm]
33. [Illustration 20] On the main fuel fill line, loosen the hose clamp at the fuel tank and disconnect hose. [7mm]
34. Cover both the fill line and the fuel tank inlet with a clean covering to prevent any contamination.



35. [Illustration 21] Near the fuel inlet there is a fuel line with a white clip with a blue locking clasp, pull back on the blue clip and squeeze the back side to separate the two lines.
36. Cover both ends of the fuel line with a clean covering to prevent any contamination.
37. [Illustration 22] At the front of the fuel tank there are two lines in a plastic holder that is clipped to the fuel tank skid plate, unclip this holder from the skid plate. [Plastic Fastener Removal Tool]
38. [Illustration 23] Disconnect the two fuel lines (black with white clip and black with black clip).

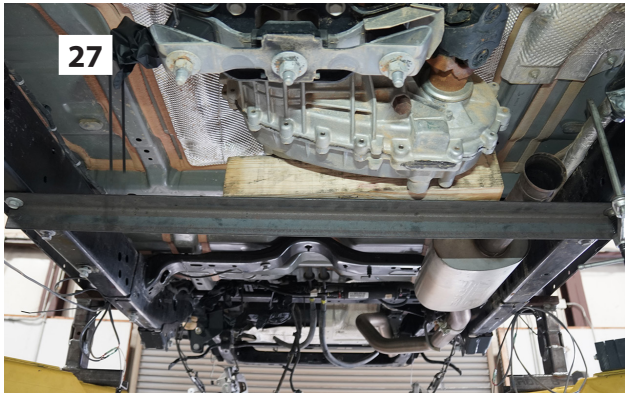


39. Cover both ends of the fuel lines with a clean covering to prevent any contamination.
40. Position a jack under the fuel tank.
41. [Illustration 24] Remove the seven bolts holding the fuel tank in place and lower tank just enough to access the top of the fuel tank. [18mm]
42. [Illustration 25] Disconnect the electrical plug and remaining fuel lines (black with green clip, black with blue clip, and black with red clip).



43. Cover both ends of all the fuel lines with a clean covering to prevent any contamination.
44. Slowly and carefully lower fuel tank to the ground making sure all lines have been disconnected.
45. Place a jack under the transfer case.
46. [Illustration 26 & 27] Remove the transmission crossmember. [18mm, 21mm] NOTE: A piece of angle iron can be used to support the transfer case so the jack can be removed. Cut the angle iron to length and drill a hole at one end to bolt it to the frame on the passenger's side and clamp it to the driver's side. Place a 2x4 on top of the angle iron under the transfer case rear driveshaft yoke and carefully lower the jack.





47. [Illustration 28] On the driver's side and passenger's side, remove the brake line bracket from the upper link arm bracket at the axle. [13mm]

48. [Illustration 29] Disconnect the axle vent tube from the axle.

49. On Rubicon's, the rear axle, unplug the locker wiring harness from the differential.

50. Follow the wiring harness up and unclip the wiring harness clips from emergency brake cable.



51. Continue up the wiring harness and unclip the two wiring harness clips from the frame mount on the driver's side located on the inner frame rail above the axle. [Plastic Fastener Removal Tool]

52. On the driver's side located on the inner frame rail above the axle, unplug the harness plug.

53. Unclip the wiring harness clips from the frame. [Plastic Fastener Removal Tool]

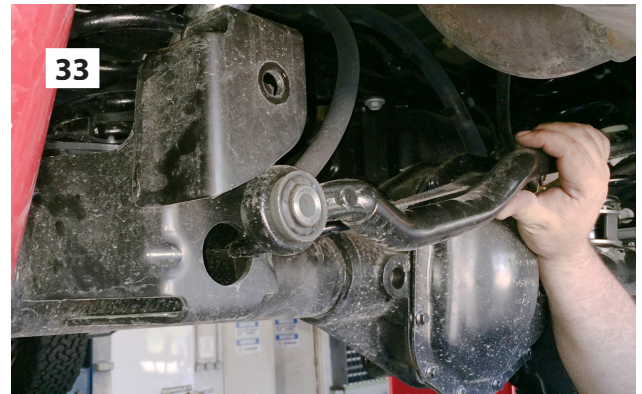
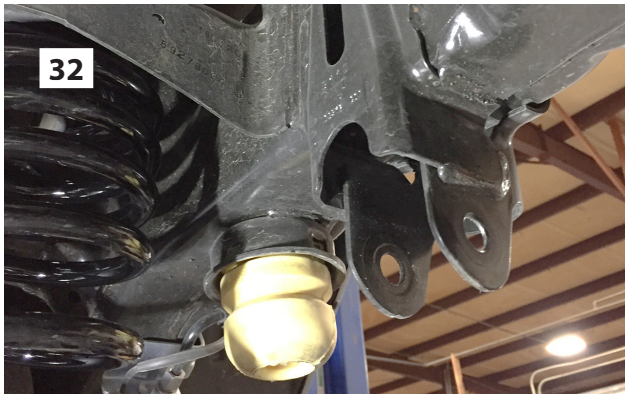
54. [Illustration 30] Disconnect the emergency brake from the rear axle by pinching the ears of the aluminum fitting to release it from the mount. [Pliers]

55. [Illustration 31] Disconnect the hook end from the ring on the brake housing.



