



Installation manual
4" Suspension system with EZ-Flex
upper and lower control arms
2007 Jeep JK
Part # 44002

sj040307rev.01

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2007 Jeep JK
4" Suspension system with EZ-Flex
upper and lower control arms

Parts contained in Box 1 of 2

<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
JK4F-CL01	Front coil springs	2
JK4R-CL01	Rear coil springs	2
44000-05DP	DS & PS front quick disconnect sway bar end links	2
44000-06	DS & PS rear sway bar end links	2
44000-09	Front poly extended bump stops	2
44000-10	Rear poly extended bump stops	2
44000-12	Front 1/2" coil spring spacers	2
44000-13	Rear 1/2" coil spring spacers	2
44000-14	Front extended brake lines	1
44000-15	Rear extended brake lines	1
44000NB2	Hardware bag	1
44000NB3	Hardware bag	1
44000NB4	Hardware bag	1
44002INST	Instruction manual (installer copy)	1
44002INST	Instruction manual (customer copy)	1
MIRRORHANGER	Rear view mirror hanger	1
WARNINGDECAL	Warning decal	1
DECAL	Window sticker	1

Parts contained in Box 2 of 2

<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
44000-04	Rear track bar relocation bracket	1
44000-07	Front adjustable track bar	1
44000NB6	Hardware bag	1
44000-01	DS EZ-Flex front lower control arm	1
44000-02	PS EZ-Flex front lower control arm	1
44000-11	DS/PS EZ-Flex rear lower control arm	2
46000-01	DS/PS EZ-Flex front upper control arm	2
46000-02	DS EZ-Flex rear upper control arm	1
46000-07	PS EZ-Flex rear upper control arm	1

Congratulations on your selection to purchase a Tuff Country EZ-Ride Suspension System. We at Tuff Country are proud to offer a high quality product at the industries most competitive pricing. Thank you for your confidence in us, and our product.

Before installation begins, it is the customers/installers responsibility to make sure that all parts are on hand. If any parts are missing, please feel free to call one of our customer service representatives @ (801) 280-2777.

This box kit works on the 2 doors, 4 doors, soft tops and hard tops.

Important customer information:

Tuff Country EZ-Ride Suspension highly recommends that a qualified and/or certified mechanic performs this installation.

If you desire to return your vehicle to stock, it is the customers responsibility to save all stock hardware.

This vehicles reaction and handling characteristics may differ from standard cars and/or trucks. Modifications to improve and/or enhance off road performance may raise the intended center of gravity. Extreme caution must be utilized when encountering driving conditions which may cause vehicle imbalance or loss of control. DRIVE SAFELY! Avoid abrupt maneuvers, such as sudden sharp turns which could cause a roll over, resulting in serious injury or death.

It is the customers responsibility to make sure that a re-torque is performed on all hardware associated with this suspension system after the first 100 miles of installation. It is also the customers responsibility to do a complete re-torque after every 3000 miles or after every off road use.

After the original installation, Tuff Country EZ-Ride Suspension also recommends having the alignment checked every 6 months to ensure proper tracking, proper wear on tires and front end components. Tuff Country EZ-Ride Suspension takes no responsibility for abuse, improper installation or improper suspension maintenance.

It is the responsibility of the customer or the mechanic to wear safety glasses at all times when performing this installation.

It is the customers/installers responsibility to read and understand all steps before installation begins. OEM manual should be used as a reference guide.

Make sure to use lock tite on all new and stock hardware associated with this installation.

The Tuff Country EZ-Ride Suspension product safety label that is included in your kit box must be installed inside the cab in plain view of all occupants.

Limited lifetime warranty

Notice to all Tuff Country EZ-Ride Suspension customers: It is your responsibility to keep your original sales receipt! If failure should occur on any Tuff Country EZ-Ride Suspension component, your original sales receipt must accompany the warranted unit to receive warranty. Warranty will be void if the customer can not provide the original sales receipt. Do not install a body lift in conjunction with a suspension system. If a body lift is used in conjunction with any Tuff Country EZ-Ride Suspension product, your Tuff Country EZ-Ride Suspension WARRANTY WILL BE VOID. Tuff Country Inc. ("Tuff Country") suspension products are warranted to be free from defects in material and workmanship for life if purchased, installed and maintained on a non-commercial vehicle; otherwise, for a period of twelve (12) months, from the date of purchase and installation on a commercial vehicle, or twelve thousand (12,000) miles (which ever occurs first). Tuff Country does not warrant or make any representations concerning Tuff Country Products when not installed and used strictly in accordance with the manufacturer's instructions for such installation and operation and accordance with good installation and maintenance practices of the automotive industry. This warranty does not apply to the cosmetic finish of Tuff Country products nor to Tuff Country products which have been altered, improperly installed, maintained, used or repaired, or damaged by accident, negligence, misuse or racing. ("Racing is used in its broadest sense, and, for example, without regards to formalities in relation to prizes, competition, etc.) This warranty is void if the product is removed from the original vehicle and re-installed on that or any other vehicle. This warranty is exclusive and is in lieu of any implied warranty of merchantability, fitness for a particular purpose or other warranty of quality, whether express or implied, except the warranty of title. All implied warranties are limited to the duration of this warranty. The remedies set forth in this warranty are exclusive. This warranty excludes all labor charges or other incidental of consequential damages. Any part or product returned for warranty claim must be returned through the dealer of the distributor from whom it was purchased. Tuff Country reserves the right to examine all parts returned to it for warranty claim to determine whether or not any such part has failed because of defect in material or workmanship. The obligation of Tuff Country under this warranty shall be limited to repairing, replacing or crediting, at its option, any part or product found to be so defective. Regardless of whether any part is repaired, replaced or credited under this warranty, shipping and/or transportation charges on the return of such product must be prepaid by the customer under this warranty.

Important information that needs to be read before installation begins:

The stock wheels will work in conjunction with this suspension system but installing a larger tire on the stock wheels will cause rubbing on the sway bar and the control arms. Tuff Country recommends when purchasing new wheels that you purchase wheels with a 4.5" back spacing. Tuff Country recommends a 35x12.50 tire package. If larger than a 35x12.50 tire is installed on your vehicle in conjunction with part # 44002; Tuff Country assumes no liability and the warranty will be VOID. Also, the new JK's have a larger braking system, a minimum of a 16" wheel are required for use in conjunction with the installation of the suspension system.

Tuff Country EZ-Ride Suspension highly recommends that the front and rear drive shafts are changed if your vehicle is going to be used for off road use. Please contact Tuff Country or your local Tuff Country dealer and order your new front and rear drive shafts. Part #'s are: 40800 (front drive shaft for 2 door and 4 door), 40801 (rear drive shaft for 4 door only) and 40802 (rear drive shaft for 2 door only).

Tuff Country EZ-Ride Suspension packages (2) sets of instruction sheets with this box kit. (1) is for the installer and (1) is for the customer. The (1) for the customer has some post installation procedure literature and it is the installers responsibility to make sure that the customer receives a copy of the installation manual along with the literature.

