



## INSTALLATION INSTRUCTIONS

FTS26099		TOYOTA 4RUNNER C/O W/RESI KIT
2	FT70249	RESI BRACKET
1	FT820702D	2.5DLSS C/O RESI DRIVER
1	FT820702P	2.5DLSS C/O RESI PASSENGER
1	FT82055i	INSTRUCTIONS
1	FT86091	HARDWARE KIT
1	FT86098	HARDWARE KIT 98

FT86098		HARDWARE KIT
2	FT83102	LOWER MISALIGNMENT SPACER (LARGE)
2	FT83103	LOWER MISALIGNMENT SPACER (SMALL)
2	FT833121	UPPER COILOVER MOUNT
4	FT83313	SPACER
1	FTAS12	STICKER FT BLUE
1	FTAS16	DRIVER WARNING DECAL
1	FTREGCARD	REGISTRATION CARD

## 2010-2022 TOYOTA 4-RUNNER 3" COILOVER KIT W/RESI FTS26099

**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** | 4331 Eucalyptus Ave. Chino, CA 91710

**Tech Line:** 909-597-7800 | **Fax:** 909-597-7185 | **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
- Die Grinder w/ Cutoff Wheel or Sawzall
- Drill w/ Assorted Bits

## **- 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.

Use the provided thread locking compound on all hardware.

**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.

### ***FOOTNOTES -***

-

## - INSTRUCTIONS -

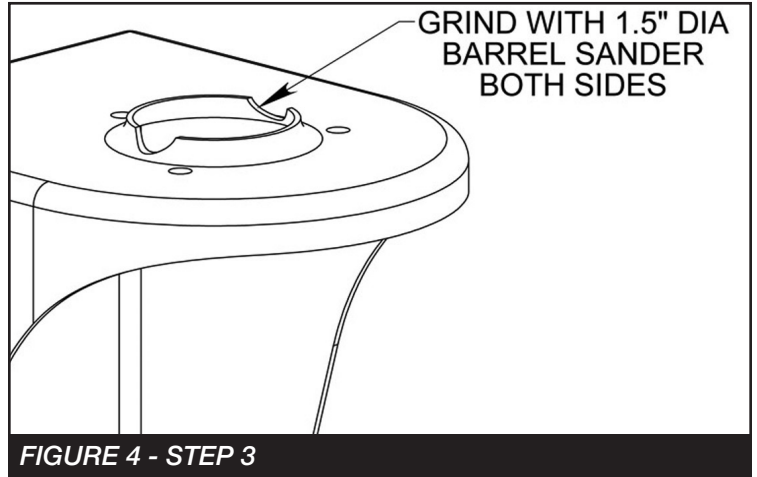
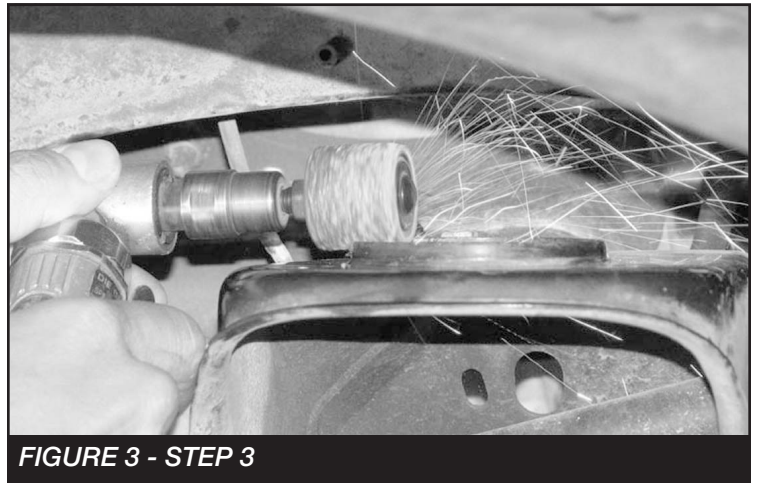
### FRONT SUSPENSION

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 and inner fender liners.
2. Support the lower A-Arm with a floor jack. Remove the three upper nuts from the top of the shock assembly then the lower bolt from the shock at the lower control arm. Save the hardware. **SEE FIGURES 1-2**



3. Using 1-1/2" Barrel sander, sand a small notch in the lip at the top of the bucket. The radius should be on both sides of the bucket parallel to the front of the bucket. This radius is to add clearance the shock pivot bolt.