56. [Illustration 32 & 33] Disconnect the rear track bar from the frame bracket and the axle; remove. [21mm]

57. Disconnect the sway bar link at frame and at the axle mount and remove. [6mm Allen, 18mm]



58. Disconnect the sway bar from the frame. [15mm]
59. With the axle supported with a jack or jack stands, disconnect the shock from the upper and lower shock tower mounts and remove. [18mm]
60. [Illustration 34] At the back of the rear fender, remove the three bolts retaining the rear bumper inner fender liner. [8mm]
61. [Illustration 35] Lower the axle and remove the coil springs. NOTE: The factory upper spring isolator are side specific to properly align with the frame holes so be sure to mark the isolators 'driver' and 'passenger'.



62. Disconnect lower link arms from the frame and axle factory mounts and remove. [21mm, 24mm]
63. Disconnect upper link arms from the frame and axle factory mounts and remove. [18mm, 21mm]
64. [Illustration 36] Make certain all wiring and fuel lines are clear of harm, then using the appropriate cutting tool, remove the rear upper and lower link arm mounts from the frame.
65. [Illustration 37] Grind the frame smooth, removing all of the bracket and weld. NOTE: The lower bracket has a secondary plate that is flat against the inside of the frame that must be removed as well.



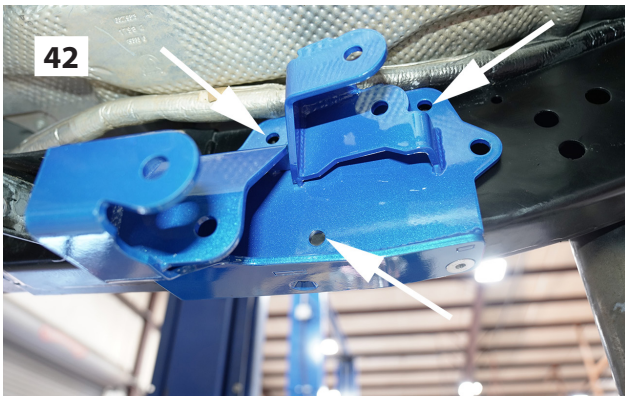


66. Clean the surface of the cut area and paint.
67. [Illustration 38] Locate the body mount located in front of the rear fender opening. On the rear vertical leg of the body mount mark a horizontal line 1" up from the bottom.
68. [Illustration 39] Cut along the line with the appropriate cutting tool up to the weld then follow the weld down the side of the frame. Cut the remaining lip of the bracket off as well.
69. This step must be done on both sides to allow the upper link arm bracket to sit flush on the frame.
70. [Illustration 40] Make certain all wiring and fuel lines are clear of harm, then using an appropriate cutting tool, remove the front upper and lower link arm mounts from the frame.
71. [Illustration 41] Grind the frame smooth, removing all of the bracket and weld. NOTE: The lower bracket has a secondary plate that is flat against the inside of the frame that must be removed as well.
72. [Illustration 41] Clean the surface of the cut area and paint.

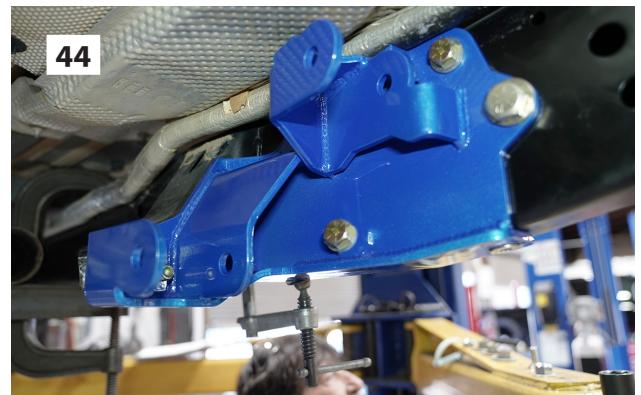


73. On the driver's and passenger's side frame rail where the front crossmember was originally mounted, locate the 12mm threaded hole; drill through the threaded hole with a 1/2" drill bit.
74. Continue one side at a time, starting on the driver's side.

