



Installation Instructions

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**1 3/4" 1993-1998 JEEP ZJ 4WD
FTS24013BK**

Parts List

Qua	Part #	Description
1	FT50122	Complete Spacer Kit -- Bagged
2	-	Front Bump Stops
2	-	Rear Bump Stops
4	-	Coil Spacers
2	FT24013i	Instruction Sheet
1	FTAS12	Fabtech Sticker
1	FTAS16	Driver Warning
1	FTREGCARD	Reg. Card

DO NOT ALTER THE FINISH OF THESE COMPONENTS, EXAMPLE- CHROMING, ZINC PLATING OR PAINTING. CHANGING THE FINISH CAN CAUSE STRUCTURAL FATIGUE OF COMPONENTS.

SUSPENSION SYSTEM MUST BE INSTALLED WITH FABTECH SHOCK ASBORBERS

TOOL LIST: (NOT INCLUDED)

- **FLOOR JACK & JACK STANDS**
- **ASSORTED METRIC AND S.A.E SOCKETS, & WRENCHES**
- **TORQUE WRENCH**
- **EXTERNAL SPRING COMPRESSOR**

VEHICLES THAT WILL RECEIVE OVERSIZED TIRES SHOULD CHECK BALL JOINTS, TIE RODS ENDS AND IDLER ARM EVERY 2500-5000 MILES FOR WEAR AND REPLACE AS NEEDED

THIS KIT IS DESIGNED TO BE INSTALL ON A JEEP WITH STOCK AXELS & STOCK TRANSFER CASE & STOCK SUSPENSION

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED, SEVERE FRAME, DRIVELINE AND / OR SUSPENSION DAMAGE MAY RESULT.

NOTE- PRIOR TO THE INSTALLATION OF THIS SUSPENSION SYSTEM A FRONT END ALIGNMENT MUST BE PERFORMED AND RECORDED. DO NOT INSTALL THIS SYSTEM IF THE VEHICLE ALIGNMENT IS NOT WITHIN FACTORY SPECIFICATIONS. CHECK FOR FRAME AND SUSPENSION DAMAGE PRIOR TO INSTALLATION. THIS SUSPENSION SYSTEM DOES NOT REQUIRE WELDING FOR INSTALLATION. DO NOT WELD ANY OF THESE COMPONENTS.

FRONT SUSPENSION INSTRUCTIONS:

1. Disconnect the negative terminal on the battery. With the Jeep on level ground set the emergency brake and block the rear tires. Jack up the front end of the truck and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the front tires. Support the front axle with a floor jack just enough so that axle does not hang freely.
2. Working from both sides of the Jeep, remove the front lower track bar bolt and save. Pull track bar free from the factory mount.
3. Remove the sway bar end links from the sway bar and save along with hardware.
4. Remove the front shocks and discard. Save the factory lower shock hardware, discard the upper hardware.
5. Remove the front lower spring clips and save. Using an external coil spring compressor, compress the coil springs and remove. **EXERCISE EXTREME CAUTION WHEN WORKING WITH COIL SPRINGS UNDER LOAD!**
6. Remove the front bump stops and discard.
7. Remove bump stop cups and save along with hardware. Leave the factory coil isolator install on the Jeep.
8. Working from the driver side of the truck, locate the supplied front coil spring spacer. Slide the factory coil isolator onto the factory bump stop mount then install then the coil spacer followed by the factory bump stop cup using the factory hardware. SEE PHOTO BELOW.



9. Install supplied front bump stop by pressing it in the factory cup. SEE PHOTO IN NEXT COLUMN.



10. Reinstall the front coil spring using an external spring compressor. Remove the coil spring compressor and install the original lower coil spring clip and the bottom of the coil. **EXERCISE EXTREME CAUTION WHEN WORKING WITH COIL SPRINGS UNDER LOAD!**
11. Locate the factory ABS line on the frame and reposition as shown in photo below.



12. Repeat steps eight through eleven on the passenger side of the truck.
13. Locate the new Fabtech front shocks FT7170 (not included in kit) and install using factory lower hardware and the supplied upper hardware from shock kit.
14. Reattach the sway bar end links to the sway bar using the original hardware. **THIS MAY NEED TO BE DONE WHEN THE TRUCK IS BACK ON THE GROUND.**
15. Reinstall front track bar in the factory position using factory hardware. **THIS MAY NEED TO BE DONE WHEN THE TRUCK IS BACK ON THE GROUND.**
16. Install front tires and wheels. Torque the lug nuts to wheels to the manufacturers specifications.

REAR SUSPENSION INSTRUCTIONS:

17. Jack up the rear end of the vehicle and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the rear tires. Support the rear axle with a floor jack just enough so that axle does not hang freely.
18. Working on both sides of the truck and supporting the rear differential with a jack remove and discard the rear shocks and save shock hardware. Use care not to over extend the brake hose.
19. Remove spring clips from the coil mount on the axle and save.
20. Using an external coil spring compressor, compress the coil springs and remove them from the truck. **EXERCISE EXTREME CAUTION WHEN WORKING WITH COIL SPRINGS UNDER LOAD!**
21. Remove factory bump stops and discard.
22. Locate the supplied bump stop and install into the factory position by pressing it into original mount.



23. Install the new supplied coil spring spacer to the upper factory coil spring mount. SEE PHOTO BELOW.



24. Using an external coil spring compressor, reinstall the factory coil spring in the Jeep. **EXERCISE EXTREME CAUTION WHEN WORKING WITH COIL SPRINGS UNDER LOAD!**



25. Reinstall the factory lower coil spring retainer clip using the factory hardware.
26. Locate the new Fabtech shocks FTS7231 (not included in kit). Install on to the truck using factory hardware.
27. Install the rear tires and wheels and torque the lug nuts to the wheel manufacturers specifications.
28. Turn the front tires left to right and check for appropriate tire clearance to the truck and brake lines.
29. Recheck all nuts and bolts for proper torque tightness before driving. Drive the truck for 50 miles and have it aligned to factory specifications. Re-adjust headlights.

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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