INSTALLATION INSTRUCTIONS

	FTS22114	FORD F250 / F350 8” KIT
1	FT30240BK	SWAY BAR BRACKET (DRIVER)
1	FT30241BK	SWAY BAR BRACKET (PASSENGER)
1	FTS419	SHIM KIT
1	FT30356	HARDWARE SUBASSEMBLY
4	FT744U	U-BOLT
2	FTS42000	REAR LEAF SPRING

	FT30356	HARDWARE SUBASSEMBLY
4	37000005081	3/8” SAE WASHER
2	37160003052	3/8-16 NYLOCK NUT
2	37161001081	3/8-16 X 1” BOLT
4	50000005081	1/2” SAE WASHER
2	50130003052	1/2-13 NYLOCK NUT
2	50131501081	1/2-13 X 1-1/2” BOLT
1	FT58H	5/8” UBOLT HARDWARE
1	FT22114i	INSTRUCTIONS
1	FTAS12	STICKER FT BLUE 10X4
1	FTAS16	DRIVER WARNING DECAL
1	FTREGCARD	REGISTRATION CARD

2008-2016 FORD SUPERDUTY 4WD 8” LEAF SPRING REAR KIT F250/F350

FTS22114

Fabtech Motorsports | 4331 Eucalyptus Ave. Chino, CA 91710

Tech Line: 909-597-7800 | **Fax:** 909-597-7185 | **Web:** 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

- 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.

FOOTNOTES -

- VEHICLES EQUIPPED WITH A REAR SWAY BAR ORDER PART # FTS92033 (16” LINK) OR PART # FTS92034 (26” LINK)

- INSTRUCTIONS -

1. Disconnect the negative terminal on the battery. Jack up the rear end of the truck and support the frame rails with jack stands. Supporting the rear axle remove the wheels/ tires. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!**

2. Remove and discard the rear shocks. Save hardware.

3. Remove the u-bolts from the truck and discard. Lower the axle down slowly.

4. Remove the complete leaf spring pack from the truck. If your truck is equipped with a factory over load leaf on top of the factory leaf spring pack you will NOT be able to reuse it with this replacement leaf pack. Remove the upper u-bolt mounting plate and hanger from the factory spring, to install onto the new Fabtech spring. On (11-UP MODELS) the upper ubolt bracket will need to be removed from the spring. Drill out the center hole to 3/4" and installed on the new Fabtech spring pack. **NOTE: Use caution, make sure the leaf pack is clamped when loosening the centering bolt. SEE FIGURES 1-2.**

FIGURE 1 - STEP 4

FIGURE 2 - STEP 4

FIGURE 3 - STEP 4

5. Install the new leaf spring into the original spring location using the factory shackle and hanger bolts. Torque to the front and rear leaf mount hardware to 185 ft-lbs. Use the supplied u-bolts to secure the new leaf spring to the axle. **NOTE: The factory block will be reused in the factory location.** Torque the u-bolts to 179 ft-lbs. **SEE FIGURE 4**

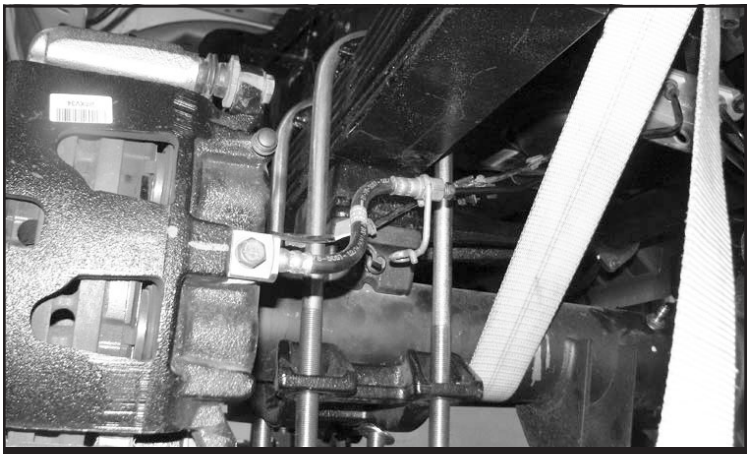

FIGURE 4 - STEP 5

6. (11-UP MODELS) Locate the factory brake line mount on the driver side of the axle. Remove the vent line from the bolt and remove the bolt. Save hardware. Locate the supplied brake line bracket FT30059 from the front box kit and attach the side with the sleeve to the axle using the factory hardware. Using the supplied 3/8” x 2” bolt, nut and washer, attach the brake line to the other end of the bracket. Reattach vent line. **SEE FIGURE 5**

