Rough Country 633N2 Installation Instructions

4.5-Inch Lift Kit with N3 Shocks for Jeep Cherokee (1984-2001)

Part number: 633N2

trailfortress.com/rough-country-4-5-inch-lift-kit-633n2

Scan for fitment, price and install help

92162300A

ROUGH COUNTRY SUSPENSION SYSTEMS®

7570BAG6

84-01 4.5” XJ CHEROKEE LIFT KIT

Thank you for choosing Rough Country for your suspension needs.

Rough Country recommends a certified technician installs 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 all the instructions before beginning the installation. Check the kit hardware against the parts list. Be sure you have all the needed parts and understand where they go. Also please review the tools needed and make sure you are confident about undertaking this installation. If you have any questions about the installation of this kit, call Rough Country at 731-285-9000.

PRODUCT USE INFORMATION

⚠WARNING As a general rule, the taller a vehicle is the easier it will roll. 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.

Braking performance and capabilities are decreased when significantly larger/heaver tires and wheels are used. Take this into consideration while driving. Also, speedometer recalibration is necessary when larger tires are installed.

⚠NOTICE Do not add, alter, or fabricate any factory or after-market parts which increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands, lifts, voids all warranties. 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.

The 4.5” suspension system was developed for 32x11.50x15 tire on 15 x 8 after market wheel with 3.75” of back spacing. Due to the inconsistency of vehicles when manufactured and the various options available, the amount of actual lift gained by this lift kit will vary. On models outfitted with extra bolt-on equipment and accessories, Rough Country offers new coil spring isolator pads made from polyurethane to boost ride height 3/4".

⚠NOTICE NOTICE TO DEALER AND VECHICLE OWNER

Any vehicle equipped with any Rough country product must have the “Warning to Driver” decal installed on the sun visor or dash. The decal is to 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 to forward these installation instructions on too the vehicle owner for review and to be kept in the vehicle for its service life.

PRE-INSTALLATION INSTRUCTIONS

1. Layout the product– see page 7 for product layout.
2. Please verify before installation rear axle tube diameter is 2 ¾” or 3”. Both sets are included with this kit to accommodate rear axle options of the vehicle.

Technical Assistance 731-285-9000

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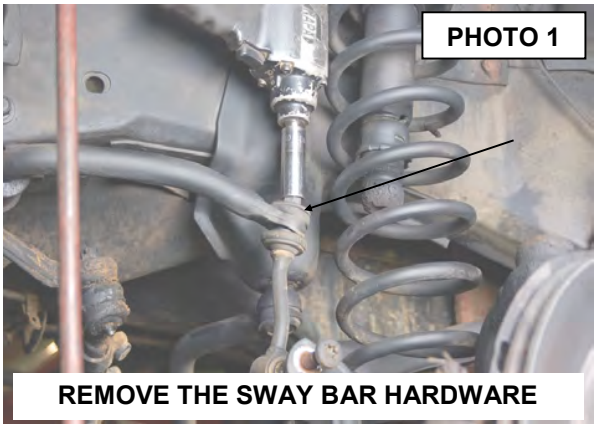
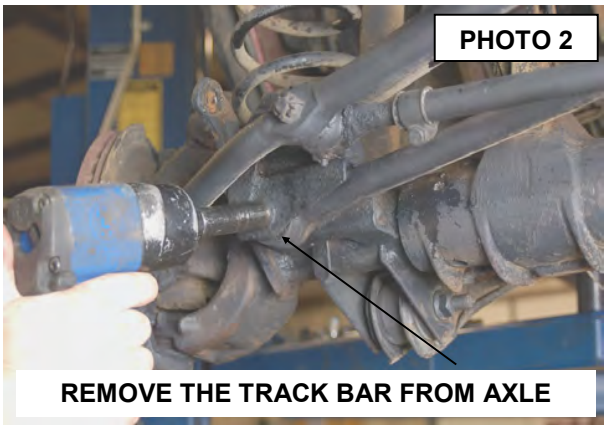
INSTALLATION INSTRUCTIONS

