



## **INSTALLATION INSTRUCTIONS**

**2007-2017 JEEP WRANGLER 2DR-4DR  
3" & 5" FRONT AND REAR COIL KITS**

**FT24161i**

**- 3'' -**

<b>FTS24161 3" COIL KIT 2-DOOR</b>		
2	FT50391BK	3" FRONT SPRING
2	FT50392BK	3" REAR SPRING 2-DOOR
1	FT50502	HARDWARE SUBASSEMBLY

<b>FTS24162 3" COIL KIT 4-DOOR</b>		
2	FT50391BK	3" FRONT SPRING
2	FT50393BK	3" REAR SPRING 4-DOOR
1	FT50502	HARDWARE SUBASSEMBLY

<b>FTS24163 3" LONG TRAVEL COIL KIT 2-DOOR</b>		
2	FT50417BK	3" FRONT LONG TRAVEL SPRING
2	FT50418BK	3" REAR LONG TRAVEL SPRING 2-DOOR
1	FT50502	HARDWARE SUBASSEMBLY

<b>FTS24164 3" LONG TRAVEL COIL KIT 4-DOOR</b>		
2	FT50417BK	3" FRONT LONG TRAVEL SPRING
2	FT50419BK	3" REAR LONG TRAVEL SPRING 4-DOOR
1	FT50502	HARDWARE SUBASSEMBLY

<b>FTS24165 3" LONG TRAVEL REAR COIL KIT 2-DR</b>		
2	FT50418BK	3" REAR LONG TRAVEL SPRING 2-DOOR
1	FT50502	HARDWARE SUBASSEMBLY

<b>FTS24166 3" LONG TRAVEL REAR COIL KIT 4-DOOR</b>		
2	FT50419BK	3" REAR LONG TRAVEL SPRING 4-DOOR
1	FT50502	HARDWARE SUBASSEMBLY

<b>FT50502 HARDWARE SUBASSEMBLY</b>		
1	FT24161i	INSTRUCTIONS
1	FTAS12	STICKER FT BLUE 10X4
1	FTAS16	DRIVER WARNING DECAL
1	FTREGCARD	REGISTRATION CARD

**- 5'' -**

<b>FTS24143 5" LONG TRAVEL COIL KIT 2-DOOR</b>		
2	FT50520BK	5" FRONT LONG TRAVEL SPRING
2	FT50521BK	5" REAR LONG TRAVEL SPRING 2-DOOR
1	FT50502	HARDWARE SUBASSEMBLY

<b>FTS24154 5" LONG TRAVEL COIL KIT 4-DOOR</b>		
2	FT50520BK	5" FRONT LONG TRAVEL SPRING
2	FT50522BK	5" REAR LONG TRAVEL SPRING 4-DOOR
1	FT50502	HARDWARE SUBASSEMBLY

<b>FTS24160 5" FRONT COIL KIT</b>		
2	FT50302BK	5" FRONT SPRING
1	FT50502	HARDWARE SUBASSEMBLY

<b>FTS24175 5" LONG TRAVEL FRONT COIL KIT</b>		
2	FT50520BK	5" FRONT LONG TRAVEL SPRING
1	FT50502	HARDWARE SUBASSEMBLY

<b>FTS24145 5" REAR LONG TRAVEL COIL KIT 2-DR</b>		
2	FT50521BK	5" REAR LONG TRAVEL SPRING 2-DOOR
1	FT50502	HARDWARE SUBASSEMBLY

<b>FTS24146 5" REAR LONG TRAVEL FRONT COIL KIT 4-DR</b>		
2	FT50522BK	5" REAR LONG TRAVEL SPRING 4-DOOR
1	FT50502	HARDWARE SUBASSEMBLY

<b>FT50502 HARDWARE SUBASSEMBLY</b>		
1	FT24161i	INSTRUCTIONS
1	FTAS12	STICKER FT BLUE 10X4
1	FTAS16	DRIVER WARNING DECAL
1	FTREGCARD	REGISTRATION CARD



## - 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.

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 -***

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

# - 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. Support the front axle.
2. Disconnect the brake lines at the frame and axle. Disconnect the sway bar end links. **NOTE: IF INSTALLING COMPONENTS FROM OTHER BOX KITS, REMOVE END LINKS COMPLETELY.** Unplug the front diff locker harness from the axle (Rubicon Models Only).
3. Remove front shocks.
4. Disconnect the track bar. Next, lower the axle and remove factory coil springs.
5. Install the new Fabtech coil springs using the factory rubber isolator. **NOTE: Refer to the instructions in optional box kits for installing the new front bumpstops.**

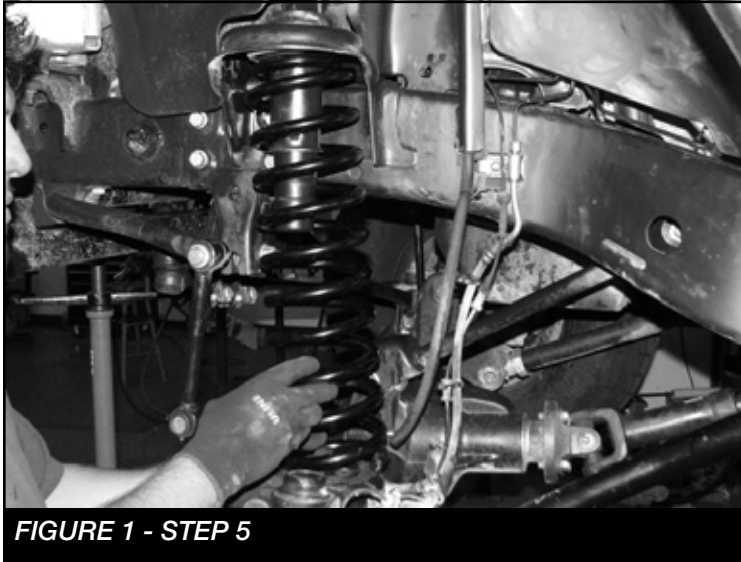


FIGURE 1 - STEP 5

6. Install the shock using factory lower bolt and the hardware supplied in the shock box. Torque the lower bolt to 90 ft-lbs.
7. **Refer to kit box instructions if installing new control arms.** Reconnect the track bar and brake line brackets.

## REAR SUSPENSION

8. Supporting the rear axle. Disconnect the brake lines from the frame and save hardware, Next, Disconnect the sway bar end links from the rear axle.
9. Remove the factory shocks and save hardware.
10. Carefully lower the axle and remove the factory springs. Save the rubber spring isolators.
11. Install the new Fabtech coil springs using the factory rubbers isolators. **SEE FIGURE 2**



FIGURE 2 - STEP 11

12. Install the new shock with the factory hardware. Torque upper bolts to 83 ft-lbs and the lower bolts to 100 ft-lbs.
13. If installing longer sway bar end links and/or brake lines do so at this time. If not reconnect the factory links and brake lines using the factory hardware.
14. 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.**
15. Check front end alignment and set to factory specifications. Readjust headlights.
16. Recheck all bolts for proper torque.
17. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.
18. 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.**
19. 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.**