



EZ - Ride Suspension

PART NUMBER : 20856
1980 — 1996 FORD F250 3/4 TON
6" AXLE PIVOT DROP BRACKETS

PARTS LIST:

Part #	Description	Qty.
F6250-01	Rear Axle Pivot Drop Bracket	1
F6250-02	Front Axle Pivot Drop Bracket	1
F405	Front Sway Bar Drop Brackets	2
FBL	Front and Rear Brake Line Extensions	1
CAM-01	9/16" x 3 1/2" Cam Bolts	2
CAM-02	Cam Washers	4
916UN	9/16" Uunitorque Nuts	2
F6250NB	Hardware Bag	1
F250NB	Axle Pivot Hardware	1
20856INST	Instruction Sheet	1

Special Note: Refer to the end of the installation manual for a description of the parts included.

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.

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

6" AXLE PIVOT DROP BRACKETS

FORD F250 3/4 TON

1980 — 1996

PART # 20856

SJ061002

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 500 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.

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.

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.

Special Note: The axle pivot drop brackets that are included in this suspension system are designed for a Tuff Country EZ-Ride Suspension ONLY. If the Tuff Country EZ-Ride brackets are used with any other suspension system the warranty will be VOID.

Please Follow Instruction Carefully

Before installation begins, drive and check to make sure there are no uncommon sounds and or frame damage.

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 sway bar from the frame mount. Save hardware for later re-installation. Repeat procedure on the passenger side. Let the stock sway bar hang. **Special Note: If the vehicle that you are working on does not have a stock front sway bar, you may skip this installation step.**
3. Place a hydraulic floor jack under the stock front twin "I" beam. Carefully raise up on the hydraulic floor jack until it makes contact with the stock front twin "I" beam axle. Carefully remove the stock bolt that holds the stock front axle to the stock front axle pivot bracket. The stock hardware may be discarded.
4. Carefully lower down on the hydraulic floor jack. Lower down enough so that the stock axle pivot bracket can be removed and the new axle pivot bracket can be installed.
5. Remove the stock front axle pivot bracket and discard the stock hardware and the stock axle pivot drop bracket.
6. Locate the new front axle pivot bracket, (4) 9/16" x 1 1/2" bolts, (8) 9/16" flat washers and (4) 9/16" unitorque nuts. Install the new front axle pivot drop bracket into the stock location and secure using the new 9/16" x 1 1/2" bolt and hardware. Torque to 110 ft lbs. **Make sure to use thread locker or locktite on these bolts. Special Note: Do not torque the 9/16" x 1 1/2" bolts and hardware until all (4) bolts have been installed. Also, due to the inconsistency of the stock cross member, some holes may need to be enlarged using a 9/16" drill bit.**

See Illustration # 1
7. Locate (1) 9/16" x 3 1/2" cam bolt, (2) cam washers and (1) 9/16" unitorque. Carefully raise up on the hydraulic floor jack until the stock front axle seats properly into the newly installed axle pivot drop bracket. Secure the stock axle to the newly installed axle pivot bracket using the new 9/16" x 3 1/2" cam bolt and

hardware. Torque to **115 ft lbs.** **Make sure to use thread locker or locktite on this bolt.** **Special Note: For now, adjust the new cam bolt to the center position. Once the installation is complete, take the vehicle directly to alignment shop for a proper front end alignment.**

See Illustration # 2

8. Carefully remove the hydraulic floor jack from under the front axle.

9. Place a hydraulic floor jack under the stock rear twin "I" beam. Carefully raise up on the hydraulic floor jack until it makes contact with the stock rear twin "I" beam axle. Carefully remove the stock bolt that holds the stock rear axle to the stock rear axle pivot bracket. The stock hardware may be discarded.

10. Carefully lower down on the hydraulic floor jack. Lower down enough so that the stock axle pivot bracket can be removed and the new axle pivot bracket can be installed.

11. Remove the stock rear axle pivot bracket and discard the stock hardware and the stock axle pivot drop bracket.

12. Locate the new rear axle pivot bracket, (4) 9/16" x 1 1/2" bolts, (8) 9/16" flat washers and (4) 9/16" unitorque nuts. Install the new rear axle pivot drop bracket into the stock location and secure using the new 9/16" x 1 1/2" bolt and hardware. Torque to **110 ft lbs.** **Make sure to use thread locker or locktite on these bolts.** **Special Note: Do not torque the 9/16" x 1 1/2" bolts and hardware until all (4) bolts have been installed. Also, due to the inconsistency of the stock cross member, some holes may need to be enlarged using a 9/16" drill bit.**

See Illustration # 3

13. Locate (1) 9/16" x 3 1/2" cam bolt, (2) cam washers and (1) 9/16" unitorque. Carefully raise up on the hydraulic floor jack until the stock rear axle seats properly into the newly installed axle pivot drop bracket. Secure the stock axle to the newly installed axle pivot bracket using the new 9/16" x 3 1/2" cam bolt and hardware. Torque to **115 ft lbs.** **Make sure to use thread locker or locktite on this bolt.** **Special Note: For now, adjust the new cam bolt to the center position. Once the installation is complete, take the vehicle directly to alignment shop for a proper front end alignment.**

See Illustration # 4

14. Carefully remove the hydraulic from under the front axle.

Special Note: If the vehicle that you are working on does not have a stock front sway bar, skip to step # 17.

