



**4331 EUCALYPTUS AVE. ~ CHINO, CA 91710
PHONE 909-597-7800 FAX 909-597-7185
1983-97 FORD RANGER 2 WHEEL DRIVE
FTS303 CUSTOM I BEAMS**

PARTS LIST:

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|--|-----------------------------------|
| 1 EA. PASS. I BEAM FT303P | 1 EA. DRIV. I BEAM FT303D |
| 2 EA. ½" X 2 ½" BOLTS | 2 EA. ½" LOCK WASHERS |
| 4 EA. COTTER PINS | 4 EA. BUSHINGS FT1003 |
| 2 EA. SLEEVES FT7100-6-100 | 4 EA. GREASE FITTINGS FT84 |
| 1 EA. SILICON LUBE FTLUBE | |
| 1 EA. DRIV. STEERING ADJ. SLEEVE FT63 | |
| 1 EA. PASS. STEERING ADJ. SLEEVE FT64 | |

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:

**FLOOR JACK
JACK STANDS
AIR HAMMER WITH CHISEL AND PUNCH BITS
DRILL WITH 1/8" AND 1/2" BITS
ASSORTED METRIC AND S. A. E. WRENCHES AND SOCKETS
C-CLAMPS OR VISE CLAMPS
WHITE LITHIUM GREASE**

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION.

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

TO INSTALL THIS KIT ON 83-88 MODEL TRUCKS, YOU WILL NEED TO CHANGE THE SPINDLES AND ROTORS TO 89-97 MODEL VERSIONS. CALL FOR DETAILS.

THESE I BEAMS MUST BE INSTALLED WITH THE FTS305 EXTENDED RADIUS ARM KIT AND FTS125 COIL SPRINGS.

INSTRUCTIONS:

1. Jack up the front end of the truck and support the frame, at the front frame rails, with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE.** Remove the front tires.
2. Starting on the passenger side of the truck, remove the brake caliper and tie it up out of the way. **DO NOT ALLOW THE CALIPERS TO HANG FROM THE BRAKE LINES!** Supporting the I beam with a floor jack, remove the front shock, sway bar end link and remove the sway bar from the truck. Next, loosen the I Beam pivot bolt, **DO NOT REMOVE THE BOLT FROM THE I BEAM BRACKET.**
3. Remove the cotter pin and castle nut securing the tie rod end to the spindle. Using a tie rod puller, separate the tie rod end from the spindle. Remove the bolt clamping the alignment cam into place and pull the cam out of the I beam. Remove the cotter pin and castle nut from the lower ball joint. Separate the spindle from the I beam and set the spindle assembly aside. Support the I beam with a jack and remove the J clip at the top of the coil spring. Lower the floor jack supporting the I beam and remove the nut at the bottom of the coil spring. Set the coil spring, retaining washer, insulator and lower washer aside. Separate the I beam from the radius arm.
4. Loosen the adjuster sleeves on both tie rods and completely unthread the sleeves from the tie rod ends. Remove the tie rod end from the adjuster sleeve and replace both sleeves with the new supplied units.
5. Install the radius arms, following the instructions supplied with the radius arm kit.
6. Attach the I beam to the radius arm using the factory bolt. Torque the bolt and reinstall the coil springs, replacing the coil insulators and washers the same way you removed them, as well as the J clips at the top of the coils. Reinstall the spindle onto the new I beam and torque the lower castle nut. **Be sure to install a new cotter pin.** Install the alignment cam, we recommend the use of FTS594 alignment cams, into the I beam. Insert the supplied ½” bolt with a lock washer into the cam clamp and tighten. Attach the tie rod end to the spindle and torque the castle nut. **Be sure to install a new cotter pin.** Repeat this step on the opposite side of the truck.
7. Install a FTS9611-1 brake line kit at this time. Install new front shocks, brake calipers, and front tires. Torque the wheel lugs to factory specs. Set the truck back on the ground. Retorque the I Beam pivot bolts to factory specs and check the torque on all fasteners. Set the toe-in, making sure the adjuster sleeves are centered on the tie rod ends, and reset it to factory specs if necessary. We recommend driving the truck for fifty miles and then having it aligned to factory specs.

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.