



Installation Instructions

FTS51010 Multiple Frt. Shock System

2001 - 2006 GM C/K2500HD w/ 6" System

2007 - 2008 GM K2500HD w/ 6" System

2003 – 2008 Hummer H2

	FTS51010BK	K2500HD MULTI SHOCK KIT
Qty	Part #	Description
1	FT20084	Hardware
1	FT20340BK	Upper Control Arm Driver
1	FT20341BK	Upper Control Arm Pass.
1	FT20543BK	Driver Hoop
1	FT20544BK	Pass Hoop
1	FT20396	Hdwr Sub-Assembly Kit
1	FT90118	Bushing Kit
2	FT20155	Upper Ball Joint

	FT90118	BUSHING KIT
Qty	Part #	Description
4	FTS1001	A-Arm Bushings
4	FT1002	UCA Bushing
4	FT1500-6-101	Sleeve Yellow Zinc
1	FTLUBE	Urethane Lube 1 Packet

	FT20396	Hdwr Sub-Assembly Kit
Qty	Part #	Description
2	50000005081	Washer 1/2 SAE G8
2	56000005052	9/16" SAE Flat Washer
1	56180003052	9/16"-18 Nylock
1	56183501052	9/16"-18 x 3 1/2" Bolt
1	FT101	Passenger Frame Sleeve
8	FT402087	Shock Sleeve
4	FT84	Grease Fitting 1/4"-28
1	FT90032	Hardware Kit, Ball Joint
2	FTS88	Low-pro Bumpstops
2	FT51010i	Instruction Sheet

TOOL LIST: (NOT INCLUDED)

- FLOOR JACK & JACK STANDS
- ASSORTED METRIC AND S.A.E SOCKETS, WRENCHES
- TORQUE WRENCH
- RATCHET OR PULL STRAPS

SHOCKS REQUIRED- (NOT INCLUDED)

- 4- Fabtech FTS7052 Performance Shocks
- 4- Fabtech FTS80051 Dirt Logic 2.25 Shocks

READ BEFORE BEGINNING INSTALLATION

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

DUAL SHOCK SYSTEM MUST BE INSTALLED WITH FABTECH SHOCK ASBORBERS

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

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

NOTE- 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.

THIS SYSTEM IS DESIGNED TO FIT FOUR (4wd) WHEEL DRIVE TRUCKS FROM 2007 – 2008 & TWO (2WD) & FOUR (4WD) TRUCKS FROM 2001 - 2006.

SUSPENSION SYSTEM WILL NOT WORK ON VEHICLES EQUIPPED WITH FACTORY AUTO RIDE SUSPENSION

FRONT SUSPENSION INSTRUCTIONS:

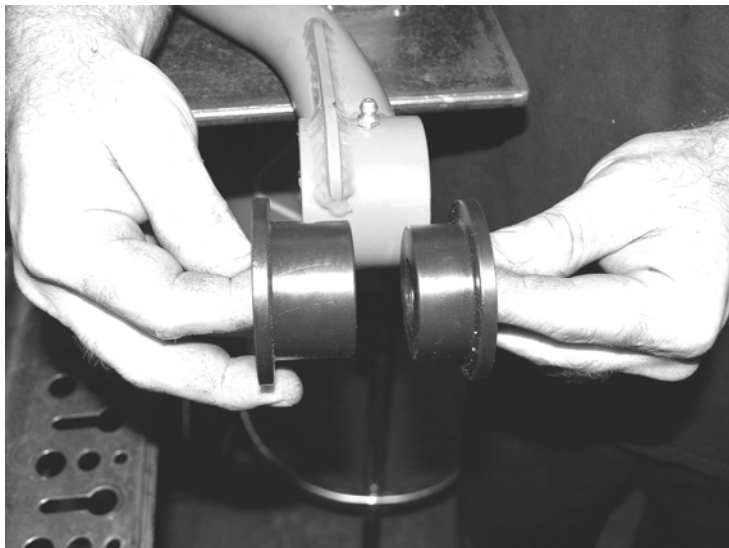
1. Disconnect the negative terminal on the battery. With the vehicle on level ground set the emergency brake and block the rear tires. Jack up the front end of the truck and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the front tires.
2. Working from the driver' side, remove the upper ball joint nut. Disconnect the upper ball joint from the steering knuckle using a ball joint removal tool. Use care not to damage the ball joint or boot when removing. Use a ratchet or pull strap to support the knuckle.
3. Disconnect the ABS line and brake hose from the upper control arm. Remove and discard the entire upper control arm from the frame pocket. Retain the bushing hardware and eccentric cam hardware for reinstallation of new arm.