15. Locate (2) new front sway bar drop brackets. Working on the driver side, install the new front sway bar drop bracket to the frame location and secure using the stock hardware. Torque to **35 ft lbs.** **Make sure to use thread locker or locktite on these bolts.** Repeat procedure on the passenger side.

16. Locate (4) 7/16" x 1 1/2" bolts, (8) 7/16" flat washers and (4) 7/16" unitorque nuts. Working on the driver side, install the stock sway bar to the newly installed sway bar drop bracket and secure using the new 7/16" x 1 1/2" bolt and hardware. Torque to **35 ft lbs.** **Make sure to use thread locker or locktite on these bolts.** Repeat procedure on the passenger side. **Special Note: If you are not able to install the stock sway bar to the newly installed sway bar drop bracket, this step will need to be performed once the weight of the vehicle is on the ground.**

See Illustration # 5

17. Re-install the tires and wheels and carefully lower the vehicle to the ground.

18. If you were not able to perform step # 16, perform this step now that the vehicle is on the ground.

Special Note: If your stock brake lines are not long enough, install the new brake line relocation brackets, using the new hardware provided.

Congratulations, Installation Complete

Once the installation is complete, take the vehicle directly to an alignment shop for proper post installation

Special Post Installation Procedure: Make sure that the mounting hardware that connects the new axle pivot drop brackets to the stock location are check every 3000 miles for proper torque, if these bolts are not properly torqued, they will loosen up and could cause serious damage to the new brackets and or vehicle. Tuff Country EZ-Ride Suspensions take no responsibility for improper installation or improper post installation procedure.

If you have any questions and or concerns, please feel free to contact Tuff Country EZ-Ride Suspension. (801) 280-2777

