



INSTALLATION INSTRUCTIONS



2009-2015 DODGE RAM 1500

2" LEVELING KIT

FT5301i

- PARTS LIST - 2009-2015 DODGE RAM 1500 2" LEVELING KIT

FTL5301		2.OF 2009-2015 RAM 1500 4WD
2	FT44254	ALUMINUM STRUT SPACER
1	FT44259	HARDWARE SUBASSEMBLY

FT44259		HARDWARE SUBASSEMBLY
1	FT90128	HARDWARE KIT
1	FT5301i	INSTRUCTIONS
1	FTAS12	STICKER FT BLUE 10X4 DIE CUT
1	FTAS16	DRIVER WARNING DECAL
1	FTREGCARD	REGISTRATION CARD

FT90128- HARDWARE KIT		LOCATION
6	3/8-16 X 1-1/4 HEX BOLT G8 ZINC	
12	3/8 SAE WASHER G8 ZINC	
6	3/8 LOCK WASHER ZINC	
6	3/8-16 C-LOCK NUT ZINC	
1	THREAD LOCKING COMPOUND 2 MIL	

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.

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.

Required Tools (Not Included)

Basic Hand Tools
Floor Jack
Jack Stands
Assorted Metric and S.A.E sockets, and Allen wrenches
Torque Wrench

Prior to installing this kit, with the vehicle on level ground. Measure the height of your vehicle. This measurement can be recorded from the center of the wheel, straight up to the top of the inner fender lip. Record the measurements below.

LF: _____ RF: _____

LR: _____ RR: _____

- 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. Remove bolt from the brake line, save for re-installation. **SEE FIGURE 1**



FIGURE 1 - STEP 2

3. Remove nut from upper sway bar end link. Save for re-installation. **SEE FIGURE 2**

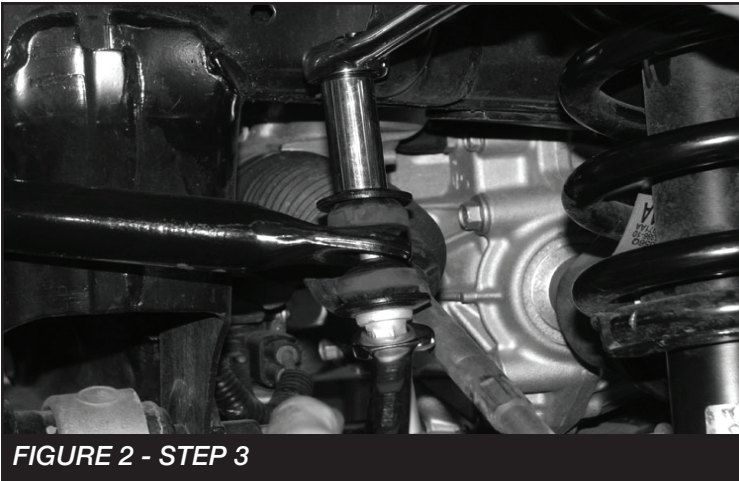


FIGURE 2 - STEP 3

4. Remove tie rod end from the spindle. **SEE FIGURE 3**

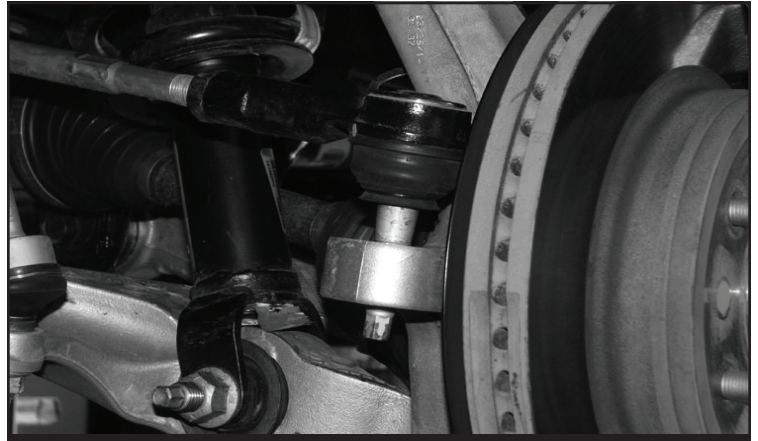


FIGURE 3 - STEP 4

5. Loosen the upper control arm ball joint nut. **Note: Leave nut attached.** Using a large hammer carefully strike the spindle at the ball joint to dislodge the control arm from the spindle. **SEE FIGURE 4**

