



## **INSTALLATION INSTRUCTIONS**



**2014-2015 RAM 2500/3500 4WD**

**2013 RAM 3500 4WD W/FACTORY RADIUS ARMS**

**2.5" COIL SPACER SYSTEM**

**FTS23043 - w/ PERFORMANCE SHOCKS**

**FTS23158 - w/ DIRT LOGIC SHOCKS**



**- PARTS LIST -**

<b>FTS23043 SYSTEM W/PERFORMANCE SHOCKS</b>		
2	FT44229BK	2-1/2" COIL SPACER
1	FT44240	HARDWARE KIT
1	FT44241	HARDWARE SUBASSEMBLY
2	FTS7192	FRONT PERFORMANCE SHOCK

<b>FT44241 HARDWARE SUB ASSEMBLY</b>		
2	FT3400-111	BUMPSTOP (FRONT)
1	FT44239	WASHER
1	FT44240	HARDWARE KIT
1	FTAS16	DRIVER WARNING DECAL
1	FTREGCARD	REGISTRATION CARD

<b>FTS23158 SYSTEM W/DIRT LOGIC SHOCKS</b>		
2	FT44229BK	2-1/2" COIL SPACER
1	FT44240	HARDWARE KIT
1	FT44241	HARDWARE SUBASSEMBLY
2	FTS810752	FRONT DIRT LOGIC 2.25 NON RESI

<b>FT44240 - HARDWARE KIT</b>		<b>LOCATION</b>
4	7/16-14 X 1-1/4 HEX BOLT G8 ZC	
8	7/16 SAE WASHER G8 ZINC	
4	7/16-14 C-LOCK NUT ZINC	
2	BUTTONHEAD BOLT 1/2-13X4 G8 Z1	
4	1/2 SAE WASHER G8 ZINC	
2	1/2-13 C-LOCK NUT ZINC	
1	THREAD LOCKING COMPOUND 1 MIL	

**- 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 -***

This system requires the use of Fabtech FTS7192 or Dirt Logic FTS810751 front shocks.

### ***RECOMMENDED TIRE & WHEEL SIZES -***

Use 315/70R17 tires w/ 17x8 wheels w/ 4 5/8" BS w/ minor trimming

Use 325/65R18 tires w/ 18x9.5 wheels w/ 4 5/8" BS w/ minor trimming

## - 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. **DRIVER SIDE ONLY** - Starting on the driver side, remove the driver side fender liner.
3. Remove the factory shocks and discard. Retain factory lower hardware.
4. Disconnect factory sway bar links.
5. Remove factory coil spring and rubber isolator. Retain these parts for later use.
6. **DRIVER SIDE ONLY** - Locate the Brake control module on the top of the coil bucket. **SEE FIGURE 1**

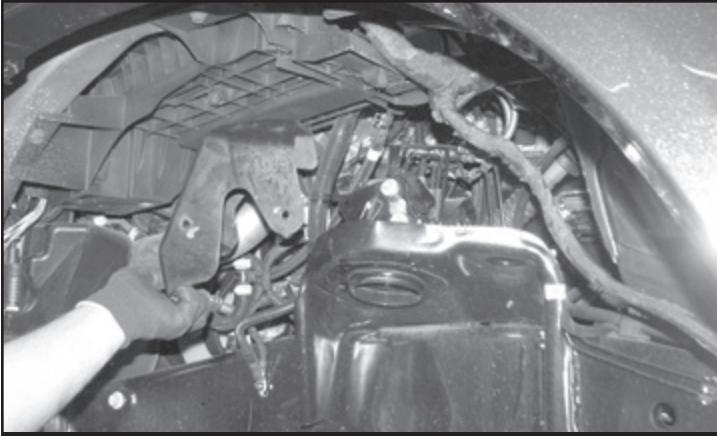


FIGURE 1 - STEP 6

7. **DRIVER SIDE ONLY** - Remove the bolts that attach the module to the mounting bracket on the top of the bucket. Retain hardware. **SEE FIGURE 2**

