



**ROUGH
COUNTRY**
SUSPENSION SYSTEMS

SUPER DUTY 2.5" LEVELING 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 on the back page of these instructions. Be sure you have all the needed parts and understand where they go. Also please review the 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. Braking performance and capabilities are decreased when significantly larger/heavier tires and wheels are used. Take this into consideration while driving. Also, speedometer recalibration is necessary when larger tires are installed.

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, and/or combining body lift with suspension 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.

This kit with its new heavy duty track bar only fits trucks produced after 03/01/99—2000 models forward. If you have a truck produced prior to this date this kit will not fit the vehicle. A difference of bolt size on the stock track bar bracket does not allow the installation of the new track rod.

If the vehicle has a tool box in the rear or any other reason that the rear may be lower than normal this lift may not result in a level look most often desired. Rough Country offers block and u-bolt combinations and add-a-leaves to raise the rear of this vehicle to a look that is more desirable —contact your local distributor for details.

This kit was designed for use with a **305/70R-16** tire on a factory wheel. Any other variation will need to be verified before use to prevent possible clearance issues.

If you have any questions about this installation or the product included please call our customer service department at 800-222-7023.

NOTICE TO DEALER AND VEHICLE 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 to the vehicle owner for review and to be kept in the vehicle for its service life.

INSTALLATION INSTRUCTIONS

1. Place the vehicle in park. Block the rear wheels and jack up the front of the vehicle. Secure with jack stands behind the spring shackle on the frame rail.
2. Lightly support the front axle assembly with a floor jack.
3. Remove the tires/wheels.
4. Remove the front shock absorbers.
5. Remove the 4 nuts on the front bumper holding the front bumper to the frame using a 18mm socket and the rear bumper support bolts (1 each side) on the frame bracket as shown in **Figure 1** using a 15mm socket.

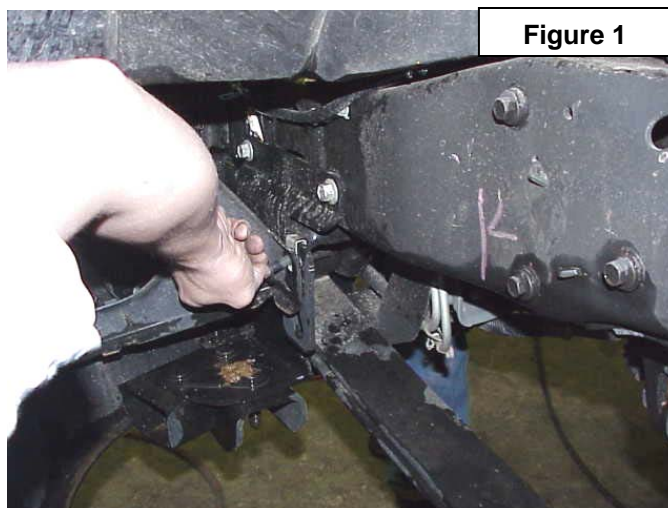


Figure 1

6. Gently pull the bumper outward as shown in **Figure 2**. Carefully remove the lighting harness plugs, and any other wiring attached to the bumper assembly to allow for removal noting the routing of the wiring. Place the bumper assembly out of harms way to ensure that no damage occurs to the bumper.
7. The radiator cooler lower mounts will have to be removed to allow the cooler to move outward to gain access to the front spring bolts. Remove bolts on both sides of cooler as shown in **Figure 3** (Passenger Side Shown). Retain the factory hardware for reuse.

