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PHONE 909-597-7800 ** FAX 909-597-7185
1994-2001 DODGE RAM 1500 & 2500 4 WHEEL DRIVE
FTS3400-50 FRONT DUAL SHOCK SYSTEM

PARTS LIST:

1 EA. FT3400-50-100P	DUAL SHOCK MOUNT PASSENGER'S SIDE
1 EA. FT3400-50-100D	DUAL SHOCK MOUNT DRIVER'S SIDE
1 EA. FT3400-50-101P	SUPPORT TUBE PASSENGER'S SIDE
1 EA. FT3400-50-101D	SUPPORT TUBE DRIVER'S SIDE
1 EA. FT3400-50-102P	LWR. SHOCK MNT. BRACKET PASSENGER'S SIDE
1 EA. FT3400-50-102D	LWR. SHOCK MNT. BRACKET DRIVER'S SIDE
1 EA. FT3400-50-103P	FRAME SLEEVE PASSENGER'S SIDE 1" X 1 7/8"
1 EA. FT3400-50-103D	FRAME SLEEVE DRIVER'S SIDE 1" X 2 13/16"
2 EA. FT3400-50-105	LIMIT STRAPS
2 EA. FT98100-7-101	SPACER

HARDWARE LIST:

8 EA. 1/2" X 1 1/2" BOLTS	6 EA. 1/2" X 3" BOLTS
3 EA. 1/2" X 3 1/2" BOLTS	1 EA. 1/2" X 4" BOLTS
2 EA. 1/2" X 4 1/2" BOLTS	18 EA. 1/2" NYLOCK NUTS
36 EA. 1/2" SAE FLAT WASHERS	2 EA. 1/2" LOCK WASHERS
2 EA. 1/2" X 2 1/2" BOLTS (to be used with ft98100-7-101 spacer)	

CHECK ALL PARTS INCLUDED IN THIS KIT TO THE PARTS LIST ABOVE BEFORE BEGINNING INSTALLATION OF THIS KIT. IF ANY PIECES ARE MISSING, CONTACT FABTECH AT 909-597-7800.

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

THIS KIT MUST BE INSTALLED WITH FTS7265 FRONT SHOCKS AND FTS3400 OR FTS3420 SUSPENSION SYSTEM.

O.E.M. WHEELS AND TIRES CAN BE USED AFTER THE INSTALLATION OF THIS KIT. FABTECH RECOMMEND'S AFTER MARKET WHEELS WITH A MAXIMUM BACKSPACING OF 4 5/8".

TOOL LIST: (NOT INCLUDED)

- FLOOR JACK
- JACK STANDS
- ASSORTED METRIC AND S.A.E SOCKETS
- DRILL WITH 1/4", 1/2", 1" BITS

INSTRUCTIONS:

1. Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the front frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the front tires.
2. Support the front axle with two floor jacks. Starting on the driver's side of the truck, remove the top nuts on the front shocks and the lower bolts securing the shock to the axle. Remove the three nuts securing the upper shock mount cage to the coil spring mount. Remove the front shocks from the truck. Lower the jacks under the front axle and remove the coil springs.
3. Place the new driver's side upper shock mount (FTS3400-50-100D) on top of the coil tower and the three bolts. Hand tighten the original nuts. Using a center punch, mark the center of the hole on the front lower tube, on some trucks the 1" hole will already exist on the outside of the frame, you will still have to drill the 1/2" hole on the inside of the frame. Remove the three nuts securing the upper shock mount to the coil tower. Starting with a 1/4" bit, drill straight through both sides of the frame. Follow through the hole with a 1/2" bit. Using a 1" drill, enlarge the hole on the outside of the frame to 1", **DO NOT DRILL THROUGH THE INSIDE OF THE FRAME!** SEE PHOTOS BELOW.