Locate the driver side upper control arm FT20101. Attach the ball joint FT20155 on the bottom of the new control arm using 5/16" x 1-1/4" bolts, nuts and washers from hardware kit FT20121. Attach with the bolt head down and the nuts up using thread-locking compound. Torque to 25lbs. Lube ball joint through zerk fittings.

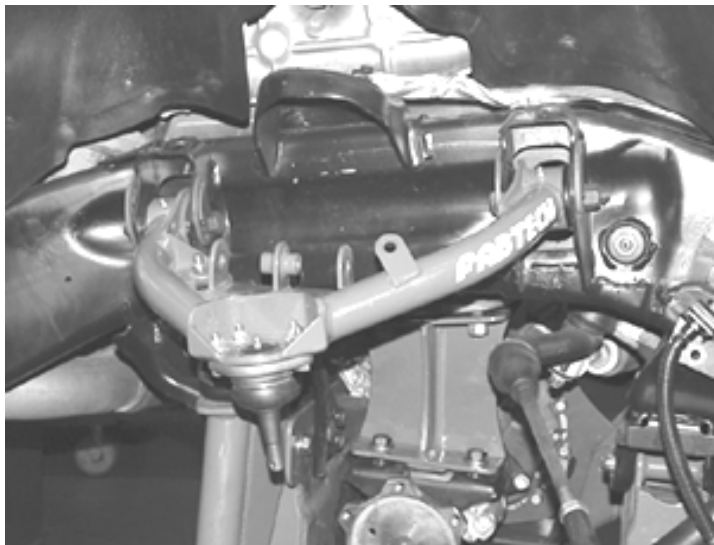
4. Install the bushings and sleeves into the new upper control arm using the provided lube assembly. Carefully thread in the provided zerk fittings into the new arms. Locate FTS88 Bumpstops and install to the rear side of the upper control

arms and torque to 5 lbs. SEE PHOTOS IN NEXT COLUMN AND NEXT PAGE.



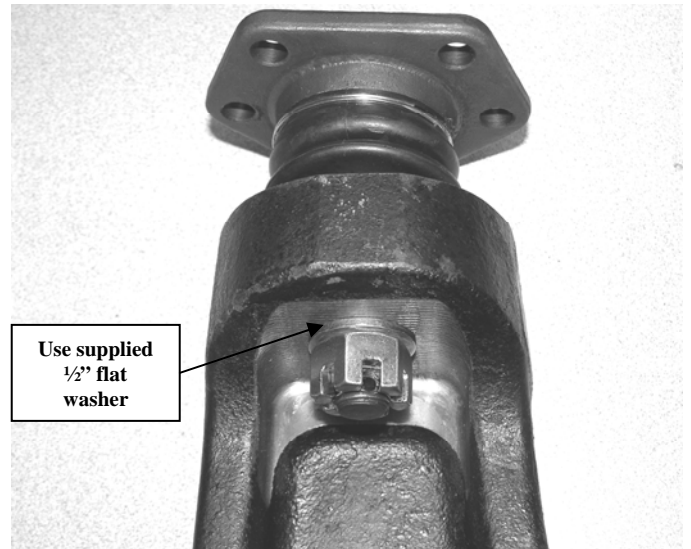


5. Place the upper control arm into the factory upper frame pockets and attach using the stock hardware. Set eccentric cams in the center position of the slots. Leave loose SEE PHOTO BELOW.