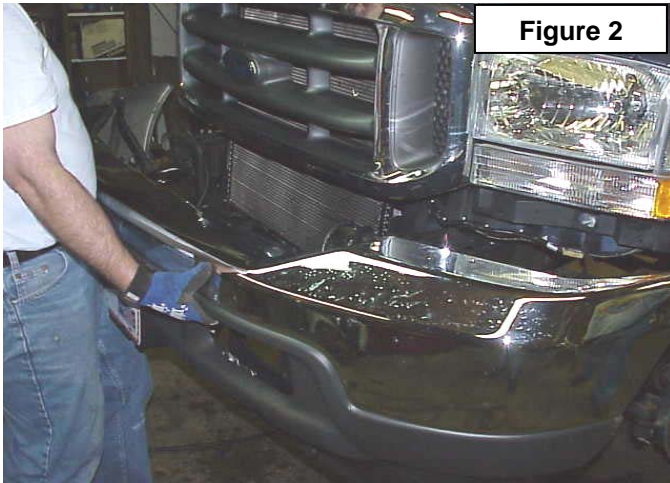


Figure 2

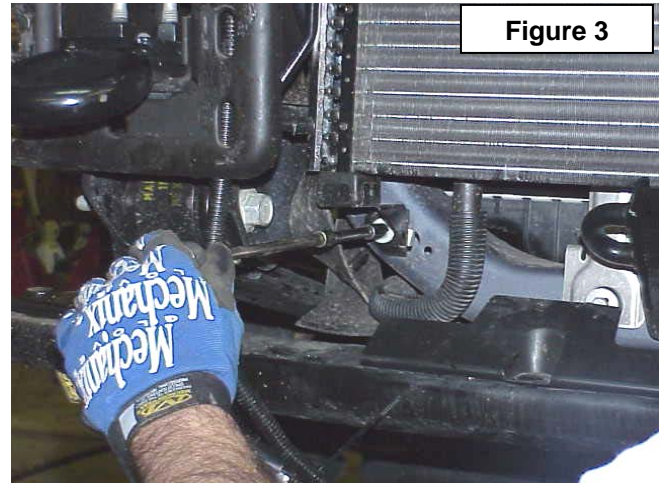


Figure 3

8. Remove the factory track rod from the axle and the frame using a 30mm socket / wrench. Remove the factory track bar. **See Figure 4 & 5.**

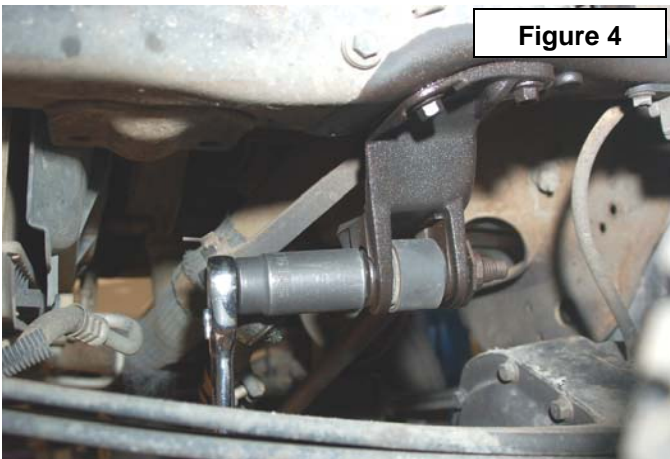


Figure 4

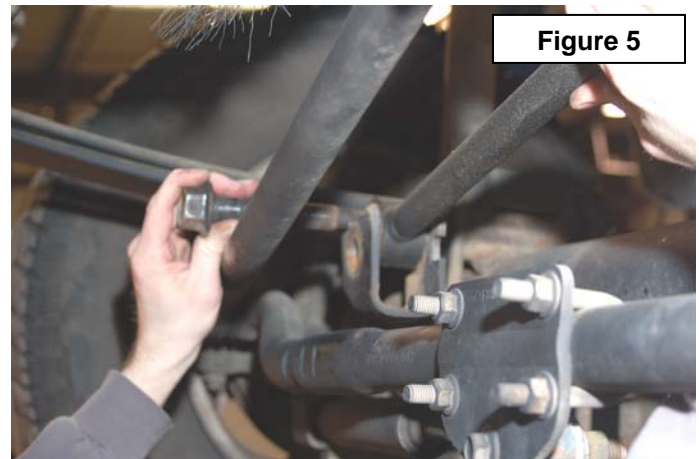


Figure 5

9. Make sure the axle is still being supported with the floor jack. On the front spring bolt, gently pull the radiator cooler outward to remove the spring bolts. Remove spring bolts and retain for reuse. **See Figure #6.** Remove factory rear spring shackle bolts. **See Figure #7.** Retain for reuse.
10. Remove the factory front spring bolts. **See Figure #6** and factory rear spring shackle bolts. **See Figure #7.**