**SEE FIGURES 3-4**



4. Locate FT833121 (upper mount) and supplied 3/8" hardware. Install upper mount inside the factory coilover bucket using the supplied 3/8" hardware and torque 37 FT-LBS. **SEE FIGURES 5-6**





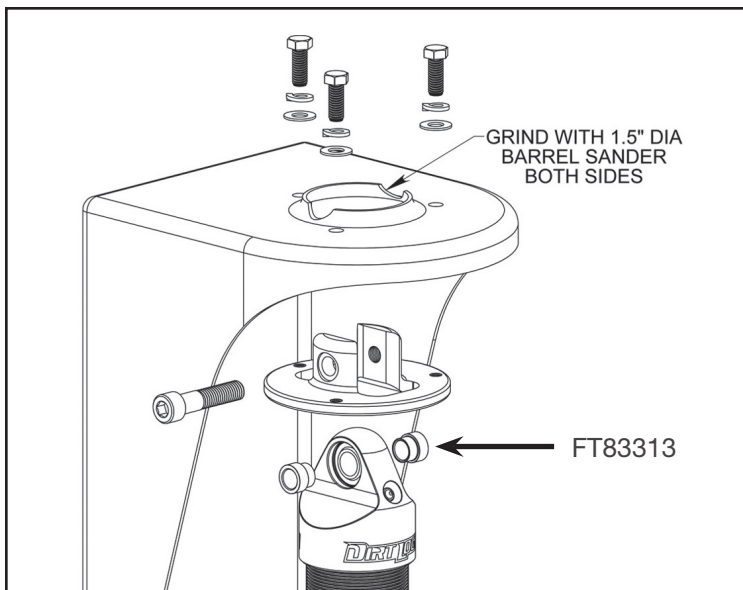


**FIGURE 6 - STEP 4**

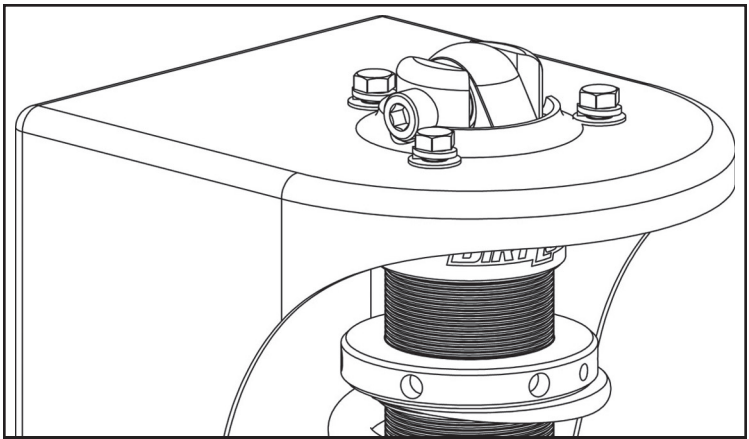
5. Install (2) FT83313 (Misalignment spacer) into the top bearing of the FT820552D (Driver Coilover), then install into upper mount using the 1/2-13 x 2-1/4 allen head bolt from the FT86091 hardware kit. Torque 90 FT-LBS. **SEE FIGURES 7-9**



