



**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.

TOOL LIST:

FLOOR JACK

JACK STANDS

ASSORTED METRIC AND S. A. E. WRENCHES AND SOCKETS

WHITE LITHIUM GREASE

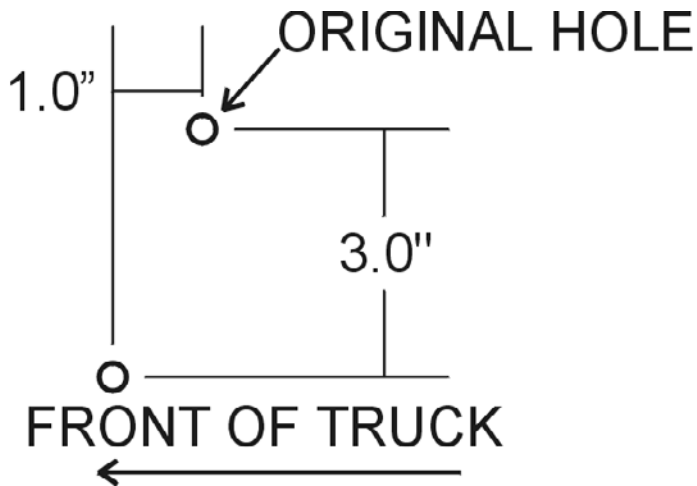
DRILL WITH 1/4" AND 1/2" BIT

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

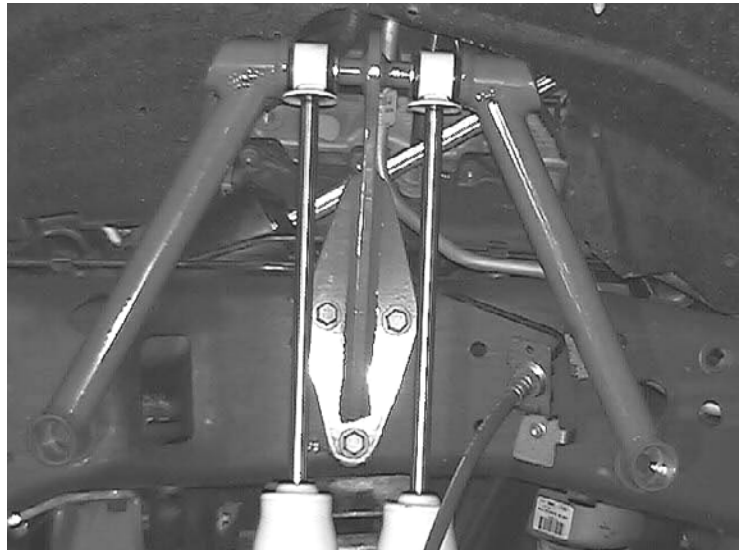
THIS KIT MUST BE INSTALLED WITH FABTECH FRONT SHOCKS NOT INCLUDED WITH THIS KIT.

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 1/4" hole and reinstall the original bolt. SEE DIAGRAM BELOW.



