



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



- 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 -

READ THIS BEFORE YOU BEGIN INSTALLATION -

Check all parts to the parts list above before beginning installation.

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 u-bolt 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

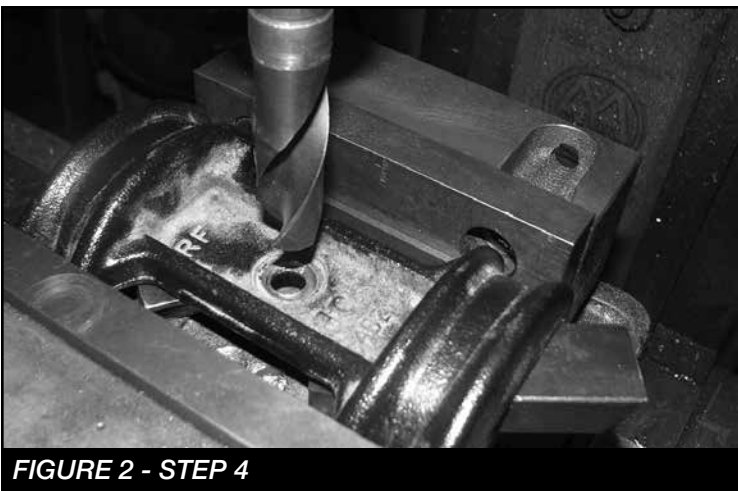


FIGURE 2 - STEP 4



FIGURE 3 - STEP 4

5. Install the new leaf spring into the original spring location using the factory shackle and hanger bolts. Torque to 148 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 for 11-UP) & (FIGURE 5 for 08-10).
- **NOTE: For 10" kits.** Locate FTBK2 (2" block) and position the new block on the axle with the factory block on top if it. Torque the U-bolts to 148 ft-lbs.

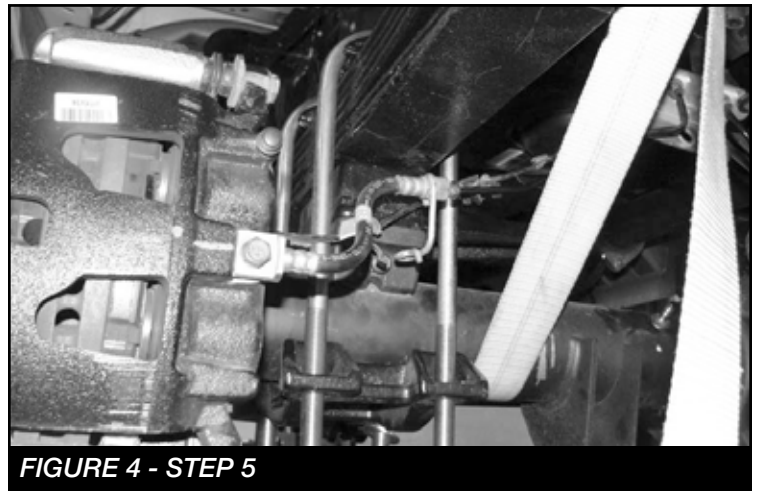


FIGURE 4 - STEP 5

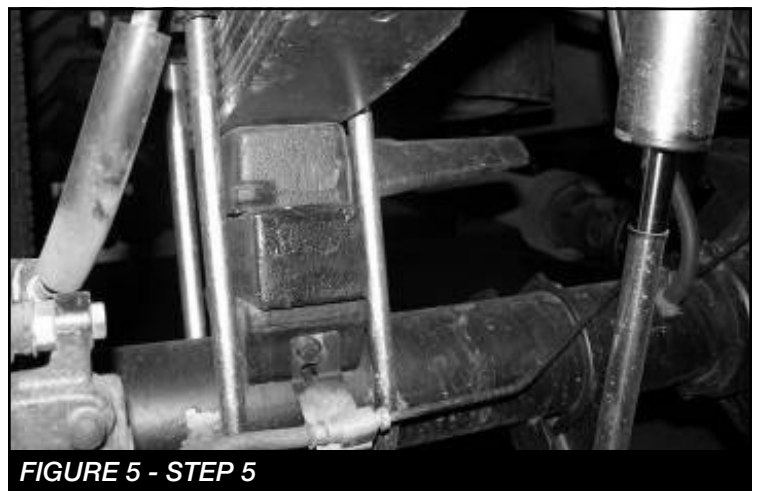


FIGURE 5 - STEP 5

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 6**

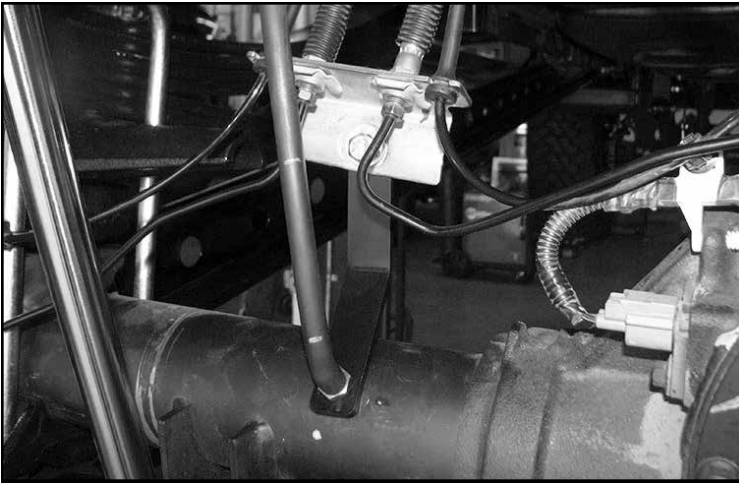


FIGURE 6 - STEP 6

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 1/2" 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 7**

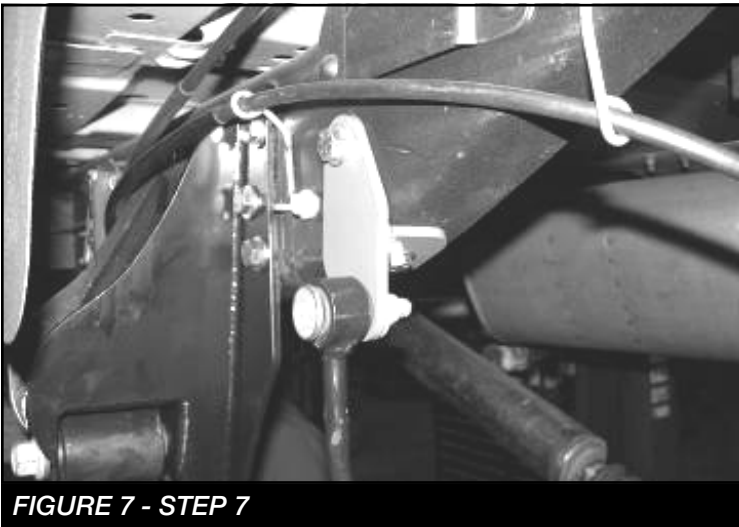


FIGURE 7 - STEP 7

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.

RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 50 MILES AND PERIODICALLY THEREAFTER.