1. Secure and properly block the tires on the vehicle on a level concrete surface.
2. Jack up the vehicle and place the front of the vehicle on jack stands.
3. Remove the front wheels and tires.
4. Support the axle with a floor jack.
5. Remove the stock shock absorbers using a 15mm wrench. The stock bolts and nuts on the bottom of the shock will be reused. Note: Access to the upper shock studs will be obtained through the engine compartment. It also may be necessary to temporarily remove the washer fluid reservoir to access the driver side upper shock mount nut.
6. Remove the sway bar links on both sides using a T-55 torx bit /19mm wrench and a 15mm for the upper nut . **SEE PHOTO 1.**
7. Remove the track bar from the axle housing on passenger side using a 15mm wrench. **SEE PHOTO 2**. Retain factory bolt and flag nut for re-use.

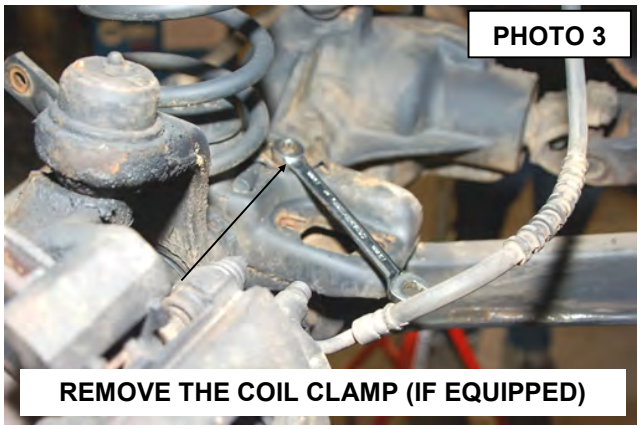


REMOVE THE SWAY BAR HARDWARE

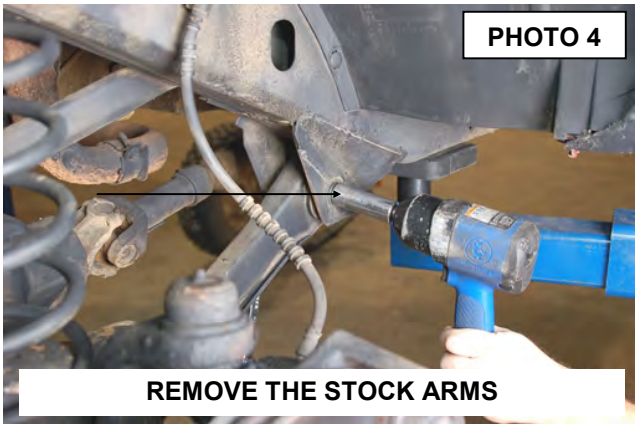


REMOVE THE TRACK BAR FROM AXLE

8. Locate and remove the coil clip on the driver side lower coil spring seat using a 13mm wrench. Lower the axle to allow for removal of the coil spring. Do not overextend the brake lines. The caliper can be removed from the rotor to allow the axle to lower. Do not let the brake caliper hang from the brake line. Remove coil spring. **SEE PHOTO 1**. Repeat for opposite side.
9. With the differential supported, remove the driver side lower control arm from the vehicle using a 21mm wrench. **SEE PHOTO 4.** Retain factory hardware, as it will be reused. Repeat for opposite side.
10. Lower the axle using the floor jack. With the axle lowered, install coil springs on both sides, making sure the lower coil wrap is seated in the lower spring cup. Install factory spring retainer and secure with factory hardware using a 13mm wrench.

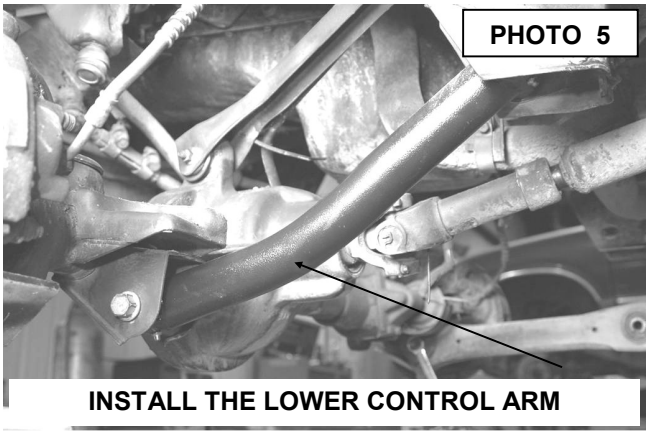


REMOVE THE COIL CLAMP (IF EQUIPPED)

