



## JEEP JK 6" LONGARM

Rough Country recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read instructions before beginning installation. Check the kit hardware against the parts list. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have needed tools.

### PRODUCT USE INFORMATION

As a general rule, the taller a vehicle is, the easier it will roll. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.

Generally, braking performance and capability are decreased when larger/heavier tires and wheels are used. Take this into consideration while driving. Do not add, alter, or fabricate any factory or after-market parts to increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands is not recommended.

Rough Country makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any product that is altered.

This suspension system was developed using a 37X12.50X17 tire with 4.5+to 4.75+of back spacing on aftermarket wheels. Stock wheels can be used with this kit with up to a 35x12.5 tire, but different tire manufactures designs may result in a tire width that could result in contact with the lower control arm and/or front sway bar link in a sharp turn. Please consult with your tire and wheel expert before purchasing. Also note that if wider tires are desired, offset wheels will be required.

- **IMPORTANT NOTE :** Upon completing the install of this kit the draglink must be adjusted to center the steering wheel **BEFORE** the vehicle is driven. Failure to do so will cause a computer error, odd handling, and poor performance.
- Driveshafts are available from Rough Country. The stock driveshafts do not have enough range of motion, thus the shaft joints bottom out and damage will occur. It is highly recommended that the stock shafts not be used and new yoke style shafts are installed.
- **2012 and newer JK will need exhaust modifications. An aftermarket 180 degree exhaust pipe is required.**

If question exist we will be happy to answer any questions concerning the design, function, and correct use of our products by calling 1-800-222-7023

### NOTICE TO DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough Country product should have a Warning to Driver+decal installed on the inside of the windshield or on the vehicle's dash. The decal should act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics.

INSTALLING DEALER - it is your responsibility to install the warning decal and forward these installation instructions on to the vehicle owner for review. These instructions should be kept in the vehicle for its service life.

#### Torque Specs:

Size	Grade 5	Grade 8
3/8+	30 ft/lbs	35 ft/lbs
7/16+	45 ft/lbs	60 ft/lbs
1/2+	65 ft/lbs	90 ft/lbs
9/16+	95 ft/lbs	130 ft/lbs
5/8+	135 ft/lbs	175 ft/lbs
3/4+	185 ft/lbs	280 ft/lbs
	Class 8.8	Class 10.9
12MM	55ft/lbs	75ft/lbs
14MM	85ft/lbs	120ft/lbs
16MM	130ft/lbs	165ft/lbs
18MM	170ft/lbs	240ft/lbs

#### Tools Needed:

- 10mm thru 22mm Sockets and Wrenches
- 5/8+thru 7/8+Sockets and Wrenches
- Adjustable Wrench
- Gloves
- Safety glasses
- Hand grinder
- Plasma cutter
- Resipiciating saw
- Tape measure
- 1 1/4+hole saw
- 3/8+, 17/64+, 13/32+drill bit
- Drill Motor

## KIT PICTURE



### Kit Contents

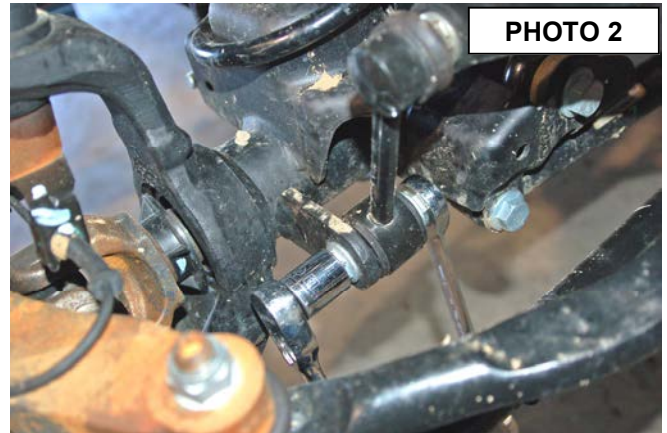
- Crossmember (A)
- Crossmember brace driver (B)
- Crossmember brace passenger (C)
- Front bumpstop ext. (D)
- Rear bumpstop ext. (E)
- Driver front lower control arm (F)
- Passenger front lower control arm (G)
- Driver upper control arm (H)
- Passenger upper control arm (I)
- Front swaybar disconnects (J)
- Front brake lines (K)
- Rear brake lines (L)
- Front 2.2 shocks (M)
- Rear 2.2 shocks (N)
- Front coil spring (O)
- Rear coil spring (P)
- Adjustable front track bar (Q)
- Driver rear lower control arm (R)
- Passenger rear lower control arm (S)
- Rear upper control arms (T)
- Driver rear control arm bracket (U)
- Passenger rear control arm bracket (V)
- Rear track bar bracket (W)
- Rear sway bar links (X)
- 4-Door skid plate bracket (Y)
- Skid plate (Z)
- Front track bar bracket (AA)
- Stabilizer bracket (BB)
- Pitman arm (CC)

## FRONT INSTALLATION INSTRUCTIONS

1. Prior to installing this kit, with the vehicle on the ground, measure the heights of your vehicle. This measurement can be recorded from the center of the wheel straight up to the top of the inner fender lip. Record the measurements.

LF: \_\_\_\_\_, RF: \_\_\_\_\_, LR: \_\_\_\_\_, RR: \_\_\_\_\_

2. Place vehicle in park and chock the rear wheels. Using a 21mm socket, remove bolt securing the front track bar to the frame. Retain stock hardware. **See Photo 1**. Raise the front of the vehicle with a jack and secure a jack stand beneath each frame rail behind the front control arms. Ease the frame down onto the stands. Support the axle with a floor jack.
3. Remove the front tires/wheels, using a 19mm deep well socket.
4. Using a 18mm socket and wrench remove the bottom sway bar bolts. **See Photo 2**.
5. Using a 18mm socket and 19mm wrench, remove the top of the sway bar link.
5. Remove the front factory skid plate with a 18mm socket.



6. Remove the lower shock bolt using a 18mm socket and wrench. Using a 14mm wrench unbolt the top of the shock and remove. **See Photo 3**. Retain stock hardware.
7. On some models it will be necessary to remove the brake line bracket from the frame to allow the coils to be removed. Using a 10MM socket, remove the brake line bracket from the stock location.
8. Lower the axle with the floor jack to allow room for the coils to be removed. Remove stock coil springs. Retain upper coil isolators.
9. Remove the bolts securing the upper control arms to the axle and frame using a 18mm wrench/socket. It may be necessary to cut out the passenger side upper bolt as shown in **Photo 4** to remove the control arm. A new bolt is supplied in the hardware bag to replace this factory bolt. Retain factory axle end hardware.



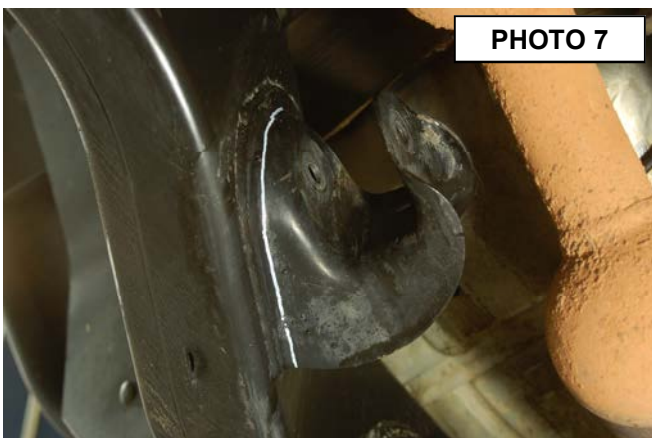
10. Using a 21mm wrench, remove the bolts that secure the lower control arm to the axle and frame then remove the control arm. Retain factory axle end hardware.



12. Next the upper and lower factory control arm pocket have to be removed to make clearance for the longer arms. This will be done using a plasma cutter or cut off wheel in a die grinder. Always use gloves and safety glasses.
13. First cut half of the lower control arm pocket on the passenger side as shown in **Photo 5**. Follow around the bottom edge where the bracket tapers down to the frame. Be careful not to cut through the frame. In **Photo 6** you can see where the first cut is made.
14. Next cut the other half of the control arm pocket as shown in **Photo 6**. Follow around the bottom edge where the bracket tapers down to the frame, then cut the bottom side of the bracket flush with the bottom of the frame.