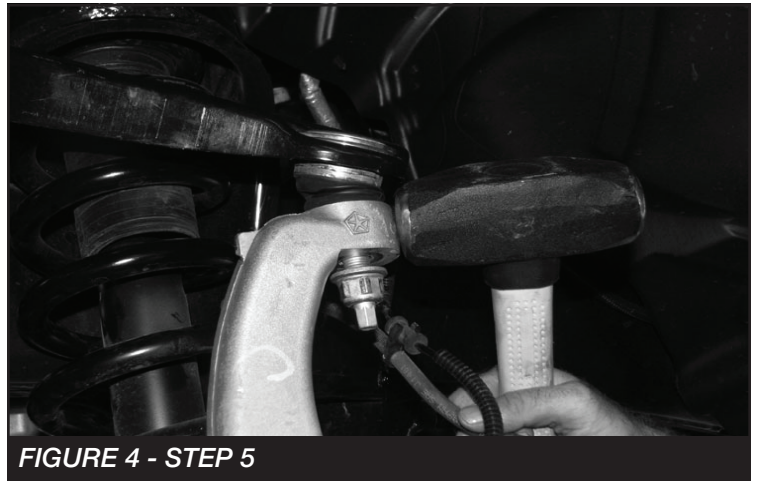


FIGURE 4 - STEP 5

6. Remove the nut from the lower coilover/ control arm bolt. **SEE FIGURE 5**

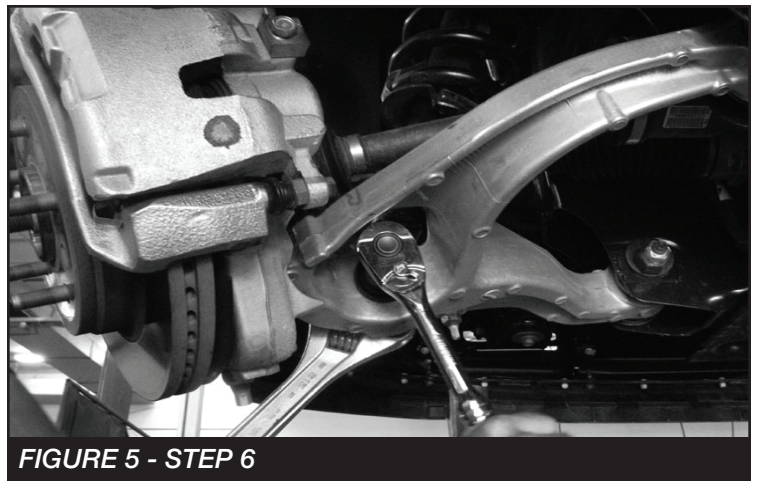


FIGURE 5 - STEP 6

7. Remove the (3) upper coilover nuts from the coilover tower bracket. Save for re-installation. **SEE FIGURE 6**

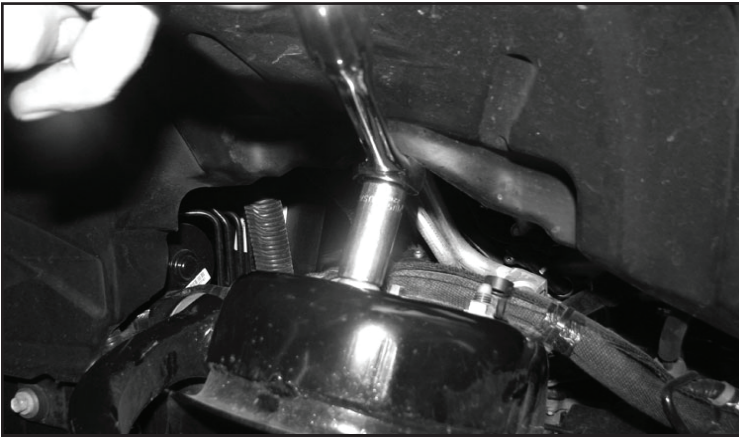


FIGURE 6 - STEP 7

8. Remove the lower coilover bolt and upper control arm ball joint nut. Then, remove the coilover assembly from the vehicle. **SEE FIGURES 7-9**

