



## **INSTALLATION INSTRUCTIONS**

**FTS6500BK**

**Nissan Titan Traction Bars**

**CREW CAB ONLY**

### **Parts List-**

<b>Qua</b>	<b>Part #</b>	<b>Description</b>
2	FT90052BK	Traction Bars
2	FT90054BK	Axle Mount
2	FT90056	Shackle Mount Nut Tab
1	FT90058	Dual Nut Tab Drv.
1	FT90059	Dual Nut Tab Pass
1	FT90057	Frame Mount Driver
1	FT90076	Frame Mount Pass.
2	FT97150-6-106	Frame Shackle Spacer
2	FT90018	Frame Shackle
4	FT1004	Shackle Bushing
2	FT66	Shackle Sleeve
6	FTS98003	3/4" Heim Joint
1	FT60022	Hardware Kit
1	FT65000i	Instruction Sheet
1	FTREGCARD	Reg. Card

### **Hardware List-**

<b>Qua</b>	<b>Description</b>
6	3/4"-10 x 2 1/2" Hex Bolts
6	3/4"-10 Stover Lock Nut
12	3/4" Flat Washer
4	3/8"-16 x 1 1/4" Hex Bolt3
4	3/8" SAE Flat Washer
4	3/8" Split Washer
2	1/2"-13 x 3 1/2" Hex Bolt
2	1/2" SAE Flat Washer
2	1/2" Split Washer
6	3/4"-10 Right Hand Jam Nut
1	Lock Tight

**CHECK ALL PARTS INCLUDED IN THIS KIT TO THE PARTS LIST ABOVE BEFORE BEGINNING THE 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 INSTALLATION OF THIS KIT SHOULD BE PERFORMED BY A PROFESSIONAL MECHANIC.**

**THIS KIT IS DESIGNED FOR CREW CAB MODLES ONLY.**

### **TOOL LIST- (NOT INCLUDED)**

- Assorted Metric & SAE Sockets & Wrenches
- Drill, Assorted Drill Bits
- Torque Wrench

## 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 as well as 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 above the Jam Nut show. **NOTE: One inch of thread must be threaded into the traction bars at all times. The  $\frac{3}{4}$ " measurement shown below is only a starting point.** The solid rod ends will be mounted to the axle and the heim will be mounted to the frame end. SEE PHOTOS BELOW.



2. With the vehicle on flat ground, set parking brake and block tires. **ONLY PERFORM THE FOLLOWING STEP ON ONE SIDE OF THE VEHICLE AT A TIME.** Working from the driver side of the vehicle, remove the axle spring plate that wraps around the bottom of the axle and discard, save the hardware. Locate FT90054BK Axle Mount and attach it to the bottom of the axle with the previously removed hardware and torque to 90lbs. SEE PHOTO IN NEXT COLUMN.



3. Locate the factory hole in the frame that is  $16 \frac{1}{4}$ " forward of the front leaf spring bolt. This hole will be used to mount the trac bar bracket to the frame. Using a drill with a  $\frac{1}{2}$ " bit, drill the hole out to  $\frac{1}{2}$ ". **Note: the driver side of the truck has this hole and the passenger side does not have this hole. Use the measurements listed below to locate the hole for the passenger side of the truck.** Measure  $16 \frac{1}{4}$ " forward from the front leaf spring bolt and  $3 \frac{3}{8}$ " from the bottom of the frame.

4. Locate the Fabtech shackle bracket FT90018 and install two FT1004 bushings and one FT66 sleeve into the end of the shackle with the barrel. Locate FT90057 Driver Frame Mount, FT97150-6-106 Shackle Spacer, FT90056 Shackle Mount Nut Tab, and supplied  $\frac{1}{2}$ " x  $3 \frac{1}{2}$ " hardware. Place the  $\frac{1}{2}$ " bolt with washer through the shackle mount, then through the shackle (**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**), followed by the shackle spacer. Place this assembly into the factory hole in the side of the frame that was just drilled out. Then place the nut tab in the bottom of the frame through the factory hole up to attach the shackle assembly to the frame and snug the up the bolt. **Note: Use a small amount the supplied thread locking compound on all the bolts that are secured with a nut tab. SEE PHOTO ON NEXT PAGE.**



4. With the shackle assembly attached to the frame, the two rear holes on the frame mount must be drilled out. The bracket must level and even with the trucks frame for proper clearance of the shackle and traction bar. Drill a pilot hole first, then follow with a 1/2" drill bit. Locate FT90058 Driver Dual Nut Tab and supplied 3/8" hardware. Place the nut tab into the factory hole just behind the shackle mount and attach to the frame with the supplied 3/8" hardware. **Note: Use a small amount the supplied thread locking compound on all the bolts that are secured with a nut tab.** SEE PHOTOS BELOW