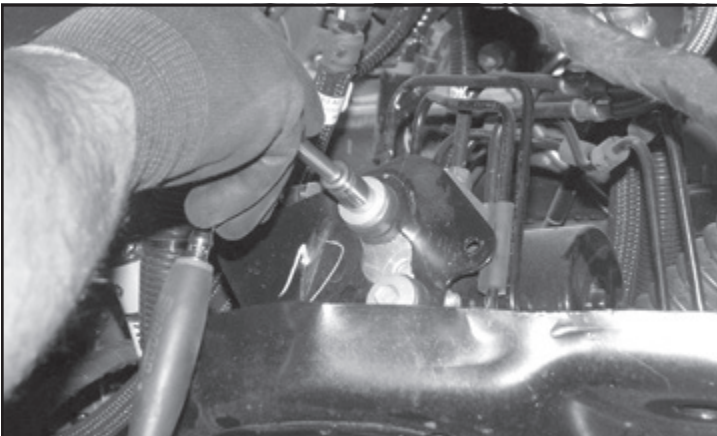


FIGURE 2 - STEP 7

8. Lift the module with care not to damage any brake lines and install the 1/2" -13 x 4" Button head bolt and washer through the top hole in the coil bucket.

**SEE FIGURES 3-4**

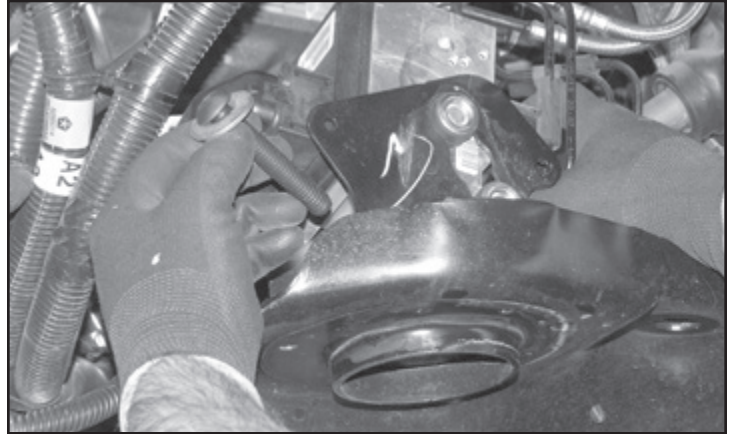


FIGURE 3 - STEP 8

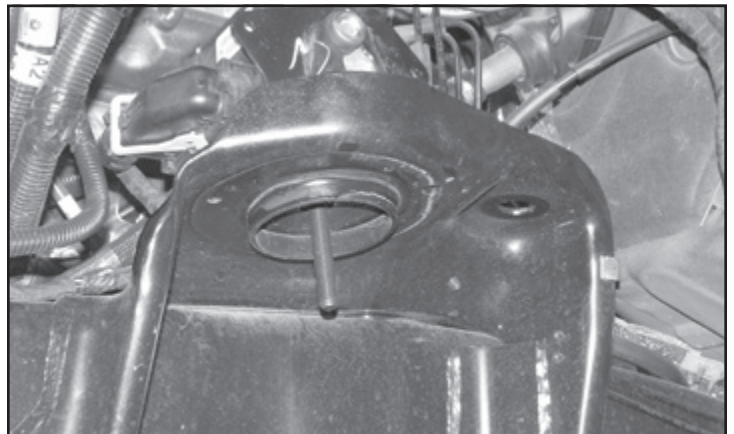


FIGURE 4 - STEP 8

9. Locate the FT44229BK coil spacer.
10. Install the coil spacer in to the top of the factory coil bucket passing the button head bolt through the center hole in the Fabtech coil spacer. Attach a flat washer and locking nut to the 1/2" button head bolt. Leave loose at this time. **SEE FIGURES 5-6**

