



## INSTALLATION INSTRUCTIONS

<b>FTS24178</b>		<b>3" SPORT II BOX KIT</b>
1	FT50296BK	REAR TRACK BAR BRACKET
1	FT50438BK	REAR TRACK BAR SUPPORT BRACKET
2	FT50261BK	FRONT SWAY BAR END LINK
1	FT50523	HARDWARE SUBASSEMBLY
2	FT50492	FRONT BUMP STOP SPACER
2	FT50401BK	REAR BUMP STOP SPACER

<b>FT50523</b>		<b>HARDWARE SUBASSEMBLY</b>
1	FT157	SLEEVE 1.000 X .563 X 1.570
2	FT741U	UBOLT RD 1/2-20 X 3.56 X 4.25"
1	FT50048	SWAY BAR END LINK BUSHINGS
1	FT50089	SWAY BAR END LINK SLEEVES
2	FT50060	FRONT BUMP STOP NUT TAB
2	FT70016	FRONT BRAKE LINE DROP BRACKET
2	FT50295	REAR BRAKE LINE DROP BRACKET
1	FT50298	E-BRAKE BRACKET
1	FT50297	JK ALIGNMENT CAM KIT
1	FT50519	HARDWARE KIT
1	FT24178i	INSTRUCTIONS
1	FTLUBE	URETHANE LUBE PACKET
1	FTAS12	STICKER FT BLUE 10X4
1	FTAS16	DRIVER WARNING DECAL
1	FTREGCARD	REGISTRATION CARD

<b>FT50515 - HARDWARE KIT</b>		<b>LOCATION</b>
2	9/16-12 X 3-1/4 HEX BOLT G8 ZC	REAR TRACK BAR
2	C-LOCK NUT 9/16"-12 CLEAR ZINC	
4	9/16 SAE WASHER G8 ZINC	
2	1/2-13 X 3-3/4 HEX BOLT G8 ZINC	FRONT BUMP STOP
8	1/2-20 C-LOCK NUT ZINC	
12	1/2 SAE WASHER G8 ZINC	
2	1/2-13 X 2-3/4 HEX BOLT G8 ZNC	SWAY BAR END LINKS
2	3/8-16 X 1 HEX BOLT G8 ZINC	REAR TRACK BAR
2	3/8-16 C-LOCK NUT ZINC	
4	3/8 SAE WASHER G8 ZINC	
4	5/16-18 X 1 HEX BOLT G8 ZINC	REAR BUMP STOP
4	5/16-18 C-LOCK NUT ZINC	
8	5/16 SAE WASHER G8 ZINC	
6	1/4-20 X 3/4 HEX BOLT G5 ZINC	BRAKE LINES
6	1/4-20 C-LOCK NUT ZINC	
12	1/4 SAE WASHER G5 ZINC	
4	CLAMP 3/8X1/2W .26THK NEOPRENE	
4	BRAKE LINE SPRING	
4	1/2" TEK SCREW	
1	THREAD LOCKING COMPOUND	

## 2007-17 JEEP WRANGLER (JK) 3" SPORT II BOX KIT

FT24178i



## **- 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

***NOTE: REFER TO OPTIONAL KIT BOX INSTRUCTIONS PRIOR TO INSTALLATION.***

## **- 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.

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.

# - 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.
2. Refer to coil spring instructions for disassembly of end links, coil springs and other components.
3. Place the new FT50492 (Front bumpstop) onto the factory bumpstop pad. Using a center punch mark for drilling. **SEE FIGURE 1**

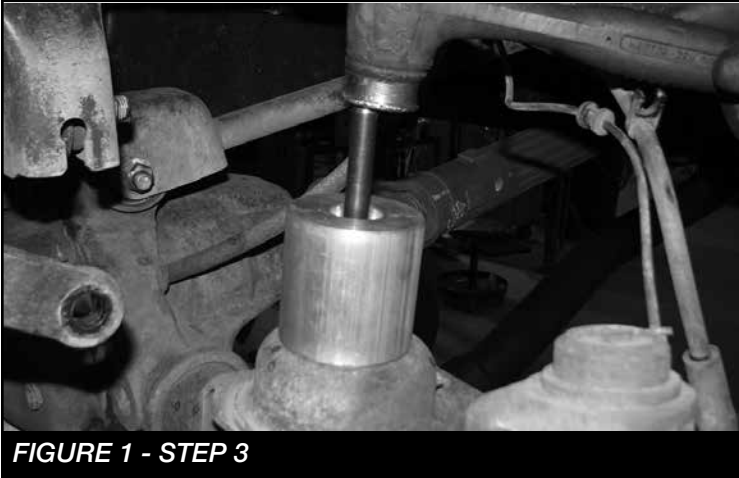


FIGURE 1 - STEP 3

4. Drill out the bumpstop pad to 1/2". **SEE FIGURE 2**



FIGURE 2 - STEP 4

5. Repeat steps 3-4 on passenger side.
6. Install the new coils and bumpstops together using the supplied 1/2-13 X 3-3/4" bolts and FT50060 (Nut Tab). **SEE FIGURES 3-5** Torque to 127 ft-lbs



