



EZ - Ride Suspension

PART NUMBER : 42902

**1999 — 2004 Jeep Grand Cherokee
2" front and rear coil spring spacer kit**

Parts list:

Part #	Description	Qty.
MO3255	Front coil spring spacer	2
MO3256	Rear coil spring spacer kit	2
42902INST	Instruction sheet	1
MIRRORHANGER	Rear view mirror hanger	1
WARNINGDECAL	Warning decal	1

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

Make sure to use thread locker or lock tite on all new and stock hardware associated with the installation of this suspension system.

It is the responsibility of the installers to make sure that the rear view mirror hanger is hung from the rear view mirror. The rear view mirror hanger has instructions on proper post installation procedure.

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.

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"	75-90 ft. lbs.
5/8"	85-110 ft. lbs.
3/4"	105-125 ft. lbs.

Installation manual 1999 — 2004 Jeep Grand Cherokee 2" front and rear coil spring spacer kit Part # 42902

sj022806rev.01

Important customer information

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

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

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.

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.

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 warranty 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 or 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 the installation begins;

A coil spring compressor will make for an easier installation.

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.

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.

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: _____

Please follow instructions carefully:

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 jack stands. Place a jack stand on both the driver and passenger side. Next, remove the wheels and tires from both sides.

2. Place a hydraulic floor jack on both the driver and passenger side of the front differential. Raise up on both hydraulic jack stands at the same time until they make contact with the front differential.

3. Working on the driver side, working on the driver side, remove the loser shock mounting hardware that connects the stock front shock to the stock front axle. Repeat procedure on the passenger side.

4. Working on the driver side, remove the stock coil spring and set aside for later re-installation. Repeat procedure in the passenger side.

5. Working on the driver side, remove the upper coil spring isolator and install it onto the new coil spring spacer. Repeat procedure on the passenger side.

6. Working on the driver side, install the coil spring and coils spring spacer into the vehicle. **Special note: Make sure that the bottom portion of the stock coil springs seats properly into the lower coil spring location.** Repeat procedure on the passenger side. **Special note: To install the passenger side coil spring and coil spring spacer a coil spring compressor may be needed to make installation easier.**

7. Carefully jack up on both hydraulic floor jacks at the same time allowing the stock shocks to be re-installed to the stock axle locations. Working on the driver side, install the stock shock into the stock location using the stock hardware. Repeat procedure on the passenger side. Carefully remove the hydraulic floor jacks from under the vehicle. Install the tires and wheels and carefully lower the vehicle to ground.

8. 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 jack stands. Place a jack stand on both the driver and passenger side. Next, remove the wheels and tires from both sides.

9. Working on the driver side, disconnect the stock sway bar end links form the stock location. Save hardware for later re-installation. Repeat procedure on the passenger side.

10. Working on the driver side, remove the stock shock from the stock axle mount. Save the stock hardware and repeat procedure on the passenger side. Carefully lower down on both hydraulic floor jacks at the same time allowing enough room for the stock coil spring and new coil springs spacers to be installed. **Special note: Take special care not to over extend and brake line and or hoses.**

11. Working on the driver side, remove the stock coil spring and the stock lower coil spring isolator. Save the stock coil spring and the stock lower coil spring isolator for later re-installation. Repeat procedure on the passenger side.

12. Working on the driver side, install the new coil spring spacer into the axle location with the part number facing down. Also, at this time, place the stock isolator on top of the newly installed coil spring spacer. Repeat procedure on the passenger side.

13. Working on the driver side, install the stock coil spring into the stock upper location and the new lower location. Repeat procedure on the passenger side. **Special note: You may have to jack up on the hydraulic floor jack on the driver side to allow enough room for the stock coil spring to be installed on the passenger side.**

14. Working on the driver side, install the stock shock into the stock axle location and secure using the stock hardware. Repeat procedure on the passenger side. **Special note: you may have to jack up on the hydraulic floor jacks to re-install the stock rear shocks.**

15. Working on the driver side, re-install the stock sway bar to the stock sway bar mounts using the stock hardware. Repeat procedure on the passenger side. Remove both hydraulic floor jacks from under the vehicle.

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

Check and double to check to make sure that all steps associated with this suspension system were performed properly and take the vehicle directly to an alignment shop for a proper front end alignment.