4331 EUCALYPTUS AVE. ~~ CHINO, CA 91710
909-597-7800 Fax 909-597-7185

1999-2004 FORD F-250/350 SUPER DUTY 4 WHEEL DRIVE
FTS420-50 FRONT DUAL SHOCK SYSTEM

PARTS LIST:

	FTS420-50BK	Dual Shock Hoops
Qty	Part #	Description
1	FT420-50-1	Dual Shock Tube 1 Drv. rr
1	FT420-50-2	Dual Shock Tube 2 Drv. fr
1	FT420-50-3	Dual Shock Tube 3 Pas. frt
1	FT420-50-4	Dual Shock Tube 4 Pas. rr
2	FT420-50-5	Dual Shock Upright
1	FT20407	Hdwr Sub-Assembly Kit

	FT20407	Hdwr Sub-Assembly Kit
Qty	Part #	Description
10	50000005052	1/2" SAE Flat Washer
8	50000005152	1/2" USS Flat Washer
7	50130003052	1/2"- 13 Nylock Nut
3	50131501052	1/2"- 13 X 1 1/2" Bolt
2	50136001052	1/2"- 13 X 6" Bolt
2	50136501052	1/2"- 13 X 6 1/2" Bolt
8	FT402087	Sleeve
2	FT420-50-6	Lower Sleeve
2	FT420-50i	Instructions
1	FTREGCARD	Registration Card

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
ASSORTED METRIC AND S. A. E. WRENCHES AND SOCKETS
WHITE LITHIUM GREASE
DRILL WITH ¼" AND ½" BIT

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

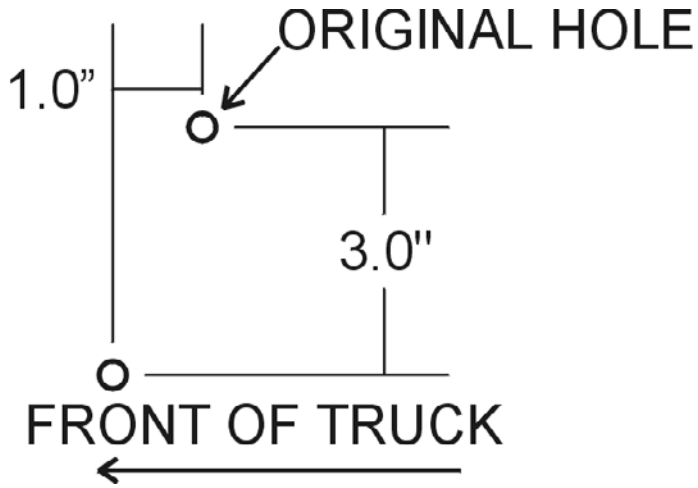
THIS KIT MUST BE INSTALLED WITH FABTECH FRONT SHOCKS NOT INCLUDED WITH THIS KIT.

INSTRUCTIONS:

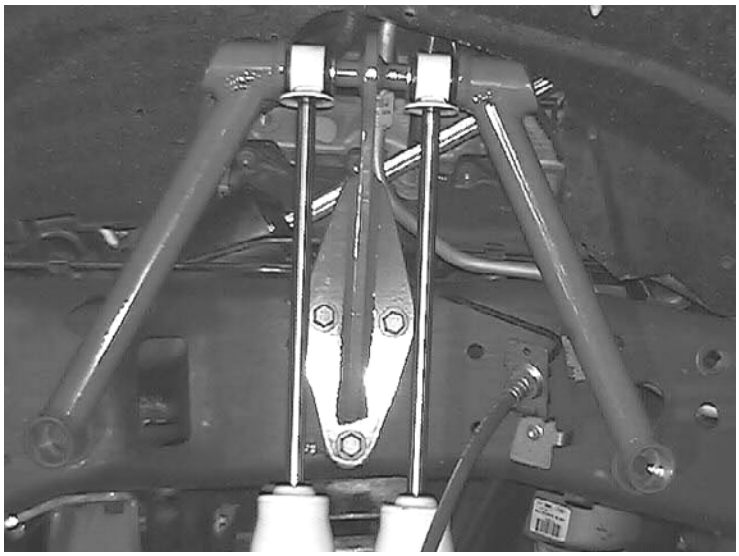
1. Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the front axle with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE.** Remove the front tires.