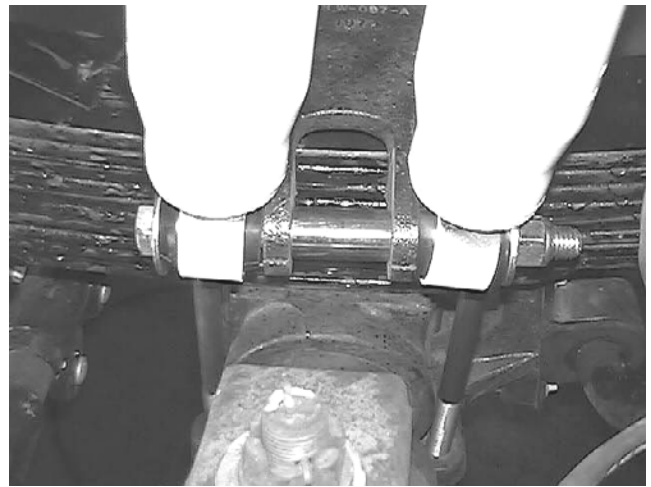
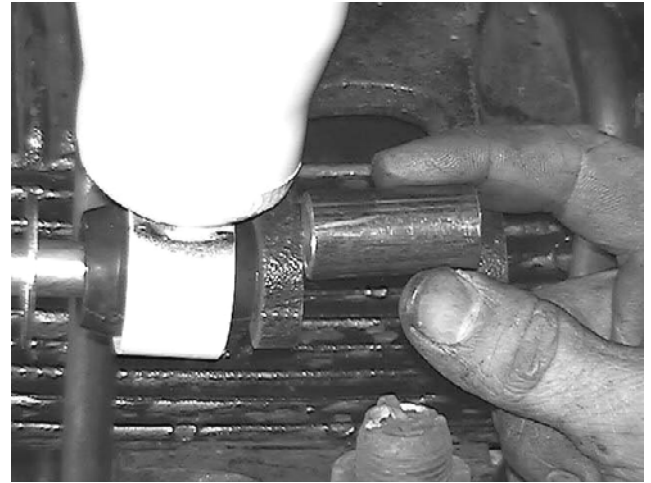
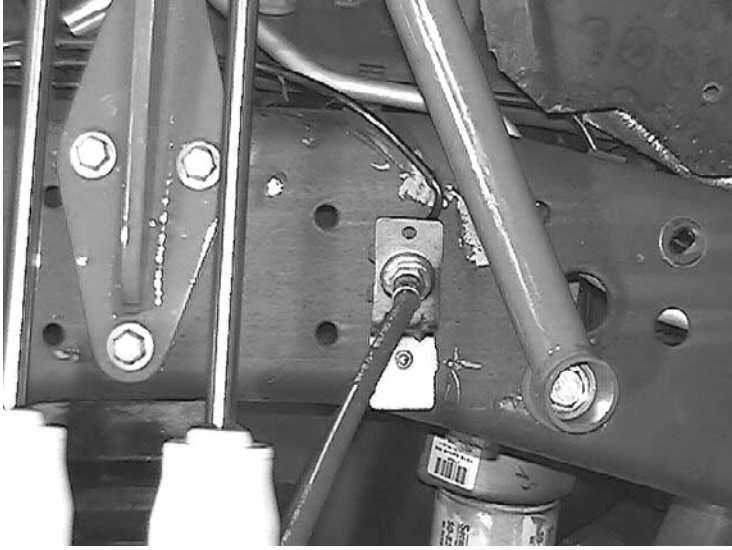
4. Locate the driver's side rear support tube (FTS420-50-1) it will have a "1" stamped on the flat bolt surface. Locate the end with the flat spot on the bolt surface, this will be the top. Insert a 1/2" x 6 1/2" bolt, with a 1/2" SAE flat washer (small diameter), through the top hole and through the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



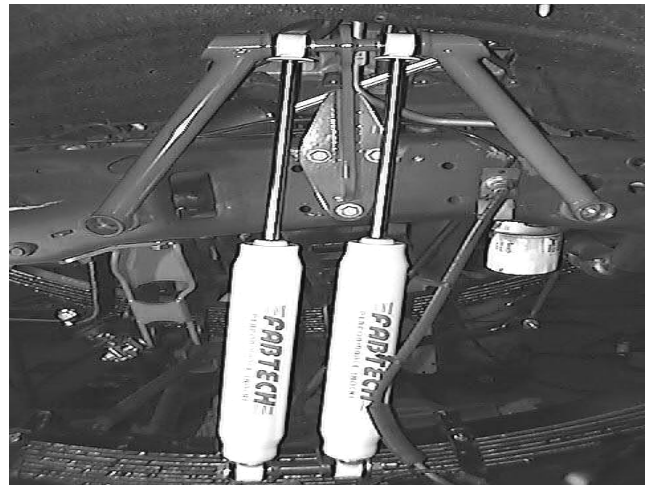
5. Remove the lower rear steering box bolt from the frame. Remove the flat washer and use the bolt to attach the bottom of the front shock support tube to the frame, through the original steering box hole. Torque the bolt to 40 ft/lbs. SEE PHOTO BELOW.



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 1/2" bit. Attach the support tube to the frame using the 1/2" x 1 1/2" bolt, 1/2" flat washers and 1/2" lock nut. Torque the 1/2" bolt to 65 ft/lbs. SEE PHOTOS BELOW.



7. Slide a lower spacer sleeve into the original lower shock mount. Slide a 1/2" USS flat washer (large diameter) onto a 1/2" 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 1/2" USS flat washer and 1/2" 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 1/2" hole for the bottom of the passenger's side front support tube. Use the supplied 1/2" x 1 1/2" bolt, 1/2" SAE flat washer and 1/2" 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.