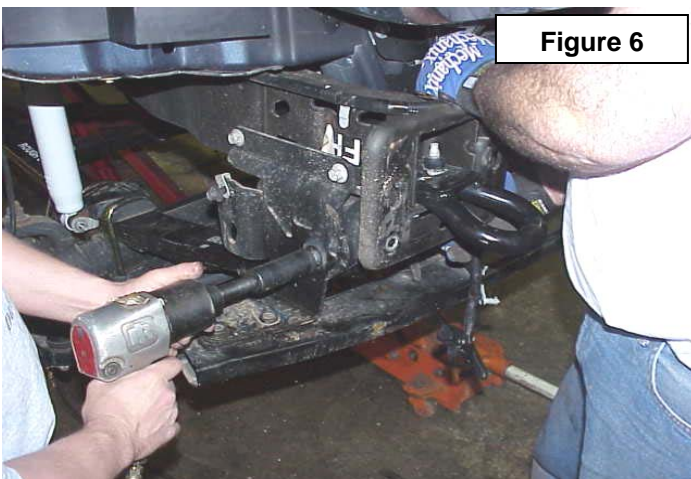


Figure 6

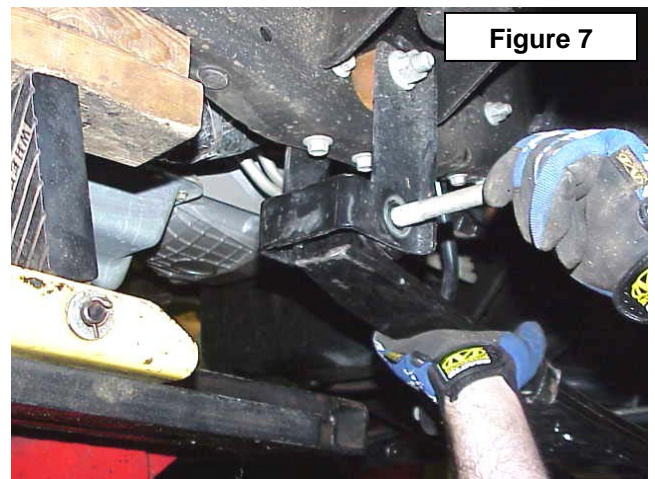


Figure 7

9.

11. Remove the factory front u-bolts. Be sure the floor jack is still in position under the axle to avoid movement.
12. Lower the floor jack to gain clearance between the axle and spring assembly
13. Install the new Rough Country spring in the mounts using the factory hardware.
14. Raise the axle to meet the spring and center. Install the new u-bolts.
15. Repeat process for opposite side.
16. It may be necessary to bend the brake line bracket on the side of the frame rail downward slightly to allow for more travel. Simply bend the bracket downward toward the axle. This bracket is located on the frame rail where the metal line and the rubber line meet.
17. Assemble the new shock absorbers with the supplied poly bushings and corresponding sleeves. Note supplied sleeve goes on body end of shock and on this shock the piston must run up. Install the shock absorbers.
18. Reinstall the front bumper making sure to re-clip the wiring to the bumper and to reattach the wiring harness for the lighting. (If applicable).
19. Reinstall the tires /wheels and lower vehicle to the ground.
20. After vehicle is on the ground, the new track rod can be installed. Install new track rod with stock hardware and using a 30mm socket. **See Figure 8 & 9.** It may be necessary to turn the steering wheel to align the track rod in the mount. This is best accomplished with two people. One turning the steering wheel and one under the truck inserting the bolts in the mounts.