**FIGURE 7 - STEP 5**

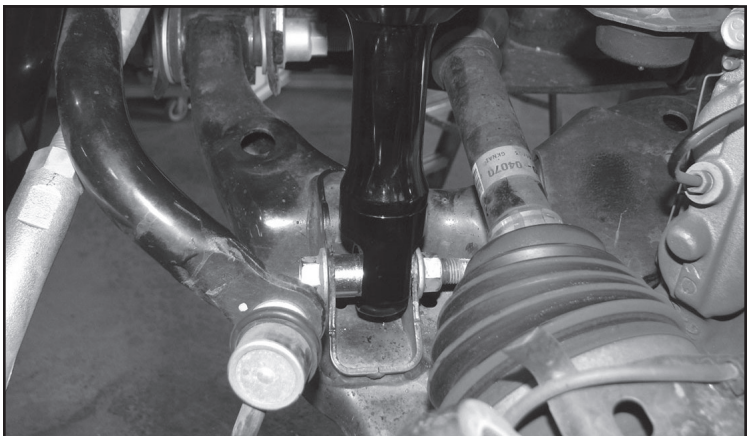


**FIGURE 8 - STEP 5**



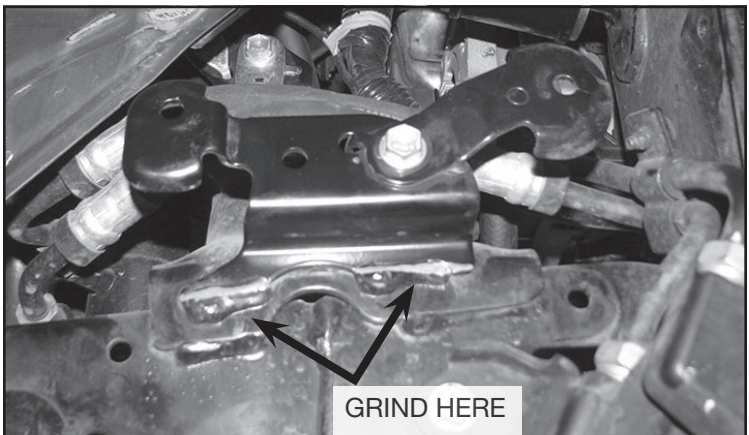
**FIGURE 9 - STEP 5**

6. Install the rod end at the bottom of the shock into the lower control arm with the larger misalignment toward the front of the vehicle and the smaller toward the rear. Reinstall the factory bolt into the lower mount. Torque 100 FT-LBS. **SEE FIGURE 10**



**FIGURE 10 - STEP 6**

7. **DRIVER SIDE-** Locate the inner fender liner mount on the frame. This will need to be removed. Using a die grinder, grind done the factory welds to remove. Next, sand down to a smooth finish and paint all bare areas. **SEE FIGURES 11-12**



**FIGURE 11 - STEP 7**



FIGURE 12 - STEP 7

8. Install the FT70249 (Resi mount) by removing the factory bolt on the frame and reinstalling it back in its original location. Use a 5/16" drill bit and drill the forward hole using the bracket as a template. Then install the supplied 5/16" self tapping bolt. Torque to 49 ft-lbs. **SEE FIGURE 13**



FIGURE 13 - STEP 8

9. Route the resi under the upper control arm and attach to the new bracket using the supplied clamps. **SEE FIGURE 14**



FIGURE 14 - STEP 9

10. **PASSENGER SIDE-** Place the FT70249 (Resi bracket) onto the frame so the bracket is flush up to the factory plastic grommet on the frame and is clear from the upper control arm. Mark the 2 holes to be drilled. Use a 5/16" drill bit to drill out the holes, then install the bracket to the frame using supplied 5/16" self tapping bolts. Torque to 49 ft-lbs. **SEE FIGURE 15**

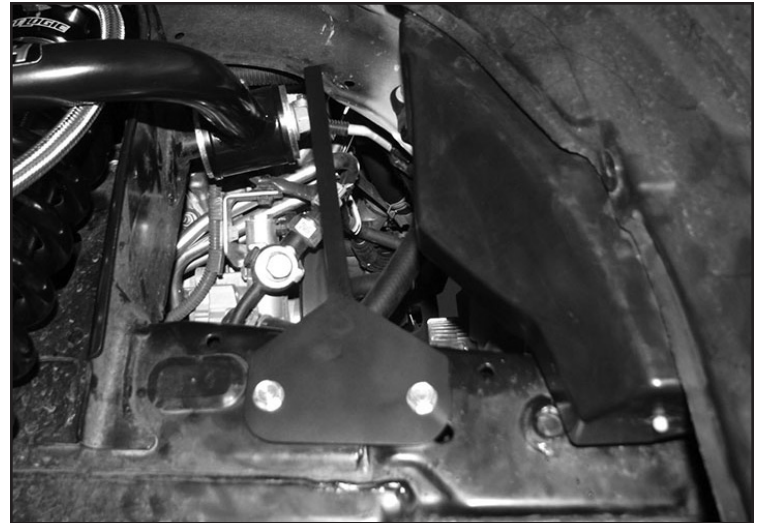


FIGURE 15 - STEP 10

11. Route the resi under the upper control arm and attach to the new bracket using the supplied clamps.
12. Install tires and wheels and torque lug nuts to wheel manufacturer's specifications. Turn front tires left to right and check for appropriate tire clearance. **Note - Some oversized tires may require trimming of the front bumper & valance.**
13. Check front end alignment and set to factory specifications. Readjust headlights.
14. Recheck all bolts for proper torque.
15. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.
16. 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.**

**RE-TORQUE 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)