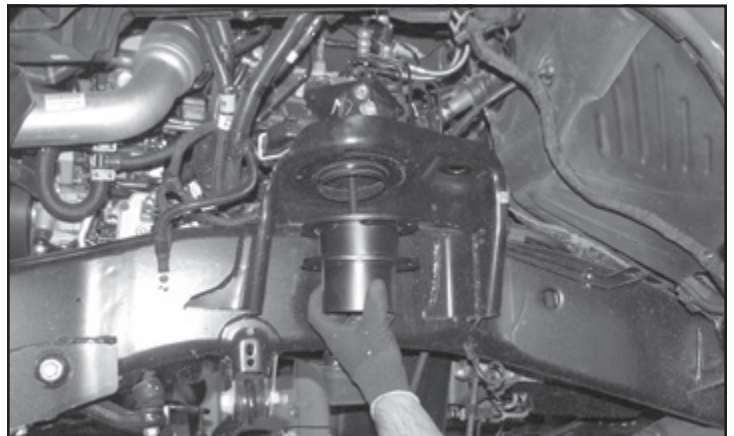
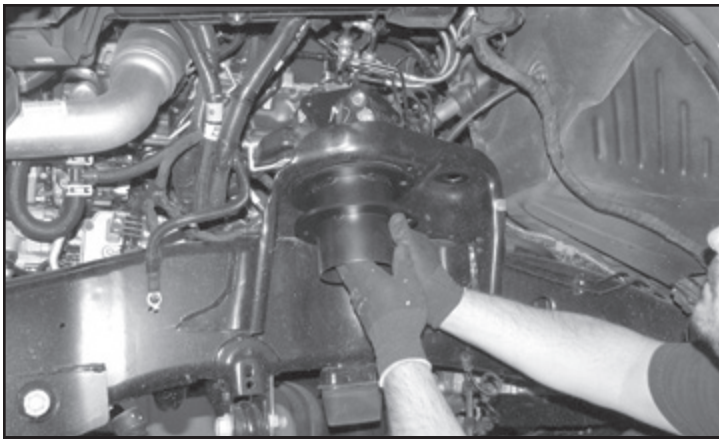


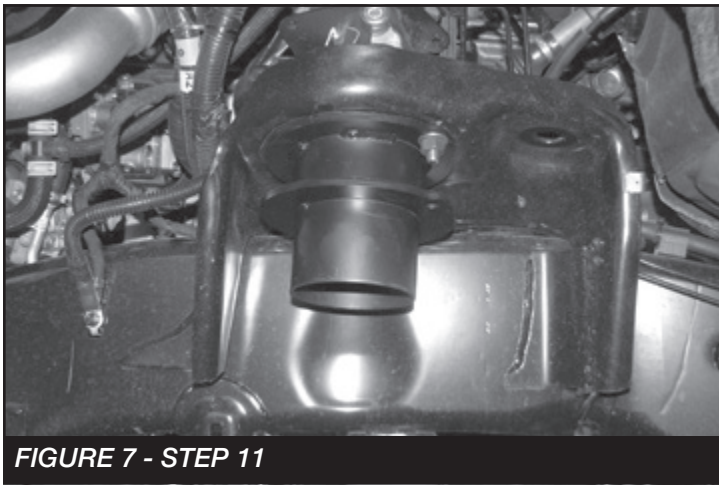
FIGURE 5 - STEP 10



**FIGURE 6 - STEP 10**

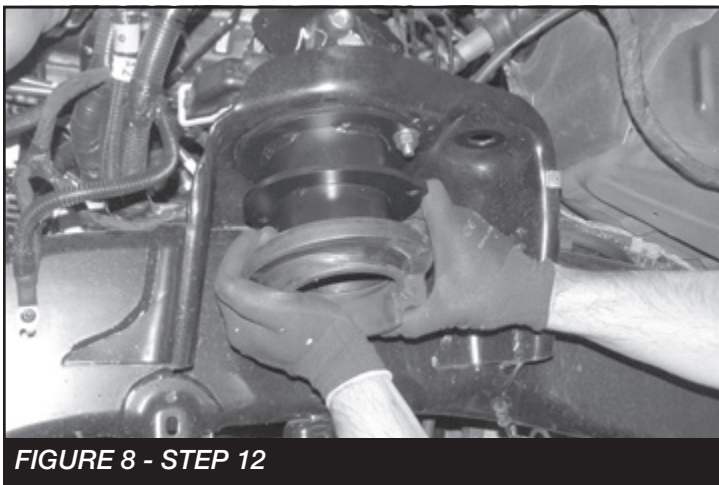
11. Rotate the coil spacer until the out board hole in the upper ring lines up with the hole in the bucket. Install the 7/16"-14 x 1-1/4" bolt washers and nut. Torque the center 1/2" bolt to 90 ft-lbs and the 7/16" bolt to 83 ft-lbs.