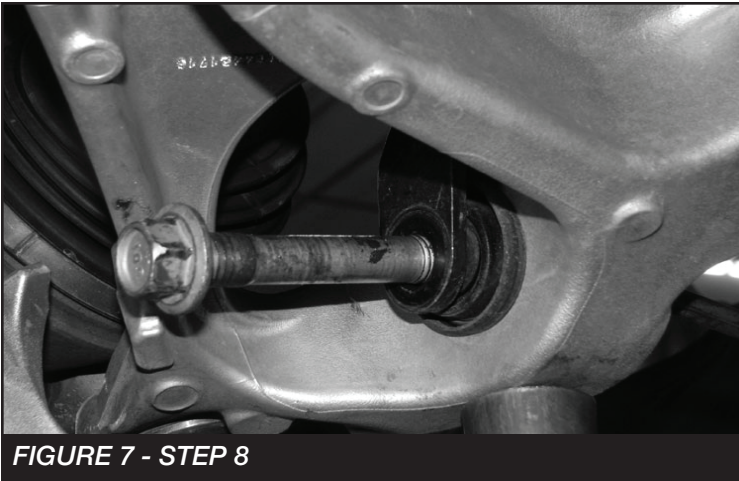


FIGURE 7 - STEP 8

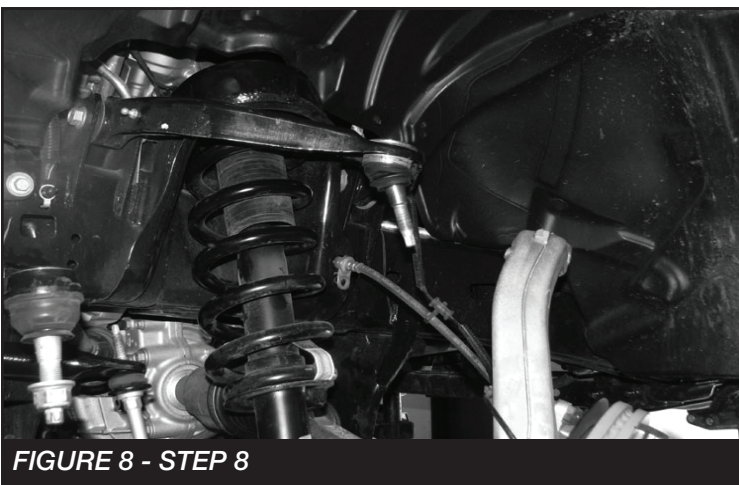


FIGURE 8 - STEP 8

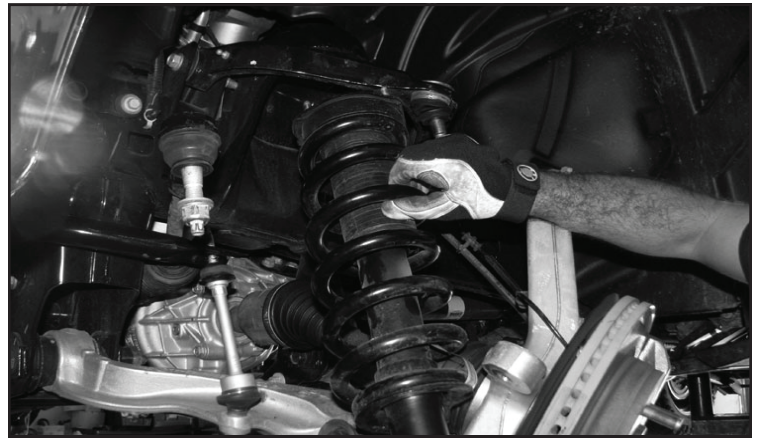


FIGURE 9 - STEP 8

9. Locate the supplied FT44254 (Aluminum Spacer), 3/8"-16 x 1-1/4" bolts, washers, and nuts. Using the thread lock, install the bolts, washers, and lock washers into the FT44254. Torque to 52 ft-lbs. **SEE FIGURE 10**

