



INSTALLATION INSTRUCTIONS

FTS51007 88-98 GM K1500 4WD Multiple Frt. Shock System

FTS51007 PARTS LIST-

1	FT20148BK	Upper Hoop Drv.
1	FT20149BK	Upper Hoop Pass.
1	FT20151BK	Lower Shock Mount Pass.
1	FT20150BK	Lower Shock Mount Drv.
1	FT20124	Frame Bung
1	FT20179	Hardware Kit
1	FT51007i	Instruction Sheet
1	FTREGCARD	Registration Card
1	FTAS12	Sticker

FT20179 HARDWARE LIST-

4	1/4"-20 x1" Bolt
4	1/4"-20 Nylok Nut
8	1/4" SAE Flat Washer
4	5/16"-18 x1" Bolt
2	5/16"-18 x1 1/4" Bolt
14	5/16"-18 Nylok Nut
28	5/16" SAE Flat Washer
2	12mm- 1.75mm x 30mm Bolt
2	12mm Flat Washer
8	5/16"-18 x2" Bolt
4	1/2"-13 x 6" Bolt
4	1/2"-13 Nylok Nut
16	1/2" SAE Flat Washer

SHOCKS REQUIRED- (NOT INCLUDED)

4- Fabtech FTS7052 Shocks

TOOL LIST- (NOT INCLUDED)

Assorted Metric & SAE Sockets & Wrenches,
Torque Wrench.
Drill With Assorted Bites.

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. CHECK FOR FRAME AND SUSPENSION DAMAGE PRIOR TO INSTALLTION. THIS KIT DOES NOT REQUIRE WELDING FOR INSTALLATION. DO NOT WELD ANY OF THESE COMPONENTS. THE INSTALLATION OF THIS KIT SHOULD BE PERFORMED BY A PROFESSIONAL MECHANIC.

NOTE: THIS SHOCK SYSTEM IS ONLY COMPATABLE WITH A VEHICLE WITH A FABTECH SUSPENSION SYSTEM OR STOCK SUSPENSION

INSTALLATION-

1. Disconnect the negative terminal on the battery. With the vehicle on level ground, set the parking brake and block the rear tires. Jack up the front of the vehicle and support the under the frame with jack stands. Remove tires and wheels.

2. Working from the driver side of the vehicle, locate and remove the steering box bolt on the outside of the frame rail closest to the upper control arm, save bolt. See Photo Below.



3. Locate and remove the nut and washer that is installed in the rear, stock lower control arm pivot bolt. Do not remove the bolt, only the nut and washer.

4. Locate the factory brake line tab on top of the forward upper control arm pocket, remove and discard hardware.

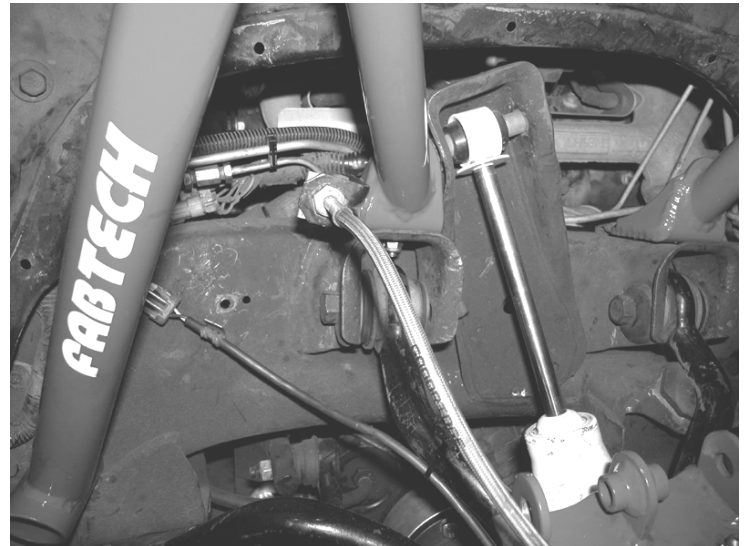
5. Locate the driverside upper shock hoop FT20148 and place the rear leg of the shock hoop over the crossmember bolt where the nut and washer were previously removed, using original hardware start nut and washer, leave loose. Attach the front leg of the shock hoop to the frame using the factory steering box bolt, leave loose.

6. Pushing on the top of the hoop, mate the upper mounting tabs to the top of the upper control arm pockets. Using the supplied $\frac{1}{4}$ " x 1" bolts, nuts, and washers attach the rear holes on the shock hoop control arm pocket mounts to the upper control arm pockets, leave loose. Now using the supplied $\frac{5}{16}$ " x 1" bolts, nuts, and washers attach the outer holes on the shock hoop control arm pocket mounts to the upper control arm pockets. Torque all bolts to 25LBS. SEE PHOTO IN NEXT COLUMN.



7. Tighten the steering box bolt to 90 LBS and the lower control arm rear bolt to 125 LBS.

8. Locate the factory brake line bracket previously removed. Using the supplied $\frac{5}{16}$ " x 1 $\frac{1}{4}$ " bolt, nut, and washers attach the factory tab to the dual shock hoop. SEE PHOTO BELOW



9. Using a floor jack, jack up on the lower control arm to relieve pressure on the upper ball joint. Remove the nut attaching the upper ball joint to the knuckle. Using a large hammer strike the spindle to release the ball joint free from the steering knuckle. **Note: Use care not to hit the threads on the ball joint.** Pull the ball joint free from the knuckle.

