

## INSTALLATION INSTRUCTIONS

| FTS24241 JEEP GLADIATOR 3" SHOCK EXT KIT |           |                             |
|------------------------------------------|-----------|-----------------------------|
| 1                                        | FT50582   | SHOCK EXT (FRONT DRIVER)    |
| 1                                        | FT50583   | SHOCK EXT (FRONT PASSENGER) |
| 2                                        | FT20673BK | SHOCK EXT (REAR)            |
|                                          |           |                             |
| FT50763 HARDWARE SUBASSEMBLY             |           |                             |
| 2                                        | FT83105   | NUT TAB                     |
| 1                                        | FT50764   | HARDWARE KIT                |
| 1                                        | FT24241i  | INSTRUCTIONS                |

| FT50590- HARDWARE KIT |                          | LOCATION          |
|-----------------------|--------------------------|-------------------|
| 2                     | 1/2-13 X 2-3/4" HEX BOLT | FRONT SHOCK EXT   |
| 4                     | 1/2" SAE WASHER          |                   |
| 2                     | 1/2-13 C-LOCK NUT        |                   |
| 2                     | 3/8-16 X 1-1/4" HEX BOLT | FRONT SHOCK EXT   |
| 2                     | 3/8" SAE WASHER          |                   |
| 2                     | M14-2.0 X 85MM HEX BOLT  | REAR SHOCK SPACER |
| 6                     | M14 FLAT WASHER          |                   |
| 2                     | M14-2.0 C-LOCK           |                   |
| 1                     | THREAD LOCKING COMPOUND  |                   |

## 2020-2023 JEEP GLADIATOR 4WD 3" SHOCK EXTENSION KIT

**FTS24241**

**NOTE:** TO ORDER WEARABLE REPLACEMENT COMPONENTS DO NOT USE PART NUMBERS SHOWN ON THIS INSTRUCTION SHEET. GO TO FABTECH WEBSITE AND LOOK UP WEARABLE REPLACEMENT PARTS TO FIND THE PROPER PART NUMBER TO ORDER.

**Fabtech Motorsports** | 2213 Industrial Park Rd. Lancaster, SC 29720

**Tech Line:** 909-597-7800 | **Web:** [www.fabtechmotorsports.com](http://www.fabtechmotorsports.com)

## - TOOL LIST -

### **Required Tools (Not Included)**

Basic Hand Tools  
Floor Jack  
Jack Stands  
Assorted Metric and S.A.E sockets, and Allen wrenches  
Torque Wrench  
Drill w/ assorted drill bits

### **FOOTNOTES -**

- Fits gas models only.

## - PRE-INSTALLATION NOTES -

For technical assistance call: **909-597-7800** or e-mail: **info@fabtechmotorsports.com**

### **READ THIS BEFORE YOU BEGIN INSTALLATION -**

Check all parts to the parts list above before beginning installation. If any parts are missing contact Fabtech at 909-597-7800 and a replacement part will be sent to you immediately.

Read all instructions thoroughly from start to finish before beginning the installation. If these instructions are not properly followed severe frame, driveline and / or suspension damage may occur.

Check your local city and state laws prior to the installation of this system for legality. Do not install if not legal in your area.

Prior to the installation of this suspension system perform a front end alignment and record. Do not install this system if the vehicle alignment is not within factory specifications. Check for frame and suspension damage prior to installation.

The installation of this suspension system should be performed by two professional mechanics.

This suspension must be installed with Fabtech shock absorbers.

Installation of all fasteners requires the use of provided thread locking compound with proper torque values as indicated throughout the installation. Apply thread locking compound upon the final torque of the fastener.

**WARNING-** Installation of this system will alter the center of gravity of the vehicle and may increase roll over as compared to stock.

Vehicles that receive oversized tires should check ball joints, uniballs, tie rods ends, pitman arm and idler arm every 2500-5000 miles for wear and replace as needed.

Verify differential fluid is at manufactures recommended level prior to kit installation. Installation of the kit will reposition the differential and the fill plug hole may be in a different position. (For example, if the manufacture recommends 3 quarts of fluid, make sure the diff has 3 quarts of fluid). Check your specific manual for correct amount of fluid.

