



www.fabtechmotorsports.com

4331 EUCALYPTUS AVE. CHINO, CA. 91710  
Phone 909-597-7800 Fax 909-597-7185  
**FTS1599-6-2 REPLACEMENT BALL JOINT KIT**  
**1999-2003 GM C1500**

**PARTS LIST:**

2 EA. FT20154 BALL JOINTS	2 EA. ZERK FITTINGS
8 EA. 5/16" X 1 1/4" BOLTS	8 EA. 5/16" LOCK NUTS
8 EA. 5/16" SAE WASHERS	

**TOOL LIST: ( NOT INCLUDED)**

FLOOR JACK          JACK STANDS  
ASSORTED METRIC AND S.A.E SOCKETS, & WRENCHES

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! THE INSTALLATION OF THESE BALL JOINTS DO NOT REQUIRE THE REMOVAL OF THE COIL SPRINGS, SHOCKS OR CONTROL ARMS. FRONT END ALIGNMENT WILL NOT BE EFFECTED IF YOU FOLLOW THESE DIRECTIONS. INSTALLATION SHOULD BE PERFORMED BY A PROFESSIONAL MECHANIC.**

**WARNING: FABTECH RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING WITH COIL SPRINGS TO AVOID ANY POSSIBILITY OF INJURY.**

**INSTRUCTIONS:**

- |   |  |
|---|--|
| <ol style="list-style-type: none"><li>1. Disconnect the negative terminal on the battery. Block the rear tires and jack up the front end of the vehicle and support the frame rails with jack stands. <b><u>NEVER WORK UNDER AN UNSUPPORTED VEHICLE!</u></b> Remove the front tires</li><li>2. Starting on the driver side of the truck, place floor jack under lower control arm and jack up to lift control arm slightly off bump stop mount.</li><li>3. Locate and remove the cotter pin on the upper ball joint stud. Loosen stud nut, do not remove. Using a large hammer with force, strike spindle next to ball joint to dislodge ball joint stud from</li></ol> | <p>spindle. Do not strike upper control arm or ball joint.</p> <ol style="list-style-type: none"><li>4. Remove the stud nut and the four nuts and bolts that retain the ball joint to the upper control arm and discard ball joint and hardware.</li><li>5. Locate new Fabtech ball joint and fasten to upper control arm using provided hardware with the lock nuts and washers on the top of the control arm. Torque bolts to 24 ft/lbs.</li><li>6. Insert to the ball joint stud into the spindle. When the upper ball joint is fully seated in the spindle install the new castle nut. Torque to 45 ft/lbs. Followed by the proper amount to line up a cotter pin hole. <b>DO NOT LOOSEN THE NUT TO LINE</b></li></ol> |
|---|--|

**UP THE COTTER PIN HOLE.** Install new cotter pin.

7. Inspect the Fabtech control arm bump stop at this time to make sure that it is installed over the factory mount and that it is bolted securely to the frame. Failure to have the Fabtech bump stop in place and properly attached will cause ball joint failure and possible loss of control of vehicle.



8. Install tire and wheel and torque lug nuts to the wheel manufacturers specifications.
9. Repeat same steps for passenger side.

10. Install new zerk fitting into ball joint and lube using chassis grease when the full weight of the vehicle is on the ground. **IT IS MANDATORY THAT THE BALL JOINT BE LUBRICATED AT THIS TIME AND THEREAFTER EVERY 2000 MILES**



11. **WHILE TURNING THE STEERING WHEEL FULLY IN EACH DIRECTION, MAKE SURE THERE IS AMPLE CLEARANCE BETWEEN THE WHEELS, TIRES, CONTROL ARMS, BRAKE LINES AND ABS WIRES.**
12. Check front-end alignment and set to factory specifications.

**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.

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.