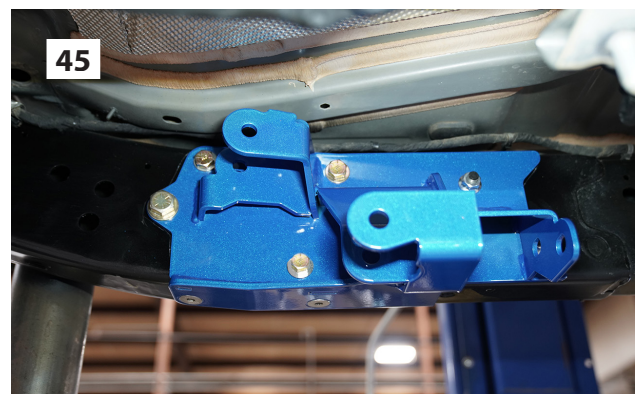
75. [Illustration 42] Attach the new driver front upper and lower long arm bracket (2171038) to the frame using the supplied 1/2" x 1-1/2" countersunk bolts through the bottom front and rear holes and loosely secure using the new tab nut (2171102); snug but do not tighten. [5/16" allen]
76. Install the supplied 9/16" x 5-1/2" bolts and nyloc nuts through the factory transmission mount and snug. NOTE: These are being installed now for alignment and must be removed after the link arm mount installation is complete.
77. [Illustration 44] Clamp the bracket tightly to the frame and install the supplied 5/8" x 1-1/2" bolt into the middle hole and secure using the new tab nut (2171137); tighten. [15/16"]
78. [Illustration 42 & 43] Drill both front and rear upper holes to 1/2"; only drilling through the inside frame plate.



79. [Illustration 44] Install the supplied 1/2" x 1-1/2" bolts through the newly drilled holes and secure using the new double tab nut (2171104); tighten. [3/4"]
80. [Illustration 42 & 43] Drill the lower hole to 1/2"; only drilling through the inside frame plate.
81. [Illustration 44] Install the supplied 1/2" x 1-1/2" bolt through the newly drilled hole and secure using the new supplied tab nut (2171230); tighten. [3/4"]
82. Remove the 9/16" bolts installed in the transmission crossmember mount.
83. Continue on to the passenger's side.

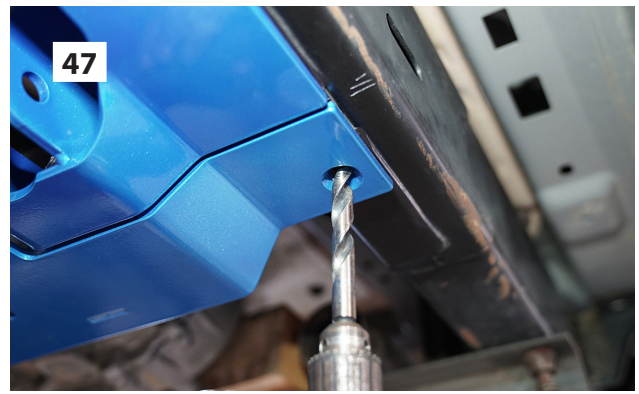
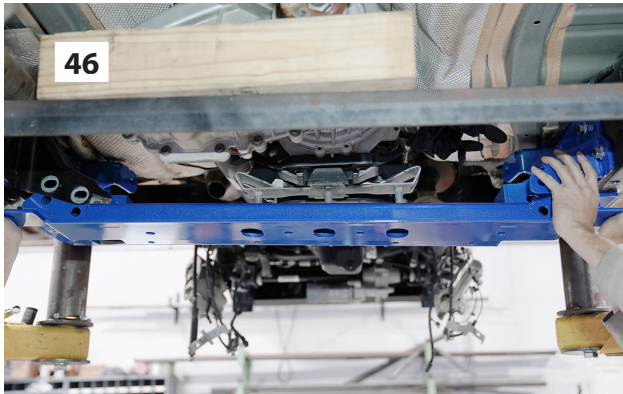


84. [Illustration 45] Attach the new passenger's side front upper and lower long arm bracket (2171039) to the frame using the 1/2" x 1-1/2" countersunk bolts through the bottom front and rear holes and loosely secure using the new tab nut (2171231); snug but do not tighten. [5/16" allen]
85. [Illustration 45] Install the supplied 5/8" x 1-1/2" bolt into front middle hole and secure using the new tab nut (2171137). [15/16"]