15. Finally cut the upper control arm pocket as shown in **Photo 7**. Follow around the bottom edge where the bracket tapers down to the frame.
16. Using a hand grinder clean up and sharp burrs or jagged edges left from cutting off the control arm pockets. Paint the frame with a durable spray paint to prevent rusting. See **Photo 8**

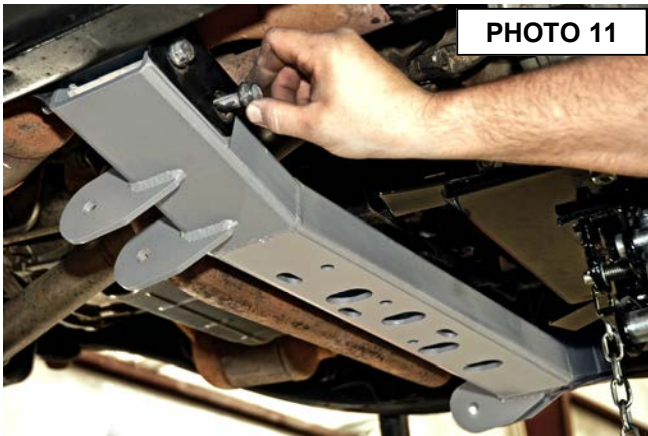


17. Repeat steps 13-16 on the driver side control arm pockets.
18. Steps 19 & 20 are only used if you have a 2012 or newer JK that has a 180 degree exhaust loop on the driver side.
19. Measure back 2 inches as shown in **Photo 9** and mark the exhaust, next cut the exhaust pipe with a saw as shown in **Photo 10**. Using a 13mm wrench remove the exhaust flange bolts so the cut section of exhaust can be removed.
20. An aftermarket 180 degree exhaust pipe will have to be installed for added clearance.





21. Support the transmission with a jack stand and remove the three factory bolts from the bottom of the crossmember that holds the transmissions with a 15mm socket. Next remove the two factory bolts that connect the skid plate to the crossmember using 15mm socket. Retain factory bolts.
22. Remove four factory bolts holding the crossmember with a 18mm socket and wrench, then remove the crossmember. Retain factory hardware.
23. Next install the supplied new crossmember as shown in **Photo 11** with the control arm pockets facing forward. Insert the four factory bolts from the back side of the crossmember with the thread side forward. Do not tighten at this time.
24. Using a transfer punch or a old bolt knock the factory thread insert out of the frame where the factory skid plate bolted to the bottom side of the passenger side frame rail. See **Photo 12**

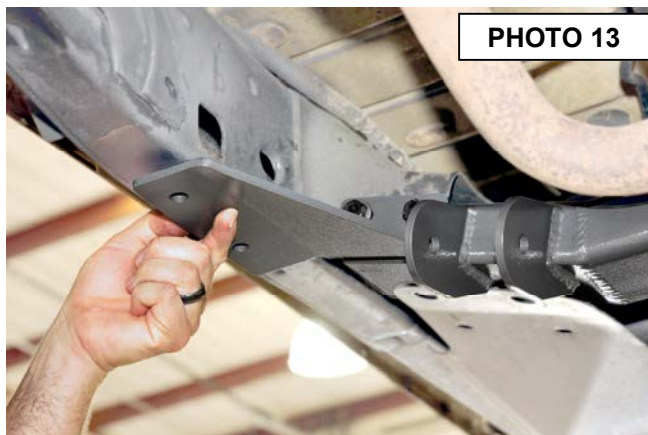


**PHOTO 11**



**PHOTO 12**

25. Slide the passenger side crossmember support bracket over the factory crossmember bolts as shown in **Photo 13**. Hand tighten with the factory nuts.
26. Next insert the crossmember brace threaded tab through the frame hole in **Photo 14**. Align the holes in the tab and bracket, using the supplied 7/16+x 1.5+long bolts, washers, and lock washers out of 1787bag1. See **Photo 15**. Tighten with a 5/8+socket.

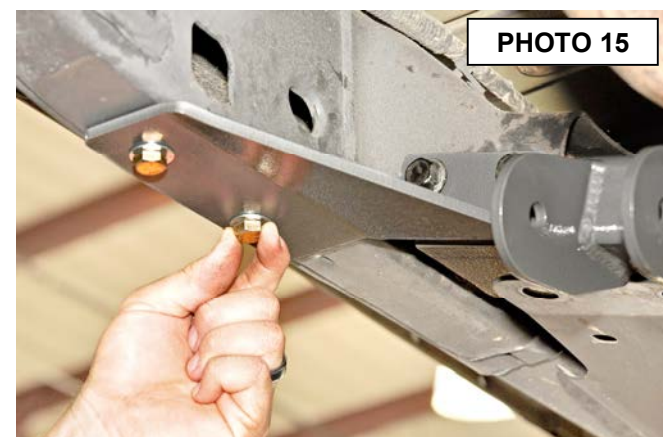


**PHOTO 13**



**PHOTO 14**

27. Finally tighten the crossmember bolts with a 18mm socket and wrench. Make sure the crossmember centered between the frame before the bolts are tightened.
28. Repeat steps 24-27 on the driver side.
29. Remove the jack stand holding the transmission and let the transmission studs drop into the crossmember. Using a 15mm socket insert and tighten the three nuts holding the transmission to the crossmember.
30. Insert two of the crossmember flag nuts into the slotted holes in the crossmember and align the flag nuts with the two factory holes in the skid plate. Tighten factory bolts with a 15mm socket.



**PHOTO 15**



31. Adjust the supplied front lower control arms to the length of 34 3/4+center to center. Install the flex joint end of the lower control arm to the crossmember using the supplied 9/16+x 4+long bolts, nuts, and washers from 1787bag3. See **Photo 16**. Tighten with a 21mm socket and a 22mm wrench. Use an adjustable wrench to tighten the jam nut.
32. Insert the rubber bushing end of the lower control arm to the factory axle mount, use factory hardware and tighten with a 21mm socket and wrench.
33. Adjust the supplied upper control arm to the length of 17 1/4+center to center. Install the flex joint end of the upper control arm to the bracket on the lower control arm using the supplied 10mm x 80mm long bolts, washers, and nuts. Tighten with a 5/8 socket and a 11/16 wrench. See **Photo 17**.
34. Install the bracket end of the upper control arm to the factory axle mount using factory hardware. Tighten using a 18mm socket and wrench.

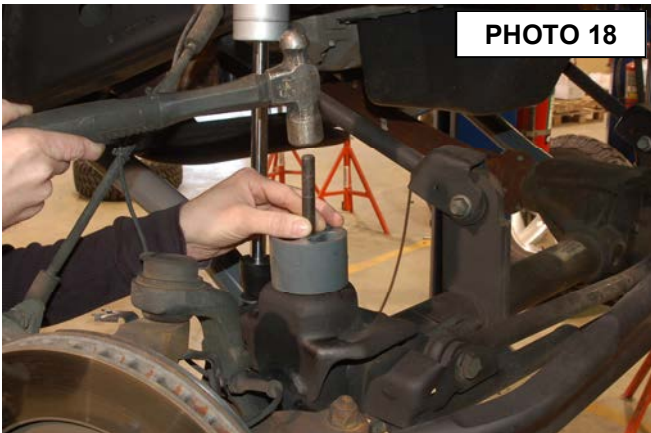


**PHOTO 16**



**PHOTO 17**

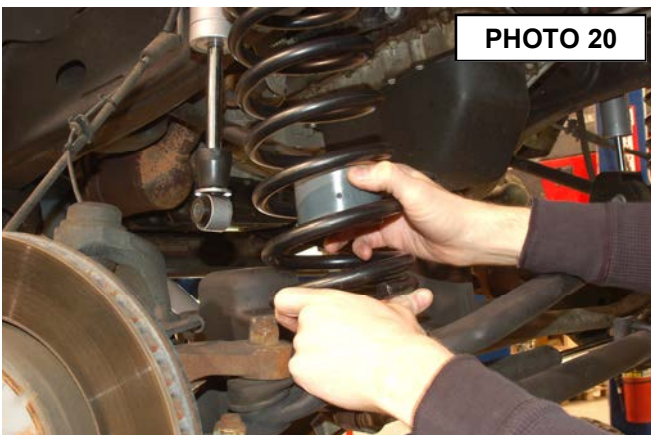
35. Repeat steps 31-34 on the driver side.
36. Place the supplied 2+ bump stop in place on the lower coil seat as shown in **Photo 18**. Mark & drill using a 3/8+drill bit. See **Photo 19**.
37. Be sure the factory rubber isolators are in place and install the front coil springs with the 2+ bump stop pucks as shown in **Photo 20**. Insert the coil into the upper tower first, followed by the lower seat.
38. Secure the bump stop to the drilled hole in the lower seat using the supplied 3/8+x 3+bolts, washers and nuts. Tighten using a 9/16+wrench. See **Photo 21**.



