



Crown Automotive Sales Co., Inc. XJ2SP Lift Kit Installation Instructions

Kit Contents:

- 2 - Front Spacers
- 2 - HD Extended Shackles
- 2 - Bolts
- 2 - Nuts
- 4 - Washers



1. Ensure that all components in kit are accounted for.
2. Place wheel chocks in front of and behind rear tires.
Jack the vehicle by the front axle, support the vehicle with jack stands and remove the wheels. Do not let the front axle droop at this time.
3. Disconnect the front shocks and sway bar end links and lower the axle.
4. Remove the coil springs and ensure that they are in perfect working condition (no cracks, broken coils, etc.).
5. If the stock coil isolators are worn or damaged, replace them at this time. Install the spacers over the stock isolators and reinstall the coils. Jack up axle and reinstall shocks, sway bar end links, and wheels, ensuring proper torque is reached.
6. Remove jack stands from the frame and lower the vehicle to the ground.
7. Loosen both upper and lower original shackle bolts with the vehicle on the ground. Use a penetrating lubricant to help loosen them.
8. Once all 4 shackle bolts are loose, place the wheel chocks in front of and behind the front tires. Then jack vehicle by the rear axle, support the vehicle with jack stands and remove the wheels. Do not let the rear axle droop at this time.
9. Disconnect the rear shocks at the axle and sway bar at the frame and droop the axle a few inches.
10. Remove both shackle bolts on one side and remove the original shackle. Clean and lubricate the upper shackle area to aid installation. Ensure that the bushing in the leaf spring is in good condition (no cracks or deterioration of the rubber or sleeve). If the bushing shows signs or excessive wear, replace it prior to moving on.

- 11.** Slide the new shackle into the upper shackle mount with the grease fitting facing the rear of the vehicle and loosely install it with the OE bolt. Now loosely install the shackle to the leaf spring bushing using the hardware provided. Do not torque at this time.
- 12.** Repeat on the opposite side.
- 13.** Jack up axle and reinstall the shocks, sway bar, and wheels, making sure proper torque is reached.
- 14.** Remove jack stands from the body and lower the vehicle to the ground.
- 15.** Jounce the rear bumper a few times to ensure the vehicle is at ride height. Torque upper shackle bolts to 115 ft. lbs. and lower shackle bolts to 80 ft. lbs.
- 16.** An alignment must be performed after installing this kit. Failure to do so will cause dangerous driving characteristics and premature tire wear.
- 17.** Headlights may need to be re-adjusted.
- 18.** Re-torque all hardware after 500 miles.

While every attempt is made to ensure that the information contained in these instructions are correct, no liability can be accepted by the authors for loss, damage or injury caused by any errors in, or omissions from the information given. All service should be performed by qualified mechanics. Crown Automotive Sales Co., Inc. cannot be held responsible for any mechanical work performed. Standard and accepted safety precautions and equipment should be used in every procedure. This modification will cause the vehicle to handle differently than with stock suspension. Unusual maneuvers could cause loss of control. Care must be taken at all times.