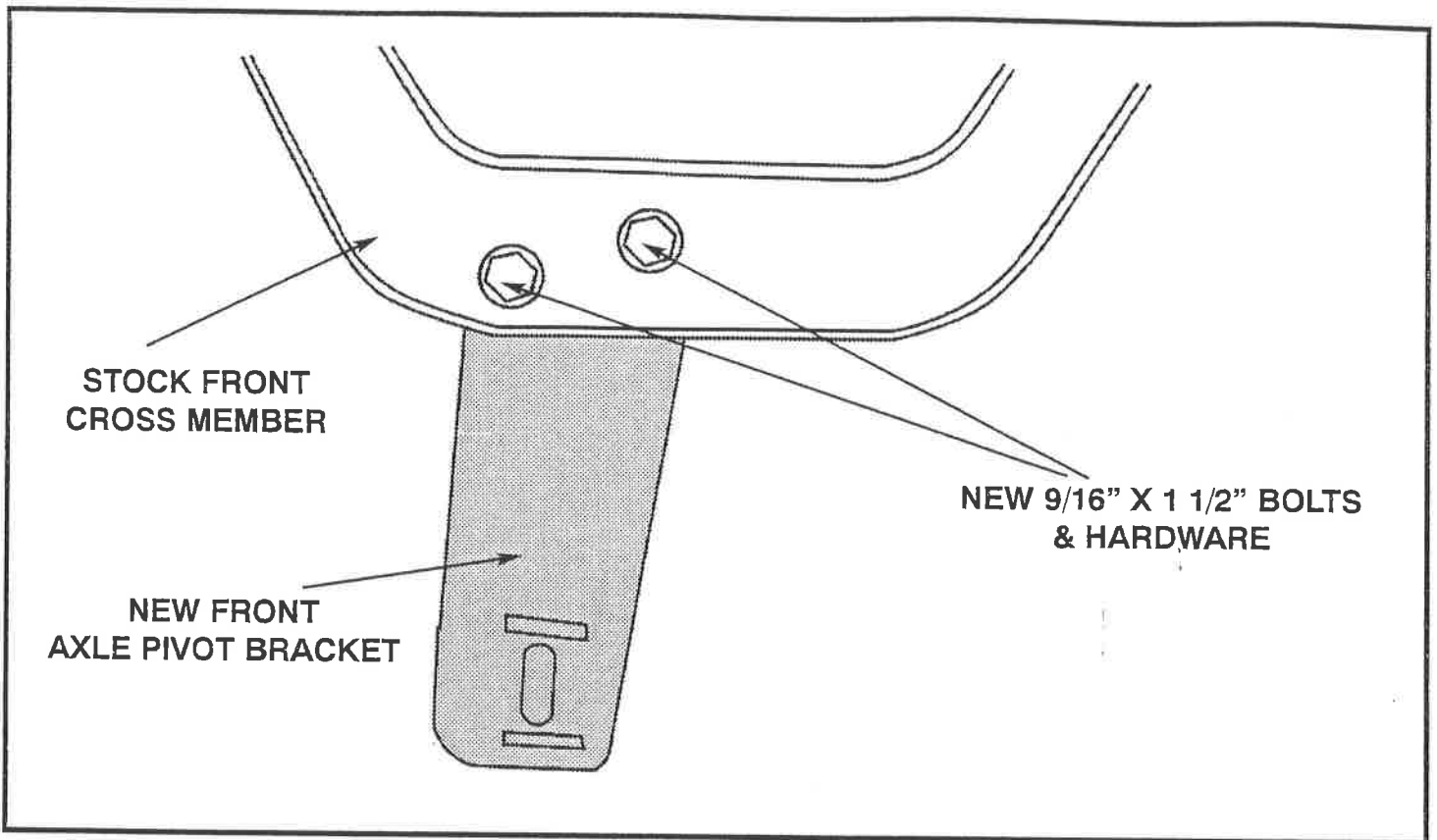


ILLUSTRATION # 1

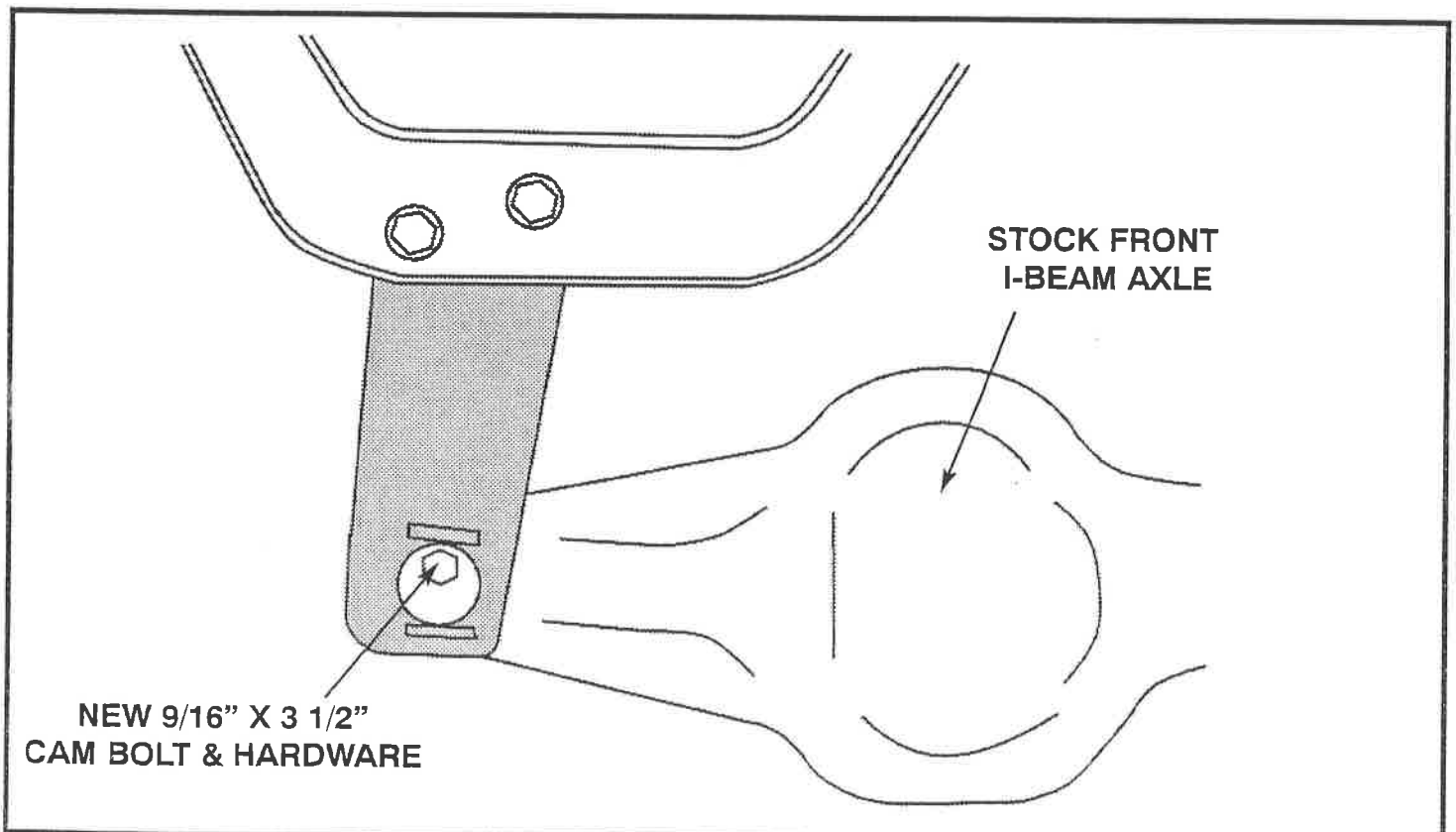


ILLUSTRATION # 2