FIGURE 3 - STEP 6

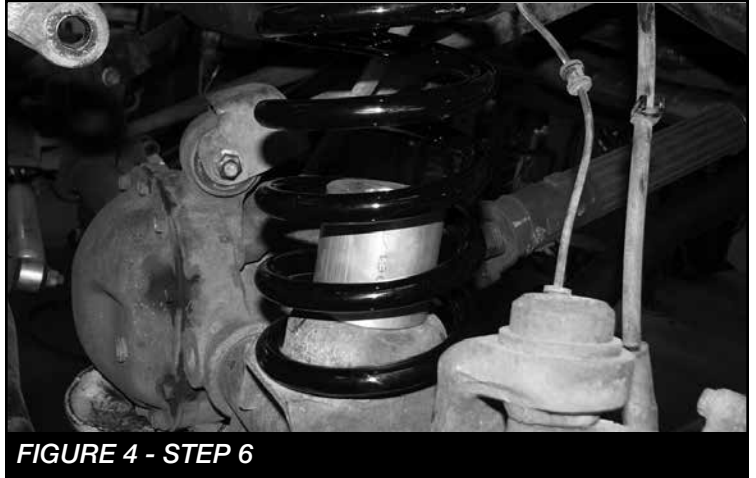


FIGURE 4 - STEP 6



FIGURE 5 - STEP 6

7. Install the bushings and sleeve into the new Fabtech sway bar endlinks. Install using the supplied 1/2-20 X 2-3/4" bolt and hardware for the upper mount and the factory hardware for the lower mount. Torque to 127 ft-lbs **SEE FIGURE 6**

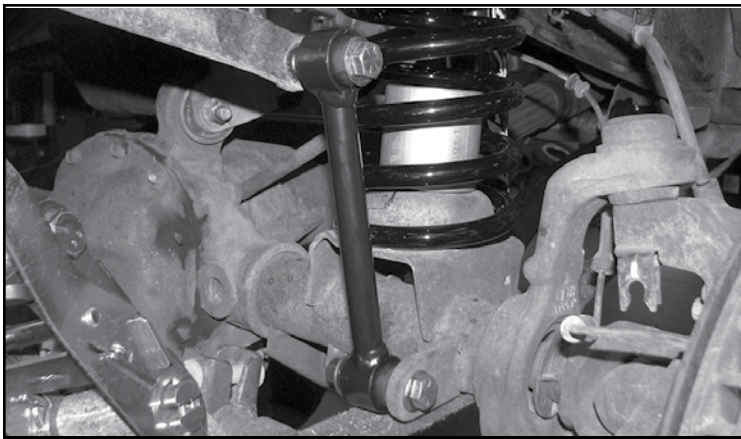


FIGURE 6 - STEP 7

8. Install the new front brake line brackets (FT70016) using the factory bolt to attach the bracket to the frame and the supplied 1/4" hardware to attach the brake line to the new bracket. Torque to 14 ft-lbs

### REAR SUSPENSION

9. Locate FT50296BK (Rear Trac Bar Bracket), position it onto the top of the axle and trac bar mount. Use the factory bolt to align the new bracket to the original mount. Use a punch and mark the factory mount through the two holes in the new bracket. Use a drill with a 3/8" bit and drill the two new holes. Locate and install the supplied 3/8" hardware. Torque to 52 ft-lbs **SEE FIGURES 7-10**