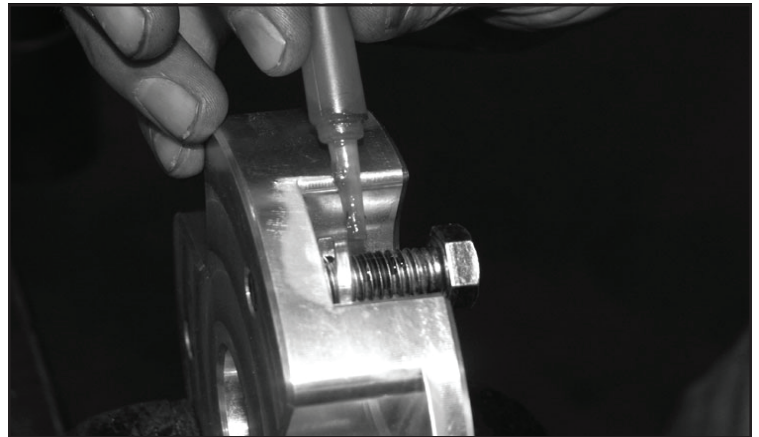


FIGURE 10 - STEP 9

10. Install the FT44254 onto the factory coilover assembly using the factory nuts and supplied thread lock. Torque to 52 ft-lbs. **SEE FIGURE 11**

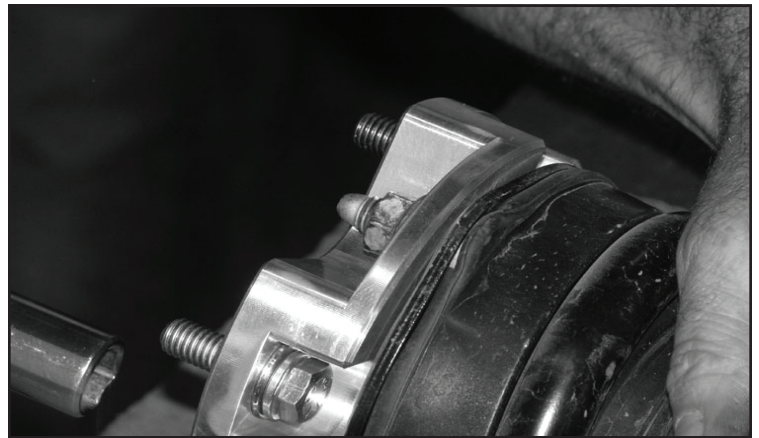


FIGURE 11 - STEP 10

11. Re-install the coilover into the vehicle. **NOTE: The assembly must be installed 180 degrees from its original orientation.** Install the supplied 3/8" Nuts and washers on the top coilover tower. Torque to 52 ft-lbs. Then, install the lower coilover bolt. Torque to 132 ft-lbs **SEE FIGURE 12-14**

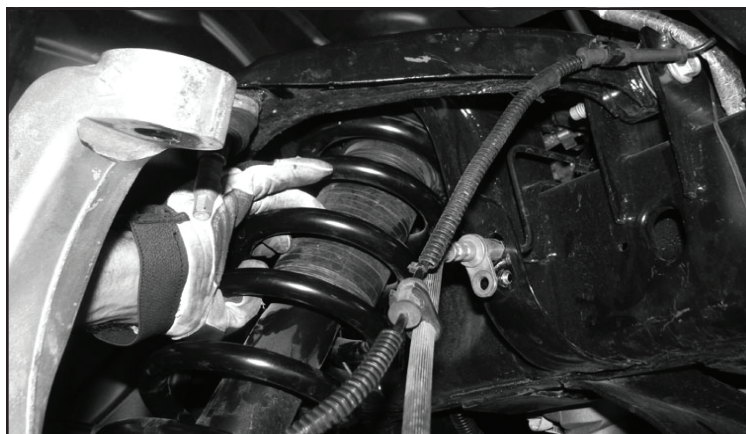


FIGURE 12 - STEP 11



FIGURE 13 - STEP 11



FIGURE 14 - STEP 11

12. Using a pry bar, pry down on the upper control arm and install the ball joint nut. Torque to 117 ft-lbs **SEE FIGURE 15**