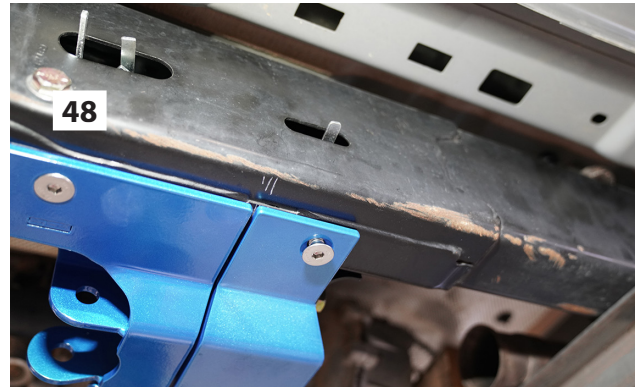


86. [Illustration 45] Tighten the 1/2", 5/8", and 9/16" bolts to the appropriate torque specifications.
87. [Illustration 45] Drill the top front and rear upper and lower holes to 1/2"; only drilling through the inside of the frame.
88. [Illustration 45] Install the supplied 1/2" x 1-1/2" bolts through all the newly drilled holes and secure the upper bolts using the new tab nut (2171105) and the lower bolt using the new tab nut (2171230); tighten. [3/4"]
89. Make sure all hardware has been tightened to appropriate torque specs.
90. [Illustration 46] Install the new transmission crossmember (2171045) by aligning the three studs on the bottom of the transmission and loosely secure with the factory hardware. [21 mm]
91. [Illustration 46] Attach the crossmember to the control arm brackets on each side using the supplied 9/16" x 5-1/2" bolts, washers, and nyloc nuts with the bolts installed from the front; snug but do not tighten. [13/16", 7/8"]



92. [Illustration 47] Where the crossmember contacts the bottom of the frame rail, using the bracket as a template, drill a hole in the frame to 1/2".

93. [Illustration 48] Install the supplied 1/2" x 1-1/2" countersunk bolts and secure using the new tab nut (2171136). [5/16"]



94. Tighten all the transmission hardware including the transmission studs.

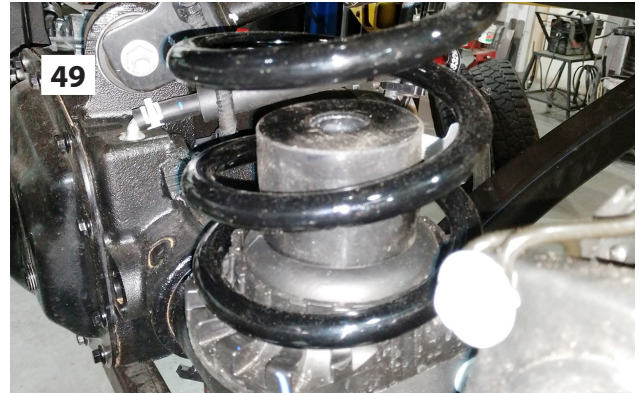
95. Locate the new front bump stops (55-17-5825) and insert the supplied 3/8" x 1-1/4" bolt and washer into the top of the bump stop through the recessed hole.

96. Locate the new front coil springs; they are driver and passenger side specific.

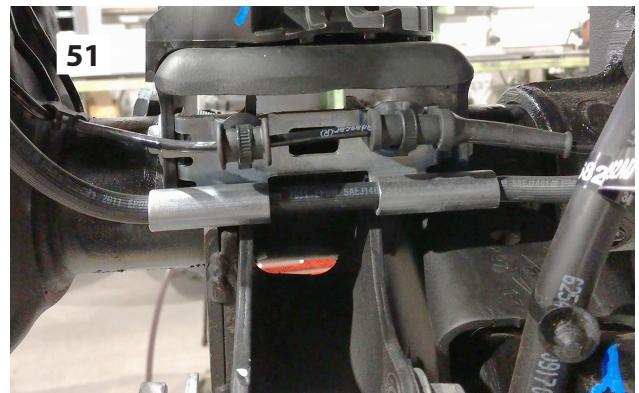
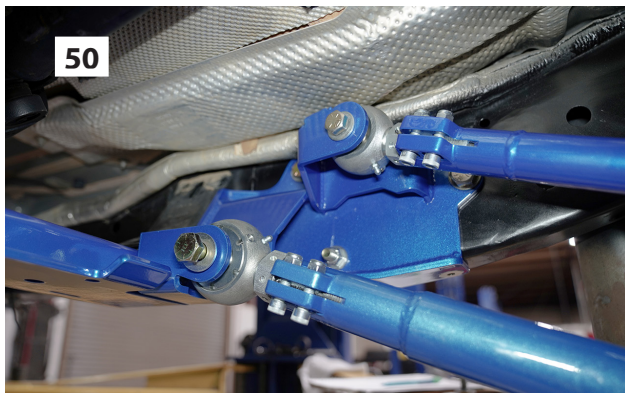
97. Place the bump stop inside of the new side specific coil spring (01-588 driver, 02-588 passenger) with the bolt pointing down.

98. [Illustration 49] Install the front coil spring (with bump stop inside) into the upper tower first. Be sure that the coils are indexed so they seat properly, then raise the axle enough to hold the coil springs in place.