**PHOTO 18**



**PHOTO 19**



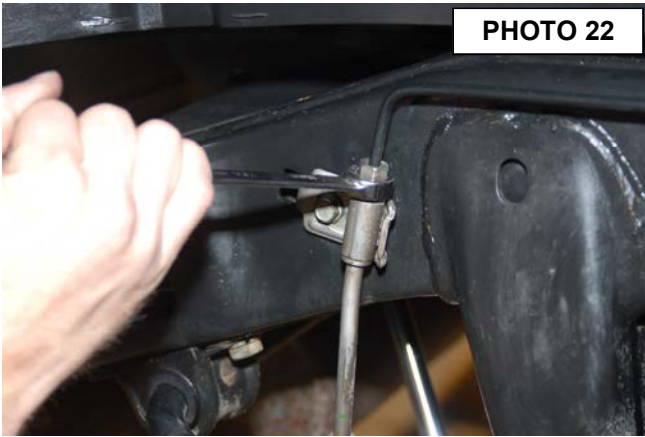
**PHOTO 20**



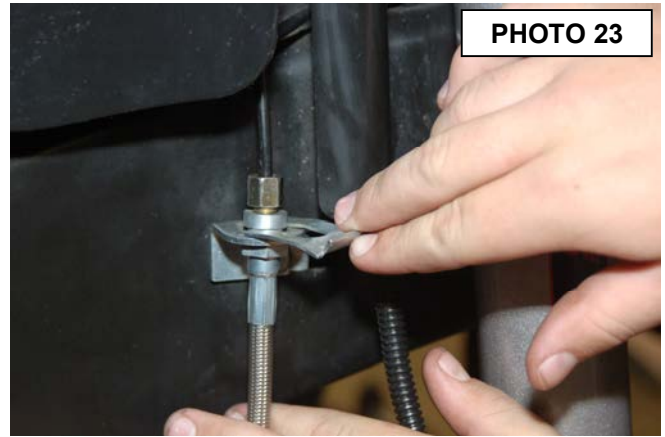
**PHOTO 21**



39. Install the shock absorber # **660585**. Assemble the cup washer and stem bushing on the stem end of the shock and insert in the upper shock tower. Tighten using a 9/16+wrench. Insert lower mount to axle using factory hardware.
40. Loosen the stock brake line from the metal line on the frame rail shown in **Photo 22** using a 12 mm line wrench. A catch pan will be needed to catch the brake fluid.
41. Remove the line from the frame rail using a 10mm socket. Next remove the brake line from the caliper and replace the brake line with the supplied stainless steel lines and brackets as shown in **Photo 23**. Reattach at the caliper us-



**PHOTO 22**



**PHOTO 23**

- ing supplied crush washers, tighten line and install the spring clip.
42. After the install is complete the brakelines will have to be bled.
  43. Using a 21mm socket remove the tie rod end from the pitman arm. Remove the pitman arm nut using a 33mm socket.
  44. A pitman arm puller will be needed to remove factory pitman arm. **See Photo 24**.
  45. Lightly lube pitman arm splines with WD-40 and install the new pitman arm with the stock hardware. Tighten using a

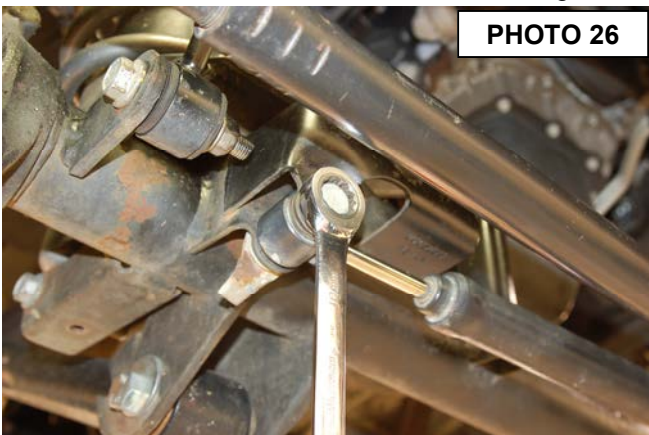


**PHOTO 24**

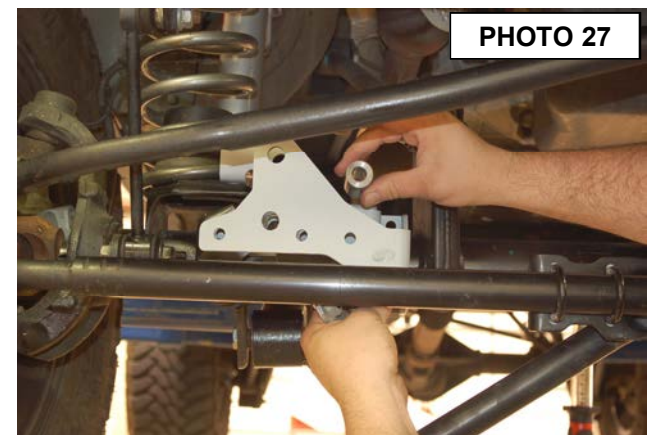


**PHOTO 25**

- 33mm socket. **See Photo 25**. Reinstall the drag link on the new pitman arm with the stock nut and using a 21mm wrench. It might be necessary to use a 1/4+allen wrench to hold stud and tighten.
46. Remove the stock stabilizer from the axle and tie rod mount using a 18mm wrench **See Photo 26**.
  47. Install the track rod bracket as shown on the stock mount. Install the crush sleeve from bag 1609bag2 with the stock hardware as shown in **Photo 27 & 28**. Do not tighten at this time.



**PHOTO 26**



**PHOTO 27**

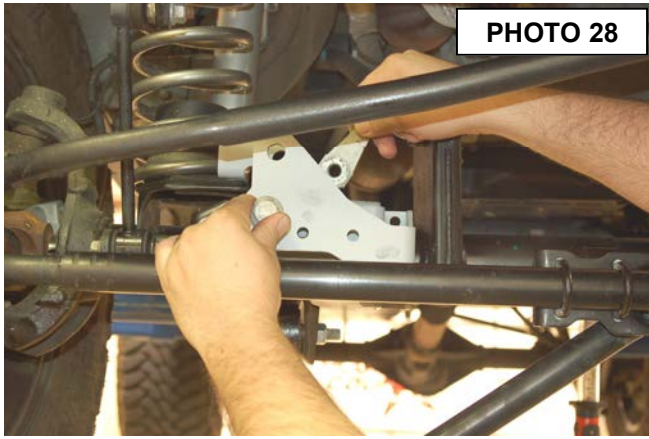


PHOTO 28

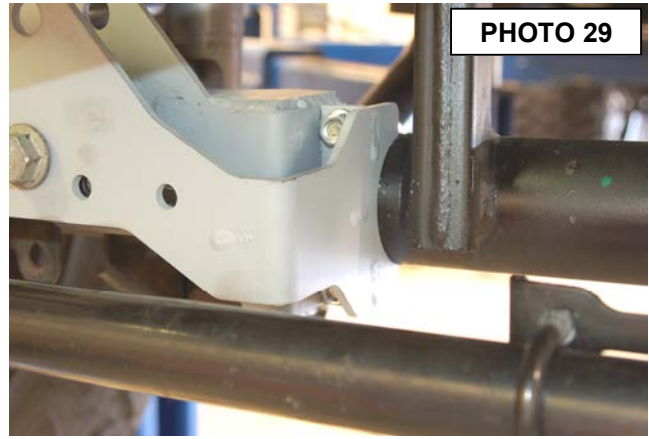


PHOTO 29

48. Install the supplied u-bolt and nuts in the bracket as shown in **Photo 29**. Do not tighten at this time
49. Install the two 3/8+x 1 1/4+bolts, washer and nuts in the new bracket and supplied stabilizer bracket if reusing the stock stabilizer in the far left holes as shown. If not installing the stock stabilizer, the two 3/8+x 1 1/4+bolts will be installed in the two far left holes in the bracket with out the supplied stabilizer bracket. **See Photo 30**.
50. Drill the rear mount using a 3/8+drill bit and install the 3/8+x 1 1/4+bolt, washer and flange lock nut. **See Photo 31**.
51. Tighten all 3/8+hardware using a 9/16+wrench.