Before installation begins, Tuff Country EZ-Ride Suspension highly recommends that the installer performs a test drive on the vehicle. During the test drive, check to see if there are any uncommon sounds or vibrations. If uncommon sounds or vibrations occur on the test drive, uncommon sounds or vibrations will be enhanced once the suspension system has been installed. Tuff Country EZ-Ride Suspension highly recommends notifying the customer prior to installation to inform the customer of these issues if they exist.

New longer front and rear shocks are needed after this suspension system has been installed and the front and rear shocks need to be ordered as a separate part #. If you have not already ordered your front and rear shocks, please feel free to contact Tuff Country or your local Tuff Country dealer and order your new front and rear shocks. Tuff Country recommends installing a 26" fully extended nitrogen gas shock in the front and a 30" fully extended nitrogen gas shock in the rear.

Hardware bag 44000NB6 includes:

<u>Description</u>	<u>Quantity</u>
1/2" x 1 1/2" bolt	2
7/16" USS flat washer	4
1/2" unitorque nut	2
9/16" x 3" bolt	1
1/2" USS flat washers	2
9/16" unitorque nut	1
BLR06 (brake line relocation bracket)	1
5/16" x 1" bolt	1
1/4" USS flat washer	2
5/16" unitorque nut	1
S10074 (lower shock sleeves)	4
S10153 (cross member sleeves)	3
BP21 (rear shock clevis mount)	2
S10141 (12 mm x 80 mm bolt and hardware)	1

Hardware bag 44000NB2 includes:

<u>Description</u>	<u>Quantity</u>
S10094 (small QD stud)	2
S10096 (QD pin)	2
S10097 (QD over size washer)	2
S10098 (large QD lock washer)	2
S10099 (large QD jam nut)	2
S10142 (large QD stud)	2
S10143 (12 mm x 70 mm bolt)	2
S10144 (12 mm jam nut)	2
S10145 (12 mm nylock nut)	2
S10146 (9/16" x 1 3/8" special washer)	2
S10147 (3/8" thin jam nut)	2
S10148 (QD "L" bracket)	2

Hardware bag 44000NB3 includes:

<u>Description</u>	<u>Quantity</u>
S10149 (12 mm x 50 mm bolt)	2
S10144 (12 mm jam nut)	2
12 mm flat washer	4

Hardware bag 44000NB4 includes:

<u>Description</u>	<u>Quantity</u>
3/8" x 1" bolt	2
3/8" lock washer	2
3/8" crimp lock nut	2
S10152 (rear spring retaining washer)	2

Special note: Before installation begins, it is the customers/installers responsibility to make sure that all parts are on hand. If any parts are missing, please feel free to call one of our customer service representatives @ (801) 280-2777.

Recommended tools selection:

Torque wrench
 Standard socket set
 Standard wrench set
 Metric socket set
 Metric wrench set
 Tape measure
 Hydraulic floor jacks

Torque settings:

5/16"	15—18 ft lbs.
3/8"	28—32 ft lbs.
7/16"	30—35 ft lbs.
1/2"	65—85 ft lbs.
9/16"	85—120 ft lbs.
5/8"	95—130 ft lbs.
3/4"	100—140 ft lbs.

Please follow instructions carefully:

Before installation begins, measure from the center of the hub, to the bottom of the fender well, and record measurements below.

Pre-installation measurements:

Driver side front: _____

Passenger side front: _____

Driver side rear: _____

Passenger side rear: _____

At the end of the installation take the same measurements and compare to the pre-installation measurements.

Post installation measurements:

Driver side front: _____

Passenger side front: _____

Driver side rear: _____

Passenger side rear: _____

Front end installation:

1. To begin installation, block the rear tires of the vehicle so that the vehicle is stable and can't roll backwards. Safely lift the front of the vehicle and support the frame with a pair of jack stands. Place a jack stand on both the driver and the passenger side. Next, remove the front wheels and tires from both sides.

2. Place a pair of hydraulic floor jacks under the front differential. Place one on the driver side and one on the passenger side.

3. Working on the driver side, remove the stock upper mounting hardware that connects the stock shock into the stock location. The stock hardware may be discarded. Next, remove the stock hardware that connects the stock shock into the stock lower location and save the stock hardware for later re-installation. The stock shock may be discarded. Repeat procedure on the passenger side. **Special Note: New longer front shocks are needed, if you have not already ordered your new front shocks, please contact Tuff Country or your local Tuff Country dealer and order the proper shocks. Tuff Country recommends using a 26" fully extended nitrogen gas shock.**

Photo # 1

Photo # 2

4. Working on the driver side, remove the stock hardware that connects the stock track bar to the stock location. Save the stock hardware for later re-installation. Repeat procedure on the passenger side.

Photo # 3

Photo # 4

5. Working on the driver side, remove the stock sway bar end link from the stock axle mount and the stock sway bar. The stock hardware and the stock end link may be discarded. Repeat procedure on the passenger side.

Photo # 5

Photo # 6

6. Working on the driver side, remove the stock brake line bracket hardware that attaches the stock brake line bracket to the stock frame rail. The stock hardware may be discarded. Repeat procedure on the passenger side.

Photo # 7

7. Carefully lower down on both hydraulic floor jacks enough so that the stock coil springs can be removed.

8. Working on the driver side, remove the stock coil spring from the stock location and discard. Repeat procedure on the passenger side. Special note: keep the stock spring isolator in place, we do not want to remove it.

Photo # 8

9. Working on the driver side, remove the stock bump stop from the stock bump stop cup and discard. Repeat procedure on the passenger side.

Photo # 9

10. Working on front drive shaft, place a reference mark on the front drive shaft and the pinion flange. Remove the stock front drive shaft from the stock front differential and save the stock hardware for later re-installation. Let the stock front drive shaft hang.

Photo # 10

Photo # 11

11. Locate the new front bump stops. Working on the driver side, install the new front bump stop into the stock location. Repeat procedure on the passenger side. **Special note: using some lithium base grease will help make installation easier.**

Photo # 12

12. Working on the driver side, remove the stock lower control arm from the axle mount and the frame mount. Save the stock hardware for later re-installation. The stock lower control arm may be discarded. Repeat procedure on the passenger side.

Photo # 13

Photo # 14

13. Locate the new driver and passenger front EZ-Flex lower control arms. Also, locate the stock lower control arm hardware that was removed from step # 12. **Special note: Set the length of the new driver and passenger side front EZ-Flex lower control arms to 23 3/4". Final adjustments can be made once the vehicle has been taken to the alignment shop.** Working on the driver side, following the sticker on the new front EZ-Flex lower control arm and install into the stock location. Secure using the stock hardware. **Do not tighten at this point.** Repeat

procedure on the passenger side.