6. Attach the steering knuckle to the upper control arm using the provided 1/2" SAE Flat Washer over the new ball joint

threaded stud between the knuckle and the ball joint nut. SEE PHOTO IN NEXT COLUMN.



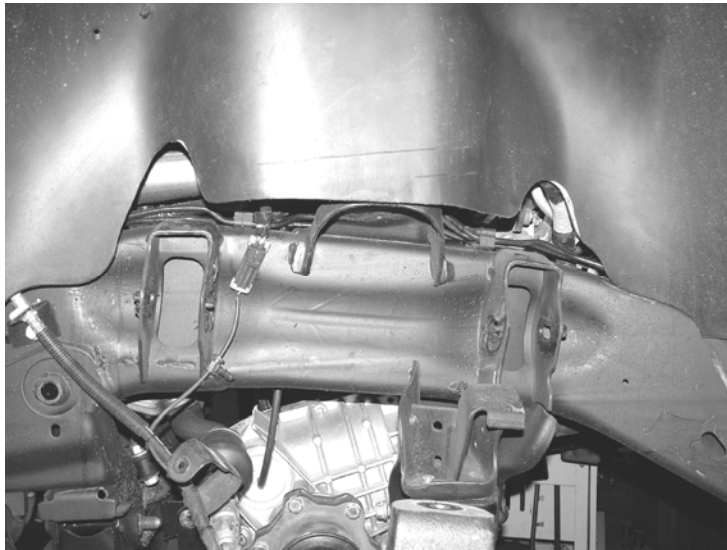
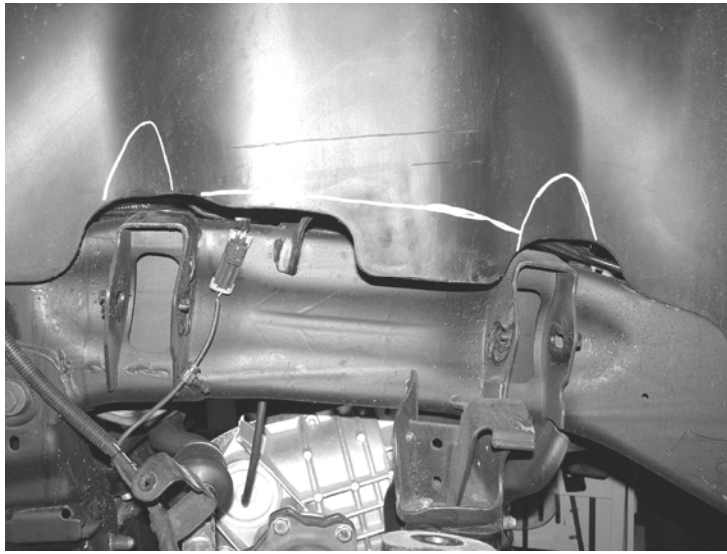
7. Torque the upper ball joint to 75LBS and install cotter key.
8. Check to make sure that the brake hose and ABS line is routed as to allow full turning radius to the steering without tire or suspension component contact. Use provided plastic tyraps to secure line and hose to the upper control arm and knuckle away from the tire and wheel. SEE PHOTOS BELOW.



9. Repeat steps two through eight on the passenger side of the truck.

FOLLOW STEP 11 FOR 2007 – 2008 MODEL TRUCKS

10. Use a paint pen and mark both of the plastic inner wheel liners as shown. Once marked, cut ONLY the liners. Use this as a starting point, you may have to trim a little more of the liner based on the truck and the original cut. SEE PHOTOS ON NEXT PAGE.