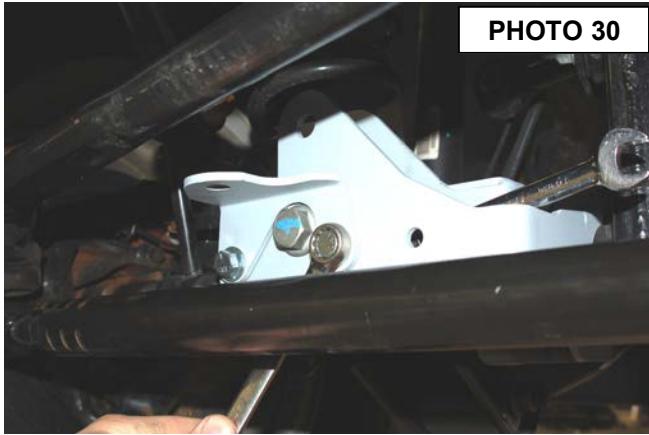


PHOTO 30

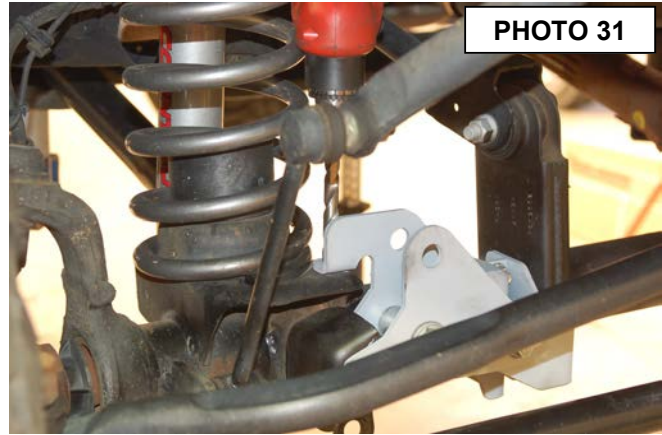


PHOTO 31

52. **This next two steps will be performed if the stock stabilizer is retained.** On 07-10 Models mark the location on the factory tie rod bracket on the tie rod and loosen the u-bolt nuts using a 13mm wrench. Slide the bracket down 1 1/4+rotate to position the stud up as shown and retighten tie rod end bracket. **See Photo 32**.
53. On 2011 models loosen the tie rod bracket using a 15mm wrench. Mark original location and move the bracket 1 1/2+and rotate the tie rod bracket as shown to allow full stroke of the stabilizer cylinder. **See Photo 33**.
54. Install the factory stabilizer in the new track rod / stabilizer mount with the body of the stabilizer on the axle mount with stock hardware and tighten using a 18mm socket / wrench.

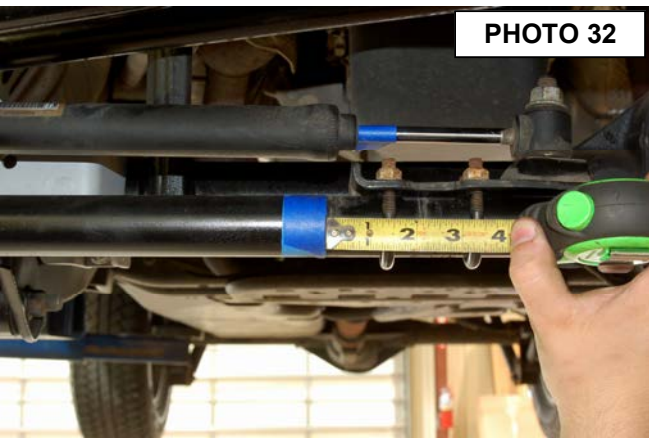


PHOTO 32

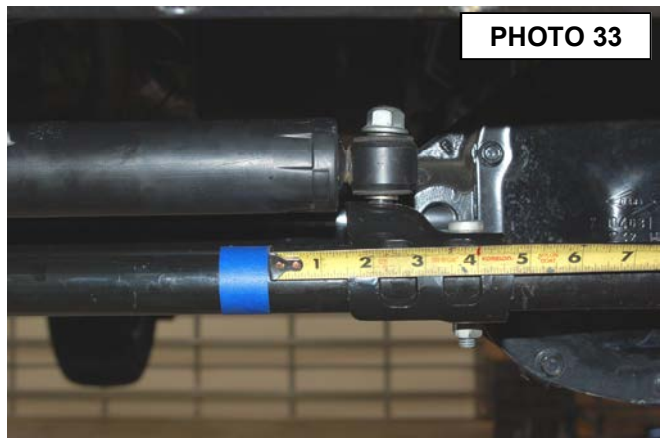
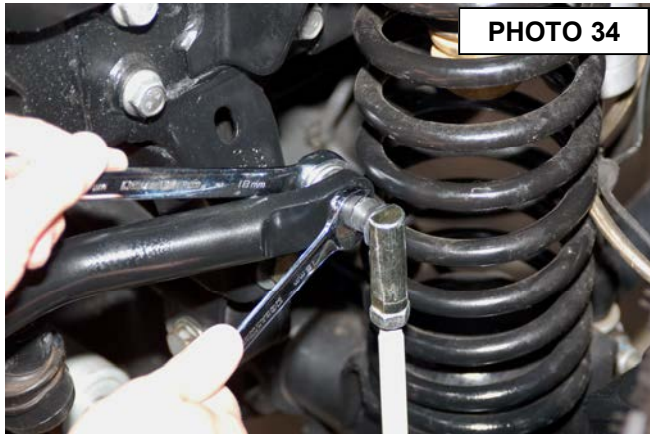


PHOTO 33

55. Assemble the bushings/sleeves in the track rod and adjust to a length of 32 7/8+center of hole to center of hole. Install the new track bar into stock frame bracket using the stock hardware. The axle end of the track bar will not be installed until after the jeep is set back on the ground.



56. On the front sway disconnects, assemble the supplied jam nut and end link on the sway bar link body. Adjust the sway bar to approx 11+for a 4+& 6+kit measuring end to end. Tighten the end and jam nut using a 18mm wrench.
57. Install the new sway bar link on the factory sway bar as shown in **Photo 34** with the supplied 12mm Flange lock nut using a 16mm & 18mm wrench.
58. Install the new sway bar link on the sway bar bracket and swing up the assembly to the frame rail. **See Photo 35**. Remove the sway bar link from the bracket while holding the bracket in place.



**PHOTO 34**

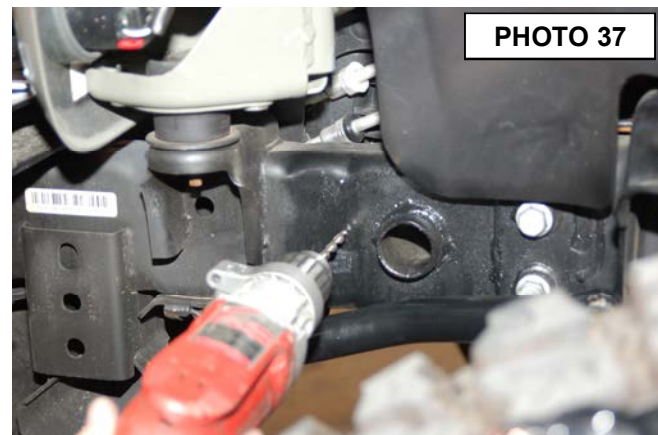


**PHOTO 35**

59. Mark the holes to be drilled and remove the bracket from the frame. **See Photo 36**.
60. Drill the two holes per side using a 17/64+drill bit. **See Photo 37**. Be sure to only drill through outside of the frame.

