# *Installation Instructions*

## FTS62003 & FTS62003BK

## 99-09 Ford F250/F350 Super Duty Traction Bars

| Qua | FTS62003BK Part # | Traction Bar System 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 |

| Qua | FT30033 Hardware Kit 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 |

| | FT30309 | Hdwr Sub-Assembly Kit |
|---|---|---|
| 4 | FT1004 | Bushing |
| 6 | FTS98003 | 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 |

**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.**

**TOOL LIST- (NOT INCLUDED)**
**Assorted Metric & SAE Sockets & Wrenches**
**Drill, ½" 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.**

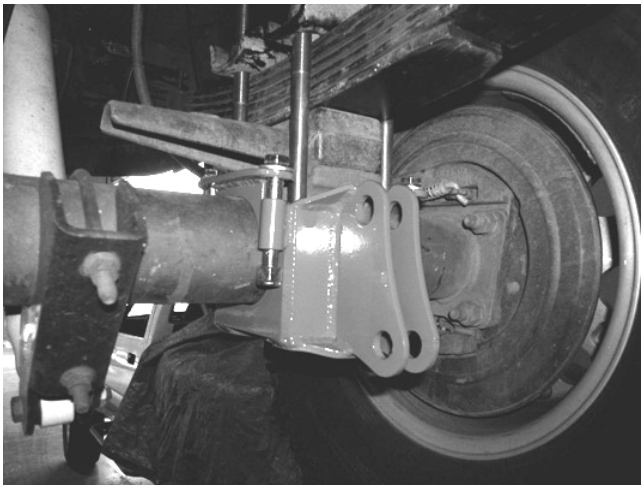
**INSTALLATION**

**1.** Disconnect the negative terminal on the battery. Locate both Fabtech traction bars and install the supplied FTS98003 Heim joints into the single tube end. Locate FTS98003 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 ¾" 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 ¾" 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 ½" x 3 ½" 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.

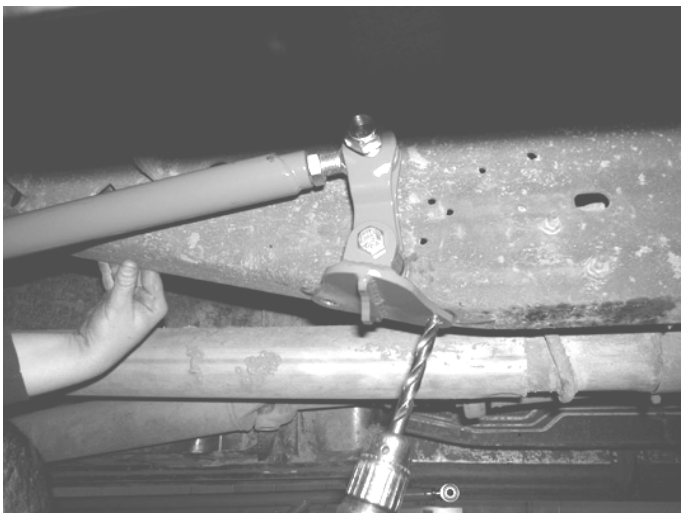


**5.** Locate the Fabtech Driver side traction bar FT90021. With the Heim Joints installed connect the traction bar **(with the straight tube on the bottom and rounded support tube on the top)** to the rear axle bracket with the supplied ¾" x 2 ½" bolts, washers, and c-lock nuts. Leave loose.

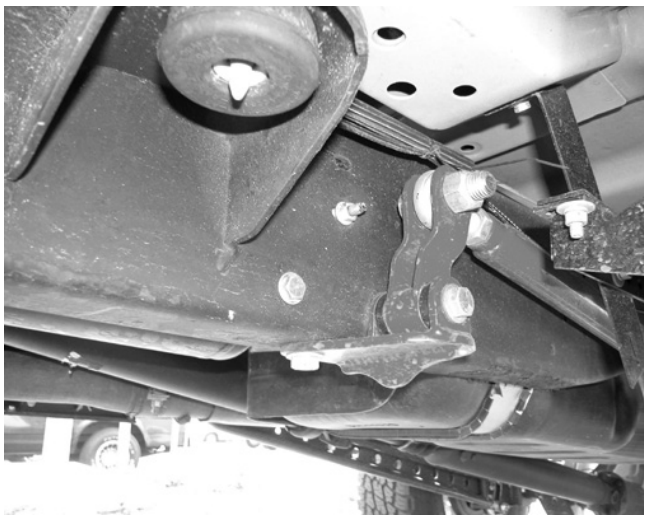
**6.** Locate the Fabtech shackle bracket FT90018 and install two FT1004 bushings and one FT66 sleeve into the end of the shackle with the barrel. With the supplied ¾" x 2 ½' bolt, washers, c-lock

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 ½" 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 ½". 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 ½" x 1 ¼" bolt, nuts, and washers. Torque to 70 Ft. lbs. SEE PHOTOS BELOW.



**Long Bed**

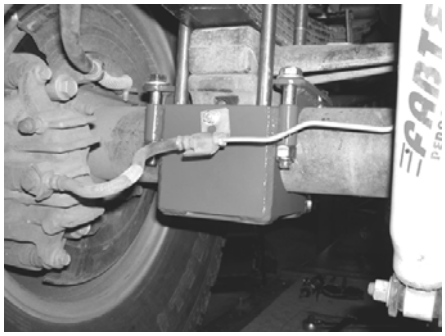


**Short Bed**

**8.** On the Fabtech frame bracket locate the hole were the shackle will be attached, with a drill, drill a ½" hole through the frame to allow the bolt to pass through. With the supplied ½" 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 ¾" Heim bolts to 100 Ft lbs.

**10.** Using the supplied ¼" bolt and washer attach the previously removed brake line bracket to the new Fabtech axel bracket. SEE PHOTO BELOW.



**11.** Repeat same procedure for passenger side.