



EZ - Ride Suspension

PART NUMBER : 20915

**1998—2001 FORD F250 / F350 SUPER DUTY
SHACKLE CROSS MEMBER**

PARTS LIST:

Part #	Description	Qty.
F2355RS-05	Shackle Cross Member	1
F2355RS-06	Bumper Support Brackets	2
20915NB	Hardware Bag	1
20915INST	Instruction Manual	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 representative @ (800) 288-2190.

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

Product safety label must be installed inside the cab in plain view of all occupants.

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 procedures.

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.

INSTALLATION MANUAL FORD F250 / F350 SUPER DUTY SHACKLE CROSS MEMBER

1998 - 2001

PART # 20915

SJ080801

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.

IMPORTANT CUSTOMER INFORMATION

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 check every 6 months to ensure proper tracking, proper wear on tires and front end components. Tuff Country EZ-Ride Suspension take 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.

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 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.

Part # 20915 will only work in conjunction with Tuff Country EZ-Ride Suspension part # 23955. Some Ford Super Duty's come stock with a front shackle cross member, when lifting a truck with part # 23955 the front hangers are replaced and also the stock front shackle cross member needs to be replaced.

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. Working on the driver side, remove the stock nut that holds the stock front leaf spring to the new front shackle hanger bracket. Save the stock nut for later re-installation. Repeat procedure on passenger side.

3. Locate the new front cross member support, (2) 1/2" x 1 1/2" bolt, (4) 1/2" flat washer and (2) 1/2" unitorque nuts. Install the new front cross member support between the driver and passenger side front spring hanger and secure using the stock nuts that were removed in step # 2. **Do not tighten at this point.**

See Illustration # 1

4. Working on the driver side, secure the new cross member support to the upper hole on the new shackle relocation bracket using the new 1/2" x 1 1/2" bolt and hardware. **Do not tighten at this point.** Repeat procedure on passenger side.

See Illustration # 1

5. Torque the stock front spring eye bolts to **140 ft lbs.** Torque the 1/2" hardware to **75 ft lbs.**

6. Locate (2) bumper support relocation brackets, (2) 7/16" x 1 1/2" bolts, (4) 7/16" washers and (2) 7/16" unitorque nuts. Working on the driver side, secure the new bumper support bracket to the stock location and secure using the stock hardware that was removed. **Do not tighten at this point.** Next, secure the stock bumper to the new bumper support bracket and secure using the new 7/16" x 1 1/2" bolt and hardware. Repeat procedure on passenger side.

See Illustration # 2

7. Torque the stock bumper bolt to **28 ft lbs.** and the new 7/16" x 1 1/2" bolt to **35 ft lbs.**

8. Refer to **Illustration # 3** for a complete look on how the cross member is to be installed.

9. Re-install the tires and wheels and safely lower the vehicle to the ground.

Congratulations Installation Complete