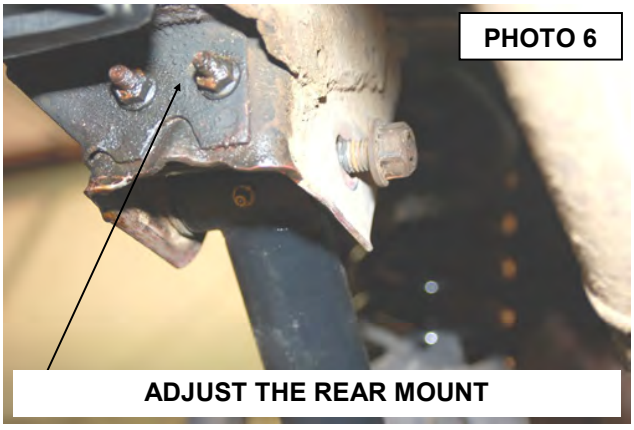


REMOVE THE STOCK ARMS

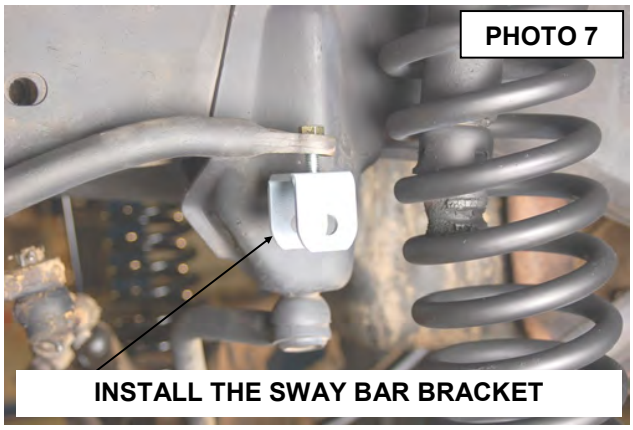
11. Jack up the front axle and install the lower control arms with the bent part of the arm down using the factory hardware. Repeat for opposite side. Torque the factory bolts to factory specs. **SEE PHOTO 5.**
12. **PHOTO 6** shows the caster adjustment bolts on the lower control arms. These bolts are adjusted in or out as needed for caster alignment. Alignment should be performed by a professional.
13. Install the sway bar hoop on the sway bar where the stock link was secured, with the supplied 3/8" x 1.25" bolt and flanged lock nut using a 9/16" wrench**. SEE PHOTO 7**. Install the link on the lower mount with the supplied 12mm x 65mm hardware. Install the upper part of the new link in the hoop bracket with the 12mm x 65mm bolts lock nuts *with the head of the bolt toward the frame and threads pointing outside for clearance*. Tighten using a 18mm wrench.



