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**909-597-7800 FAX 909-597-7185**  
**1998-1999 NISSAN FRONTIER 2 WHEEL DRIVE**  
**FTS7100-6 3" LIFT A ARM KIT**

**PARTS LIST:**

<b>1 EA. UCA FT7100-6P</b>	<b>1 EA. UCA FT7100-6D</b>
<b>8 EA. URETHANE BUSHINGS FT1003</b>	<b>4 EA. INNER SLEEVES FT7100-6-100</b>
<b>1 EA. GREASE FITTINGS FT84H</b>	<b>1 EA. PKG. SILICON LUBE FTLUBE</b>
<b>2 EA. LOW PRO BUMPSTOPS FTS60235</b>	<b>2 EA. 3/8" SAE WASHERS</b>
<b>2 EA. 3/8" LOCK NUTS</b>	<b>2 EA. UPPER BALL JOINTS FT20147</b>
<b>8 EA. 8 MM BOLTS</b>	<b>8 EA. 8 MM LOCK WASHERS</b>

**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:**

**JACK STANDS**  
**FLOOR JACK**  
**AIR CHISEL OR HYDRAULIC PRESS**  
**ASSORTED METRIC WRENCHES AND SOCKETS**  
**HAMMERS, CUTTERS, MISCELLANEOUS TOOLS**  
**RED LOCTITE (PERMATEX 271)**

**READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION!**

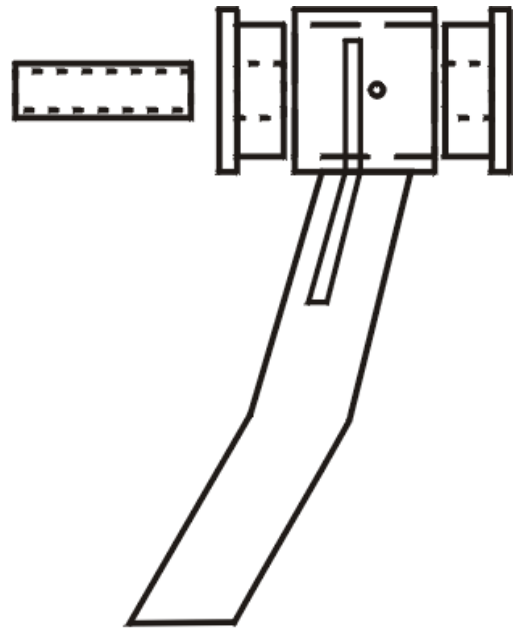
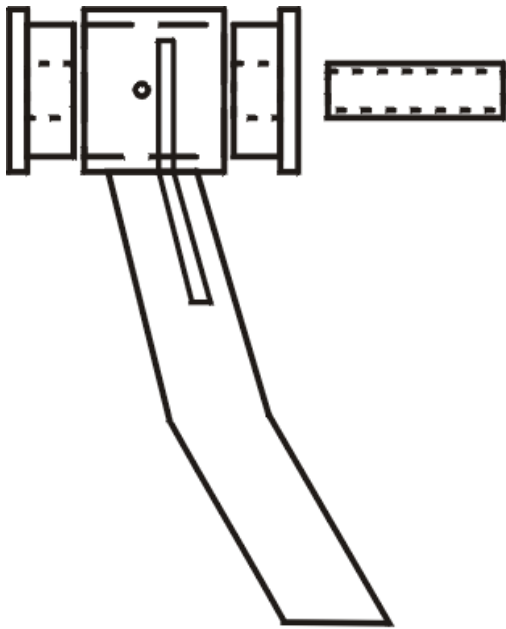
**WARNING: FABTECH RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING WITH PRELOADED TORSION BARS TO AVOID POSSIBILITY OF SERIOUS INJURY.**

**TO MAINTAIN FULL LIFT AND BEST RIDE WITH THESE A ARMS WE HIGHLY RECOMMEND THE USE OF SAW1446 TORSION BARS.**

**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.**

## **INSTRUCTIONS:**

1. Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the front tires and the front shocks
2. Grease the threads on the torsion bar adjuster bolts and slowly loosen the nut, holding the bolt on top of the cross member (located next to the inside of the frame rails near the middle cross member, under the cab of the truck.) **IF THE BOLT LOCKS UP OR SEEM EXCESSIVELY TIGHT, STOP AND CONTACT FABTECH FOR ADVISE. USE EXTREME CAUTION, THESE BOLTS ARE UNDER VERY HIGH LOADS!**
3. After you have removed the right and left torsion adjuster bolts slide the torsion bars back and remove them from the truck. Remove the sway bar end links from the lower control arms (LCA) as well as the mounts holding the sway bar to the frame. Remove the sway bar from the truck and discard. **THE SWAY BAR MUST BE REMOVED FROM THE TRUCK WHEN USING FABTECH LIFT A ARMS TO PREVENT INTERFERENCE WITH THE BRAKE CALIPERS.**
4. Starting on the passenger side (right), support the lower control arm (LCA) with a jack. Remove the cotter pin and castle nut securing the upper ball joint to the spindle and separate the upper ball joint from the spindle. **SUPPORT THE SPINDLE TO PREVENT ANY DAMAGE TO THE BRAKE LINE.** Remove the two nuts on the UCA eccentric cams, slide the bolts out of the bushings, remove the UCA from the frame and set all the hardware aside. Repeat this step on the driver side (left) of the truck.
5. Attach the supplied upper ball joint to the UCA using the supplied 8 mm bolts and lock nuts, applying thread locking compound to the bolts. Using the supplied silicon lube coat the bushings, the inside of the UCA bushing ends, the inner sleeves and press the bushings into the UCA followed by the inner sleeves as shown in figure 1. Install one grease fitting into each bushing end of the UCA Slide the UCA into the bushing pockets of the frame and reinstall the eccentric cams the same way they were removed. Center the eccentric cams in the frame mounts and torque the nuts to factory specifications. Be sure to install the proper UCA on each side of the truck, they are labeled passenger and driver. Install a low profile (5/8" thick) bumpstop on the upper frame mounts replacing the stock upper bumpstop on both sides of the truck. Attach the upper ball joint to the spindle using the newly supplied castle nut and cotter pin. Lower the jack supporting the LCA.
6. Install two new front shocks, depending on the size shock installed you may have to grind the lower bumpstop mount to protect it from contact with the shock. Reinstall the front tires and torque all the lugs to factory specifications. Install the new torsion bars according to the included instructions. Coat the threads of the torsion bar bolts with anti-seize compound and roughly torque down both torsion bar bolts. Set the truck back onto the ground and bounce on the front end to settle the torsion bars. We recommend you set the torsion bars so that there is a 3/8" to 1/2" space between the upper bumpstop and the UCA tube. **WHEN MAKING ADJUSTMENTS ON THE TORSION BARS, JACK UP THE FRONT END OF THE TRUCK TO UNLOAD THE TORSIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SEIZED OR BROKEN TORSION BAR BOLTS!**
7. Set the toe in to approximate factory specifications. Drive the truck about 2-3 miles and recheck the ride height making sure the truck is even side to side, adjust the torsion bars if necessary. We recommend you drive the vehicle for fifty miles and then have the vehicle aligned to factory specifications. Re-adjust headlights.



***FIGURE 1***

## **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.

Coil over 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.