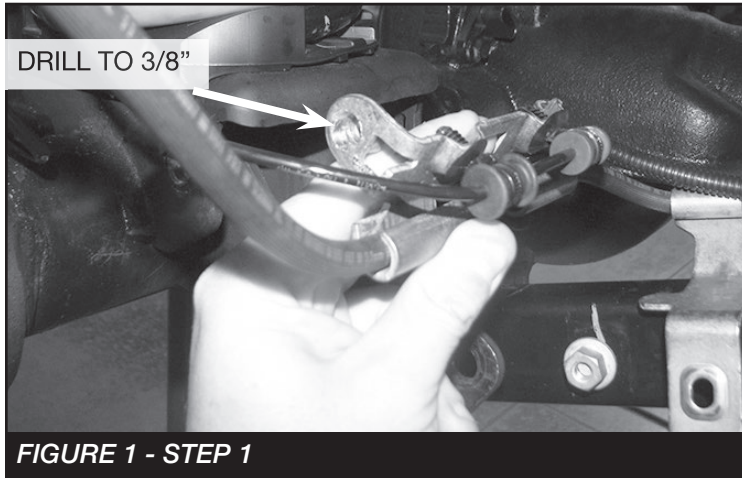
#### **NOTICE SPRING BOW MAY OCCUR**

Some Jeeps may have a pronounced bow in the stock front coil springs and /or after the installation of Fabtech coil springs. This is an inherent trait of the Jeep JL & JT front suspension. Many Jeeps come from the factory with bowed front springs while other Jeeps do not have a bow. There is a variance in the angles of the upper coil spring bucket and the lower coil spring axle mount. Depending on these variances it may cause springs to bow. Fabtech offers a coil correction kit as an option to help straighten the front coil springs should there be interference with other suspension parts as it cycles. Order FTS24280 Coil Correction Kit.

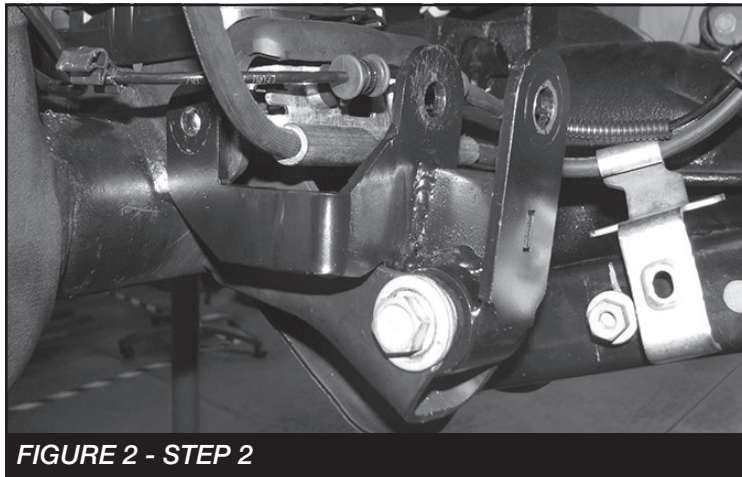
## - INSTRUCTIONS -

### FRONT SUSPENSION

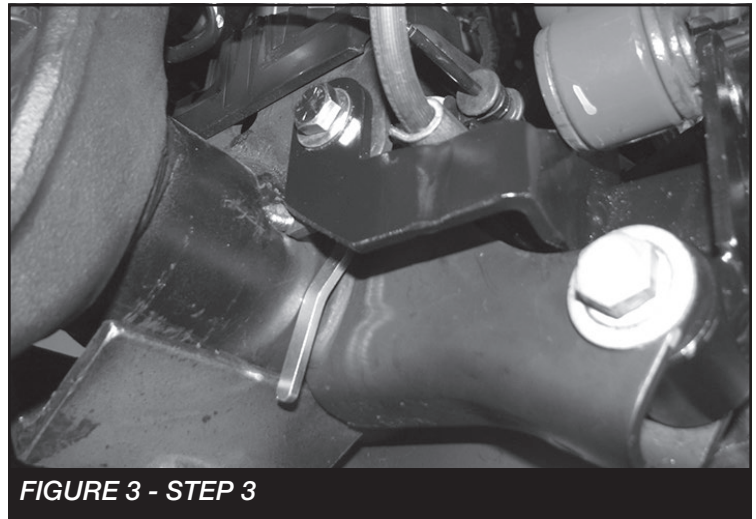
1. Using a drill and 3/8" drill bit, drill the nut out on the lower brake line bracket that mounts to the lower coil spring perch then drill out the hole on the lower spring perch where the brake line mounts. **SEE FIGURE 1**



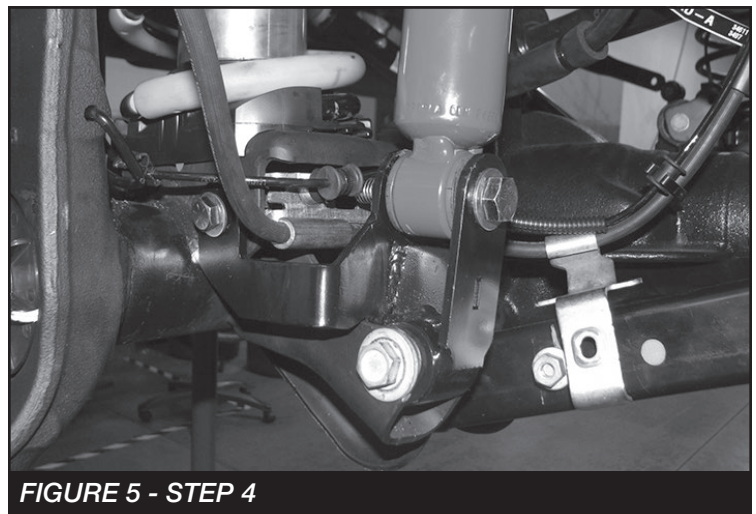
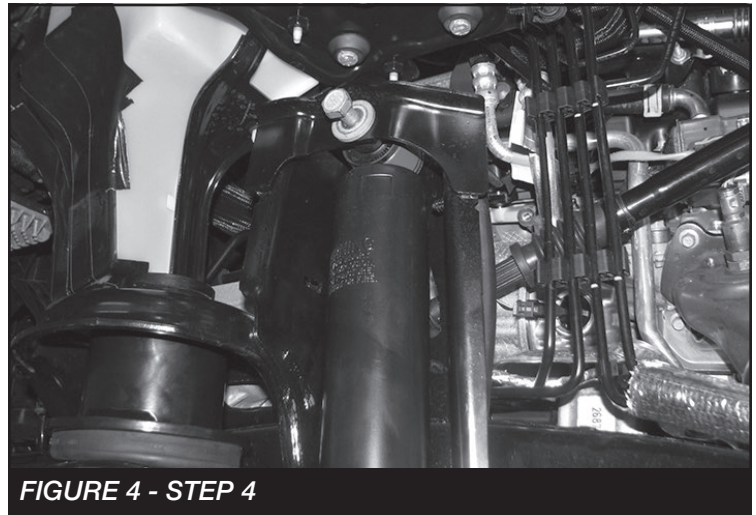
2. Install FT50582 (Driver Front Shock Ext) into the factory lower shock mount using the factory hardware. **SEE FIGURE 2**