Photo # 15 / Photo # 16

Photo # 17

(driver side shown)

14. Working on the driver side, remove the stock upper control arm from the stock location. Save the stock hardware. The stock upper control arm may be discarded. Repeat procedure on the passenger side. **Special note: On the frame mount on the passenger side, the stock bolt needs to be cut off due to clearance issues with the exhaust. A new bolt is provided.**

Photo # 18 / Photo # 19

Photo # 20 (passenger side shown)

15. Locate the new upper control arms. Locate the stock mounting hardware that was removed in step # 14. Also, locate (1) S10141 from hardware bag 44000NB6. **Special note: Set the length of the new driver and passenger side front EZ-Flex upper control arms to 19 1/2". Final adjustments can be made once the vehicle has been taken to the alignment shop.** Working on the driver side, install the new EZ-Flex upper control arm into the stock location and secure using the stock hardware. **Do not tighten at this point.** Repeat procedure on the passenger side. **Special note: Make sure to use the new S10141 bolt and hardware on the frame mount and install from the new bolt from the outside of the vehicle towards the inside.**

Photo # 21 / Photo # 22

Photo # 23 (passenger side shown)

16. Tuff Country offers a 1/2" spacer for the front of vehicles that have a bigger bumper or a wench so that the vehicle will sit level. If this is the case on the vehicle that you are working on, install the 1/2" coil springs spacer on the driver and passenger side.

17. Locate the new front coil springs, working on the driver side, install the new front coil spring into the stock location. Make sure that the new coil spring seats properly into the lower coil spring seat. Carefully raise up on the hydraulic floor jack holding the driver side of the front differential until it reaches ride height. Repeat procedure on the passenger side.

Photo # 24

Photo # 25

18. Locate the new driver and passenger side brake line relocation brackets and hardware that are packaged with the front extended brake lines. Working on the driver side, secure the new brake line relocation bracket to the stock location on the frame rail and secure using the new hardware provided. Repeat procedure on the passenger side.

19. Locate the new front driver and passenger side extended brake lines. Working on the driver side, remove the stock brake line from the stock hard mount and the

caliper. The stock brake line may be discarded. Install the new brake line to the hard mount and the caliper using the stock and new hardware provided with the new brake lines. Repeat procedure on the passenger side. Using some shock ties, tie the new extend brake lines to the stock ABS lines. **Special note: There is a driver and passenger side extended brake line, refer to the photo's to make sure that you install the driver side extended brake line on the driver side and the passenger side extended brake line on the passenger side. Also, after the completion of the installation, bleed the brake lines and top off the brake fluid.**

Photo # 26 / Photo # 27

Photo # 28

(driver side shown)

20. Locate the stock front drive shaft hardware that was removed in step # 10. Install the stock front drive shaft back to the front differential flange and secure using the stock hardware. Make sure to use thread locker or lock tite and torque to **30 ft lbs.** **Special note: Make sure that the marks line up that were scribed in step # 10.**

Photo # 29

21. Locate the stock front track bar mounting hardware that was removed in step # 4. Also, locate the new adjustable front track bar and the joint end. Install the joint end in the new front track bar and adjust the front adjustable track bar to 33" from center of eye to center of eye. Working on the driver side, install the new front adjustable track bar to the stock location and secure using the stock hardware. Make sure to use thread locker or lock tite and torque to **75 ft lbs.** Next, install the new front adjustable track bar to the passenger side stock location and secure using the stock hardware. Make sure to use thread locker or lock tite and torque to **75 ft lbs.** **Special note: With the new front adjustable track bar, fine tuning of the tracking can be addressed when the vehicle is getting aligned.**

Photo # 30

22. Locate (2) S10142 (large QD stud), (2) S10098 (large QD stud lock washer) and (2) S10099 (large QD stud jam nut) from hardware bag 44000NB2. Working on the driver side, install the new large QD stud to the stock lower sway bar mounting location and secure using the lock washer and jam nut. Make sure to use thread locker or lock tite and torque to **65 ft lbs.** Repeat procedure on the passenger side.

Photo # 31

23. Locate (2) S10148 (QD "L" brackets), (2) S10094 (small QD stud) and (2) S10147 (3/8" thin jam nut) from hardware bag 44000NB2. Working on the driver side, remove the stock body mount nut and install the new "L" bracket using the stock hardware. Make sure to use thread locker or lock tite and torque to **75 ft lbs.** Now install the small QD stud to the "L" bracket and secure using the 3/8" thin jam nut. Make sure to use thread locker or lock tite and torque to **16 ft lbs.** Repeat procedure on the passenger side.

Photo # 32

24. Locate the new driver and passenger side sway bar end links. Also, locate (2) S10096 (QD pins) and (2) S10097 (QD over size washers) from hardware bag 44000NB2. Working on the driver side, secure the new sway bar end link to the bottom QD stud and secure using the over size washer and pin. Repeat procedure on the passenger side.

Photo # 33

25. Locate (2) S10143 (12 mm x 70 mm bolts), (2) S10145 (12 mm jam nut) and (2) S10146 (9/16" x 1 3/8" washer) from hardware bag 44000NB2. Working on the driver side, secure the top of the new end link to the stock sway bar and secure using the new 12 mm hardware and washer. Make sure to use thread locker or lock tite and torque to **55 ft lbs.** Repeat procedure on the passenger side.

Photo # 34

Photo # 35

26. If you are going to disconnect the sway bar, remove the pin from the lower QD stud and swing it up to the small stud and secure using the pin.

Photo # 36

27. Locate the new front shocks. **Special note: New longer front shocks are needed, if you have not already ordered your new front shocks, please contact Tuff Country or your local Tuff Country dealer and order the proper shocks. Tuff Country recommends using a 26" fully extended nitrogen gas shock.** Also, locate the stock lower hardware that was removed in step # 3. Locate (2) S10074 sleeve from hardware bag 44000NB6. Install the new poly bushings and S10074 sleeve into the bottom part of the new shock. **Special note: Make sure to use a lithium or moly base grease prior to inserting the new bushings and sleeves into the new lower eyelet of the new shock. This will increase the life of the bushing as well as prevent squeaking.** Working on the driver side, install the new shock into the stock lower mounting location and secure using the stock hardware. Make sure to use thread locker or lock tite and torque to **65 ft lbs.** Now install the new shock into the stock upper location using the new hardware provided in the new shock. Make sure to use thread locker or lock tite and torque to **22 ft lbs.** **Tuff Country EZ-Ride Suspension highly recommends that the shocks are installed with shock boots. If shock boots are not installed, damage may occur to the piston of the new shock.** Repeat procedure on the passenger side.

Photo # 37

28. Locate (3) S10053 (cross member sleeves) from hardware bag 44000NB6. Working on the driver side, remove the (2) stock bolts holding the cross member to the bottom side of the stock frame rail. Save the stock hardware for later re-installation. Working on the driver side, remove the (1) stock bolt holding the cross member to

the bottom side of the stock frame rail. Save the stock hardware for later re-installation. Install the cross member using the spacer sleeves and the stock hardware into the stock locations. Make sure to use thread locker or lock tite and torque all (3) bolts to **55 ft lbs.**

Photo # 38

Photo # 39

29. Carefully remove both hydraulic floor jacks from under the front differential.

30. Install the tires and wheels and carefully lower the vehicle to the ground.

31. Check and double check to make sure that all steps were performed properly and check again.

Front end installation complete!