FIGURE 7 - STEP 8

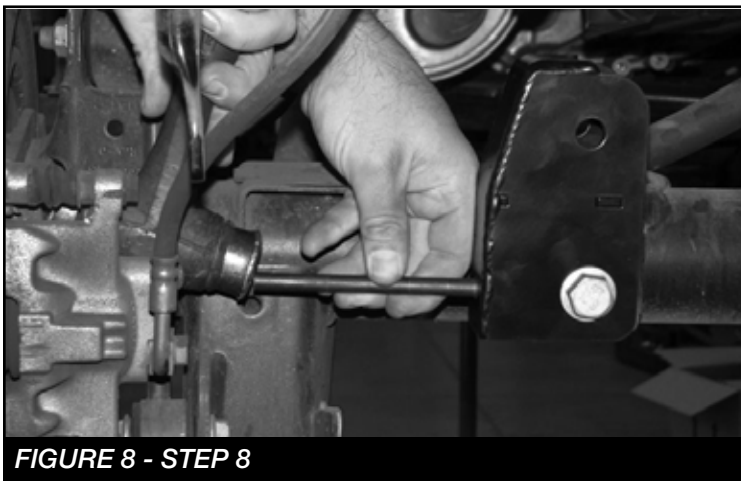


FIGURE 8 - STEP 8

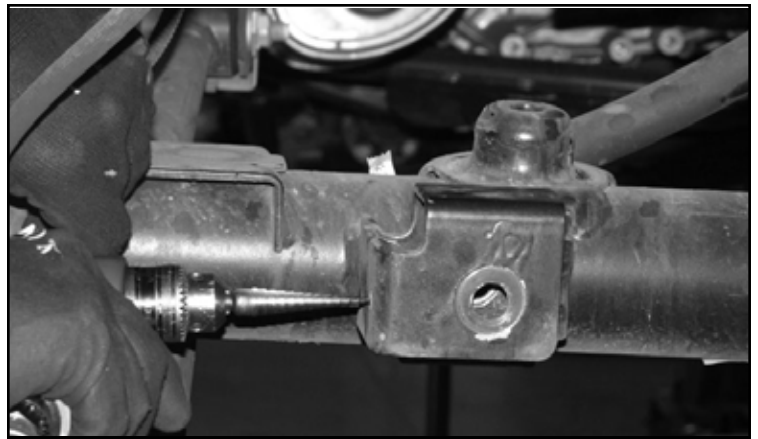


FIGURE 9 - STEP 8

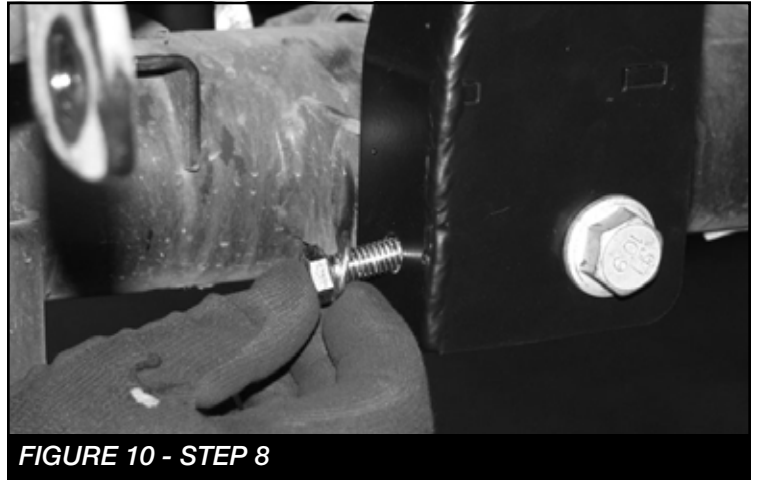


FIGURE 10 - STEP 8

10. Install FT50438BK (Rear Track Bar Support) using the supplied (2) 9/16-12 X 3-1/4" bolts and hardware. Leave loose. **NOTE: Install the lower bolt first using the FT157 sleeve. SEE FIGURE 11**

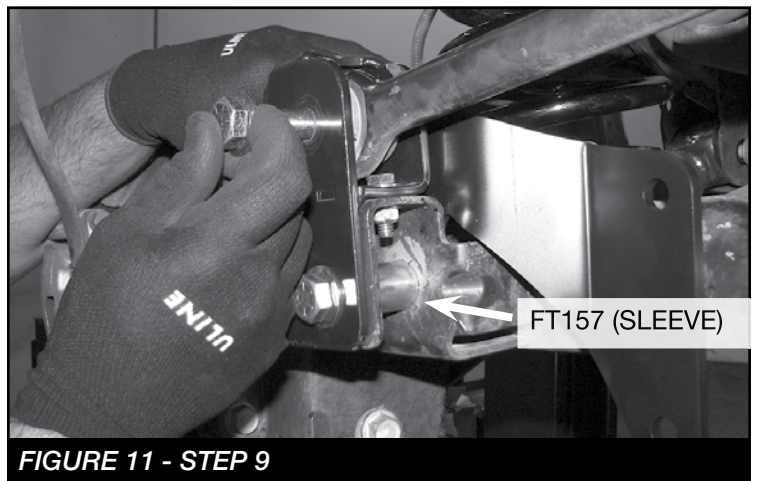


FIGURE 11 - STEP 9

11. Install the FT741U (Ubolts) using the supplied 1/2" washers and nuts. **SEE FIGURES 12-13** Torque the 1/2" hardware to 127 ft-lbs and the 9/16" hardware to 184 ft-lbs.