99. Align the bump stop bolt into the factory bump stop pad hole and secure using the new 3/8" tab nut (55-08-5825). Tighten. [9/16"] (25) NOTE: On the passenger's side remove the ABS bracket to install the tab nut; reinstall once bump stop is installed. [10mm]



100. [Illustration 50] Locate the new upper link arms (2171052) and make sure the double adjuster and the threaded rod end are both threaded all the way into the arm with the grease fitting at the bottom and the pinch bolts are to the inside of the vehicle and bolt heads pointing down.
101. [Illustration 50] Install the upper link arms into the frame bracket and secure with the supplied 9/16" x 4" bolt, washer, and nyloc nut; tighten. [13/16", 7/8"]
102. Attach the upper link arm to the axle and secure using the factory hardware; do not tighten. [18mm]
103. [Illustration 50] Locate the new lower link arms (2171103 driver, 2171113 passenger) and make sure the double adjuster and the threaded rod end are both threaded all the way into the arm with the grease fitting at the top and the pinch bolts are to the inside of the vehicle and bolt heads pointing down.
104. [Illustration 50] Install the lower link arms into the frame bracket and secure with the supplied 5/8" x 4-1/2" bolt, washer, and nyloc nut; tighten. [15/16"]
105. Attach the lower link arm to the axle and secure using the factory hardware; do not tighten. [21mm]
106. [Illustration 51] Reconnect factory brake line bracket to the axle coil spring seat. [10mm]



107. Install the new front shocks (SL 65953212J, FOX 985-24-177, FOX RESI 885-24-183, KING 20001-375) into the upper mount; tighten the upper hardware until bushings swell slightly. [18mm]
108. Attach the shock at the lower mount at the axle using the factory hardware; do not tighten. [18mm] NOTE: Shocks will be tightened when the vehicle is set on the ground.
109. Re-clip the axle vent hose clip to the brake line bracket and the shocks tower.

110. Install the new driveshaft and yokes per the manufactures' instructions.
111. Reconnect the drag link to the pitman arm.
112. Plug the locker wiring harness together and re-clip to the inside of the frame.
113. Plug the center axle disconnect wiring harness together and re-clip back to the inside of the frame.
114. Lightly grease and install the hourglass shaped bushing and 0.50" ID sleeve into each end of the new sway bar link end (55-19-5825 shorter of the links supplied).

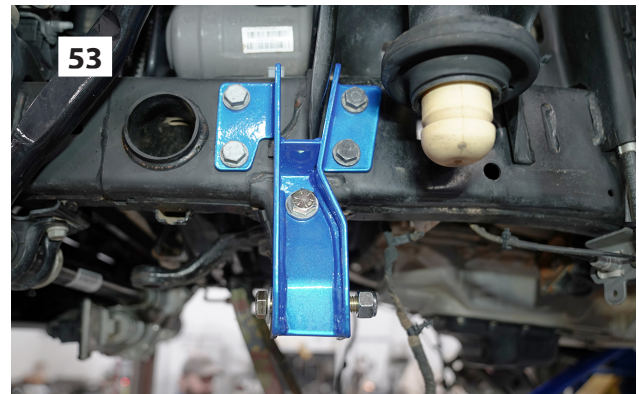
115. [Illustration 52] Attach the upper end of the sway bar link to the sway bar; secure using the supplied 1/2" x 2-3/4" bolt, washer, and nyloc nut, placing the washer on the bolt head and the bolt installing into the link then the sway bar body. Snug but do not tighten. [19mm] NOTE: The lower mount will be attached once the vehicle is lowered to the ground.



116. Remove the four factory bolts holding the steering gear box to the frame. [18mm] NOTE: Do NOT let the steering gear box fall to the side abruptly.

117. Apply thread locker (F4701) to the four factory steering gear box bolts.

118. [Illustration 53] Position the new track bar bracket (55-30-5825) onto the outer frame rail and align with the steering gear box mounting holes.



119. Starting with the upper front bolt, install a factory bolt through the bracket, frame rail and through the gear box; secure with the factory nut. Snug but do not tighten.
120. Repeat process and install the remaining three bolts and nuts. Snug but do not tighten.
121. Tighten all four bolts. [18mm]
122. Insert the supplied 1/2" x 1-1/4" bolt and washer through the track bar into the existing hole in the frame rail and secure with the washer and nyloc nut; tighten. [3/4"] (90)
123. On the new track bar (66-23-5825), make sure the double adjuster and the threaded rod end are both threaded all the way into the arm and the pinch bolts are on the bottom and bolt heads to the outside.
124. Insert the track bar nonadjustable end into the upper bracket and secure with the supplied 9/16" x 3-1/2" bolt, washer, and nyloc nut with the bolt going from front to rear. Snug but do not tighten. [13/16", 7/8"] (130) NOTE: The track bar will be reattached to the axle and torqued when the vehicle is lowered to the ground.
125. Install the front tires and wheels.