4. Place the upper shock mount back onto the coil tower. Slide the driver's side frame sleeve (2 13/16" long) into the new 1" hole. Place a 1/2" x 4" bolt through the front tube of the upper shock mount, into the frame sleeve and through the back of the frame. Use a 1/2" flat washer and lock nut

on the backside of the frame. Torque the three top nuts to factory specs and the front 1/2" bolt to 65 ft/lbs. SEE PHOTO BELOW.



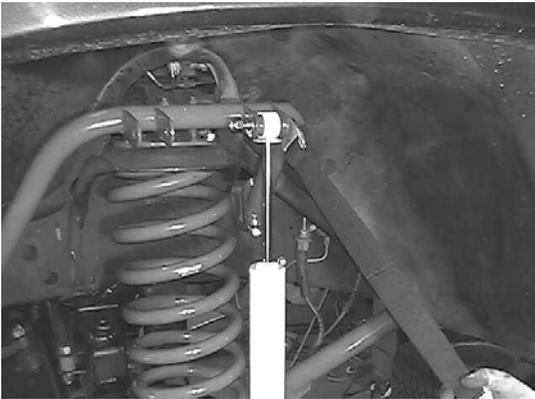
5. Take one of the 1/2" x 1 1/2" bolts, 1/2" flat washers, 1/2" lock washers and attach the drivers side support tube (FTS3400-50-101D) to the side of the upper shock mount. The bottom of the support tube should rest against the top of the bump stop tab. **If the support tube does not rest against the top of the bump stop tab than use the supplied FT98100-7-101 spacer between the support tube and the tab.** Mark the hole position using a center punch. Swing the support tube out of the way and drill a 1/4" pilot hole. Follow through with a 1/2" drill bit and attach the support tube to the bump stop tab using a 1/2" x 1 1/2" bolt, 1/2" flat washers and a 1/2" lock nut, if you are use the supplied spacer than use the supplied 1/2" X 2 1/2" bolt in place of the 1 1/2" bolt. . Torque the top and the bottom bolts to 65 ft/lbs. SEE PHOTOS BELOW.



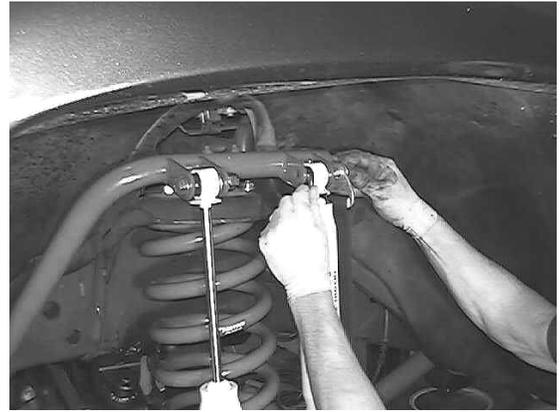
6. Position the lower shock mount below the lower coil spring mount. Secure the bracket to the lower coil spring mount using the supplied $\frac{1}{2}$ " x $1\frac{1}{2}$ " bolts, $\frac{1}{2}$ " flat washers and $\frac{1}{2}$ " lock nut. You will need to drill out the 2 factory holes to $\frac{1}{2}$ ". The rear hole will use the $\frac{1}{2}$ " x $4\frac{1}{2}$ " bolt, nut and washer, throw the existing link arm hole. SEE PHOTO BELOW. (PICTURE IS OF PASSENGER SIDE)



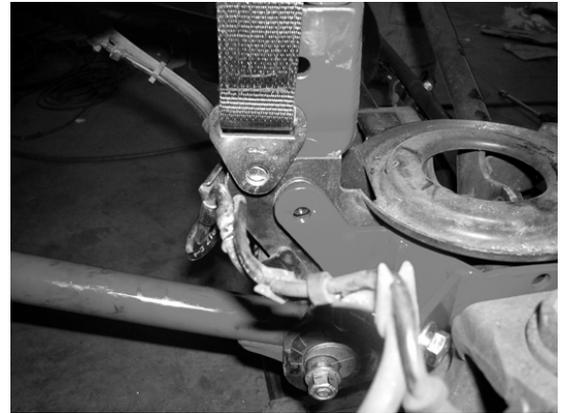
7. Repeat steps two through six on the passenger's side of the truck. The passenger's side of the truck will use the $\frac{1}{2}$ " x $3\frac{1}{2}$ " bolt and $1\frac{7}{8}$ " frame sleeve on the front tube of the upper shock mount.
8. Reinstall the coil springs into the truck the same way they were removed, raising the jacks to support the front axle. SEE PHOTO BELOW.