INSTALL THE LOWER CONTROL ARM

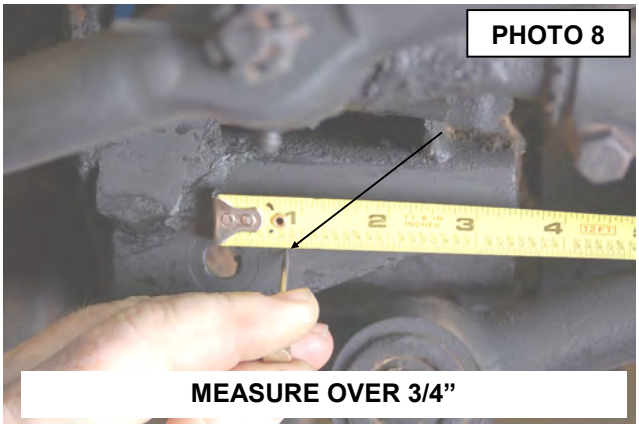


ADJUST THE REAR MOUNT

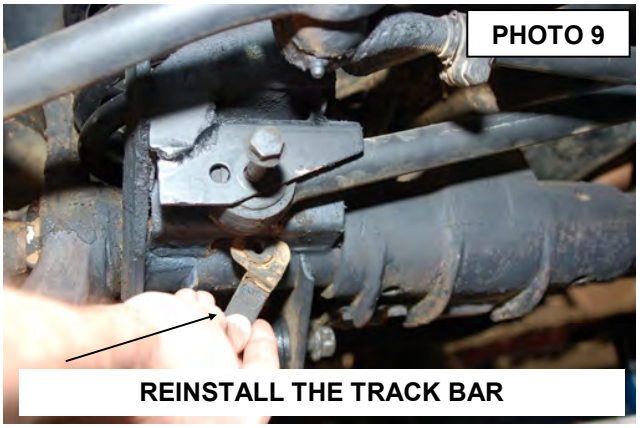


INSTALL THE SWAY BAR BRACKET

14. On the front track rod mount. Mark as shown in **Photo 8** straight over 3/4" and mark using a punch.
15. Drill the new track bar hole using a 7/16 drill bit, making sure to drill level. Do not reinstall track rod at this time. This will be performed later with the vehicle on the ground.
16. Install the new shock absorbers **Part # 660743** and tighten the factory bottom bolts using a 13mm wrench and the upper with a 9/16 wrench . Reinstall the wiper reservoir if removed.
17. Install the front wheels and tires. Jack up the vehicle, Remove jack stands and lower the vehicle to the ground.
18. Check to make sure the body is centered over the axle. Unlocking the steering wheel and turning the wheel to move the body, do this until the newly drilled track rod extension hole line up. Install the track rod with the stock bolt /flag nut and using a 15mm wrench. **See Photo 9.** Torque to factory specs.



MEASURE OVER 3/4"

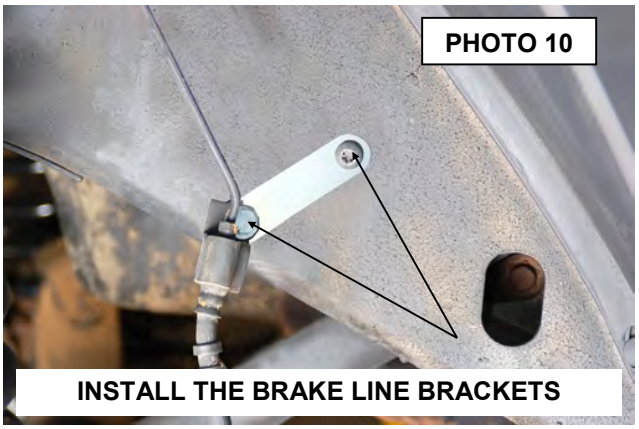


REINSTALL THE TRACK BAR

Technical Assistance 731-285-9000

FRONT BRAKE LINE BRACKET INSTALLATION

1. Remove the front brake line from the frame using a T-40 Torx bit.
2. Attach the brake line to the new brake line extension bracket with l the supplied 5/16” hardware as shown in **Photo 10** and tighten using a 1/2” wrench.
3. Install the new bracket into the stock hole with the stock hardware using the T-40 bit.