FIGURE 15 - STEP 12

13. Install the tie rod into the spindle. Torque to 117 ft-lbs **SEE FIGURE 16**

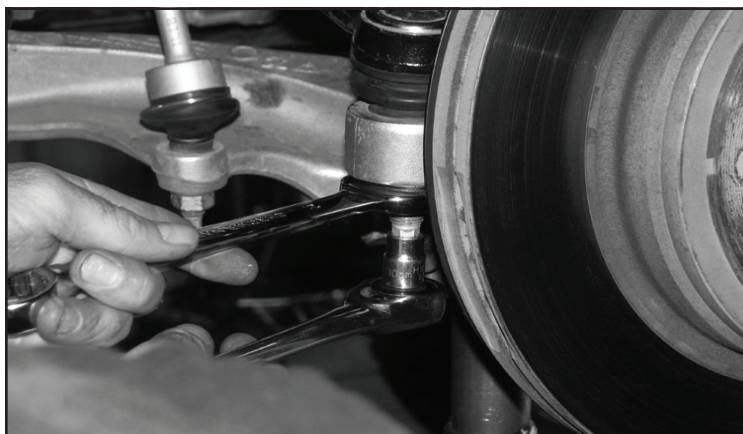


FIGURE 16 - STEP 13

14. Re-install the brake line into the bracket with the factory bolt. Torque to 52 ft-lbs. **SEE FIGURE 16**

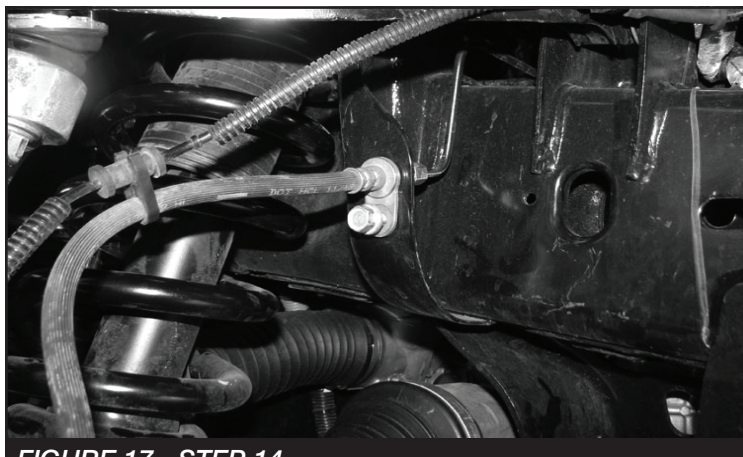


FIGURE 17 - STEP 14

15. **NOTE:** When installing the sway bar to the end link, it may be necessary to leave loose until both sides are complete. Torque to 58 ft-lbs **SEE FIGURE 18**

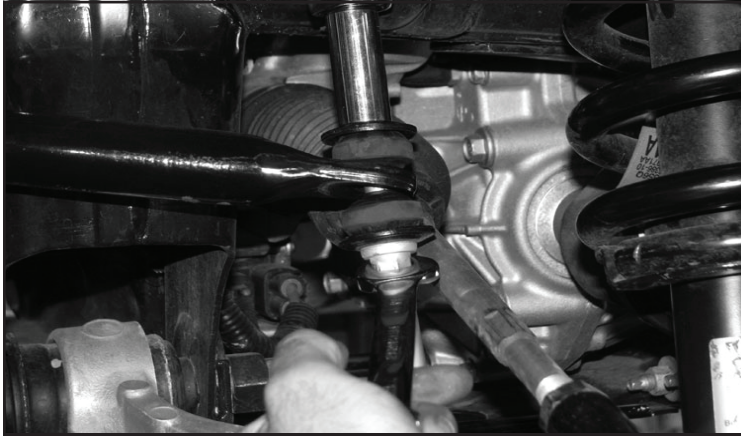


FIGURE 18 - STEP 15

16. 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.**
17. Check front end alignment and set to factory specifications. Readjust headlights.
18. Recheck all bolts for proper torque.
19. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.
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 THEREAFTER UNTIL FASTENERS RETAIN TORQUE SETTING.