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FTS305 1983-97 2WD FORD RANGER
EXTENDED RADIUS ARMS WITH MOUNTS

PARTS LIST:

1 EA. PASS. RADIUS ARM FT305P	1 EA. DRIV. RADIUS ARM FT305D
2 EA. RADIUS ARM BUSHING FEMALE FT305-2A	2 EA. RADIUS ARM BUSHING MALE FT305-2B
2 EA. RADIUS ARM MOUNTS FT305-1	2 EA. 3/4" C-LOCK NUTS COARSE
1 EA. 3/8" X 1 1/4" BOLT	11 EA. 3/8" X 1" BOLT
12 EA 3/8" NYLOCK NUT	24 EA. 3/8" SAE WASHERS

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 3/8" DRILL BIT
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.

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!**
2. Remove the front tires. Remove the brake calipers and tie them up out of the way. **DO NOT ALLOW THE CALIPERS TO HANG FROM THE BRAKE LINES!** Remove the front shocks. Loosen both passenger and driver side I Beam pivot bolts, **DO NOT REMOVE THE TWO BOLTS.**

3. Remove the coil springs, the nut at the end of the radius arms, and the bolt holding the I Beam to the radius arm. Separate the radius arm from the I Beam and remove the stock bushings and washers from the end of the radius arms. You will only reuse the stock concave and flat washer.
4. Remove all the hardware holding the radius arm cross member to the frame. Use an air chisel to remove all rivets. Also, separate the emergency brake cable support from the frame on the drivers side.
5. Position the new radius arm mount on the frame, 12" towards the back of the truck, according to the supplied drawing. Clamp the mount to the frame. Drill all six 3/8" holes for the mount through the frame. **BE SURE TO CHECK FOR WIRES OR FUEL LINES ON THE INSIDE OF THE FRAME!** Attach the mount to the frame using the supplied 1" X 3/8" bolt, with a washer on each side. On the drivers side, use the supplied 1 1/4" X 3/8" bolt to secure the emergency brake support to the upper, front radius arm mount hole.
6. Take the drivers side radius arm, offset inboard with the shock mount facing outward and the bent tube at the bottom of the radius arm. Slide on the concave washer, facing backwards, and the long urethane bushing. Grease all contacting surfaces with white lithium grease. Slide the radius arm over the I Beam and into the radius arm mount. Insert the I Beam bolt through the bottom of Beam and only hand tighten the nut. On the passenger side I Beam, you may need to remove the I Beam pivot bolt to help get the radius arm into the mount. At the back of the radius arm slide on the small bushing, countersunk side forward, followed by the stock flat washer. Put a small amount of grease on the threads of the radius arm, as well as the I Beam bolt and install the new 3/4" c-lock nut at the end of the radius arm. Torque the bolt at the end of the radius arm first, followed by the radius arm/I beam connector bolt last. See the attached drawing for hardware placement.
7. Reinstall the coil springs, replacing the coil insulators the same way they are removed. We do recommend using J-clips to hold in the coil springs. Reinstall the front shocks and brake calipers. Reinstall the front tires and torque the lugs to factory specs.
8. Set the truck back on the ground. Torque the I Beam pivot bolts to factory specs and check the torque on all fasteners. Double check the toe-in and reset it to factory specs if necessary. We recommend driving the truck for fifty miles and then have the vehicle aligned to factory specs.

RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 50 MILES AND PERIODICALLY THEREAFTER.

For technical assistance call: 909-597-7800

Fabtech Motorsports Suspension Products

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.