FIGURE 12 - STEP 10

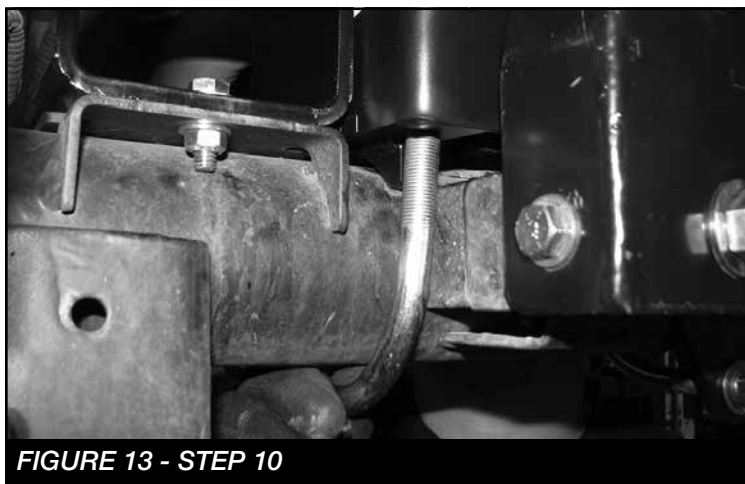


FIGURE 13 - STEP 10

12. Locate and install FT50401BK (Rear Bumpstop Spacer) using the supplied 5/16" hardware. Torque to 29 ft-lbs. **SEE FIGURE 14**

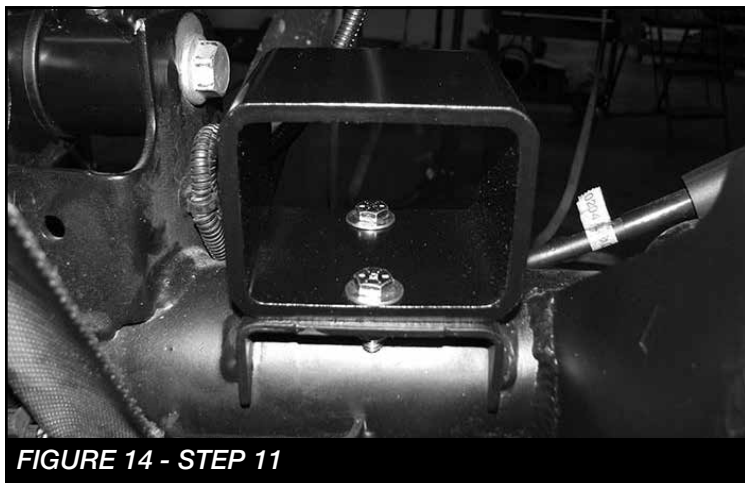


FIGURE 14 - STEP 11

13. Locate FT50298 (E-Brake bracket) and (2) 1/4"-20 X 3/4" bolts and hardware. Disconnect the factory E-brake from the vehicle and install the FT50298 using the factory nuts. **SEE FIGURE 15.** Next, install the brake line hinge to the new bracket using the supplied 1/4" hardware. Torque to 14 ft-lbs. **SEE FIGURE 16**



FIGURE 15 - STEP 12

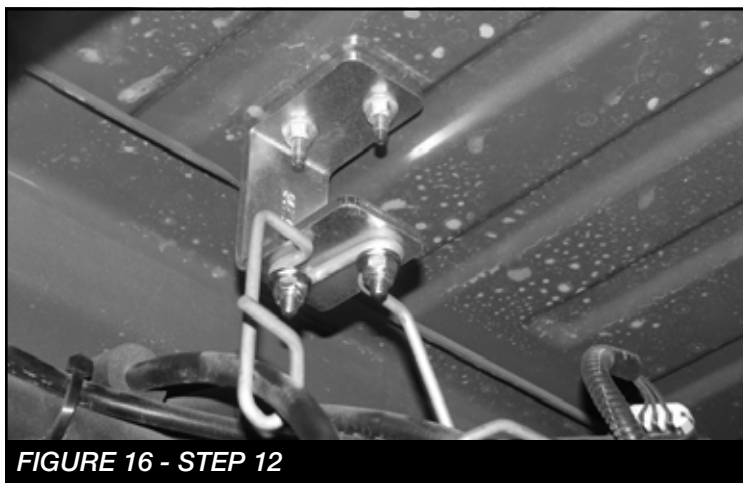


FIGURE 16 - STEP 12

14. Install the new rear brake line brackets (FT50295) using the factory bolt to attach the bracket to the frame and the supplied 1/4" hardware to attach the brake line to the new bracket. Torque to 14 ft-lbs
15. 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.**
16. Check front end alignment and set to factory specifications. Readjust headlights.
17. Recheck all bolts for proper torque.

18. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.
19. 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.**
20. 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.**