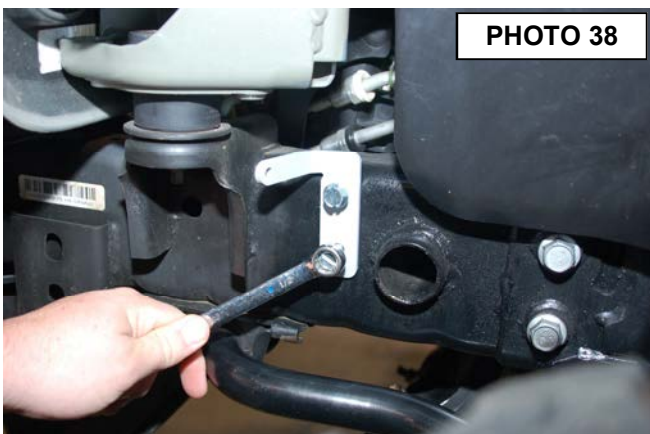


**PHOTO 36**

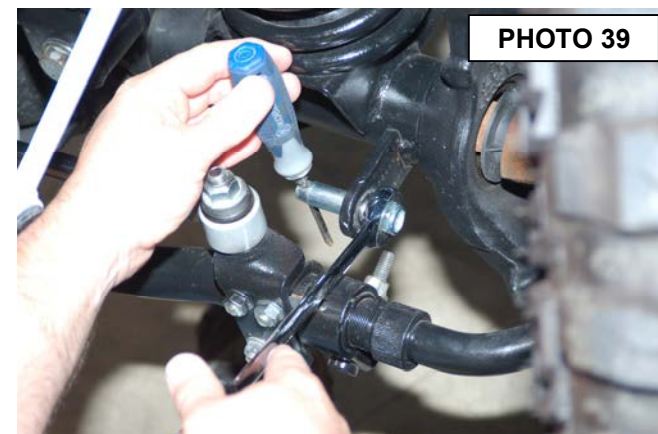


**PHOTO 37**

61. Install the frame bracket with the supplied 5/16+self tapping bolts (2 per bracket) using a 1/2+wrench. **SeePhoto 38**.
62. Install the supplied mounting pin on the axle as shown in **Photo 39**. Use a punch or screw driver to hold the pin and tighten using 19mm socket / wrench.



**PHOTO 38**

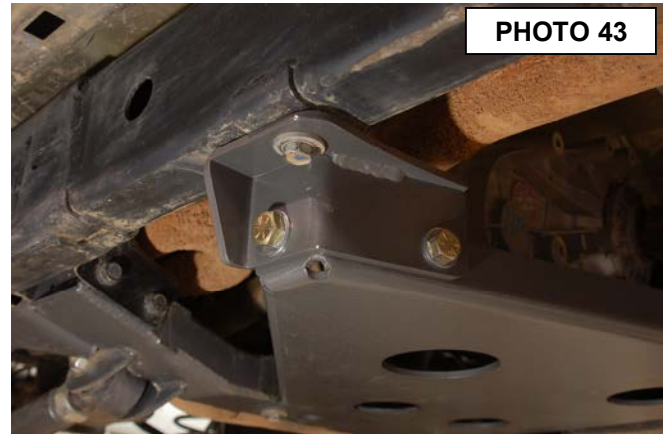


**PHOTO 39**

56. Using two of the crossmember flag nuts and factory skid plate bolts attach the skid plate to the crossmember as shown in **Photo 40 & 41**. Tighten with a 19mm socket.



57. Use stock hardware and a 19mm socket to bolt the skid plate to the gas tank mount. **See Photo 42**  
58. Next if you are installing on a 4-door use the skid plate mount as shown in **Photo 43**. Use the supplied 9/16+x 1 1/2+ bolt, washers, and nut and the supplied 1/2+x 1 1/2+long bolt, washers, and nut to bolt the mount to the skid plate. Tighten the 9/16+bolt with a 21mm socket and 22mm wrench and tighten the 1/2+bolt with a 19mm socket. Next use factory hardware to bolt the mount to the frame. Tighten with a 18mm socket.  
59. If installing on a 2-door the outside hole of the skid plate will bolt to the rear lower control arm bracket bolt.



60. Reinstall the front tires/wheels using a 19mm deep well socket.  
61. Lower the vehicle to the floor and proceed to the rear installation.



## REAR INSTALLATION INSTRUCTIONS

1. Chock front wheels. Jack up the rear of the vehicle and support the vehicle with jack stands, so that the rear wheels are off the ground. Position a jack so it supports, but does not raise the rear axle.
2. Remove the rear tires/wheels, using a 19mm deep well socket.
3. Using a 21mm socket and wrench remove the track bar from the frame on the passenger side. Using a 21mm socket remove the track bar bolt at the axle and remove the track bar from the vehicle. Retain the frame side stock hardware for reuse.
4. Using a 21mm socket loosen, but do not remove the bolts securing the lower control arms at both the axle and frame.
5. On the rear of the vehicle remove the factory sway bar link using a 18mm socket and wrench on the lower. Remove the upper hardware using a 18mm wrench and a 19mm wrench on the ball joint end.
6. Using a 10mm wrench, unbolt the brake hose bracket at the frame. Retain hardware for later use.
7. Remove and discard the rear shocks using a 18mm wrench. Retain stock hardware.
8. Lower the axle enough to remove the stock coil springs. Retain factory upper coil spring isolator.
9. Remove the upper control arms from the frame and axle using a 18mm wrench. Retain the axle end factory hardware for reuse. **See Photo 40**
10. Using a 21mm socket remove the bolts securing the lower control arms at both the axle and frame. Passenger side lower shown in **Photo 41**. Remove the control arms and retain the axle end hardware for reuse.

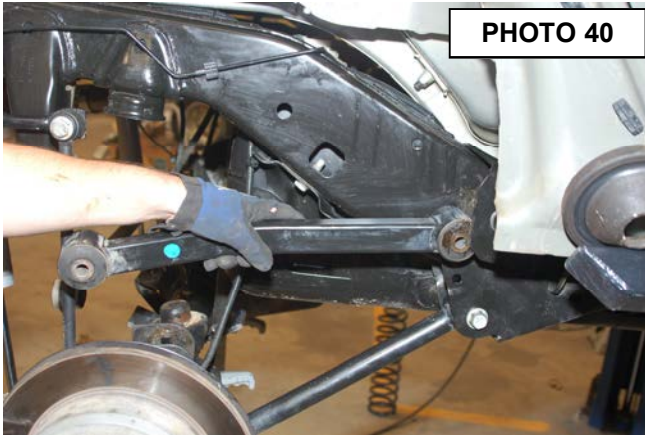


PHOTO 40

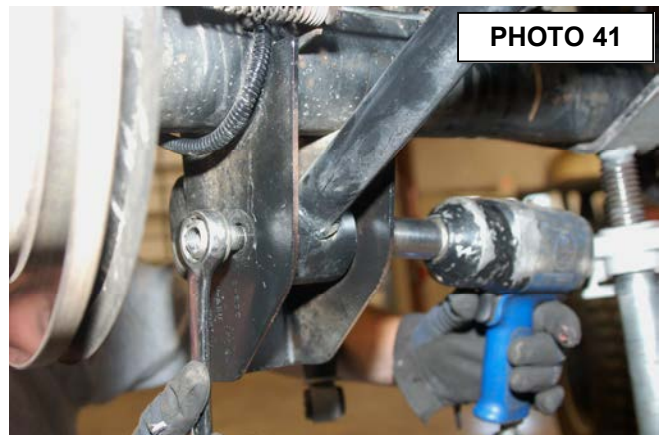


PHOTO 41

11. Next the lower factory control arm pockets will have to be removed to make clearance for the longer arms. This will be done using a plasma cutter or cut off wheel in a die grinder. Always uses gloves and safety glasses.
12. Starting on the passenger side control arm bracket use a cut off wheel to split the bracket into two halves. Cut along the center bottom surface. **See Photo 42**. Then cut the weld that connects the bracket to the outside of the frame