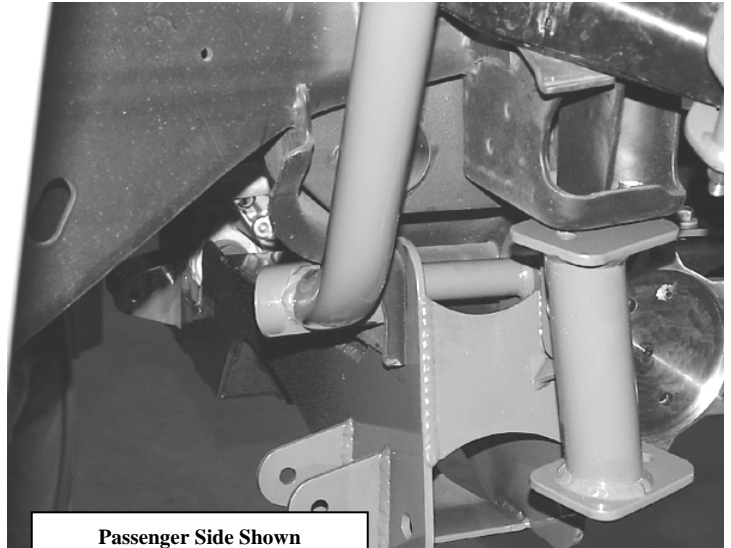


11. Working from the driver side of the vehicle, locate and remove the steering box bolt on the outside of the frame rail closest to the upper control arm. SEE PHOTO BELOW.



12. Locate and remove the nut and washer that retains the stock lower control arm pivot bolt towards the rear of the vehicle. Do not remove the bolt, only the nut and washer.

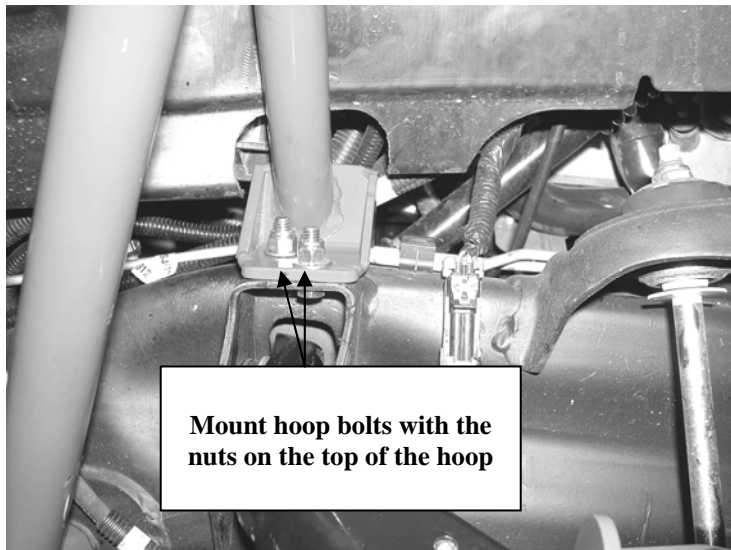
13. Locate FT20543BK driver side shock hoop and place the rear leg mount over the stock rear lower control arm bolt and attach with the stock nut and washer. SEE PHOTO BELOW



14. Place the front leg of the hoop over the steering box bolt hole and re-install the stock steering box bolt, nut, and washer. Torque the steering box bolt to 110lbs and the rear lower control arm bolt to 90 lbs. SEE PHOTO BELOW



15. Pushing on the top of the hoop, mate the upper mounting tabs to the top of the upper control arm pocket and center punch holes. Remove the hoop from the truck. Drill out to 3/8" diameter. Install 3/8" x 1-1/4" bolts, nuts and washers. Torque to 25 lbs. Drill out to 3/8" diameter. Re-install the hoop and install 3/8" x 1-1/4" bolts, nuts and washers. Torque to 25 lbs. SEE PHOTO ON NEXT PAGE



16. Locate and install Fabtech shock part number FTS7052, bushings, 1/2" x 6" bolts, nuts and washers. Torque bolt to 35LBS.
17. Proceed to the passenger and follow the same steps except on the front leg of the hoop. If you have a 4wd HD the hoop will attach to the factory differential bolt. If you have a 2wd HD or H2 Hummer you will need to drill a 1" hole through the frame and insert the supplied sleeve FT101 into the frame as shown in the next column. Use the shock hoop as a template to locate the position of the 1" hole. You will use the supplied 9/16" bolt, nut and washer to attach the front leg of the frame.



18. 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.

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