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Instruction Sheet:

PART# IVD2210	2007-Current Jeep JK 2" Front Leveling Kit
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Enclosed Parts List
(2) 2" Coil Spacers
Hardware Included
N/A

Vehicle Applications
2007-CURRENT WRANGLER JK

Installation Notes
<p><b>** Installation by a certified mechanic is highly recommended. **</b></p> <p><b>** ICON Vehicle Dynamics is not responsible for any damage or failure resulting from improper installation. **</b></p> <p><b>** WARNING! ICON Vehicle Dynamics recommends that you exercise extreme caution when working under a vehicle that is supported with jack stands. **</b></p>

**\*\* READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION, AND TIRE DAMAGE MAY RESULT TO THE VEHICLE! \*\***

**BEGIN INSTALLATION**

**TECH NOTE: IF REPLACING THE STOCK SHOCKS WITH ICON VEHICLE DYNAMICS SHOCKS, A 1" BUMP STOP SPACER IS REQUIRED.**

- 1. ENSURE TRUCK IS IN GEAR OR IN PARK, SET PARKING BRAKE, TURN OFF ENGINE AND CHOCK TIRES!**
- 2. With the vehicle sitting on level ground, measure from the center of the front wheel hub to the top of the fender opening. Record this measurement; you will refer to it later to determine total lift height.**
- 3. Using a properly rated hydraulic jack, lift the vehicle and support the frame rails with jack stands. Ensure jack stands are secure and set properly before lowering the hydraulic jack. BE SURE TO NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the wheels.**
- 4. Using (2) 18mm, remove the sway bar link bolts from the axle.**
- 5. Using a 15mm, disconnect the driveshaft from the front differential. (Refer to Figure 1)**

FIG.1

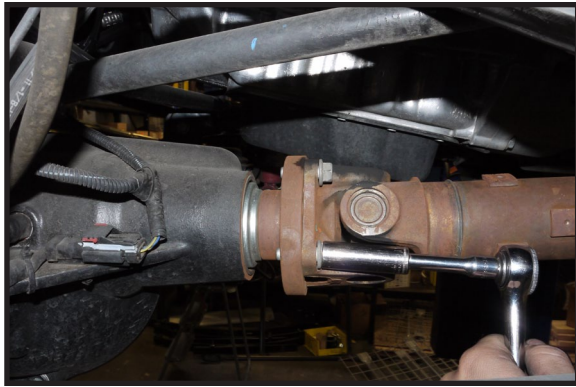
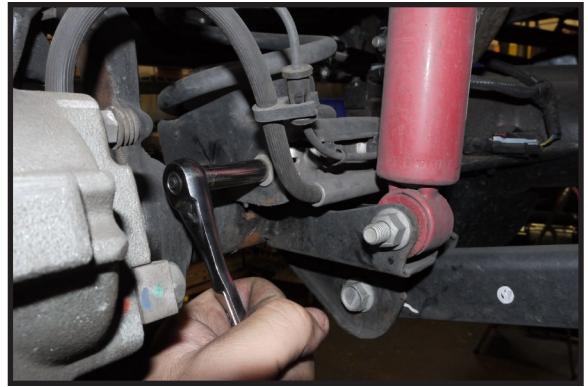


FIG.2



**6. (2012+ MODELS)** With a 10mm, remove the front brake line bracket from the axle. (Refer to Fig. 2) Free the lower bracket from the coil seat. (2007-2011 models do not have this bracket)

**7.** Using a 21mm, remove the front track bar from the axle. The axle may move slightly when taking the bolt out.

**8.** Remove the front breather tube from the front differential.

**9. (RUBICON ONLY)** Disconnect the locker control wires from the front differential. Slide the red tab to the side to unlock connector. (Refer to Fig. 3)

FIG.3



**10.** While supporting the front axle with a floor jack, remove the front shocks using a 16mm for the stem and (2) 18mm for the lower bolt. The shock may spin when you try to remove the stem hardware, you will need to hold onto the shock body if this happens. The shocks are limiting droop so **MAKE SURE THE AXLE IS SUPPORTED OR THE AXLE WILL FALL** when the shocks are removed.