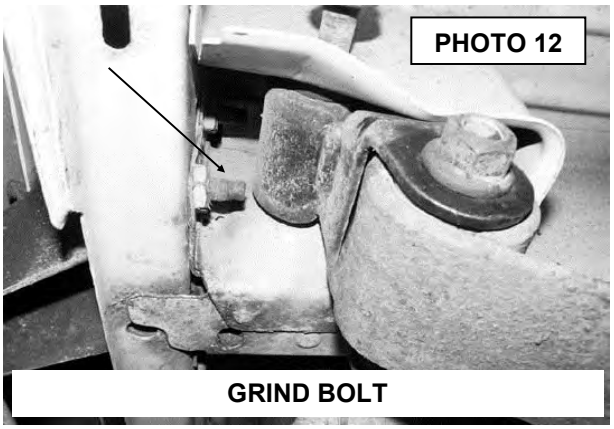
INSTALL THE BRAKE LINE BRACKETS

REAR LIFT INSTALLATION

1. Remove rear factory shocks using a 13mm wrench on top and a 3/4” wrench on bottom and retain hardware.
2. Chock the front wheels and jack up the rear of the vehicle and place the vehicle on jack stands. Remove the wheels and tires.
3. Working from the drivers side, remove the factory u-bolts and lower the axle with a floor jack. Repeat for passenger side. ***If new rear springs were purchased, install at this time with factory hardware using 21mm wrench and skip to Step 10.***
4. Separate the springs and install the provided add-a-leaf in the spring pack using a pyramid pattern smallest on the bottom graduating to largest on top. The factory flat overload leaf should remain on the bottom of the pack (if equipped).
5. Clamp the spring with the c-clamp and tighten with the supplied center bolt with the nut on top of the spring and to not leave a gap between the springs. Cut the thread of the bolt smooth with the nut.
6. Realign the center pin in the leaf spring pack to the centering hole on the axle perch.
7. Install new bend clips on spring.
8. Remove the stock shackle from the frame mount using a 21mm wrench. **See Photo 11.** Locate and either grind or cut off the excess from the bolt pictured in **Photo 12**. This will allow the shackle to move rearward.

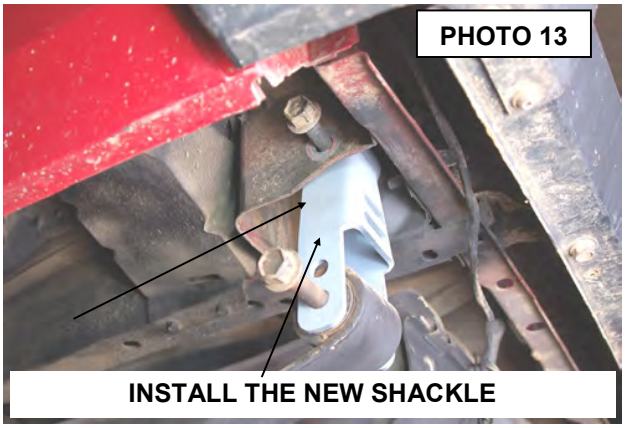


REMOVE THE REAR SHACKLE



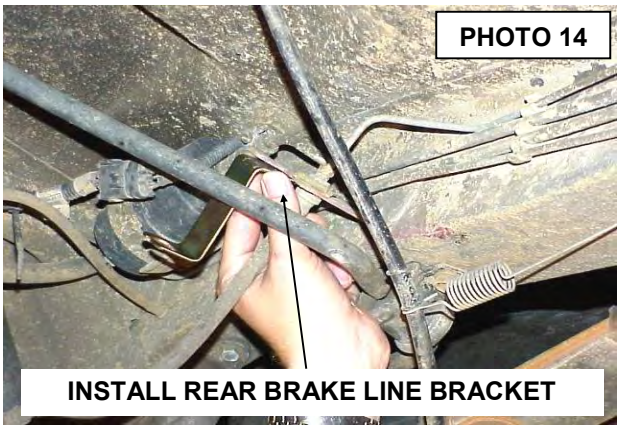
GRIND BOLT

9. Install the new Rough Country lifted shackle and secure with supplied 9/16” x 4” hardware in the top hole and the 14mm x 110mm in the bottom hole.. Do not fully tighten the hardware at this time. **See Photo 13.**
10. This kit includes 2 3/4” & 3” diameter u-bolts for rear axle options on the Jeep. Confirm axle diameter and use appropriate u-bolt. Install the u-bolts and torque to factory specs using 3/4” wrench.
11. Install the new shocks **Part 660749** with factory hardware. Torque the upper using a 13mm wrench and lower bolts using 3/4” wrench to factory specs. Repeat for other side.
12. Install the tires and wheels. Jack up the vehicle and remove the jack stands. Lower the vehicle to the floor.
13. Torque the frame bolts, and shackle bolts to factory specs using a 21mm wrench.