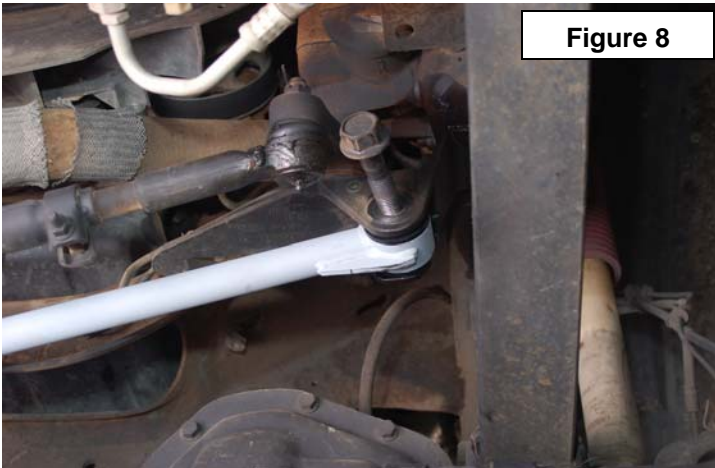


Figure 8

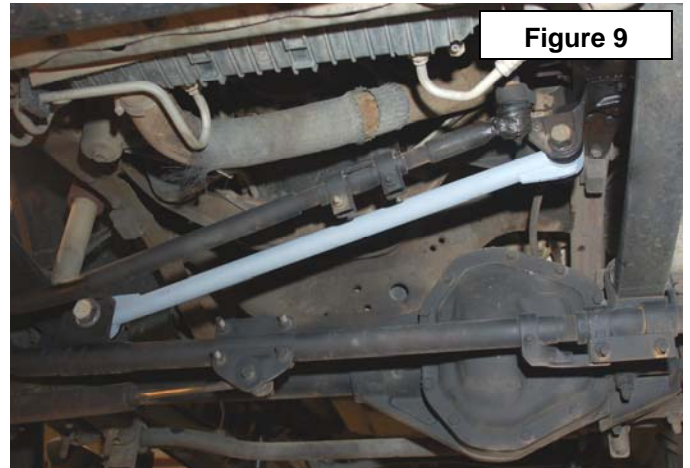


Figure 9

POST INSTALLTION INSTRUCTIONS

1. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering gear for interference and proper working order. Test brake system
2. Perform steering sweep. 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
3. Readjust headlights to factory settings
4. Have vehicle aligned by a certified alignment professional.
5. Re-torque all nuts, bolts, and especially u-bolts after the first 100 miles, again after another 100 miles and then check periodically thereafter
6. All components must be retightened after 500 miles, and every three thousand miles after installation

MAINTENANCE INFORMATION

It is the ultimate buyers responsibility to have all bolts/nuts checked for tightness after the first 100 miles and then every 1,000 miles. A qualified professional mechanic must inspect wheel alignment, steering system, suspension and driveline at least every 3,000 miles

Optional Items for this application available from Rough Country:

Rough Country Rear Shock Absorbers –Part #8111-Hydro / 9111-Nitro for stock height vehicles.

Rear 2” Add-A-Leaf-Part #6130 and RC Shock #8181 and 9181 for 2” rear listed vehicles.

KIT CONTENTS:

- 2-Fr Springs
- 2-Fr Shock Absorbers
- 1-Fr Track Rod
- 4-Fr U-bolts
- Poly Bag Containing:
 - 4-Track Rod Bushings
 - 2-Track Rod Sleeves
 - 4-Shock Bushings
 - 2-Lower Shock Sleeves
- U-bolt Hardware Bag

TOOLS NEEDED:

- Hammer
- Floor Jack
- Jack Stands
- 15mm Socket / Wrench
- 21mm Socket / Wrench
- 24mm Socket / Wrench
- 10mm Socket
- 18mm Socket
- 30mm Socket

TORQUE SPECS:

Size	Grade 5	Grade 8
5/16"	15 ft/lbs	20 ft/lbs
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



Thank You for purchasing a Rough Country Suspension leveling kit.