Rear end installation:

32. To begin installation, block the front tires of the vehicle so that the vehicle is stable and can't roll forward. Safely lift the rear of the vehicle and support the frame with a pair of jack stands. Place a jack stand on both the driver and passenger side. Next, remove the wheels and tires from both sides.

33. Place a pair of hydraulic floor jacks under the rear differential. Place one on the driver and passenger side.

34. Working on the driver side, remove the stock shock from the stock upper and lower location and save the stock hardware for later re-installation. The stock shock may be discarded. **Special note: New longer rear shocks are needed, if you have not already ordered your new rear shocks, please contact Tuff Country or your local Tuff Country dealer and order the proper shocks. Tuff Country recommends using a 30" fully extended nitrogen gas shock.** Repeat procedure on the passenger side.

Photo # 40

Photo # 41

35. Working on the driver side, remove the stock sway bar end link from the stock upper and lower location. The stock end link and the stock upper mounting hardware may be discarded. Save the stock lower mounting hardware for later re-installation. Repeat procedure on the passenger side.

Photo # 42

Photo # 43

36. Working on the driver side, remove the clip that connects the ABS line to the upper control arm mount. Repeat procedure on the passenger side.

Photo # 44

37. Working on the driver side, remove the stock brake line

bracket from the frame mount location. The stock hardware may be discarded. Repeat procedure on the passenger side.

Photo # 45

38. Locate the new driver and passenger side brake line relocation brackets and hardware that are packaged with the rear extended brake lines. Working on the driver side, secure the new brake line relocation bracket to the stock location on the frame rail and secure using the new hardware provided. Repeat procedure on the passenger side.

39. Locate the new rear driver and passenger side extended brake lines. Working on the driver side, remove the stock brake line from the stock hard mount and the caliper. The stock brake line may be discarded. Install the new brake line to the hard mount and the caliper using the stock and new hardware provided with the new brake lines. Repeat procedure on the passenger side. **Special note: There is a driver and passenger side extended brake line, refer to the photo's to make sure that you install the driver side extended brake line on the driver side and the passenger side extended brake line on the passenger side. Also, after the completion of the installation, bleed the brake lines and top off the brake fluid.**

Photo # 46 / Photo # 47

Photo # 48

(driver side shown)

40. Remove the emergency brake cable bracket from the body of the vehicle. Save (1) nut and the other nut may be discarded.

Photo # 49

Photo # 50

41. Locate (1) BLR06 (emergency brake cable relocation bracket), (1) 5/16" x 1" bolt, (2) 1/4" USS flat washers and (1) 5/16" unitorque nuts from hardware bag 44000NB6. Install the stock emergency brake cable to the new relocation bracket and secure using the new 5/16" x 1" bolt and hardware. Make sure to use thread locker or lock tite and torque to **18 ft lbs.** Now secure to new relocation bracket to the rear stock stud and secure using the stock hardware that was removed in step # 40. Make sure to use thread locker or lock tite and torque to **10 ft lbs.**

Photo # 51

42. Working on the passenger side, remove the stock track bar from the stock track bar location. Save the stock hardware for later re-installation.

Photo # 52

43. Carefully lower down on both hydraulic floor jacks at the same time allowing enough room to remove the stock rear coil springs. Working on the driver side, remove the stock coil spring from the stock location and discard. Also, remove the stock upper coil spring isolator. Repeat

procedure on the passenger side.

44. Working on the driver side, remove the stock bump stop from the stock location and discard. Repeat procedure on the passenger side.

Photo # 53

45. Working on the driver side, remove the stock lower control arm from the axle mount and the frame mount. Save the stock hardware for later re-installation. The stock lower control arm may be discarded. Repeat procedure on the passenger side.

46. Locate the new driver and passenger rear EZ-Flex lower control arms. Also, locate the stock lower control arm hardware that was removed from step # 43. **Special note: Set the length of the new driver and passenger side front EZ-Flex lower control arms to 20 3/8". Finally adjustment can be made once the vehicle has been taken to the alignment shop.** Working on the driver side, install the new rear EZ-Flex control arm to the stock location and secure using the stock hardware. Do not tighten at this point. **Special note: We want to install the rubber bushing end to the frame bracket and the joint side wiht the zert fitting facing upwards to the axle bracket.** Repeat procedure on the passenger side.

Photo # 54

Photo # 55

47. Working on the driver side, remove the stock upper control arm from the stock location and save the stock hardware for later re-installation. The stock upper control arms may be discarded. Repeat procedure on the passenger side.

Photo # 56

Photo # 57

48. Locate the new driver and passenger rear EZ-Flex upper control arms. Also, locate the stock upper control arm hardware that was removed from step # 47. **Special note: Set the length of the new driver and passenger side rear EZ-Flex upper control arms to 18". Final adjustments can be made once the vehicle has been taken to the alignment shop.** Working on the driver side, following the sticker on the new rear EZ-Flex upper control arm and install into the stock location. Secure using the stock hardware. **Do not tighten at this point.** Repeat procedure on the passenger side.

Photo # 58

Photo # 59

49. Locate the new rear bump stops. Working on the driver side, install the new rear bump stop into the stock location. Repeat procedure on the passenger side. **Special note: using some lithium base grease will help make installation easier.**

50. Locate the new rear track bar relocation bracket. Also, locate (2) 1/2" x 1 1/2" bolts, (4) 7/16" USS flat washers, (2)

1/2" unitorque nuts, (1) 9/16" x 3" bolt, (2) 1/2" USS flat washers and (1) 9/16" unitorque nut from hardware bag 44000NB6. Install the new rear track bar relocation bracket into the stock location and secure using the new 9/16" x 3" bolt and hardware. **Do not tighten at this point. Special note: Make sure the new bracket is on the back side of the stock cross member.** Now secure the bracket to the cross member using the new 1/2" x 1 1/2" bolts and hardware. Make sure to use thread locker or lock tite and torque to **75 ft lbs.** Move back to the newly installed 9/16" x 3" bolt and add some thread locker or lock tite and torque to **85 ft lbs.**

Photo # 60

51. Locate the new rear coil spring isolators. Working on the driver side, install the new isolator into the stock upper location. Repeat procedure on the passenger side.

52. Locate the new rear coil springs. Working on the driver side, install the new rear coil springs into the stock location and raise up on the hydraulic floor jack to ride height. Repeat procedure on the passenger side.

Photo # 61

53. Locate (2) 3/8" x 1" bolts, (2) 3/8" lock washers, (2) 3/8" crimp lock nuts and (2) S10152 (rear spring retaining washers) from hardware bag 44000NB4. Working on the driver side, attach the new rear spring retaining washer on the inside of the new coil and secure using the new 3/8" x 1" bolt and hardware. Make sure to use thread locker or lock tite and torque to **18 ft lbs.** Repeat procedure on the passenger side.