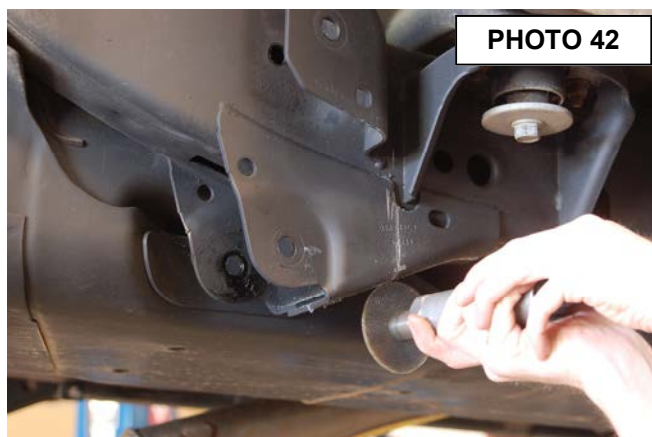


PHOTO 42

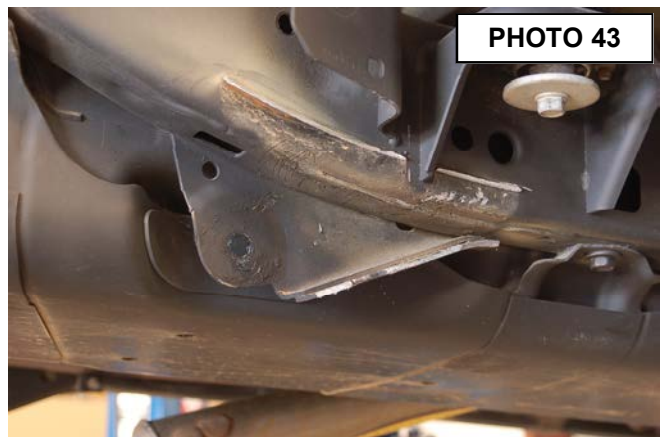
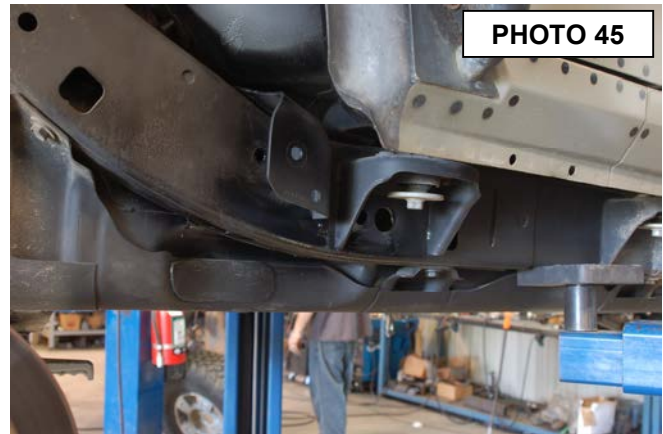


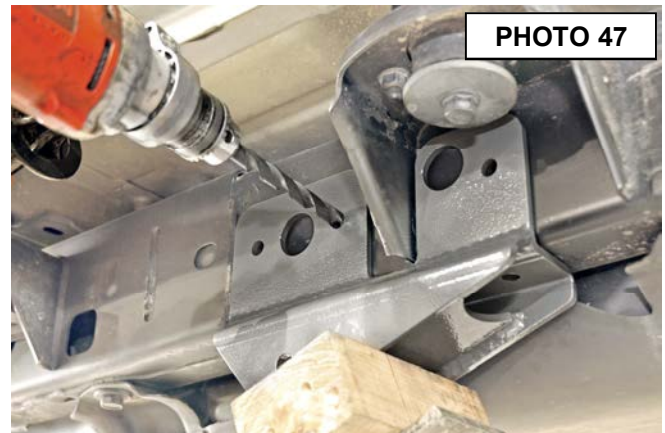
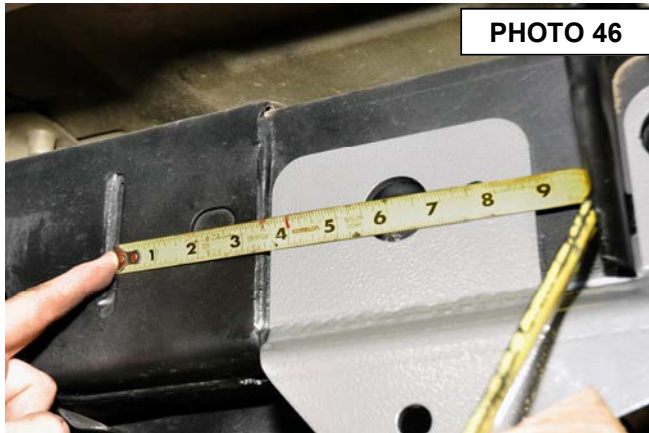
PHOTO 43

rail. **See Photo 43**. Be careful not to cut into the frame rail.

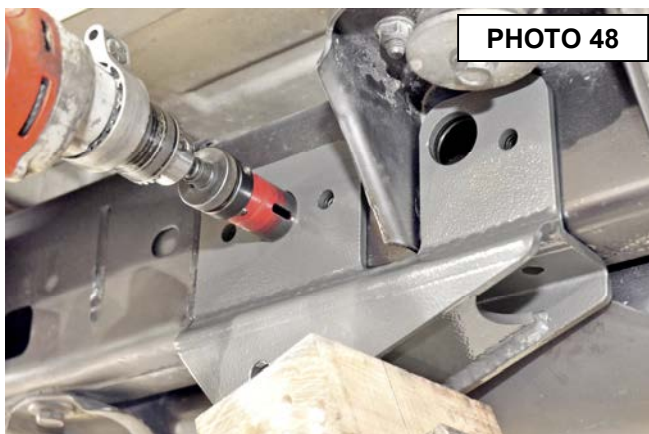
13. Place a piece of cardboard or thin sheet metal between the fuel tank and inside of the frame, this will help keep sparks off the fuel tank while cutting the inside of the lower control arm pocket.
14. Follow along the bottom side of the frame cutting through the control arm pocket. **See Photo 44.**
15. Using a hand grinder clean up any sharp burrs or jagged edges left from cutting off the control arm pocket. Paint the frame with a durable spray paint to prevent rusting. **See Photo 45.**



16. Repeat steps 12, 14, and 15 on the driver side control arm pocket.
17. Slide the passenger rear control arm mounting bracket onto the frame and measure 3 5/8+ from the slot in the frame to the edge of the supplied bracket. Use a block of wood and a jack to hold the bracket to the frame while drilling. **See Photo 46**
18. Using the bracket as a pattern and drill six holes in the frame with a 15/32+drill bit as shown in **Photo 47.**



19. Using a 1 1/4+hole saw and the bracket as a template, cut two holes for flag nut access as shown in **Photo 48.**
20. Insert the threaded tab through the back 1 1/4+hole as shown in **Photo 49** and push the tab forward until it aligns with the front and middle hole on the bottom of the control arm bracket.
21. Using the 7/16+x 1.5+bolts, washers, and lock washers out of 1787bag4 start two of the bolts into the threaded tab.

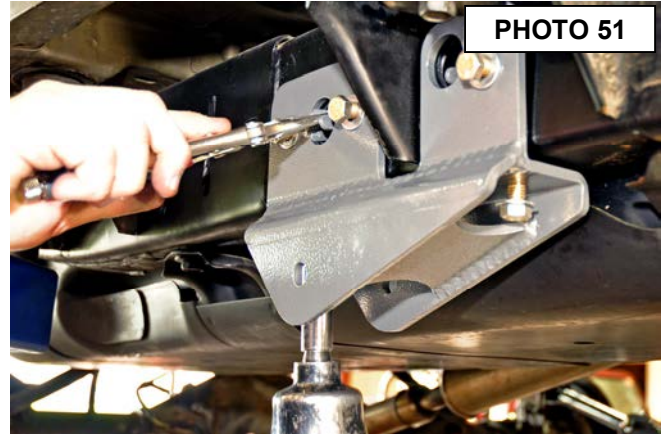




22. Using three of the short flag nuts out of 1787box4, insert the flag nut through the 1 1/4+holes and hand tighten the 7/16+x 1.5+long bolt, washer, and lock washer. **See Photo 50**
23. Next using the longer flag nut out of 1787box4, insert the flag nut through the back 1 1/4+hole and align the nut with the bottom rear hole in the control arm bracket as shown in **Photo 51**. Insert the 7/16+x 1.5+long bolt, washer, and lock washer and tighten with a 5/8 socket. Make sure when you tighten the bolts for the flag nuts you are holding the stem of the flag nut with vise grips.

