www.fabtechmotorsports.com

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1999-2005 CHEVROLET C1500
FTS1599-7 3” LIFT SPINDLES

PARTS LIST:

	FTS1599-7	Chevy 3" Lift Spindle 1999
Qty	**Part #**	**Description**
1	FT20418	Hdwr Sub-Assembly
1	FTS1599-7D	Chevy 3" Spindle Driver
1	FTS1599-7P	Chevy 3" Spindle Passenger

	FT20418	Hdwr Sub-Assembly Kit
Qty	**Part #**	**Description**
2	25000005052	Washer 1/4" SAE
2	25000005252	Washer 1/4" Split Lock
2	25200751052	Bolt 1/4"-20 X 3/4"
2	FT1599-7i	Instruction Sheet
1	FTAS12	Sticker
1	FTAS16	Warning sticker
1	FTLOCK	Thread Locking Compound
1	FTREGCARD	Reg. Card

TOOL LIST: (NOT INCLUDED)

FLOOR JACK
JACK STANDS
ASSORTED METRIC AND S.A.E SOCKETS, & ALLEN WRENCHES

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED, SEVERE FRAME OR UPPER CONTROL ARM DAMAGE MAY RESULT TO THE VEHICLE.

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.

OEM **WHEELS AND TIRES** CAN BE USED AFTER THE INSTALLATION OF THIS KIT. A LARGER TIRE CANNOT BE INSTALLED ON THE OEM WHEELS. WE RECOMMEND AFTER MARKET WHEELS WITH A MAXIMUM BACKSPACING OF 4 5/8”.

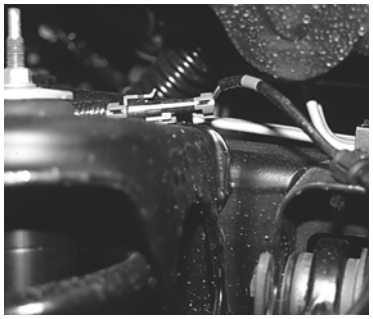
VEHICLES THAT WILL RECEIVE OVERSIZED TIRES SHOULD CHECK BALL JOINTS, TIE RODS ENDS AND IDLER ARM EVERY 2500-5000 MILES FOR WEAR AND REPLACE AS NEEDED

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

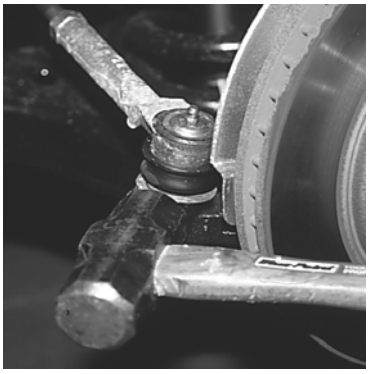
INSTRUCTIONS:

1. Disconnect the negative terminal on the battery. 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.

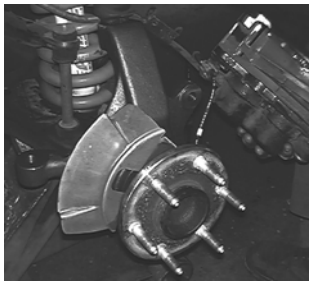
2. Starting on the passenger side of the truck, remove the bolt attaching the brake line tab to the spindle. Remove the two bolts securing the brake caliper bracket to the spindle, do not separate the brake caliper from the caliper bracket at this time, and tie it up and out of the way. **DO NOT LET THE CALIPER HANG BY THE BRAKE LINE!**

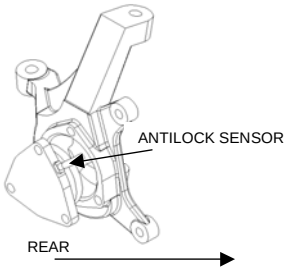


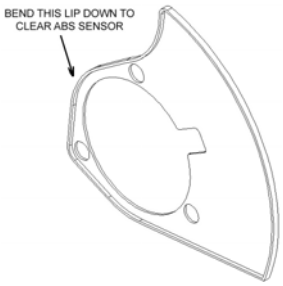
3. Follow the antilock brake sensor wire from the hub to the frame rail. Separate the wire from the upper control arm and separate the connector at the frame.



