



## **Installation Instructions FTS62003 & FTS62003BK 1999-2010 Ford F250/F350 Super Duty Traction Bars**

|     | FTS62003BK | Traction Bar System   |
|-----|------------|-----------------------|
| Qua | Part #     | Description           |
| 1   | FT90094BK  | Traction Bar Drv.     |
| 1   | FT90095BK  | Traction Bar Pass     |
| 2   | FT90017    | Frame Mount           |
| 2   | FT90018    | Shackle               |
| 2   | FT90024BK  | Axle Mount Lower      |
| 4   | FT90027    | Axle Mount Upper      |
| 1   | FT30309    | Hdwr Sub-Assembly Kit |
| 1   | FT30033    | Hardware Kit          |
| 1   | FTAS12     | Fabtech Sticker       |

|   | FT30309     | Hdwr Sub-Assembly Kit  |
|---|-------------|------------------------|
| 4 | FT1004      | Bushing                |
| 6 | FT95243     | 3/4" Heim Rod End      |
| 2 | FT66        | Sleeve                 |
| 4 | 50131751081 | 1/2"- 13 x 1 3/4" Bolt |
| 2 | FT62003i    | Instruction Sheet      |
| 1 | FTAS16      | Driver Warning         |
| 1 | FTREGCARD   | Reg. Card              |

|     | FT30033 Hardware Kit          |
|-----|-------------------------------|
| Qua | Description                   |
| 8   | 1/2-13 x 3 1/2" Hex Cap Bolt  |
| 4   | 1/2-13 x 1-1/4" Hex Cap Bolt  |
| 2   | 1/2-13 x 3-1/2" Hex Cap Bolt  |
| 14  | 1/2-13 Nyloc Lock Nut         |
| 18  | 1/2" SAE Flat Washer          |
| 6   | 3/4-10 x 2-1/2" Hex Cap Bolt  |
| 6   | 3/4-10 Crimp Lock Nut         |
| 12  | 3/4" SAE Flat Washer          |
| 6   | 3/4-Fine RH Short Hex Jam Nut |
| 2   | 1/4-20 x 1" Hex Cap Bolt      |
| 2   | 1/4" SAE Flat Washer          |
| 2   | 1/4" Split Lock Washer        |

**TRACTION BARS WILL NOT WORK ON VEHICLES EQUIPPED WITH LONG TRAVEL REAR LEAF SPRINGS**

**CHECK ALL PARTS INCLUDED IN THIS KIT TO THE PARTS LIST ABOVE BEFORE BEGINNING INSTALLATION OF THE KIT. IF ANY PIECES ARE MISSING, CONTACT FABTECH AT 909-597-7800**

**TOOL LIST- (NOT INCLUDED)**  
**Assorted Metric & SAE Sockets & Wrenches**  
**Drill, 1/2" Drill Bit, Torque Wrench**

**READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED, SEVERE FRAME, DRIVELINE AND / OR SUSPENSION DAMAGE MAY RESULT.**

**CHECK FOR FRAME AND SUSPENSION DAMAGE PRIOR TO INSTALLTION. THIS KIT DOES NOT REQUIRE WELDING FOR INSTALLATION. DO NOT WELD ANY OF THESE COMPONENTS.**

**THE INSTALLATION OF THIS KIT SHOULD BE PERFORMED BY A PROFESSIONAL MECHANIC.**

## INSTALLATION

1. Disconnect the negative terminal on the battery. Locate both Fabtech traction bars and install the supplied FT95243 Heim joints into the single tube end. Locate FT95243 Rod End and install two into the end of the traction bar with the two-tube ends. You will need to thread them in so that  $\frac{3}{4}$ " of thread (Including the Jam Nut) show. **A minimum amount of 1" of threads should be threaded into the traction bars at all times. Thread engagement will vary due to truck heights and long bed to short bed trucks, the  $\frac{3}{4}$ " measurement shown above is only a starting point.**

2. With the vehicle on flat ground, set parking brake and block tires.

3. YOU SHOULD ONLY PERFORM THE FOLLOWING STEP FROM ONE SIDE OF THE VEHICLE AT A TIME. Working from the driver side of the vehicle, locate the brake line tab attaching the brake line to the axle on the rear side of the axle. Disconnect tab and discard hardware. SEE PHOTO BELOW.