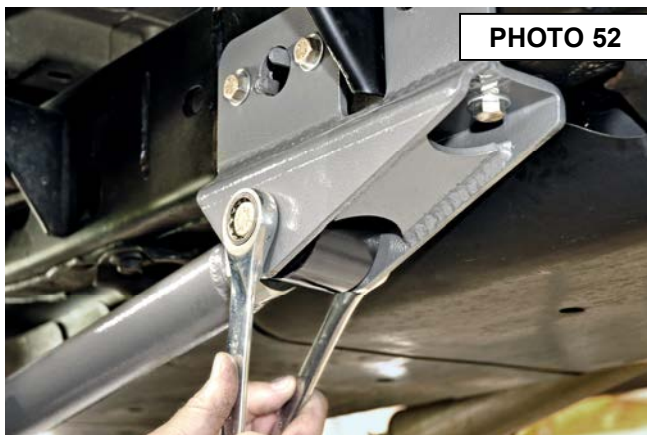


**PHOTO 50**

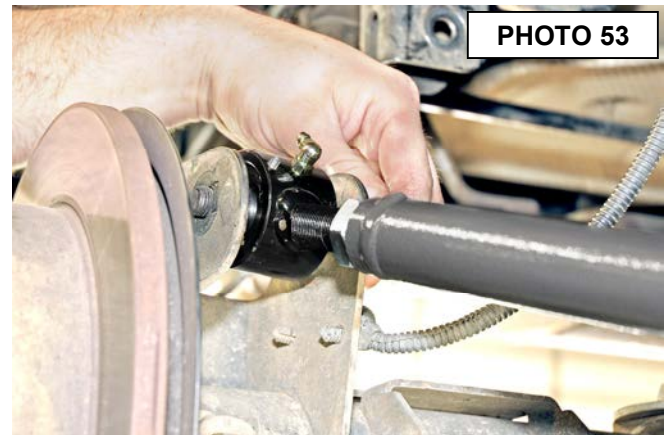


**PHOTO 51**

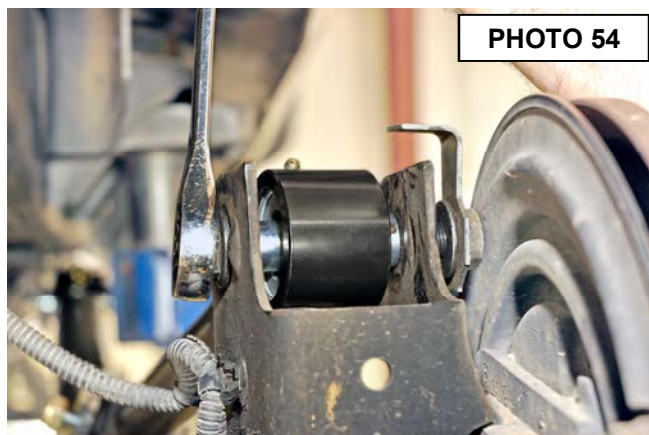
24. Locate the supplied passenger rear lower control arms from box 1787box4 and adjust the length to 41 1/8+center to center of each end.
25. Insert the flex joint end of the control arm into the new frame bracket using the supplied 9/16+x 4+long bolt, washer, and lock nut from bag 1787bag3. Tighten with a 21mm and 22 mm wrench shown in **Photo 52**
26. Insert the rubber bushing end of the control arm into the axle mount, using stock hardware and tighten with a 21mm.
27. Adjust the upper control arm to length to 12 1/4+and insert the rubber bushing end to the bracket on the lower control arm using the 10mm x 80mm long bolt, washer, and locknut. Hand tighten.
28. Next insert the flex joint end of the upper control arm into the factory axle bracket using stock hardware as shown in **Photo 53**. Tighten with a 21mm wrench as shown in **Photo 54**. Now tighten the rubber bushing end with a 5/8+and 11/16+wrench. **See Photo 55**
29. Repeat steps 17-28 on the driver side.
30. Only use steps 31 and 32 one a 2-door JK only.



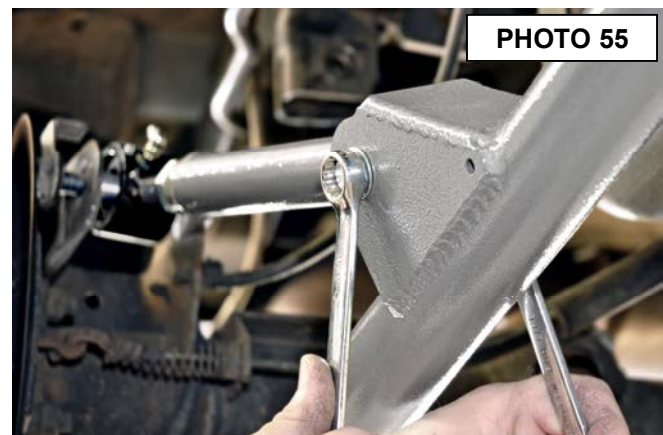
**PHOTO 52**



**PHOTO 53**



**PHOTO 54**

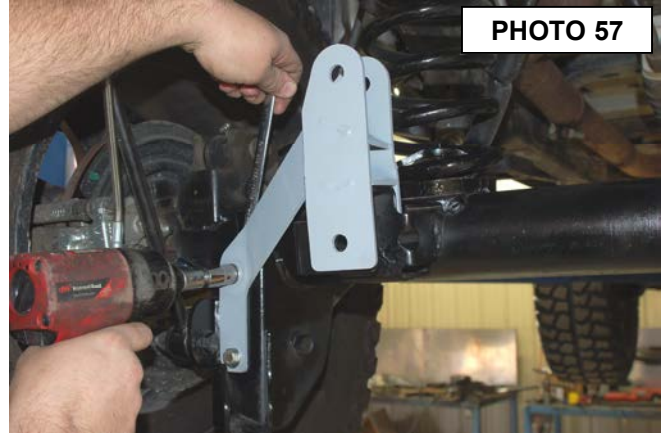


**PHOTO 55**

31. Install the top of the coil back onto the coil seat making sure the factory coil spring isolator is installed. When installing the bottom of the coil, make sure you install the coil spring angle correction bracket on the lower seat. This bracket helps take out any bow in the coil spring when adjusting the pinion angle. Lower vehicle slightly, watching coils to assure they properly seat on top. **See Photo 56.**
32. Position the rear track bar bracket over the rear factory track bar mount. Verify that the original track bar mounting hole and the hole in the new track bar bracket are aligned vertically. Using the track bar bracket as a template mark and drill a 13/32+hole in the top of the original track bar mount from the top.
33. Install the .375-16 x 1+bolts, washers, and nuts through track bar brace and secure with flange nut using a 9/16+ wrench and socket. **See Photo 57**

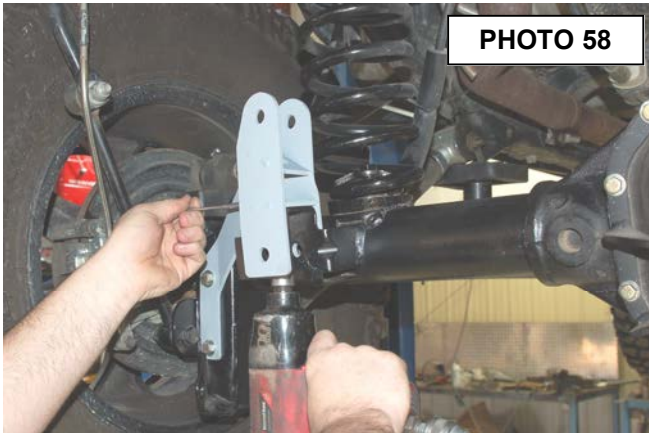


**PHOTO 56**

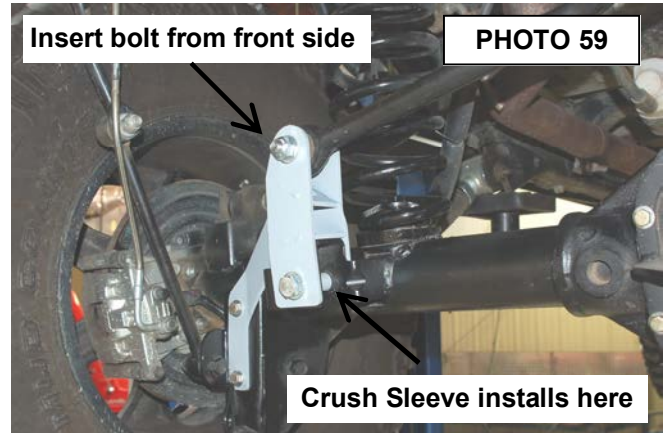


**PHOTO 57**

34. Install the 3/8-x 1 1/4+long bolts and flange lock nuts as shown in **Photo 58** through the drilled hole. Tighten with a 9/16+socket and wrench.
35. Insert the supplied crush sleeve, inside the factory track bar mount. Insert the supplied 14mm+x 80mm+bolt through the bracket, factory mount, and sleeve secure using the washer and nut. Tighten.
36. Install the track bar in the upper hole of the track bar bracket with the supplied 14mm x 80mm bolt washers & nut with the head of the bolt on the front by the coil spring. It may be necessary to move the axle up or down with the floor jack to align the hole with the track rod. See **Photo 59**



