



www.fabtechmotorsports.com

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 FT594 ALIGNMENT CAM

**PARTS LIST:**

**1 EA. FT594 ALIGNMENT CAM**

**TOOL LIST:**

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

**READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION!  
 RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 50 MILES AND PERIODICALLY THEREAFTER.**

For technical assistance call: 909-597-7800

1. Take initial alignment reading to determine that the vehicle is out of OEM specification.
2. Remove tire/wheel assembly and the currently installed bushing from the upper ball joint.
3. Install the DUAL-AXIS ADJUSTABLE BUSHING in the Neutral or 0 Degree position by dialing the "N" of the INNER BUSHING to the SLOT of the OUTER BUSHING (See Illustration #1). It does not matter at this point in what position the Dual-Axis bushing is installed.
4. Take a new alignment reading to determine the amount of positive (+) or negative (-) Camber & Caster changes necessary.
5. Refer to the proper chart for the vehicle make you are servicing.
6. Follow both measurements (camber & caster changes required) to their intersection on the chart. In this box, you will find two letters. The UPPER letter represents the code for positioning the INNER adjuster. The LOWER letter is the reference for positioning the OUTER adjuster (See Illustration #2).
7. It is not necessary to remove the DUALAXIS bushing to index to the proper position! Using a thin wall socket or channel type pliers will make adjustments easy.
8. Simply adjust the INNER bushing so the UPPER letter recorded earlier lines up with the SLOT of the OUTER bushing. Dial the OUTER bushing so that the slot lines up in the appropriate location of the knuckle according to the LOWER number of the chart (See Illustration #3).
9. Install the pinch bolt or ball joint castle nut and torque to manufacturer's specifications. (Install new castle nut included with bushing, where provided, to allow for proper cotter pin installation.)
10. Install snap ring or cotter pin as required.
11. Proceed with alignment and road test the vehicle.

Illustration #1

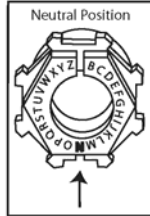
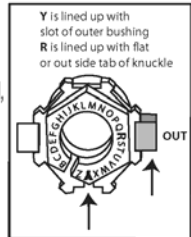


Illustration #2



Illustration #3



1980-95 F150 & F250 Ford Trucks 4x4  
 1992 & newer F250 Super-duty Ford Trucks 4x4  
 1998 & newer F350, F450 & F550 Ford Trucks 4x4  
 1994-99 Dodge Ram 2500, 3500 4x4 & 4x2

		CAMBER																														
		+ POSITIVE +										- NEGATIVE -																				
		4"	3 3/4"	3 1/2"	3 1/4"	3"	2 3/4"	2 1/2"	2 1/4"	2"	1 3/4"	1 1/2"	1"	3/4"	1/2"	0"	-1/2"	-3/4"	-1"	-1 1/4"	-1 1/2"	-1 3/4"	-2"	-2 1/4"	-2 1/2"	-2 3/4"	-3"	-3 1/4"	-3 1/2"	-4"		
NEGATIVE	-4"																															
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PASSENGER SIDE

## 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.

Instruction Sheet Part #- FT594i

1/15/13 GS