

EZ - Ride Suspension

Part # 22907 1998 - 2001 Ford Explorer 4WD 1998 - 2007 Ford Ranger / Explorer Sport Trac Edge / Mountaineer 4WD Torsion bar key front leveling kit

<u>Part #</u>	<u>Description</u>	<u>Qty</u>
22907-01	Torsion bar keys	2
22907INST	Instruction manual (customer copy)	1
22907INST	Instruction manual (installer copy)	1
WARNINGDECAL	Warning decal	1
MIRRORHANGER	Rear view mirror hanger	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.

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.

## Installation manual Torsion bar key front leveling kit 1998 - 2001 Ford Explorer 4WD 1998 - 2007 Ford Ranger Explorer Sport Trac / Edge Mountaineer 4WD Part # 22907

sj120707rev.0

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.

Please follow instructions carefully: Before installation begins, measure from the center of	Special note: If the stock torsion bar bolt is over adjusted, ride quality issues will occur and over adjust- ing the bolt is not recommended.	
the hub, to the bottom of the fender well, and record measurements below.	Repeat step # 2 - 5 on the passenger side.	
Pre-installation measurements:	6. Carefully lower the vehicle to the ground.	
Driver side front: Passenger side front:	Congratulations, installation complete!	
At the end of the installation take the same measurements and compare to the pre-installation measurements.	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.	
Post installation measurements:	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.	
Driver side front: Passenger side front:		
Torsion bar key 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 pas- senger side.		
2. Working on the driver side and using a proper torsion bar removal tool. Special note: Tuff Country EZ-RIde Suspension requires that a proper torsion bar unload- ing tool be used when performing this installation. If you do not have one, please contact your local Ford dealer to purchase one from them. Carefully remove the stock torsion bar bolt and block. Set the stock torsion bar	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 cus- tomer has some post installation procedure literature and it is the installers responsibility to make sure that the customer receives a copy of the installation manu- al along with the literature.	
bolt and block. Set the stock torsion bar unload- ing tool from the stock cross member.	If you have any questions or concerns, please feel free to contact Tuff Country or your local Tuff Country dealer.	
3. Working on the driver side, tap the stock torsion bar for- ward until the stock torsion bar key can be removed. Remove and discard the stock torsion bar key.		
4. Locate the new torsion bar key and install into the stock location. Tap the stock torsion bar back into the torsion bar cross member until it seats properly into the new torsion bar key. Using the torsion bar unloading tool, adjust the new torsion bar key up high enough so that the stock torsion bar block and bolt can be re-installed.		
5. Locate the stock torsion bar bolt and block and install into the stock location. Adjust the stock bolt so that there is at least a 1/4" of thread past the stock torsion bar block. After the completion of the installation, if more height is needed, adjust the stock bolt to achieve the proper height. <b>Special note: For each 1/4" of adjustment on the stock bolt equals 1" of height.</b>		