4. Locate the Fabtech lower axle bracket FT90024, and two upper axle brackets FT90027. Slide the lower axle bracket over the axle from the bottom up. With the supplied  $\frac{1}{2}$ " x  $3\frac{1}{2}$ " bolts, nuts, and washers attach the upper brackets to the lower bracket. Leave loose at this time. **Note: You will only use washer between the bolts and the upper axle mounts.** SEE PHOTO BELOW.

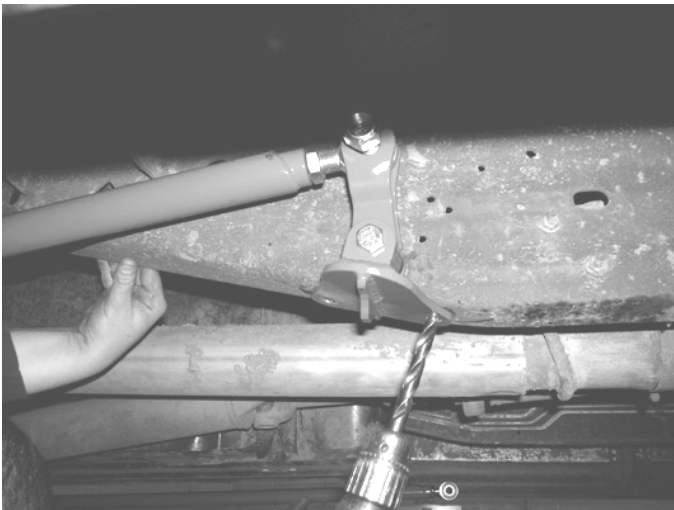


5. Locate the Fabtech Driver side traction bar FT90094BK. With the Heim Joints installed connect the traction bar **(with the straight tube on the bottom and rounded support tube on the top)** to the rear axle bracket with the supplied  $\frac{3}{4}$ " x  $2\frac{1}{2}$ " bolts, washers, and c-lock nuts. Leave loose.

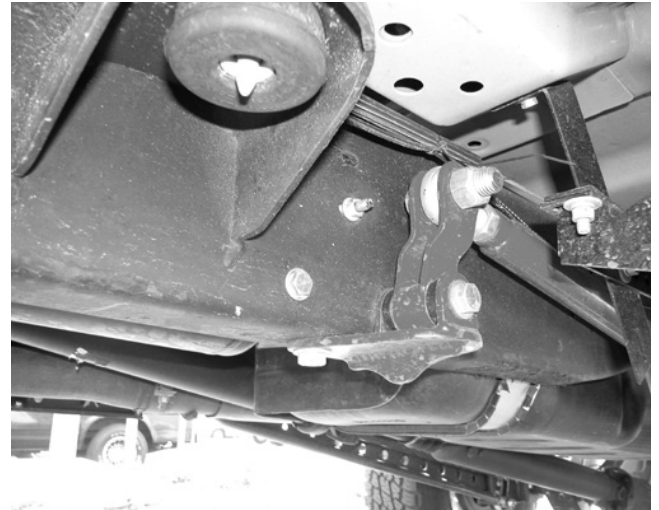
6. Locate the Fabtech shackle bracket FT90018 and install two FT1004 bushings and one FT66 sleeve into the end of the shackle with the barrel. With the supplied  $\frac{3}{4}$ " x  $2\frac{1}{2}$ " bolt, washers, c-lock

nuts, attach the traction bar to the Fabtech Shackle. **Note: When attaching the Fabtech shackle to the traction bar make sure the bend in the shackle is facing towards the outer side of the truck.**

7. Locate the Fabtech frame bracket FT90017, attach the frame bracket to the shackle with the supplied  $\frac{1}{2}$ " x 4" bolt. **Note: The bolt attaching the frame bracket to the shackle is only being used for positioning of the frame bracket at this time do not attach the nut to the bolt at this time.** With the frame bracket attached to the shackle raise the traction bar so the frame bracket comes in contact with the frame. When positioning the frame bracket to the frame you will want the shackle to be straight up and down. To get the shackle to be straight up and down you will need to adjust the heim joints on the traction bars. **Note: On long bed models the frame mount will be mounted on the bend in the frame, and on short bed models the frame mount will be mounted on the flat part of the frame.** With the frame bracket against the frame mark the lower holes and drill out  $\frac{1}{2}$ ". Check the inside of the frame for electrical or hoses that may be in line with the holes to be drilled. Once drilled remove the bolt attaching the shackle to the frame bracket, and attach the frame bracket to the frame with the supplied  $\frac{1}{2}$ " x 1  $\frac{1}{4}$ " bolt, nuts, and washers. Torque to 70 Ft. lbs. SEE PHOTOS BELOW.