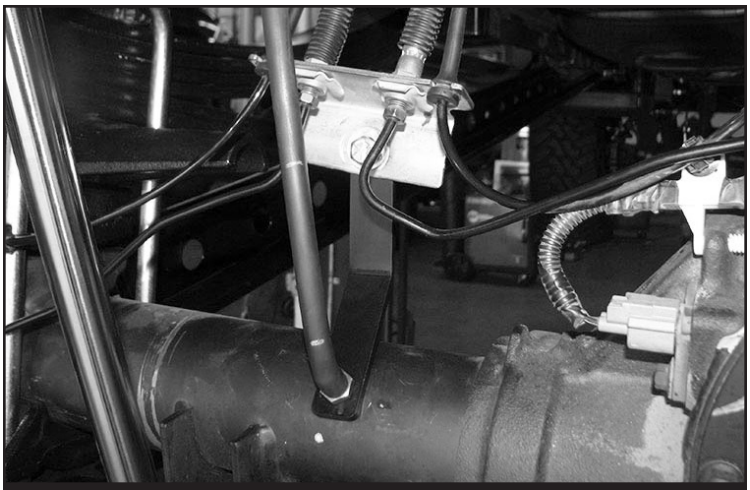

FIGURE 5 - STEP 6

7. Locate the FT30240BK (driver) and FT30241BK (pass) Rear Sway Bar Drop Brackets. Remove the factory sway bay endlinks from the frame and save the hardware. Place the drop bracket onto the frame so that the hole in the new bracket is directly above the factory hole (the longer end of the bracket goes upward and attaches to the frame). Use a paint pen or center punch to mark the center of the hole. Using a drill, drill the new hole into the frame starting with a smaller size bit and working up to the ½” size. Using a drill with a 3/8” bit, drill the bottom hole through the new bracket into the frame. Use the supplied 3/8” hardware and install the bolts through the bracket into the frame, torque to 30 ft. lbs. Install the end link into the bottom of the new drop bracket with the factory hardware and torque to 50 ft. lbs. **SEE FIGURE 6**

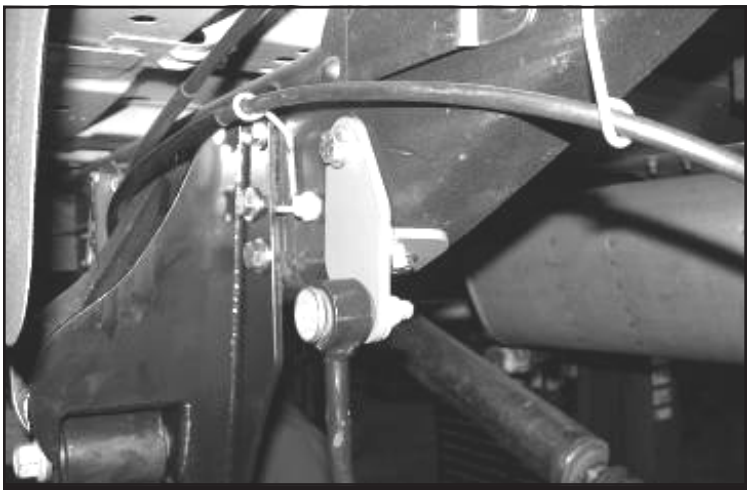

FIGURE 6 - STEP 7

8. Locate and install the rear shocks using the factory hardware.
9. Install FTS419 as per the instruction sheet enclosed in the FTS419 box.
10. 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.**
11. Check front end alignment and set to factory specifications. Readjust headlights.
12. Recheck all bolts for proper torque.
13. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.
14. Check the fluid in the front and rear differential and fill if needed with factory specification differential oil. **Note - some differentials may expel fluid after filling and driving. This can be normal in resetting the fluid level with the new position of the differential/s.**
15. 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 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