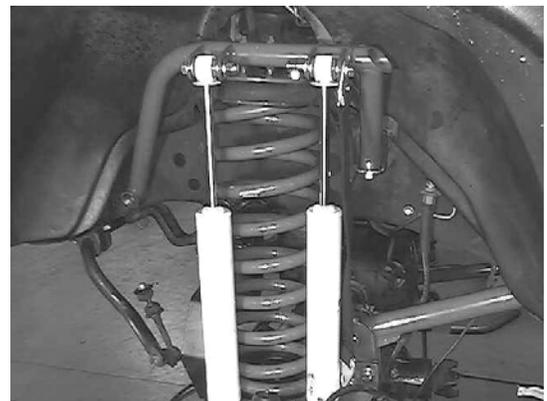
9. Slide one of the front shocks into the rear upper shock tabs. Take a limit strap and slide a $\frac{1}{2}$ " x 3" bolt through one end, with a $\frac{1}{2}$ " flat washer on each side of the limit strap tab. Now slide the bolt through the upper shock tabs and the shock. Place a flat washer and a $\frac{1}{2}$ " lock nut onto the bolt. Attach the bottom of the shock onto the lower shock mount with a $\frac{1}{2}$ " x 3" bolt, with $\frac{1}{2}$ " flat washers and a lock nut. SEE PHOTO NEXT COLUMN.

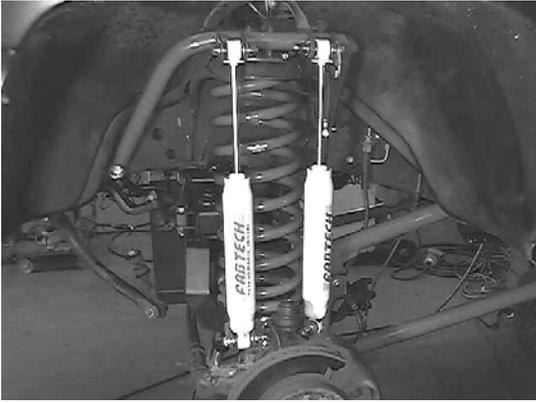


10. Using a $\frac{1}{2}$ " x $3\frac{1}{2}$ " bolt, $\frac{1}{2}$ " flat washers and lock nut, supplied in the FTS3400 or FTS3420 kit, attach the bottom of the limit strap to the new link arm mount bolt. There should be a $\frac{1}{2}$ " flat washer on each side of the limit strap tab. While pulling tension on the limit strap, torque the lower bolt to 40 ft/lbs. SEE PHOTO BELOW.



11. Attach the front shock to the mounts using $\frac{1}{2}$ " x 3" bolts, with $\frac{1}{2}$ " flat washers and a lock nuts. Torque all shock bolts to 40 ft/lbs. SEE PHOTO BELOW AND NEXT PAGE.





12. Repeat steps nine through eleven on the passenger's side of the truck. The passenger's side of the truck will use the 1/2" x 3 1/2" bolt and 1 7/8" frame sleeve on the front tube of the upper shock mount.

13. Reinstall the front tires and torque the lugs to factory specifications. The factory torque specifications can be found in your owners manual. Set the truck back onto the ground. **WHILE TURNING THE STEERING WHEEL FULLY IN EACH DIRECTION, MAKE SURE THERE IS AMPLE CLEARANCE BETWEEN THE WHEELS, TIRES, LINK ARMS, BRAKE LINES AND ABS WIRES.**
14. Check front-end alignment and set to factory specifications.

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 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.

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