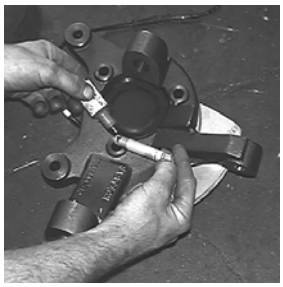
4. Remove the nuts securing the tie rod, upper and lower ball joints to the spindle. Separate all three joints from the spindle and remove the spindle from the control arms. Remove the three bolts securing the wheel bearing assembly to the spindle, noting the position of the hub and air deflector in the spindle for reassembly.



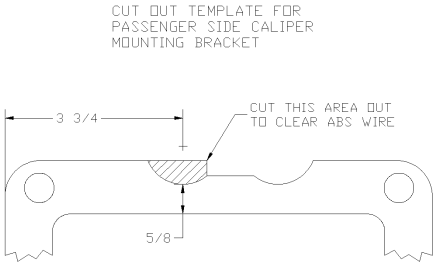


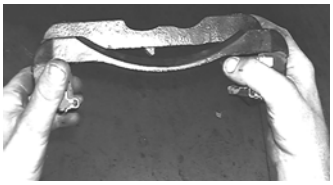


5. Take the spindle marked FTS1599-7P and set it onto the lower ball joint. Tighten the nut on the lower ball joint to 90 ft/lbs. Modify the air deflector as shown above and place it with the bearing/hub assembly in the lift spindle. Using the original position of the antilock sensor as a reference, rotate the bearing/hub assembly towards the rear of the truck 120° or one bolt hole, **DO NOT CHANGE THE POSITION OF THE AIR DEFLECTOR.** The sensor should be pointing towards the rear of the truck.

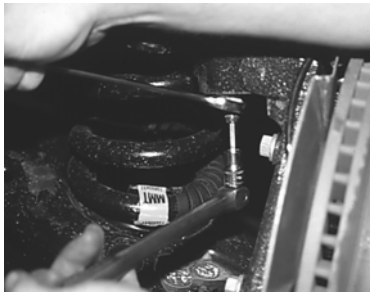


6. Apply several drops of the supplied thread locking compound to the three original spindle bolts and torque to 129 ft/lbs.

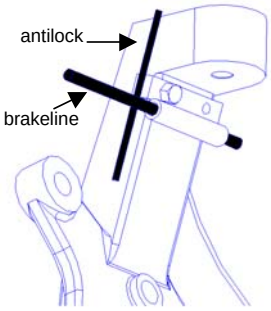




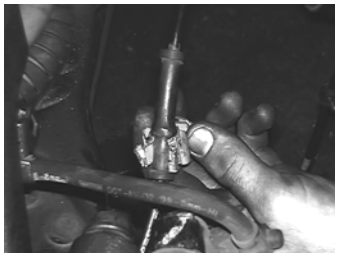
7. Disconnect the caliper from the caliper bracket. Place the caliper and bracket assembly onto the lift spindle. **ON THE PASSENGER SIDE ONLY, YOU WILL HAVE TO CLEARANCE THE CALIPER BRACKET AS SHOWN ABOVE. A FULL SIZE TEMPLATE CAN BE FOUND ON THE LAST PAGE.** Reassemble the caliper to the bracket.



8. Apply several drops of the supplied thread locking compound to the two original bolts and torque to 129 ft/lbs. With the brake line routed behind the spindle, place the spindle onto the upper ball joint and torque the nut to 37 ft/lbs., you may need to hold the ball joint shaft with a wrench. Install the tie rod end into the steering knuckle and torque the nut to 46 ft/lbs.



