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**FTS221162**

**Dirt Logic 2.25 (w/reservoir) Dual Steering Stabilizer  
System 2005 - 2017 Ford F250 & F350 4WD**

**PARTS LIST:**

<b>FTS221162 05-17 S/D Dual DL Stabilizer</b>		
<b>Qty</b>	<b>Part #</b>	<b>Description</b>
2	FT221162i	Instruction Sheet
1	FT30145BK	Axle Bracket
1	FT30311	Hdwr Sub-Assembly Kit
1	FT850032	Steering Stabilizer Driver
1	FT850092	Steering Stabilizer Pass

<b>FT30311 Hardware Sub-Assembly</b>		
<b>Qty</b>	<b>Part #</b>	<b>Description</b>
2	FT30148	Tie Rod Bracket
1	FT30221BK	Stabilizer Bracket
1	FT30222	Hardware Kit
1	FT58H	Axle U-bolt hardware
1	FT739U	Axle U-Bolt
4	FT740U	Tie Rod U-Bolt
1	FTAS12	Sticker
1	FTLOCK	Thread Locking Compound
1	FTREGCARD	Registration Card

**HARDWARE LIST:**

<b>Qty</b>	<b>Description</b>
8	3/8"-16 Nyloc Nut
8	3/8" SAE Flat Washer
2	1/2"-13 x 2" Hex Bolt
2	1/2" SAE Flat Washer
2	1/2"-13 x 3" Hex Bolt
2	1/2"-13 Nyloc Nut
4	1/2" SAE Flat Washer
2	9/16"-12 x 1 3/4" Hex Bolt
2	9/16"-12 Nylock Nut
4	9/16" SAE Flat Washer

**TOOL LIST:**

- Assorted Metric & Standard Wrenches
- Torque Wrench
- Measuring Tape
- Die Grinder With Cut-Off Wheel

**WARNING**

**READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION.**

**CHECK ALL PARTS INCLUDED IN THIS KIT TO THE PARTS LIST ABOVE BEFORE BEGINNING INSTALLATION OF THIS KIT. IF YOU ARE MISSING ANY PARTS, CONTACT FABTECH AT 909-597-7800.**

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

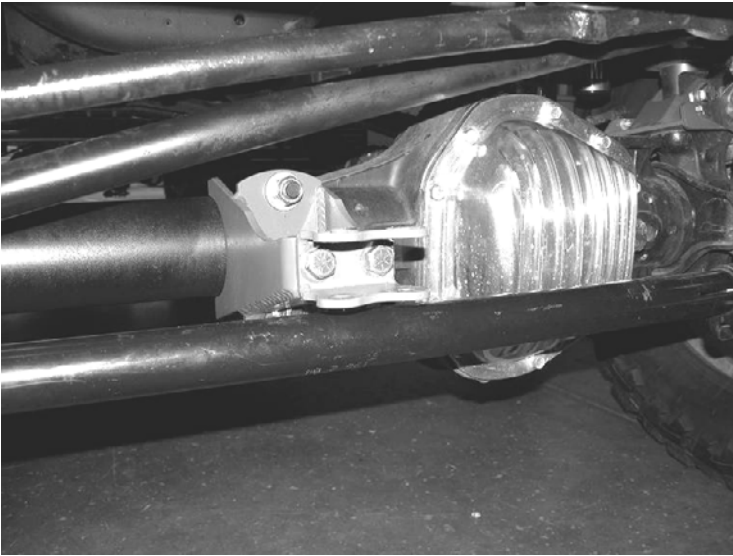
**THIS STABILIZER KIT WILL NOT WORK ON STOCK HEIGHT VEHICLES  
IT IS DESIGNED TO WORK ONLY ON VEHICLES WITH FABTECH LIFT SYSTEMS**

**THIS KIT REQUIRES THE REMOVAL OF THE FACTORY STABILIZER AND BRACKETRY. DO NOT RUN THE FACTORY STABILIZER WITH THIS SYSTEM.**

## INSTRUCTIONS:

1. Disconnect the negative battery terminal. Park the truck on level ground and set the emergency brake. Locate and remove any existing stabilizer(s), brackets, and hardware that are installed on the truck. Do not re-install a stabilizer in the factory position, as it will interfere with the new stabilizers. **NOTE: WHEN INSTALLING ON 2017 MODELS, LEAVE FACTORY STABILIZER INSTALLED**

2. Locate FT30145 axle bracket and FT30221 stabilizer bracket. Attach the stabilizer bracket to the two front holes on the axle bracket using the supplied 9/16" x 1 3/4" hardware and torque to 55 ft lbs. SEE PHOTO BELOW.