Photo # 62

54. Locate the new rear sway bar end links. Also, locate the lower sway bar end link mounting hardware that was removed in step # 36. Working on the driver side, install the new end link to the lower sway bar end link mount. **Special note: Make sure to install the new mount to the inside of the stock bracket and secure using the stock hardware. Do not tighten at this point.** Repeat procedure on the passenger side.

55. Locate (2) S10149 (12 mm x 50 mm bolt), (2) S10144 (12 mm jam nut) and (4) 12 mm flat washers from hardware bag 44000NB3. Working on the driver side, install the new end link to the stock sway bar using the new 12 mm hardware. **Special note: Make sure to install the new end link on the inside of the stock sway bar. Do not tighten at this point.** Move back to the stock hardware lower hardware and add some thread locker or lock tite and torque to **55 ft lbs.** Now move back to the upper 12 mm hardware and add some thread locker or lock tite and torque to **55 ft lbs.** Repeat procedure on the passenger side.

56. Locate the new rear shocks. **Special note: New longer rear shocks are needed, if you have not already ordered your new rear shocks, please contact Tuff Country or your local Tuff Country dealer and order the proper shocks. Tuff Country recommends using a 30" fully extended nitrogen gas shock.** Also, locate (2) new rear

clevis mounts and (2) S10074 from hardware bag 44000NB6. Install the new poly bushing supplied with the new shocks into each end of the new shocks. Now install the new S10074 sleeves into the bottom of the new shocks. Install the new shocks boots onto the new shocks. **Special note: Tuff Country EZ-Ride Suspension highly recommends that the shocks are installed with shock boots. If shock boots are not installed, damage may occur to the piston of the new shock.** Once the new shock boots have been installed, install the new clevis mount into the upper bushing in the upper eyelet. **Special note: Make sure to use a lithium or moly base grease prior to inserting the new bushings and sleeves into the new lower eyelet of the new shock. This will increase the life of the bushing as well as prevent squeaking.**

57. Locate the stock upper and lower shock hardware that was removed in the step # 34. Working on the driver side, install the new shock into the stock location and secure using the stock hardware. Make sure to use thread locker or lock tite and torque the lower mounting hardware to **75 ft lbs** and the upper mounting hardware to **18 ft lbs.** Repeat procedure on the passenger side.

Photo # 63

58. Locate the stock track bar hardware that was removed in step # 42. Install the stock track bar to the newly installed track bar relocation bracket and secure using the stock hardware. Make sure to use thread locker or lock tite and torque to **85 ft. lbs.**

59. Remove the hydraulic floor jacks from under the rear differential.

60. Working on the driver side, re-install the stock ABS clip that was removed from the upper control arm mount in step # 36. Repeat procedure on the passenger side.

61. Install the tires and wheels and carefully lower the vehicle to the ground.

62. Check and double check to make sure that all steps were performed properly. And then check them again.

63. Move back to the stock hardware holding the new front and rear EZ-Flex lower control arms to the stock mounting location and add some thread locker or lock tite and torque the stock hardware to **85 ft lbs.**

64. Move back to the stock and new hardware holding the new front and rear EZ-Flex upper control arms to the stock mounting location and add some thread locker or lock tite and torque to the new and stock hardware to **65 ft lbs.**

65. If you have not already done so, please bleed the brake lines at this point and with proper brake fluid, top off the break fluid reservoir.

Congratulations, installation complete!

Special note: After the completion of the installation, Tuff Country EZ-Ride Suspension recommends taking the vehicle to an alignment shop and having a proper front end alignment performed.

Tuff Country EZ-Ride Suspension recommends that a complete re-torque is done on all bolts associated with this suspension system. It is the customers responsibility to make sure that a re-torque is performed on all hardware associated with this suspension system after the first 100 miles of installation. It is also the customers responsibility to do a complete re-torque after every 3000 miles or after every off road use. Neglect of following these steps could cause brackets to come loose and cause serious damage to the suspension system and to the vehicle.

Tuff Country EZ-Ride Suspension packages (2) sets of instruction sheets with this box kit. (1) is for the installer and (1) is for the customer. The (1) for the customer has some post installation procedure literature and it is the installers responsibility to make sure that the customer receives a copy of the installation manual along with the literature.

If you have any questions or concerns, please feel free to contact Tuff Country or your local Tuff Country dealer.