9. Locate the brake line tab onto the two holes on the backside of the spindle. Using the supplied ¼" bolt and lock washer, place one drop of the supplied thread locking compound on the threads and attach the brake line tab to the spindle. Be sure the locating tab is positioned in the adjacent hole. Torque the bolt to 5 ft/lbs.



BEFORE

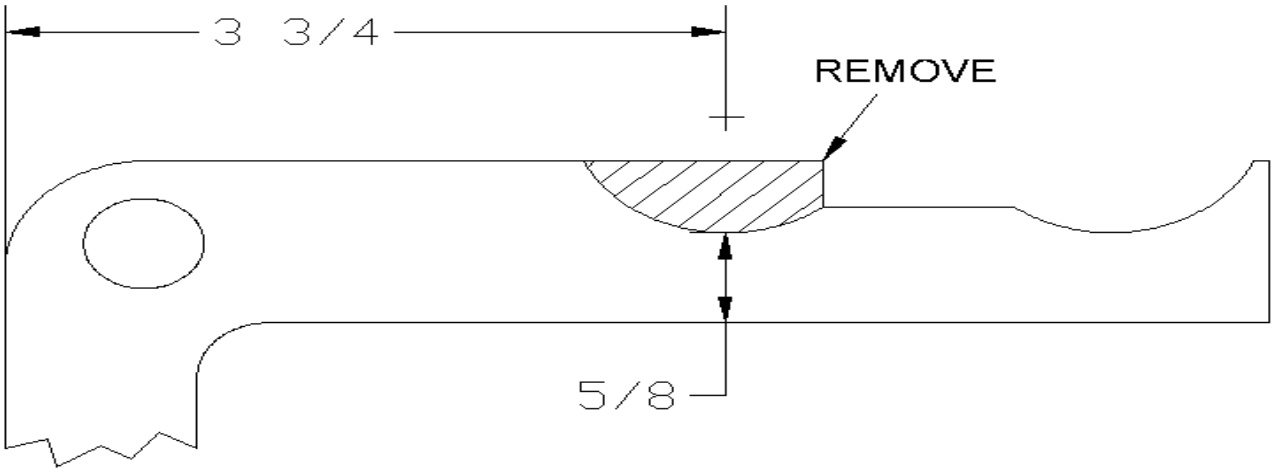
AFTER

10. Reattach the antilock sensor wire to the brake line tab, moving the clip to the lower portion of the wire insulator for more slack between the spindle and the frame. Also reconnect the antilock sensor wire to the upper control arm and frame connector. Install the caliper to the caliper bracket. Torque the guide pin bolts to 80 ft-lbs.

11. Repeat steps two through seven on the driver side of the truck.

12. Reinstall the front tires and torque the wheel lugs to factory specifications, located in the owners manual. Set the truck back on the ground. **WHILE TURNING THE STEERING WHEEL FULLY IN EACH DIRECTION, MAKE SURE THERE IS AMPLE CLEARANCE BETWEEN THE WHEELS, TIRES, CONTROL ARMS, BRAKE LINES AND ABS WIRES.**

13. Check front-end alignment and set 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 and driveshafts. 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.

Dirt Logic and Performance Coilover 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, powder coating, 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 on the website, but due to unknown auto manufacturer's production changes and/or inconstancies 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 website 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 is not responsible for premature wear of factory components due to the installation of oversized tires and wheels.

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 on our website. 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.

Depending on the condition of the factory suspension components retained after the installation of a Fabtech suspension not all vehicles may have the same ride stance front to rear as described in the website. The blue color of suspension components shown in all Fabtech photographs are for display purposes only. Majority of all Fabtech components will be black specifically where noted with part numbers ending in BK.

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. Some state laws may prohibit modification of suspension to a vehicle in whole or in part. It is the responsibility of the installer and consumer to consult local laws prior to the installation of any Fabtech suspension product to comply with such written laws.

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 super cede, 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 website or price sheet. For the most recent Product Warranty and Warnings visit our website www.fabtechmotorsports.com