**11.** Once the shocks are removed, slowly lower the axle while watching for any lines that might snag. Lower the axle enough to remove the front coils. Carefully remove coils.

**12.** Remove the rubber spring isolator from the coil bucket. (Refer to Figure 4)

FIG.4



**13.** Place the polyurethane coil spacer on top of the upper spring isolator. (Refer to Fig. 5 & 6)

FIG.5

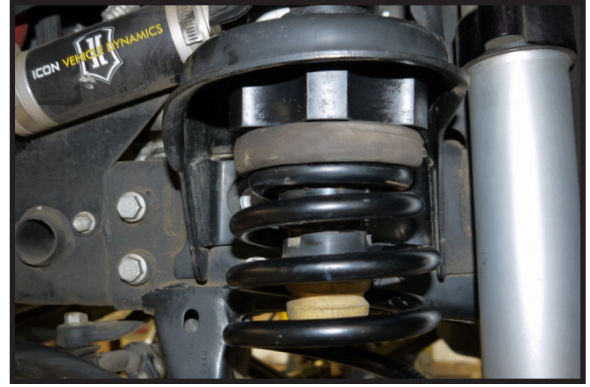
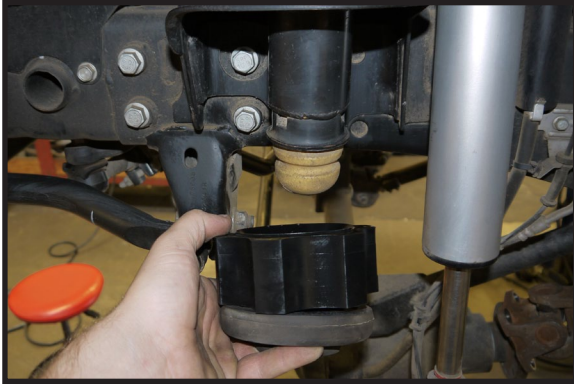


FIG.6

**14.** Slowly lift the axle making sure the coils align in the upper and lower seats. Lift the axle just high enough to install the new front shocks. Be careful not to lift the vehicle off of stands.

**15.** If ICON shocks are being installed, refer to shock instructions for details on shock and reservoir installation.

**16.** Reconnect the front breather tube to the differential.

**17.** Using (2) 18mm for the lower bolt, reconnect the sway bar link to the axle. [Torque to factory spec]

**18.** Reconnect the drive shaft using a 15mm. [Torque to factory spec] (Refer to Figure 7)

FIG.7



**19. (2012+ MODELS)** Reconnect the brake line bracket to the axle using a 10mm [Torque to factory spec].

**20. (RUBICON ONLY)** Reconnect the front locker solenoid. Slide the red tab back into place locking connection.

**21.** Reconnect the track bar using a 21mm. [Torque to factory spec]

**22.** Tighten all factory hardware to factory specs.

**23.** With vehicle on the ground and wheels straight, loosen the turn buckle on the drag link using a 15mm. Adjust the length of the drag link by turning to turn buckle until the steering wheel is centered. Tighten the turn buckle [Torque to factory spec]. Failure to center the steering wheel before driving will result in computer stability control issues.

**24.** Test drive vehicle re-check the torque of all fasteners and re-torque wheels on vehicle after first 100 miles of use. Failure to perform the post inspection checks may result in vehicle component damage and/or personal injury or death to driver and/or passengers.

**25.** It is recommended that you have your vehicle professionally aligned whenever lift components are installed. A certified alignment technician with lifted vehicle experience is highly recommended. Adjust headlights whenever vehicle has been lifted or lowered for proper orientation.

**\*\* Installer is responsible for ensuring vehicle safety and handling ability after performing modifications to suspension. \*\***

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