Photo # 1



Photo # 2



Photo # 3



Photo # 4



Photo # 5



Photo # 6

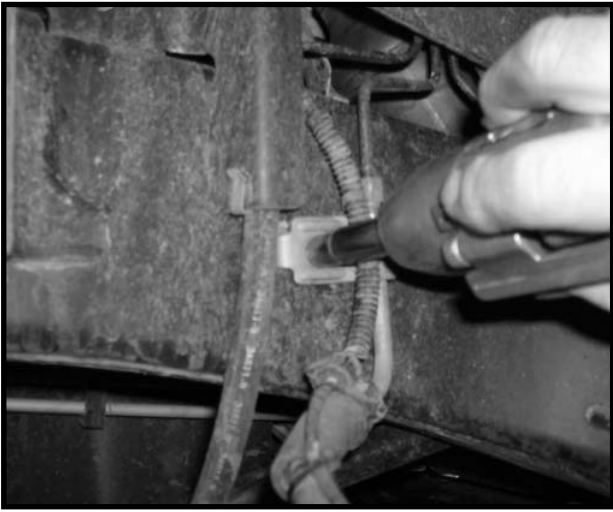


Photo # 7

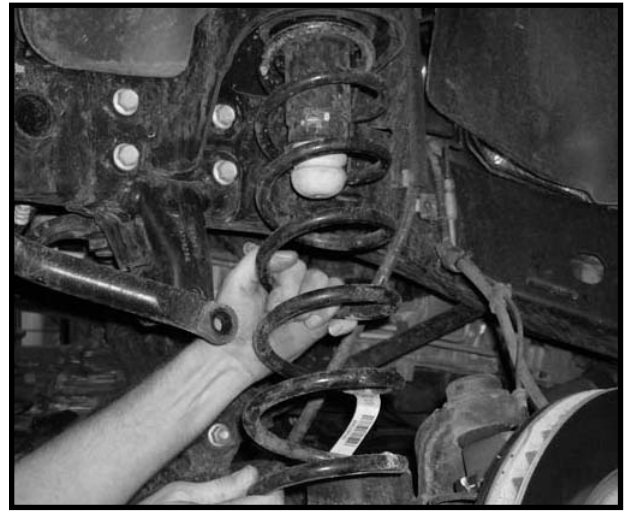


Photo # 8



Photo # 9

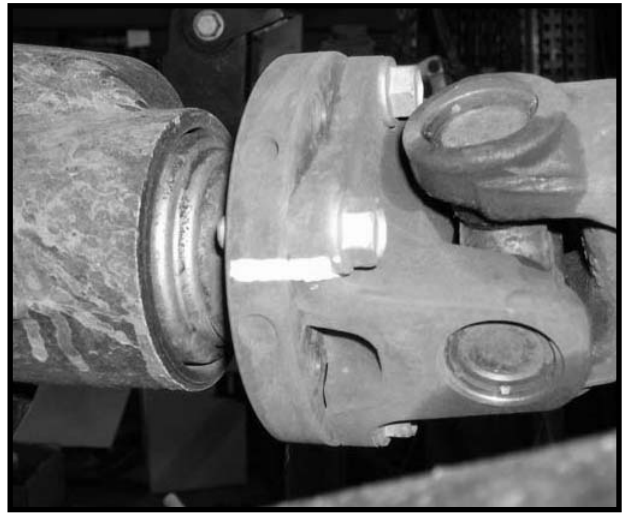


Photo # 10



Photo # 11



Photo # 12



Photo # 13



Photo # 14



Photo # 15

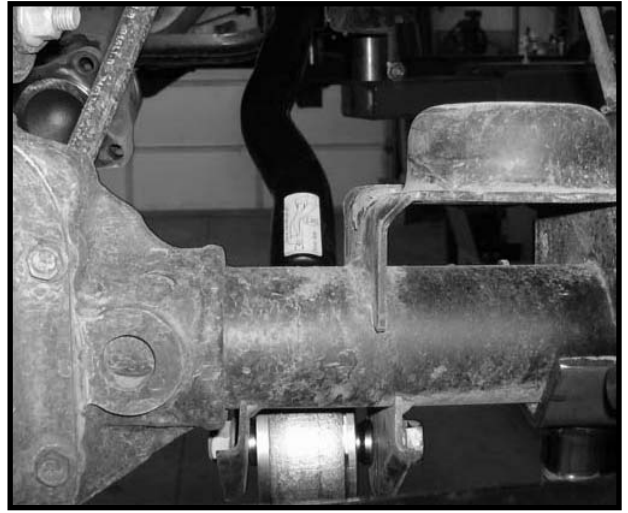


Photo # 16



Photo # 17



Photo # 18



Photo # 19



Photo # 20



Photo # 21



Photo # 22

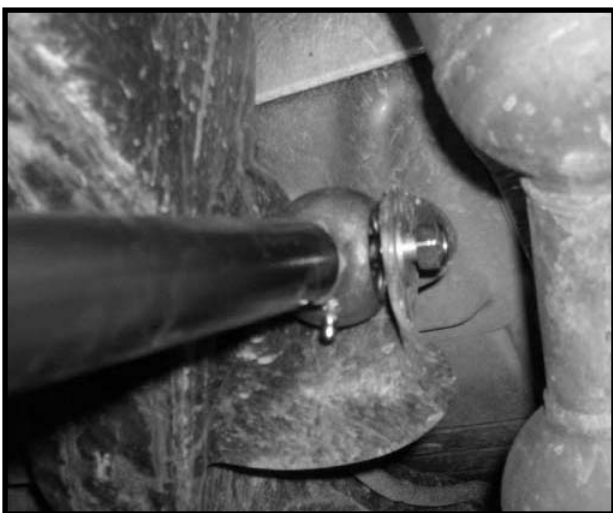


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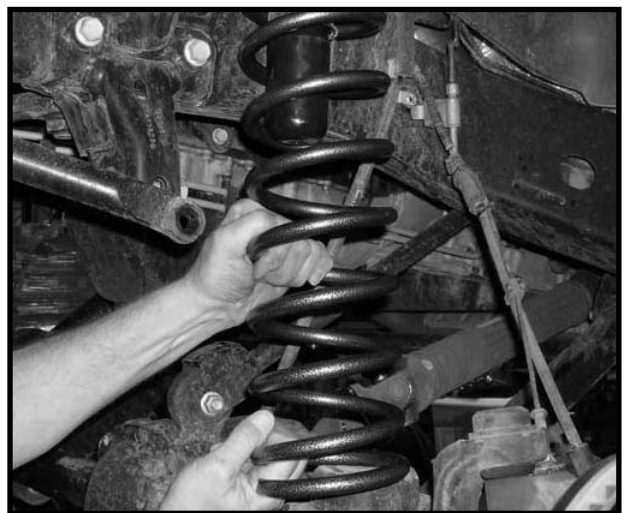


Photo # 24



Photo # 25

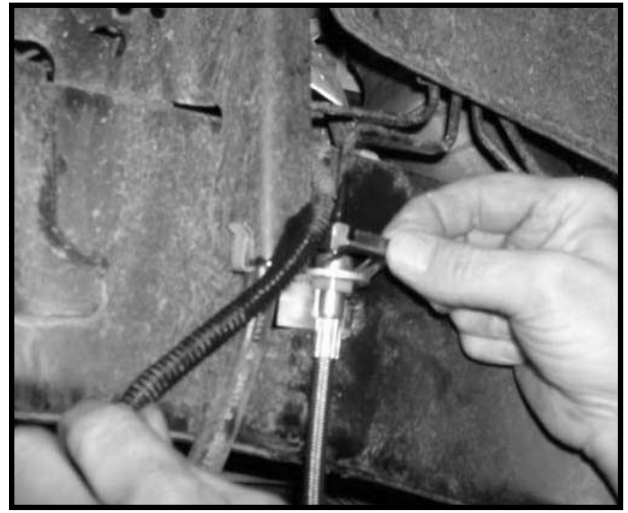


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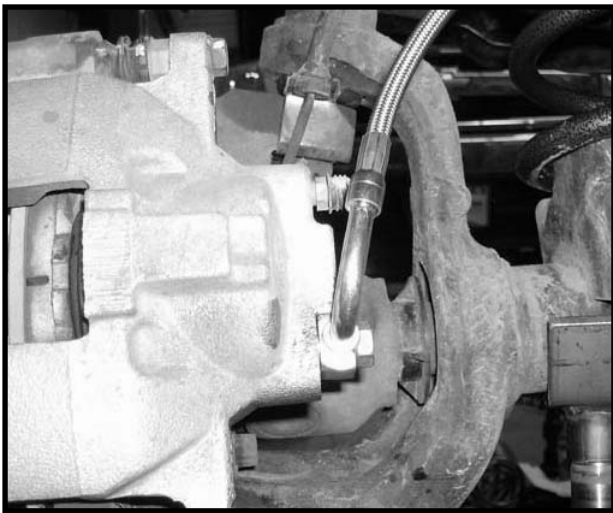