**SEE FIGURE 7**



**FIGURE 7 - STEP 11**

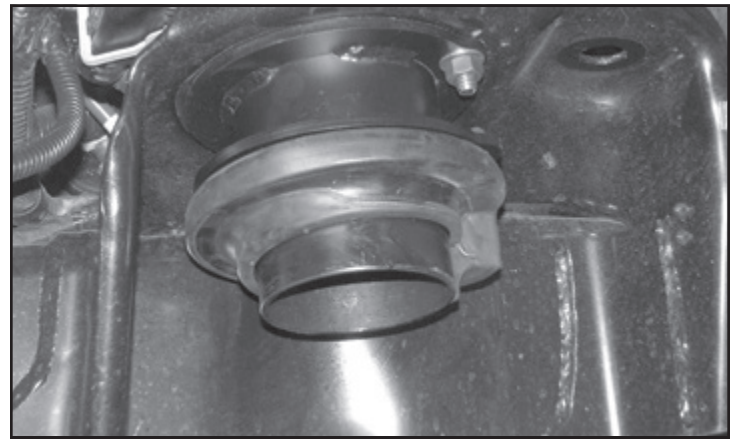
12. Locate the factory coil spring isolator and slide it over the Fabtech coil spacer. **SEE FIGURE 8**



**FIGURE 8 - STEP 12**

13. Line the rubber indexing pin on the isolator up with the hole in the ring of the coil spacer and push together.

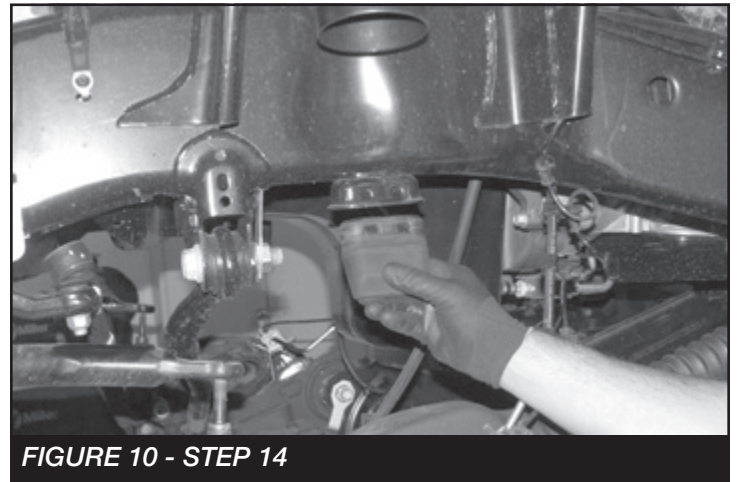
**SEE FIGURE 9**



**FIGURE 9 - STEP 13**

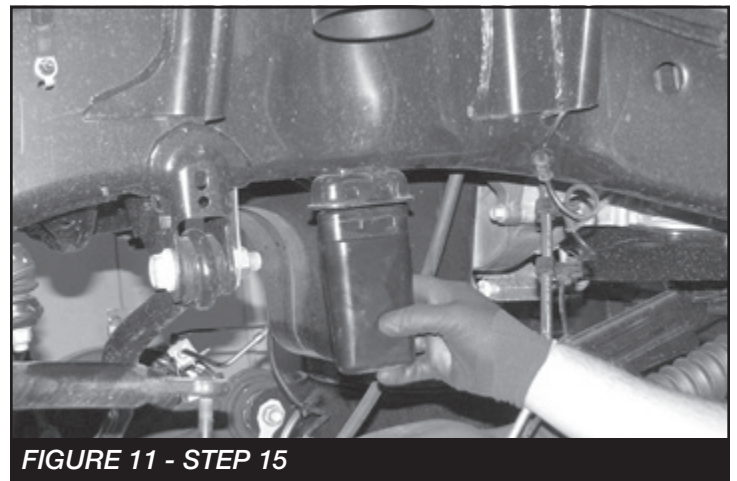
14. Remove the factory bump stop and discard.

