



Installation Instructions

FTS21003BK 2000-2006 GM 1500 SUV Box Kit

Parts List-

1	FT20021BK	Front Crossmember
1	FT20022BK	Rear Crossmember
2	FT20054BK	Impact Strut Rear Mount
2	FT20023BK	Impact Strut
2	FT20052BK	Torsion Bar Bracket
1	FT20055	Hardware Kit
2	FT21003i	Instructions

VEHICLES THAT WILL RECEIVE OVERSIZED TIRES SHOULD CHECK BALL JOINTS, TIE RODS ENDS AND IDLER ARM EVERY 2500-5000 MILES FOR WEAR AND REPLACE AS NEEDED.

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

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 INSTALLTION OF THIS KIT SHOULD BE PERFORMED BY A PROFESSIONAL MECHANIC.

INSTALLATION-

Impact Strut Mounts

1. Disconnect the negative terminal on the battery. Locate and place the Impact Strut mount to the bottom of the transmission crossmember aligning the three factory holes to the mount. Note some models may require drilling of the crossmember to attach the strut mount. Using 7/16" x 3-1/2" bolts insert washer between the mount and the bottom of the stock crossmember to level the bracket. Using 1/2" x 1-1/4" bolts, nuts and washers from Hardware kit 20055 attach the mount to the crossmember and torque the 7/16" bolts to 35 ft-lbs and the 1/2" bolts to 45 ft-lbs.

2. Locate and install the bushings from bushing kit FT1044 into the Impact Strut bars. Attach the Impact Struts into the tabs on the back side of the lower control arm crossmember and rearward to the Impact Strut mounts using 7/16" x 3-1/2" bolts, nuts and washers. Torque to 45 ft-lbs.

Torsion Bar Mounts

3. Locate the two Fabtech torsion bar brackets and install bushings and sleeves from bushing kit FT90086 (bushing kit located in FTS21000BK). Place the tabs of the bracket around the stock torsion bar mounting bushing and secure using 9/16" x 3" bolts nut and washer, leave loose.

4. Clamp the bracket to the bottom of the frame. Using the bracket as a template, center punch and drill out the bottom of the frame to 5/16". Attach bracket using 5/16" x 1-1/4" bolts, washer and nuts. Torque to 20 ft-lbs. SEE PHOTO BELOW FOR COMPLETED ASSEMBLY.



5. Install the factory torsion bar crossmember to the new bracket using the stock hardware. Torque both of the bushing eye bolts to 50ft-lbs.
6. Torque the 9/16" and stock bolt of the torsion bar link bracket to 65 ft-lbs.
7. Re install the driver and passenger side torsion bars.
8. Set Torsion Bar adjusters to the recorded thread measurement from the disassembly.
9. Install front tires and wheels. Torque lug nuts to wheel manufacturer's specifications.
10. Check the fluid in the front differential and fill if need with factory specification differential oil.
11. Recheck all bolts for proper torque. Recheck brake hoses and lines for proper clearances.
12. Check front end alignment and set to factory specifications after the installation of the rear kit FTS1599-2. Turn front tires left to right and check for appropriate tire clearance. Note- Some tires may require trimming of the front plastic bumper valance.
- 13. NOTE- Proceed to Box FTS1599-2 to complete the installation of this system.**
- 14. Check front-end alignment and set to factory specifications. Re-adjust headlights.**

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

For technical assistance call: 909-597-7800

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.

Fabtech reserves the right to supercede, discontinue, change the design, finish, part number and, or application of parts when deemed necessary without written notice. Fabtech is not responsible for misprints or typographical errors within the catalog or price sheet.