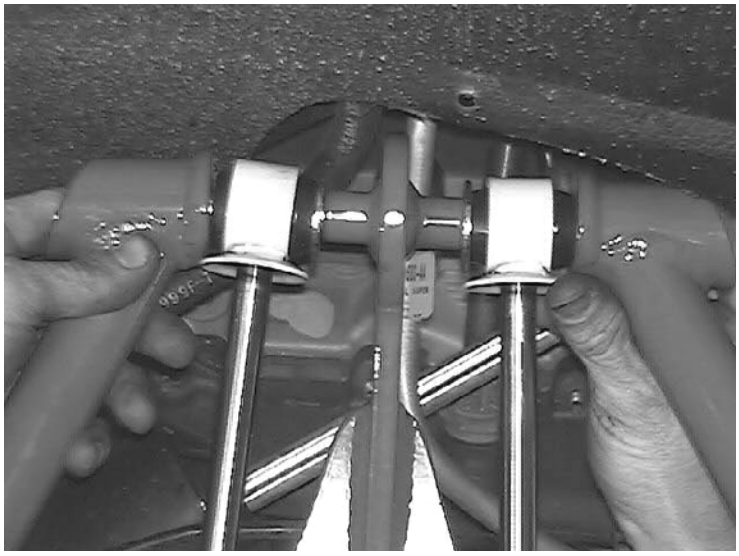
2. Starting on the Driver's side of the truck, remove the front shock and the 3 bolts securing the front upper shock mount to the frame. Replace the original cast shock mount with the new bolt on center section. Reuse the original bolts but only hand tighten. Remove the bolt securing the brake line tab to the frame.

3. You will now relocate the upper brake line mounting tab. Mark a spot on the frame 3" below and 1" towards the front of the frame from the original hole. Drill a new ¼" hole and reinstall the original bolt. SEE DIAGRAM BELOW.

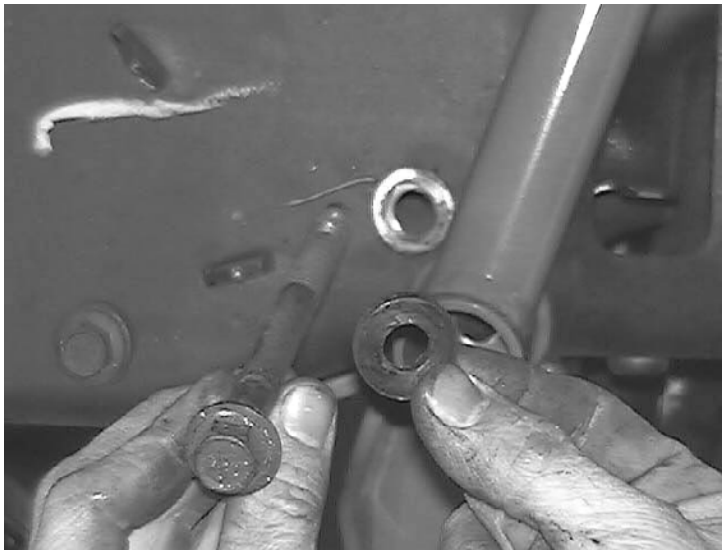


4. Locate the driver's side rear support tube (FTS420-50-1) it will have a "1" stamped on the flat bolt surface. Locate the end with the flat spot on the bolt surface, this will be the top. Insert a ½" x 6 ½" bolt, with a ½" SAE flat washer (small diameter), through the top hole and through the shaft end of the shock. Place a ½" USS flat washer (large diameter) on the bolt and slide it through the upper center shock mount on the frame. Continue on the other side with another ½" USS flat washer, shock, and the driver's side front support tube (FTS420-50-2) it will have a "2" stamped on the flat bolt surface. Place a ½" SAE flat washer and ½" lock nut on the end of the bolt and hand tighten. SEE PHOTOS IN NEXT COLUMN.

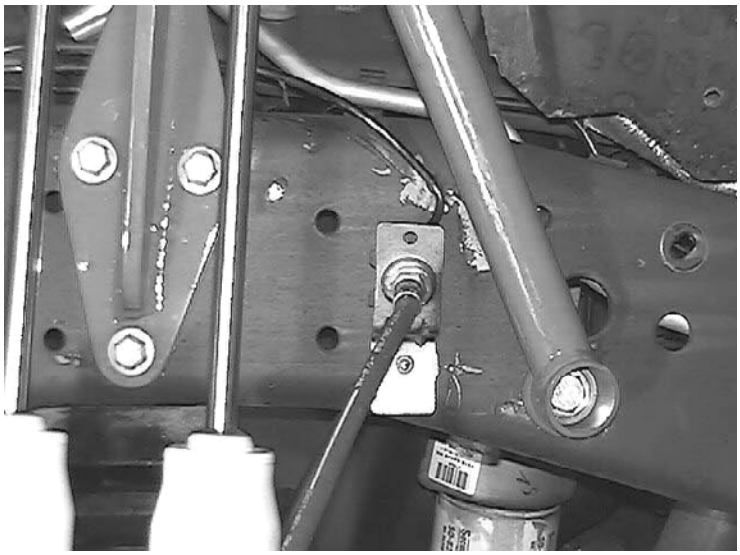




5. Remove the lower rear steering box bolt from the frame. Remove the flat washer and use the bolt to attach the bottom of the front shock support tube to the frame, through the original steering box hole. Torque the bolt to 40 ft/lbs. SEE PHOTO BELOW.