## REAR INSTALLATION

1. [Illustration 1] Install the new lower link arm frame mount (2171072 driver, 2171073 passenger) on the frame and secure the upper hole with the supplied 5/8" x 1-1/2" bolt, washer, and new tab nut (2171089). Snug but do not tighten. [15/16"]
2. [Illustration 1] Install the supplied 5/8" x 1-1/2" bolt and washer into the lower front hole and secure with new tab nut (2171088 driver, 2171169 passenger). Do not tighten.
3. [Illustration 1] Install the supplied 5/8" x 5" bolt and washer into the lower rear hole and into the previously installed tab nut. Do not tighten.
4. [Illustration 1] Make sure bracket is pushed tight against the frame and tighten the front lower bolt and the upper bolts. Snug the rear lower bolt.
5. [Illustration 1] Using the bracket as a template, drill the bottom holes to 1/2".
6. [Illustration 1] Install the supplied 1/2" x 1-1/2" countersunk bolts into the newly drilled holes and secure with the new tab nut (2171087 driver, 2171169 passenger). Tighten. [5/16" Allen] With the bracket securely fastened to the frame, clean all accessible edges of the bracket and where it contacts the frame, as well as the frame in those areas, then weld to the frame. After it has cooled, clean, prime, and paint all welded areas.



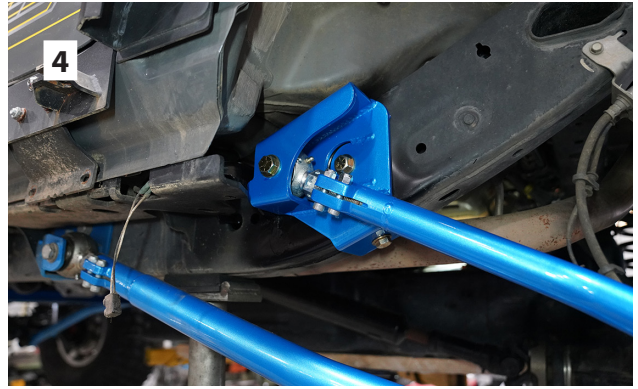
7. [Illustration 2] Reroute the emergency brake cables so they are under the rear crossmember and to the front side of the fuel filler hose.
8. [Illustration 3] Place the new rear upper control arm bracket (55-01-5840 driver side and 55-02-5840 passenger side) on the frame behind the body mount located in front of the rear wheelwell. Line the holes up in the side and bottom of the frame and loosely secure using the supplied hardware with the 9/16" x 1-1/2" bolt, washer, and nut on the side rear hole and the 1/2" x 1-1/2" bolt, washer, and tab nut (55-03-5840).



9. Tighten the 9/16" bolt. [13/16"] (110)
10. Tighten the 1/2" bolt. [3/4"] (80). With the bracket securely fastened to the frame, clean all accessible edges of the bracket and where it contacts the frame, as well as the frame in those areas, then weld to the

frame. After it has cooled, clean, prime, and paint all welded areas.

11. [Illustration 3] Using the upper bracket as a template, drill a 9/16" hole through the control arm mount into the frame.
12. [Illustration 4] Install the new upper control arms (55-06-5840) into the frame brackets using the supplied 9/16" bolts, washers, and tab nut (55-04-5841); making sure the pinch bolts are to the outside and the bolt head pointing downward. [13/16"] (100)



13. Lift the fuel tank into place leaving enough space to reconnect all fuel lines and electrical plugs.
14. Attach the front of the fuel tank skid plate to the new crossmember using the supplied 1/2" x 2-1/2", washer, and nyloc nut.



15. [Illustration 5] Unbolt the two tabs holding the rubber filler neck hose to the body and bend the tabs up slightly then reattach the hose to the body.
16. [Illustration 6] Loosen the clamp holding the rubber filler hose to the metal filler neck and slide the rubber hose down 3/8" to 1/2". [6mm]

17. Lift the tank fully into place.

18. Attach the rubber filler hose to the fuel tank and tighten both clamps. [6mm]

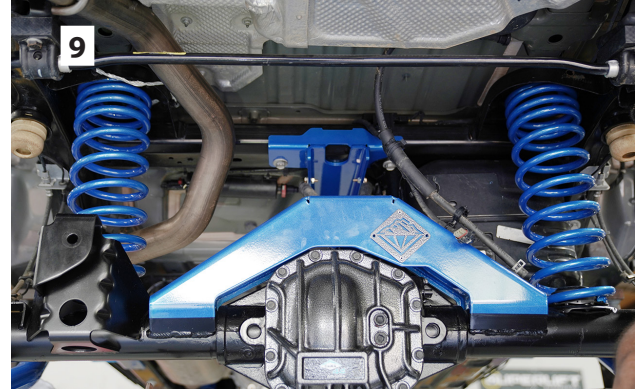
19. Reinstall all the fuel tank skid plate bolts. NOTE: The front passenger's side mount of the upper link arm bracket will go between the frame and the fuel tank skid plate.