3. Place the assembled stabilizer bracket in the center of the axle positioning it straight forward. Use the supplied FT739U U-Bolt and hardware to attach the axle bracket to the axle. Leave loose at this time. Locate FT850032 (Driver) & FT850092 (Pass) Steering Stabilizer.

4. Working on the driver side of the truck, locate FT30148 Tie Rod End Bracket and position it 2" from the inside of the outer tie rod end. Use the FT740U U-Bolt and 3/8" hardware to attach the bracket to the tie rod end. Leave loose at this time.

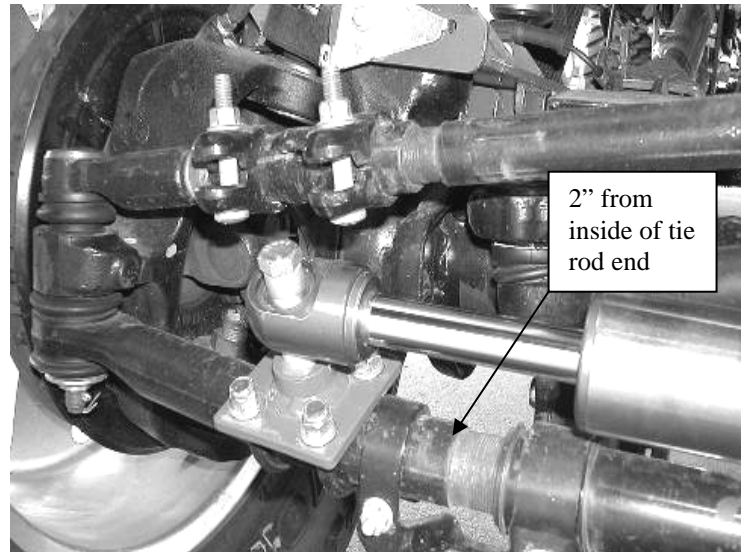
5. supplied shock half bushings and shock sleeves. Press two bushing halves into the body end of the Stabilizer. Press a sleeve into the bushings. Attach the stabilizer to the bracket on the axle with the reservoir line facing forward using the 1/2" x 3" hardware. Use a small amount of thread locking compound on the bolt and torque to 30 ft. lbs.

SEE PHOTO IN NEXT COLUMN



Picture Shown With Both Stabilizers Installed

6. Compress the Steering Stabilizer to expose 5 1/2" of the shaft, set the tie rod bracket to match and tighten the u-bolts to 30 ft. lbs. Attach the end of the stabilizer to the tie rod bracket using the supplied misalignment spacers and hardware. Use a small amount of thread locking compound on the nuts and torque to 35 ft. lbs. SEE PHOTO BELOW.



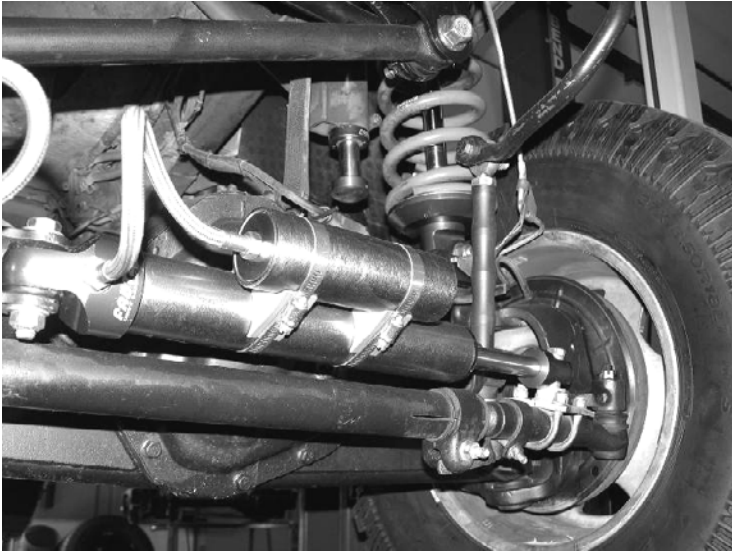
Picture Shown on Pass. Side of Truck.

7. Repeat Steps four through six on the passenger side of the truck.

8. Torque the axle bracket u-bolt to 80 ft lbs.

9. Use a die grinder with a cut off wheel to cut off the thread remaining on the axle bracket u-bolt flush with the c-nut.

10. Place the reservoirs in the supplied polyurethane saddles and attach to the stabilizer body with hose clamps. SEE PHOTO ON NEXT PAGE.



11. Steer the truck fully to the left and right to make sure the steering stabilizers are not bottoming out. Adjust the tie rod end bracket(s) as needed

12. Re-torque all the hardware after 200 miles.

**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.