Photo # 27



Photo # 28



Photo # 29



Photo # 30

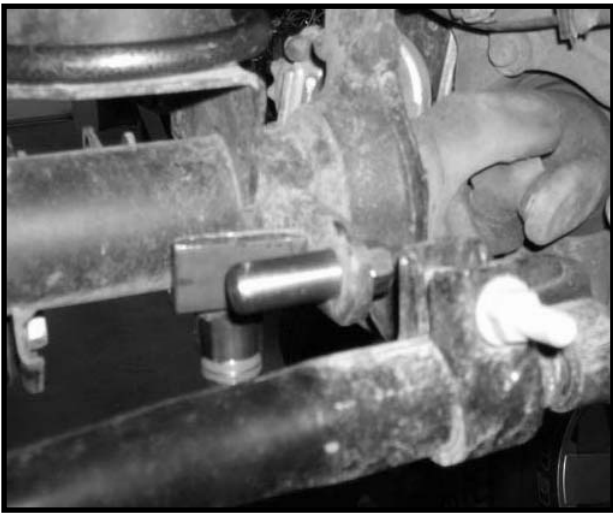


Photo # 31



Photo # 32

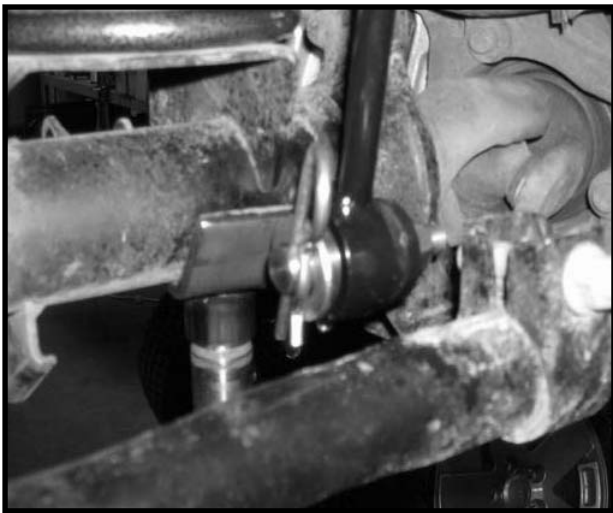


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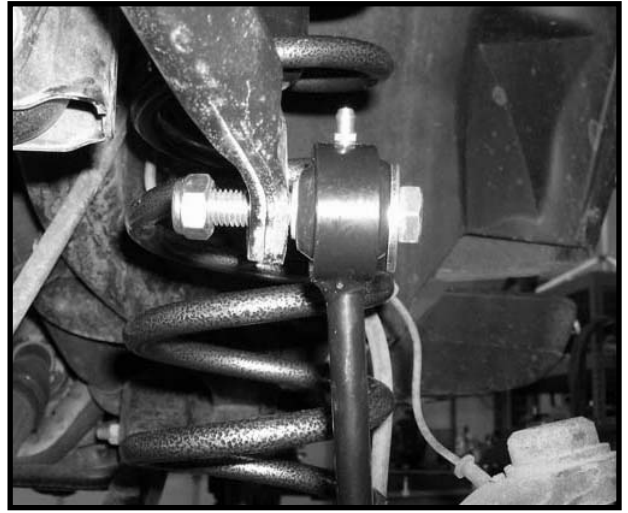


Photo # 34



Photo # 35

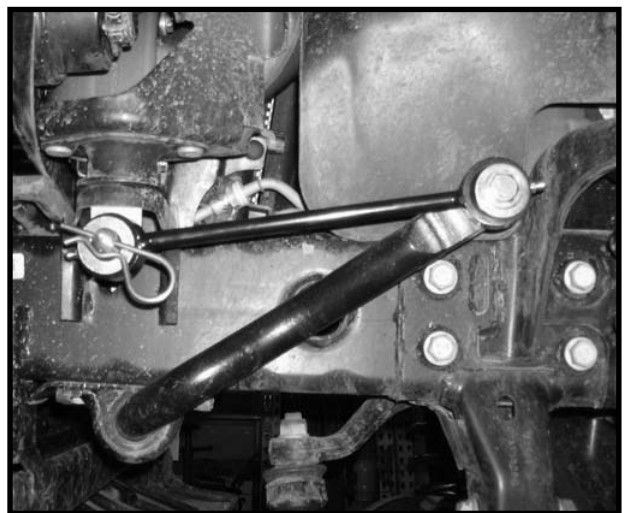


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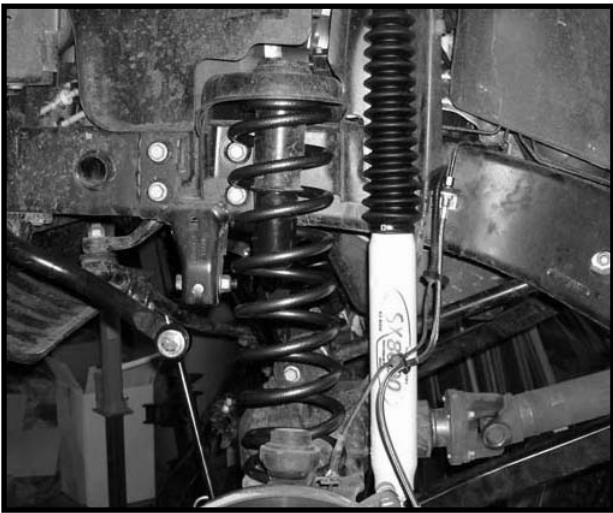


Photo # 37



Photo # 38



Photo # 39



Photo # 40



Photo # 41



Photo # 42



Photo # 43



Photo # 44



Photo # 45

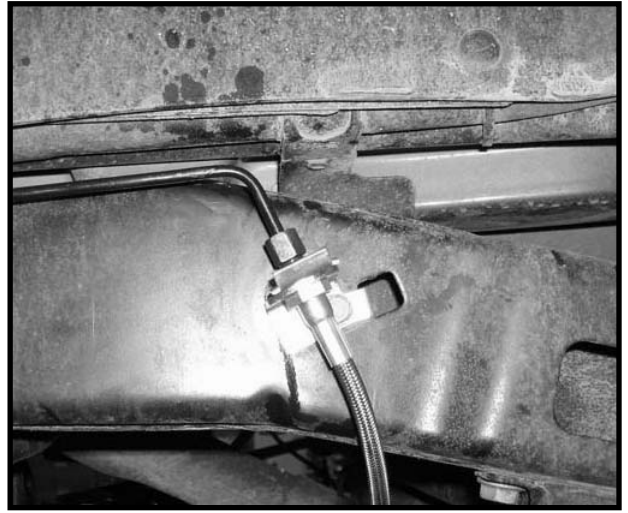


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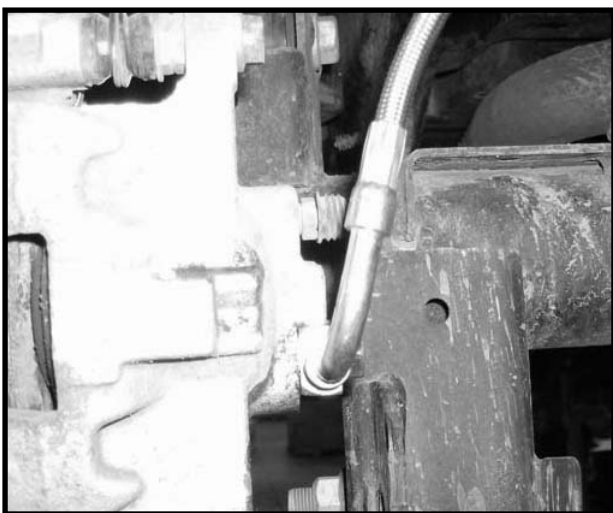