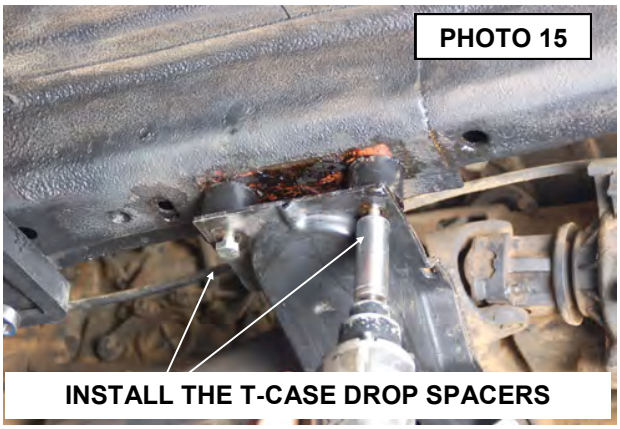
REAR BRAKE LINE BRKT INSTALLATION

1. Next remove the E-clip holding the brake line on at the frame mount. This will be extended with a bracket.
2. Bolt the z drop bracket to the frame using the supplied 5/16” hardware and tighten using a 1/2” wrench. Install the brake line into the new bracket with the stock e-clip. **See Photo 14**.



TRANSFER CASE DROP INSTALLATION INSTRUCTIONS

1. Position the floor jack under the transfer case cross member and lightly apply pressure.
2. Loosen and remove the bolt and the nut on stud on the driver side transfer case cross member.
3. Loosen and remove the bolt and nut on the drivers side cross member.
4. Carefully lower the transfer case down to the point it clears the stud.
5. Using 2 nuts to form a jam nut on the stud, remove the stud from the cross member on both sides.
6. Carefully lower the transfer case cross member to allow clearance for installation of transfer case spacer and sleeve.
7. Place the spacer between the frame and cross member; install the new 10mm x 60m bolts through cross member, spacer and into unibody. Raise the transfer case and tighten bolts to 35 ft/lbs. **See Photo 15.**



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POST INSTALLATION INSTRUCTIONS

1. Check all fasteners for proper torque.
2. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members.
3. Check steering gear for interference and proper working order.
4. Before driving the vehicle, check to make sure brakes are operating properly and do not need to be blead.
5. Perform steering sweep.
6. Check to ensure brake hoses have sufficient slack and will not contact rotating, mobile, or fixed members. Adjust lines/brackets to eliminate interference and maintain proper working order. Failure to perform inspections may result in component failure.
7. Have headlight readjusted to proper settings.
8. Take the vehicle to be aligned to factory specifications by a certified alignment shop.
9. Re torque all fasteners after 500 miles. Visually inspect components and re torque fasteners during routine vehicle service.

MAINTENANCE INFORMATION

It is the ultimate buyers responsibility to have all bolts/nuts checked for tightness after the first 100 miles and then every 100 miles. A qualified mechanic must inspect wheel alignment steering system, suspension and driveline systems at least every 3000 miles.

KIT CONTENT

9269 Box	6123 Box OR 8047Rear Springs	1623Box1 Box OR 1634Box1
2- Coil Springs	2- Add-a-leafs	2- Lower control Arms
	4- Spring Clips	4- Transfer case spacers
1623BOX1	2- 5/16” Center bolts	2- Rear lifted shackles
2- Front shocks	2- 5/16” Nuts	4- ½” x 2 ¾” x 6 1/4” u-bolts
2- Rear shocks		2- Sway bar links
		2-Swaybar hoop brackets
7570 Bag 1 in 1623Box1		4-1/2” x 3” x 8” u-bolts
3- 5/16” Bolts	**1624BAG in 1623Box1**	
3- 5/16” Washers	4- 12mm x 1.75 x 65mm Bolt	
3-5/16” Nuts	4- 12mm x 1.75 Lock Nut	**1077 Bag in 1623box1**
1- Rear brake line bracket	4– Sway bar link Sleeves	4 - Shackle bushings
2- Front brake line bracket	2– Thick washers	2- Shackle bushing sleeves
	2- 3/8 Washers	2-9/16” X 4”bolts
7570 Bag 3 in 1623Box1	2- 3/8” x 16 x 1.25 bolt	2-9/16” nut
4- Transfer case spacers	2- 3/8 Flange lock nut	2-14MM X 110MM
4- 10mmx 1.5 x 60mm		2-14MM Nut



New Spring Kits are Available. Kit with Rear add a leaf and shackle shown.

Thank you for purchasing a Rough Country Suspension System.

By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable , State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.