20. [Illustration 7] Install the new rear lower link arms (2171091 driver, 2171093 passenger) in the upper link arm mount using the supplied 5/8" x 5" bolt, washers, and nyloc nut. Tighten. [15/16"]



21. Attach the lower link to the axle mount and secure using the factory hardware; do not tighten. [21mm]

22. Attach the upper links to the axle mounts and secure using the factory hardware; do not tighten. [21mm]
23. [Illustration 8] Place the new rear bump stop spacers (55-18-5825) onto the bump stop axle pad and secure the 3/8" x 1-1/4" bolt, washer, and flange nut. [9/16"] (30)
24. [Illustration 9] Place the correct factory spring isolator onto of the new side specific coil spring (01-597 driver, 02-597 passenger).



25. [Illustration 9] With the isolators properly installed on the coils, place the coils on the lower seat and index correctly so they seat properly, then raise the axle enough to hold the coil springs in place.
26. [Illustration 10] On the new track bar (66-24-5825), make sure the double adjuster and the threaded rod end are both threaded all the way into the arm and the pinch bolts are on the bottom and bolt heads to the outside.
27. [Illustration 10] Insert the track bar adjustable end into the upper bracket and secure with the factory hardware. Snug but do not tighten. [21mm] (130)
28. [Illustration 11] Install the new shocks (SL 65953312J, FOX 985-24-178, FOX RESI 985-24-184, KING 20C001-376) using the factory hardware at the upper frame mount. [18mm]

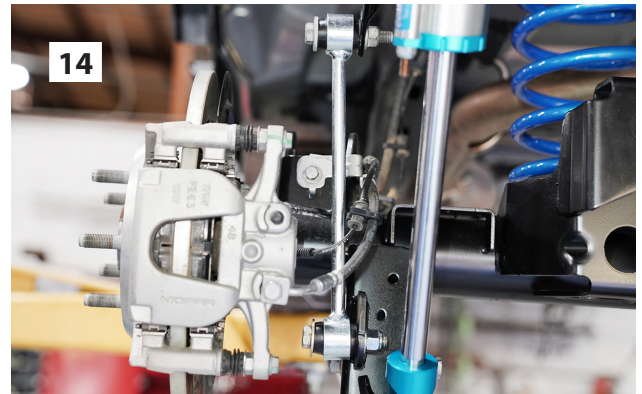


29. Install the shocks at the lower mount at the axle using the factory hardware with the bolt pointing inward. Snug but do not tighten. [18mm]
30. [Illustration 12] Reattach the rear bumper inner fender liner using the factory hardware. [8mm]
31. [Illustration 13] Install the new sway bar spacer (55-33-5825) between the frame and the sway bar; secure to the frame using the supplied 10mm x 60mm bolts and washers. Tighten. [17mm]



32. Lightly grease and install the hourglass shaped bushing and 0.50" ID sleeve into each end of the new sway bar link end (44-17-5040).

33. [Illustration 14] Attach the upper end of the sway bar link to the sway bar; secure using the supplied 1/2" x 2-3/4" bolt, washer, and nyloc nut, placing the washer on the bolt head and the bolt installing into the link then the sway bar body. Snug but do not tighten. [3/4"] The lower will be connected once the vehicle is on the ground.



34. Reattach the brake line bracket to the upper link arm bracket at the axle. [13mm]

35. Reconnect the axle vent tube routing it through the truss.

36. Plug the locker wiring harness back into the differential plug.

37. Follow the wiring harness up and re-clip the wiring harness clips to emergency brake cable.

38. Continue up the wiring harness and re-clip the two wiring harness clips back to the frame mount on the driver side located on the inner frame rail above the axle.

39. Reconnect the emergency brake cables by pinching the ears of the aluminum fitting to clip it back into place the axle mount. [Pliers]

40. Reconnect the hook end to the ring on the brake housing.

41. Install the rear tires and wheels.

## FINAL PROCEDURES

1. With the vehicle still on jack stands, and the suspension at full extension travel, check all components for proper operation and clearances. Pay special attention to clearance between the tires and wheels, brake hoses, ABS wires, locker wiring harness, driveshaft, etc.
2. Lower the vehicle to the ground.
3. Connect the new front track bar to the axle mount using the factory hardware. [21mm]

4. Connect the new front sway bar links to the axle mounts using the factory hardware. [18mm]
5. Connect the rear new track bar to the axle mount using the factory hardware. [21mm]
6. Connect the new rear sway bar links to the axle mounts using the factory hardware. [18mm]
7. Tighten the hardware listed below in the order listed:
8. Front track bar at axle end (60). Front shock absorber eyes (55). Front sway bar links (75). Rear track bar (80). Rear shock absorber eyes (55). Rear sway bar links (75). All link arm pinch bolts (26). Front upper link arms at the axle. Front lower link arms at the axle (175). Rear lower link arms at the axle (175).
9. Align vehicle to factory OEM specifications. It is necessary to have a proper and professional wheel alignment performed by a certified alignment technician.
10. Adjust headlights to proper setting.
11. Activate the four wheel drive system and check for proper engagement.
12. Install the WARNING TO DRIVER decal on the inside of the windshield or on the dash within driver's view.