**SEE FIGURE 10**



**FIGURE 10 - STEP 14**

15. Install the FT3400 -111 bump stop. **SEE FIGURES 11-12**



**FIGURE 11 - STEP 15**

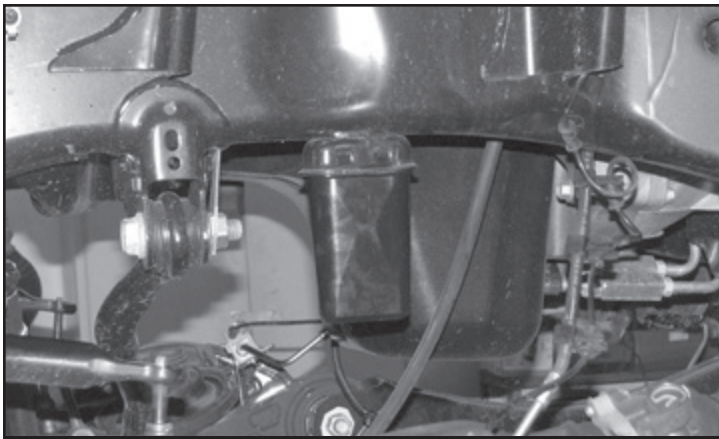


FIGURE 12 - STEP 15

16. Install the factory coil spring onto the Fabtech coil spacer and into the lower perch on the axle. **SEE FIGURES 13-14**

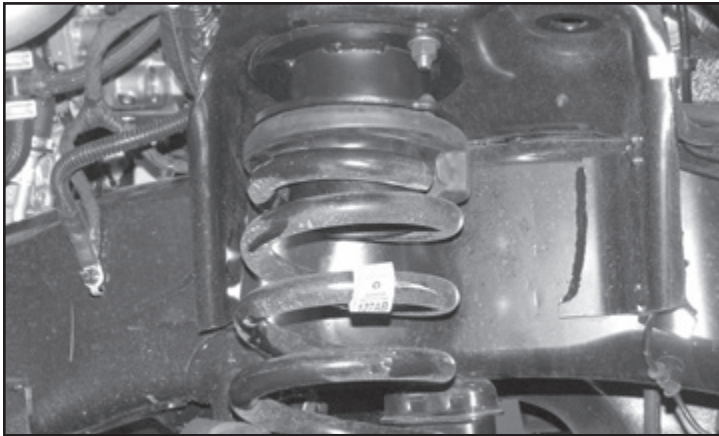


FIGURE 13 - STEP 16

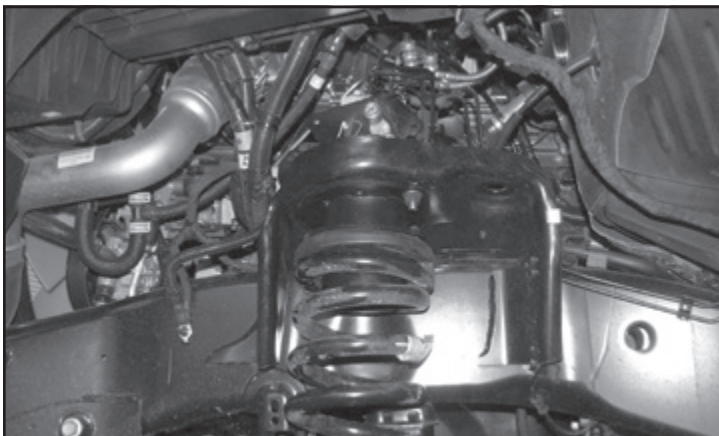


FIGURE 14 - STEP 16

17. Install the Fabtech shock (FTS7192) or Dirt Logic (FTS810751) into the factory shock mounts. Torque the lower axle mount to 65 ft-lbs. **Note - This kit must utilize the FTS7192 or FTS810752.**
18. **DRIVER SIDE ONLY** - Reinstall factory brake module using factory hardware.
19. **DRIVER SIDE ONLY** - Reinstall the fender liner.
20. Reconnect Factory sway bar links.

21. Repeat steps 3-16 on the passenger side, except those labeled **DRIVER SIDE ONLY**. On **PASSENGER SIDE ONLY** install the ½" -13 x 4" Button head bolt and FT44239 washer through the top hole in the coil bucket.
22. 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.**
23. Recheck all bolts for proper torque.
24. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.
25. 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.**
26. Install Driver Warning Decal. Complete product registration card and mail to Fabtech in order to receive future safety and technical bulletins on this suspension.
27. Check front end alignment and set to factory specifications. Readjust headlights.

**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.**