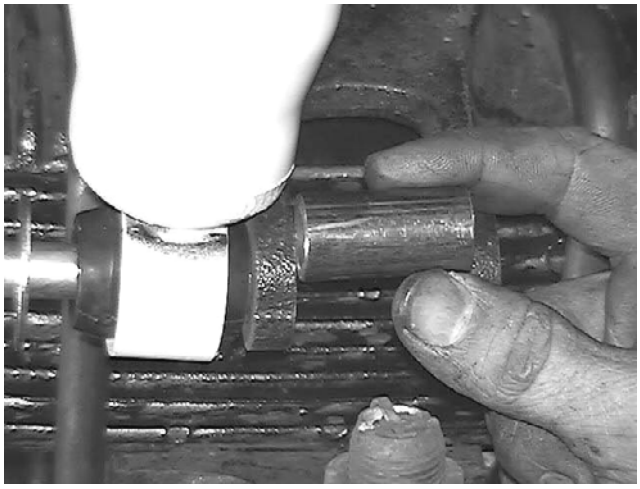


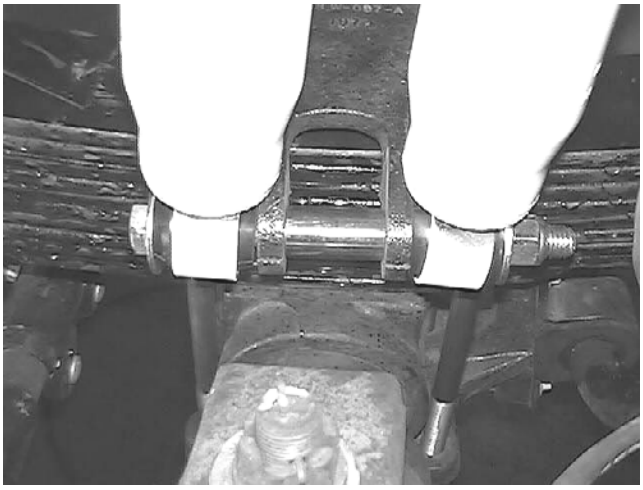
6. Torque the upper shock bolt to 40 ft/lbs. Position the bottom of the rear shock support tube flush against the frame and mark the hole position using a center punch. Swing the support tube out of the way and drill a 1/4" pilot hole followed by a ½" bit. Attach the support tube to the frame using the ½" x 1 ½" bolt, ½" flat washers and ½" lock nut. Torque the ½" bolt to 65 ft/lbs. SEE PHOTOS BELOW.

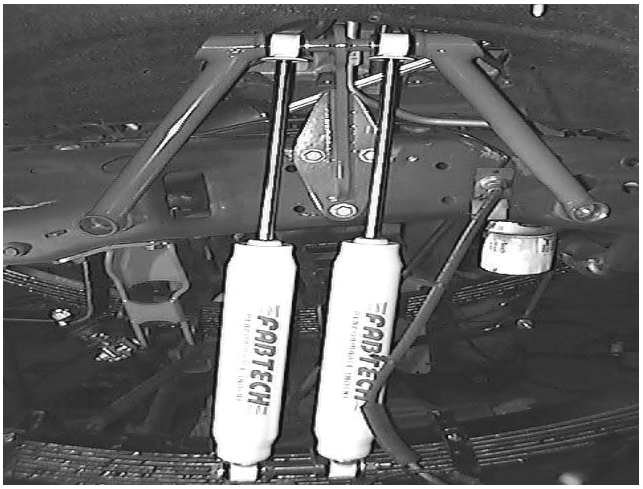




7. Slide a lower spacer sleeve into the original lower shock mount. Slide a ½" USS flat washer (large diameter) onto a ½" x 6" bolt. Slide the bolt into the bottom of the front shock, through the original lower shock mount and spacer sleeve. Continue through the rear shock, followed by another ½" USS flat washer and ½" lock nut. Torque the nut to 65 ft/lbs. SEE PHOTOS IN NEXT COLUMN.







8. Repeat steps two through seven on the passenger's side of the truck. You will have to drill a ½" hole for the bottom of the passenger's side front support tube. Use the supplied ½" x 1 ½" bolt, ½" SAE flat washer and ½" lock nut.

9. Reinstall the front tires and set the truck back on the ground. Turning the steering wheel fully in each direction, check for contact between the tires and any newly installed components.

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.

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 inconstancies 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.

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