3. Reinstall the lower brake line bracket using the supplied 3/8" x 1-1/4" bolt, washer and FT83105 (Nut tab). Install the hardware through the new lower shock extension bracket and the nut tab on the back side. Torque factory hardware to 100 ft-lbs. and 3/8" 52 ft-lbs. **SEE FIGURE 3. Repeat steps on passenger side.**



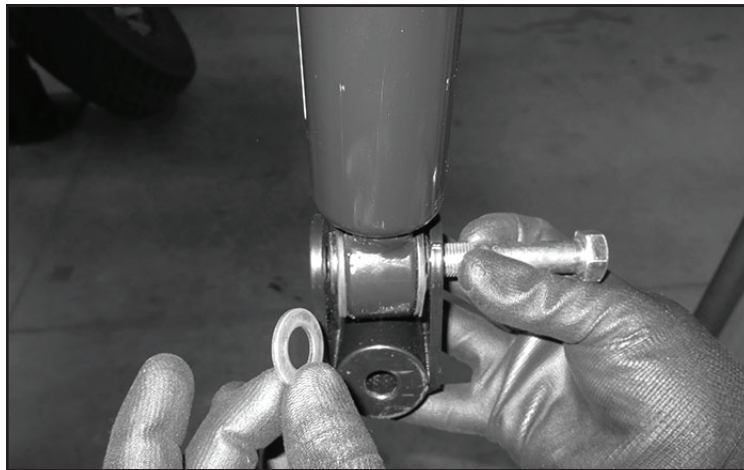
4. Install the factory shock using the factory hardware for the upper mount and the supplied 1/2" x 2-3/4" hardware for the lower mount. Torque factory hardware to 100 ft-lbs and 1/2" to 127 ft-lbs. **SEE FIGURE 4-5**



## **- REAR SUSPENSION -**

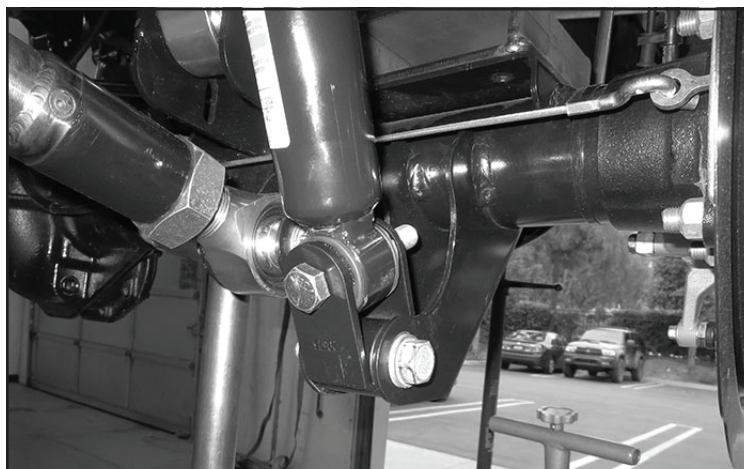
5. Install FT20673BK (Shock Bracket) onto the lower end of the factory shock using the supplied M14 hardware.

**NOTE: Use the extra washer to fill the gap in the bracket.** Torque to 103 ft-lbs. Then, rotate the shock 90 degrees. **SEE FIGURE 6**



**FIGURE 6 - STEP 5**

6. Install the new bracket to the axle mount using the factory hardware. Torque to 103 ft-lbs. Repeat on the opposite side. **SEE FIGURE 7**



**FIGURE 7 - STEP 6**

7. Continue with the installation of the rest of components.
8. Install Driver Warning Decal. Complete product registration card and mail to Fabtech in order to receive future safety and technical bulletins on this suspension.

**Vehicles that will receive oversized tires should check ball joints, uniballs and all steering components every 2500-5000 miles for wear and replace as required.**

**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 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 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](http://www.fabtechmotorsports.com)