### **IMPORTANT MAINTENANCE INFORMATION**

It is the ultimate buyer's responsibility to have all bolts / nuts checked for tightness after the first 100 miles and then every 1000 miles. The steering, suspension and driveline systems, plus wheel alignment should be inspected by a qualified professional mechanic at least every 3000 miles.

### **LIMITED LIFETIME WARRANTY / WARNINGS**

Your SUPERLIFT® product is covered by the Limited Warranty explained below that gives you specific legal rights. This limited warranty is the only warranty SUPERLIFT® makes in connection with your product purchase. SUPERLIFT® neither assumes nor authorizes any retailer or other person or entity to assume for it any other obligation or liability in connection with this product or limited warranty.

### **SUPERLIFT, LLC, LIMITED LIFETIME WARRANTY**

What is covered? Subject to the terms below, SUPERLIFT® will repair or replace its products found defective in materials or workmanship for so long as the original purchaser owns the vehicle on which the product was originally installed. Your warranter is SUPERLIFT, LLC, doing business as SUPERLIFT® Suspension Systems ("SUPERLIFT®").

What is not covered? Your SUPERLIFT® Limited Warranty does not cover products SUPERLIFT® determines to have been damaged by or subjected to:

- Alteration, modification or failure to maintain.
- Normal wear and tear (bushings, rod ends, etc.). Scratches or defects in product finishes (powder coating, plating, etc.).
- Damage to, or resulting from, the vehicle's electronic stability system, related components or other vehicle systems.
- Racing or other vehicle competitions or contests. Accidents, impact by rocks, trees, obstacles or other aspects of the environment.
- Theft, vandalism or other intentional damage.

Remedy limited to repair or replacement. The exclusive remedy provided hereunder shall, upon SUPERLIFT's inspection and at SUPERLIFT's option, be either repair or replacement of the product covered under this Limited



Warranty. Customers requesting warranty consideration should contact SUPERLIFT® by phone (1-800-551-4955) to obtain a Returned Goods Authorization number. All removal, shipping and installation costs are customer's responsibility.

If a replacement part is needed before the SUPERLIFT® part in question can be returned, you must first purchase the replacement part. Then, if the part in question is deemed warrant-able, you will be credited / refunded.

#### **OTHER LIMITATIONS - EXCLUSION OF DAMAGES - YOUR RIGHTS UNDER STATE LAW**

- Neither SUPERLIFT® nor your independent SUPERLIFT® dealer are responsible for any time loss, rental costs, or for any incidental, consequential or other damages you may have.
- This Limited Warranty gives you specific rights, and this is the only warranty SUPERLIFT® makes in connection with your product purchase. You may also have other rights that vary from state to state. For example, while all implied warranties are disclaimed herein, any implied warranty required by law is limited to the terms of our Limited Lifetime Warranty as described above. Some states do not allow limitations of how long an implied warranty lasts and / or do not allow the exclusion or limitation of incidental or consequential damages, so the limitations and exclusions herein may not apply to you. SUPERLIFT® neither assumes nor authorizes any retailer or other person or entity to assume for it any other obligation or liability in connection with this product or Limited Warranty.

#### **IMPORTANT PRODUCT USE AND SAFETY INFORMATION / WARNINGS**

As a general rule, the taller a vehicle is, the easier it will roll over. Offset, as much as possible, what is lost in rollover resistance by increasing tire track width. In other words, go "wide" as you go "tall"; always use as wide a tire and wheel combination as feasible to enhance vehicle stability. We strongly recommend, because of rollover possibility, that the vehicle be equipped with a functional roll bar and cage system. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.

Generally, braking performance and capabilities are decreased when significantly larger / heavier tires and wheels are used. Take this into consideration while driving. Also, changing axle gear ratios or using tires that are taller or shorter than factory height will cause an erroneous speedometer reading. On vehicles equipped with an electronic speedometer, the speed signal impacts other important functions as well. Speedometer recalibration for both mechanical and electronic types is highly recommended.

Do not add, alter, or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the SUPERLIFT® product purchased. Mixing component brands is not recommended.

#### **THANKS for choosing SUPERLIFT...**

For questions, technical support and warranty issues relating to this SUPERLIFT products, please contact SUPERLIFT directly.

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