**PHOTO 58**



**Insert bolt from front side**

**PHOTO 59**

**Crush Sleeve installs here**



37. Locate the 4 sway bar link sleeves. Insert the sleeves into the sway bar link bushings. Using the supplied .500-16 x 2.75+bolts, washers and nuts from 1681bag3, install the sway bar links to the sway bar, and axle mount., and tighten using a 13/16+socket and 7/8+wrench. . **Make sure the bolts are installed with the HEAD of the bolt toward the tire.**
38. Install the rear RCX 2.2 series shocks part # 660586 using the factory hardware, using a 16mm socket for the top, and a 18mm socket for the bottom. Shaft end of the shock will be pointed down. **See Photo 60.**
39. Install the rear bump stop spacers on the axle and secure with the supplied 3/8+x 3/4+bolts, washers, and nuts from 1609bag6. **See Photo 61.**

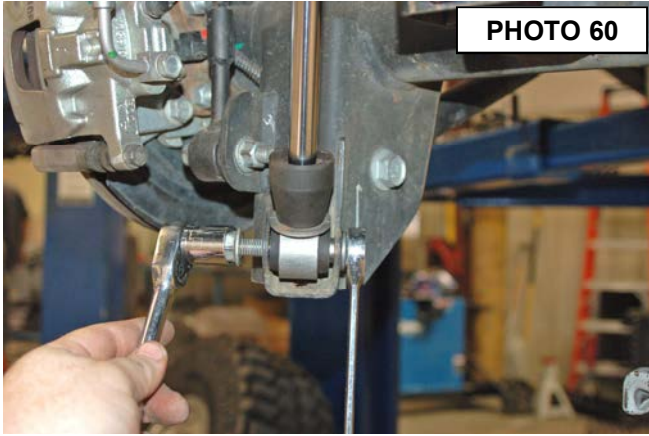


PHOTO 60

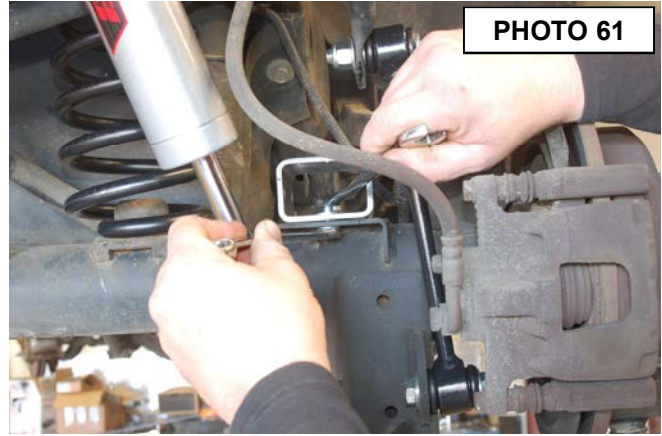


PHOTO 61

40. Remove the rubber brake line from the steel line using a 12mm wrench as shown in **Photo 62** and remove the brake line from the caliper using a 15mm wrench.
41. Install the new bracket using a 10mm wrench and stock hardware in factory location. Install the new brake line on the hard line and tighten. Install spring clip as shown in **Photo 63** and secure the caliper end of the brake line with supplied crush washers, using a 15mm wrench to tighten.

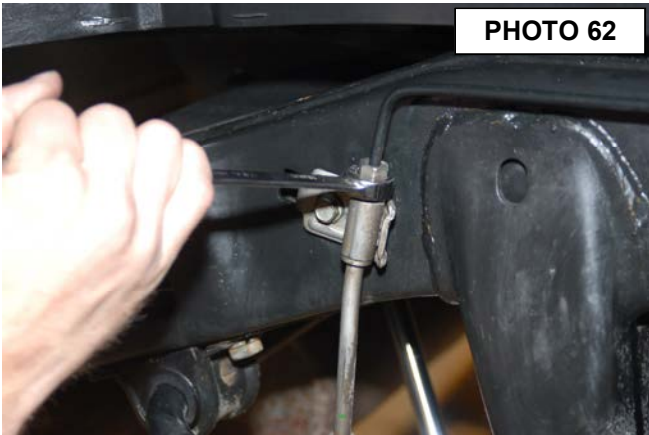


PHOTO 62



PHOTO 63

42. Reinstall the rear tires/wheels, using a 19mm deep well socket.
43. Lower the vehicle to the floor.
44. Install the front track bar into the axle bracket, you may have to turn the steering wheel to move the axle left and right for the bolt hole to align.
45. Next measure from each tire to the frame making sure the front axle is centered. If needed the track bar can be removed and adjusted to the correct length to center the axle. After the adjustment all complete tighten the jam nut with a adjustable wrench.

46. Remove the e-brake cable bracket from the body using a 10mm wrench as shown in **Photo 64**. Remove the bracket from the e-brake cable as shown in **Photo 65** to allow slack in the e-brake cables.



**Please note: New drive shafts will have to be installed with this kit. Please follow instructions if included with drive shafts or have installed by qualified mechanic**

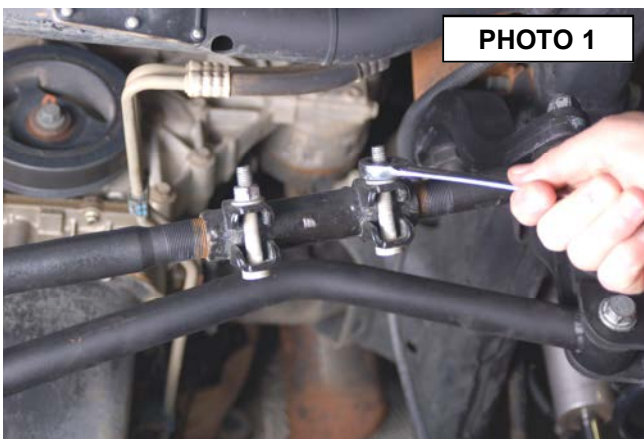
### POST INSTALLATION

**IMPORTANT NOTE : The draglink must be adjusted to the center steering wheel BEFORE the vehicle is driven. Failure to do so will cause a computer error, odd handling, and poor performance**

1. Adjust front draglink to center the steering wheel before driving by loosening the two bolts and turning the adjustment collar. **See Photo 1 & 2**
2. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering for interference and proper working order. Test brake system.
3. Perform steering sweep. The distance between the tire sidewall and the brake hose must be checked closely. Cycle the steering from full turn to full turn to check for clearance. Failure to perform inspections may result in component failure.
4. Re-torque all fasteners after 500 miles and recheck after 1000 miles. Alignment must be checked by a qualified mechanic. Visually inspect components and re-torque fasteners during routine vehicle service.
5. Readjust headlights to proper settings.
6. Have a qualified alignment center realign the front end, to the factory specifications immediately.
 

Caster preferred	4.6 degree	range +,- 1 degree
Camber preferred	. 0.25 degree	range +,- 0.63 degree
Toe-in preferred	0.15degree	range +,- 0.15 degree

### DO NOT REUSE FACTORY DRIVESHAFTS



Thank you for purchasing a Rough Country Suspension System.