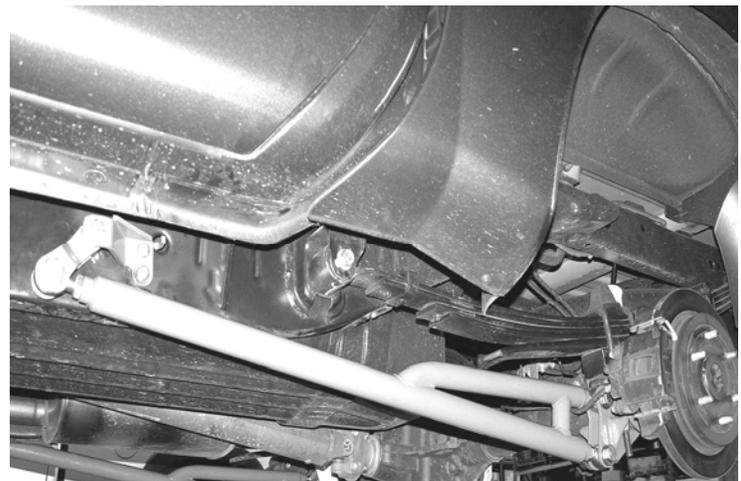
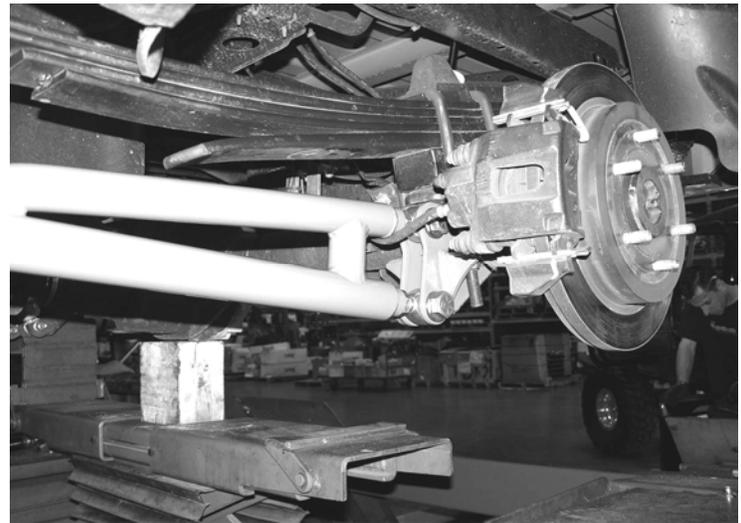
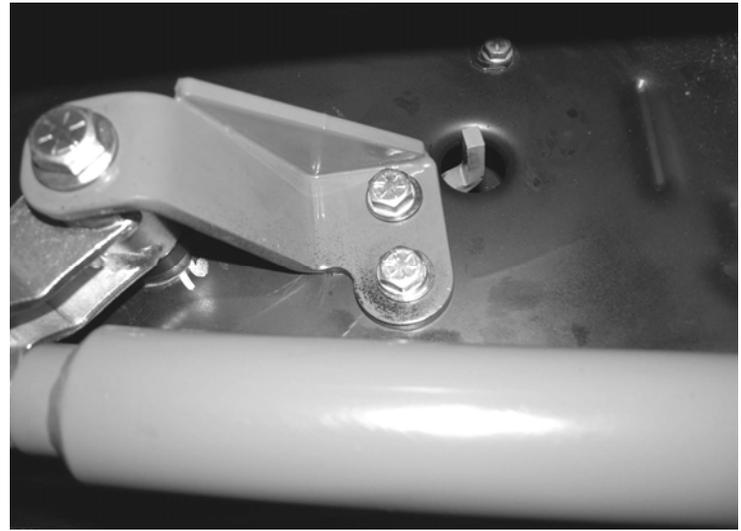


Photo shown with Frame Mount removed for hole and tab location



5. Locate the Fabtech traction bar FT90052BK. With the Heim Joints installed connect the traction bar to the rear axle bracket with the supplied 3/4" x 2 1/2" bolts, washers, and c-lock nuts. Leave loose. When attaching the traction bar to the axle make sure the heims are straight up and down.

6. With the supplied 3/4" x 2 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 shackle is facing downward to allow proper pivoting of the shackle. Make the heim is also straight before torque.** SEE PHOTOS IN NEXT COLUMN.



7. Repeat same procedure for passenger side

8. Torque the 3/4" Heim bolts to 100 Ft. lbs., 1/2" shackle bolts to 75 Ft. lbs., and 3/8" bracket bolts to 25 Ft. lbs.

9. Loosen all the jam nuts away from the bars and make sure that the required 1" of thread is in each of the bars (there is 1 3/4" of threads total on the ends). Apply some of the supplied thread locking compound to each joint and retighten the jam nuts.

## **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.