**Long Bed**

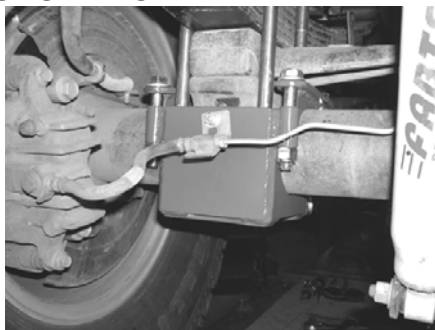


**Short Bed**

8. On the Fabtech frame bracket locate the hole where the shackle will be attached, with a drill, drill a  $\frac{1}{2}$ " hole through the frame to allow the bolt to pass through. With the supplied  $\frac{1}{2}$ " x 4" bolt, nut, and washers attach shackle with traction bar to the frame mount. Torque to 65 Ft. lbs.

9. Torque rear axle bracket bolts to 65 Ft. lbs. Torque the  $\frac{3}{4}$ " Heim bolts to 100 Ft lbs.

10. Using the supplied  $\frac{1}{4}$ " bolt and washer attach the previously removed brake line bracket to the new Fabtech axle bracket. SEE PHOTO BELOW.



11. Repeat same procedure for passenger side.

**RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 50 MILES AND PERIODICALLY THEREAFTER.**

## **Product Warranty and Warnings-**

Fabtech provides a Limited Lifetime Warranty to the original retail purchaser who owns the vehicle, on which the product was originally installed, for defects in workmanship and materials.

The Limited Lifetime Warranty excludes the following Fabtech items; bushings, bump stops, ball joints, tie rod ends, limiting straps, cross shafts, heim joints. These parts are subject to wear and are not considered defective when worn. They are warranted for 60 days from the date of purchase for defects in workmanship.

Take apart shocks are considered a serviceable shock with a one year warranty on leakage only. Service seal kits are available separately for future maintenance. All other shocks are covered under our Limited Lifetime Warranty.

Fabtech does not warrant any product for finish, alterations, modifications and/or installation contrary to Fabtech's instructions. Alterations to the finish of the parts including but not limited to painting, powdercoating, plating and/or welding will void all warranties. Some finish damage may occur to parts during shipping which is considered normal and is not covered under warranty.

Fabtech products are not designed nor intended to be installed on vehicles used in race applications or for racing purposes or for similar activities. (A "RACE" is defined as any contest between two or more vehicles, or any contest of one or more vehicle against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America.

Installation of most suspension products will raise the center of gravity of the vehicle and will cause the vehicle to handle differently than stock. It may increase the vehicle's susceptibility to a rollover, on road and off road, at all speeds. Extreme care should be taken to operate the vehicle safely at all times to prevent rollover or loss of control resulting in serious injury or death. Fabtech front end Desert Guards may impair the deployment or operation of vehicles equipped with supplemental restraining systems/air bag systems and should not be installed if the vehicle is equipped as so.

Fabtech makes every effort to ensure suspension product compatibility with all vehicles listed in the catalog, but due to unknown auto manufacturers production changes and/or inconsistencies by the auto manufacturer, Fabtech cannot be responsible for 100% compatibility, including the fitment of tire and wheel sizes listed. The Tire and Wheel sizes listed in Fabtech's catalog are only a guideline for street driving with noted fender trimming. Fabtech is not responsible for damages to the vehicle's body or tires.

Fabtech's obligation under this warranty is limited to the repair or replacement, at Fabtech option, of the defective product only. All costs of removal, installation or re-installation, freight charges, incidental or consequential damages are expressly excluded from this warranty. Fabtech is not responsible for damages and/or warranty of other vehicle parts related or non related to the installed Fabtech product. This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been subject to accident, negligence, alteration, abuse or misuse as determined by Fabtech.

Fabtech suspension components must be installed as a complete system including shocks as shown in our current catalog. All warranties will become void if Fabtech parts are combined and/or substituted with other aftermarket suspension products. Combination and/or substitution of other aftermarket suspension parts may cause premature wear and/or product failure resulting in an accident causing injury or death. Fabtech does not warrant products not manufactured by Fabtech.

Installation of Fabtech product may void the vehicles factory warranty; it is the consumer's responsibility to check with their local vehicle's dealer for warranty disposition before the installation of the product.

It is the responsibility of the distributor and/or the retailer to review all warranties and warnings of Fabtech products with the consumer prior to purchase.

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