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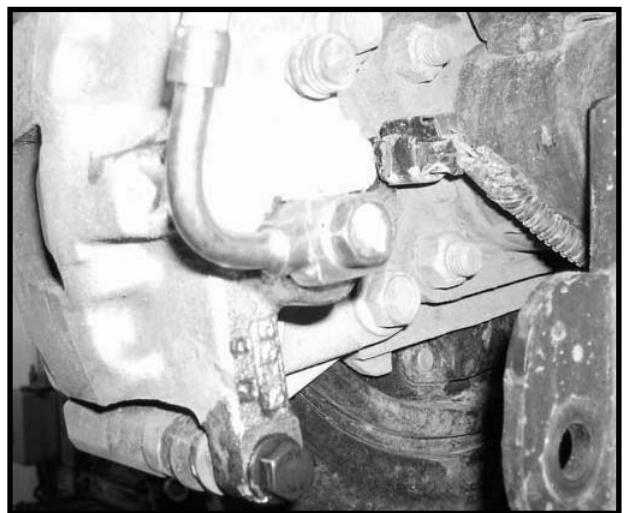


Photo # 48



Photo # 49



Photo # 50



Photo # 51



Photo # 52



Photo # 53



Photo # 54

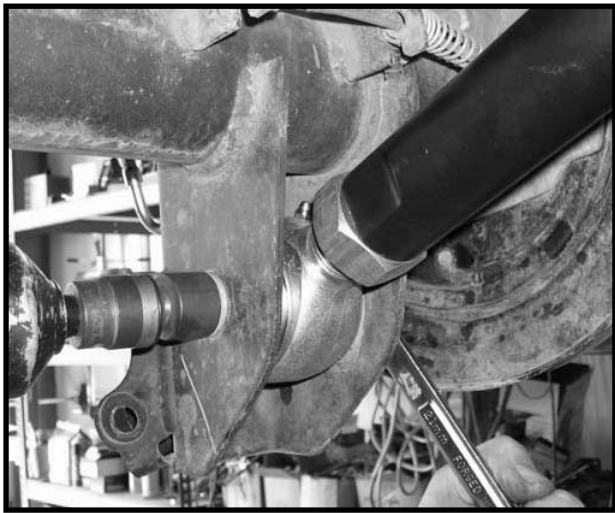


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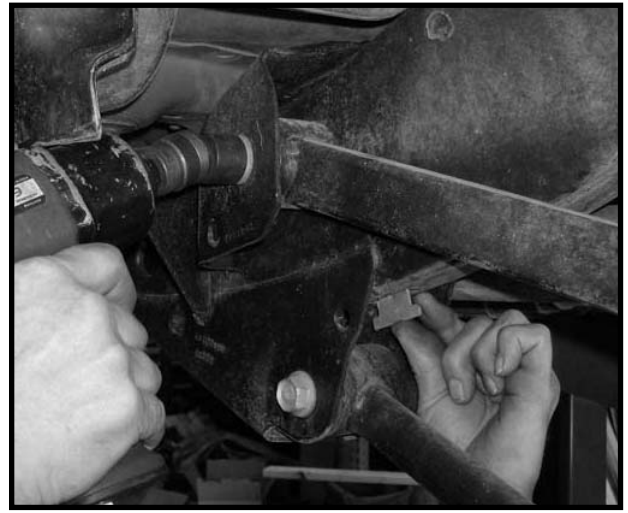


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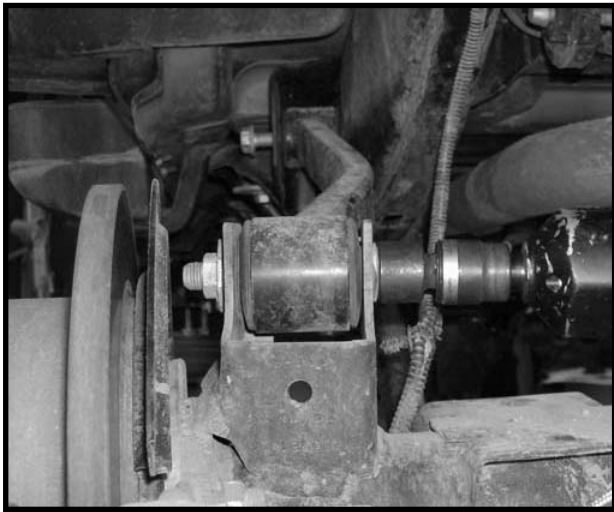


Photo # 57



Photo # 58



Photo # 59



Photo # 60



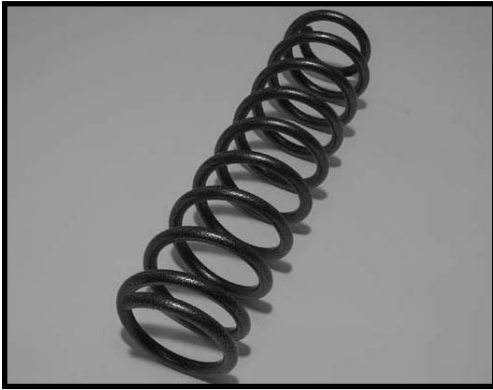
Photo # 61



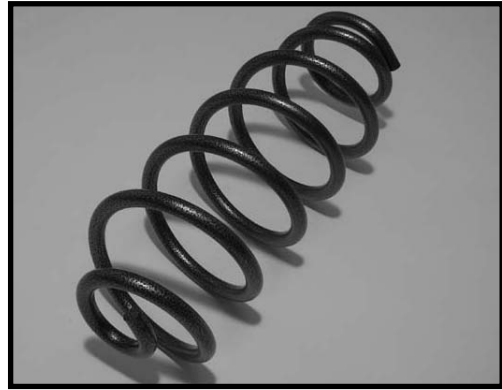
Photo # 62



Photo # 63



JK4F-CL01 (2)
Front coil springs



JK4R-CL01 (2)
Rear coil springs



44000-05DP (2)
DS & PS front QD end links



44000-06 (2)
DS & PS rear end links



44000-09 (2)
Front extended bump stops



44000-10 (2)
Rear extended bump stops



44000-12 (2)
Front coil spring spacers



44000-13 (2)
Rear coil spring spacers



44000-04 (1)
Rear track bar relocation bracket



44000-07 (1)
Front adjustable track bar



44000-01 (1)
DS EZ-Flex front lower control arm



44000-02 (1)
PS EZ-Flex front lower control arm



44000-11 (2)
DS & PS EZ-Flex rear lower control arm



46000-01 (2)
DS & PS EZ-Flex front upper control arms



46000-02 (1)
DS EZ-Flex rear upper control arm



46000-07 (1)
PS EZ-Flex rear upper control arm