10. Using a drill, drill all the rivets out attaching the upper ball joint to the upper control arm. **Note: Some models have three rivets and a bolt, and some models four rivets. On either model remove all hardware attaching the ball joint to the arm.**

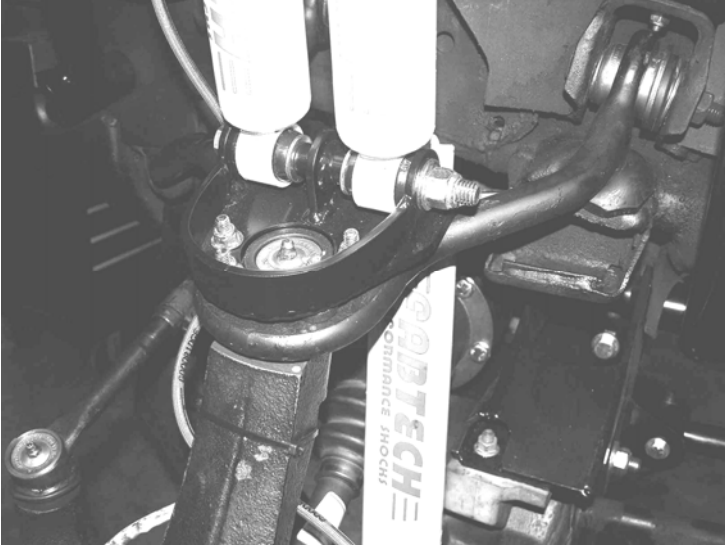
11. Locate the new Fabtech lower shock mount FT20150. Place the lower shock mount on top of the upper control arm, aligning with the four holes in the ball joint. Using the supplied $\frac{5}{16}$ " x 2" bolts, nuts, and washers attach the mount to the upper control arm and ball joint. **Note: If attaching the brake line to the ball joint mount, as required in the Fabtech 6"**

suspension system, do so at this time. Torque to 18 ft. lbs. See Photo Below.



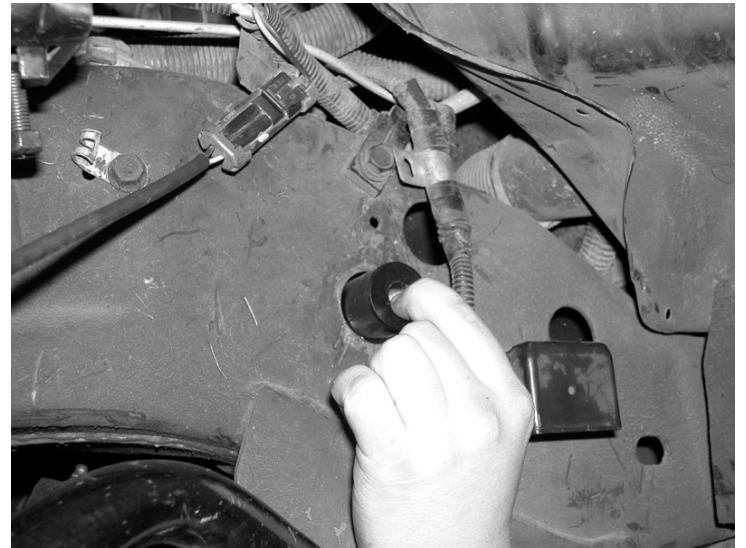
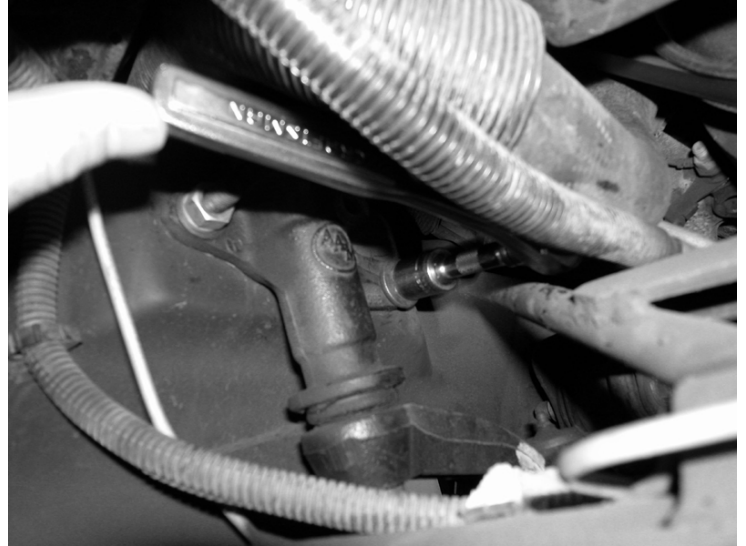
12. Reinstall the upper ball joint into the steering knuckle using the factory castle nut. Torque ball joint to the knuckle using the factory hardware - 1990 and earlier to 94lbs, 1991 to 70lbs, 1992 to 84 and 1993 and later to 94LBS.

13. Locate and install Fabtech shocks FTS7052 (not included in kit) using the supplied $\frac{1}{2}$ " x 6" bolts, nuts, and washers install the shocks with the body of the shock connected to the control arm mount. Note the positioning of the washers for the shock mounting in the picture below. Torque to 35 ft. lbs.



14. Repeat same procedure for passenger side. Except step 2, do the following step in place of step 2. Remove the factory

upper idler arm mounting bolt and discard. Locate the frame insert FT20124, install into the frame from the outside, and attach to the frame from the inside of the frame through the idler arm using the supplied 12mm-1.75mm x 30mm bolt and washer, torque to 70 ft. lbs. Use the other supplied 12mm-1.75mm x 30mm bolt to attach the dual shock hoop to the frame. See Photos Below. Follow all other steps the same as the driverside.



15. Check the front-end alignment and set to the 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.

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.