

# JKS<sup>®</sup>

## Installation Instructions



Product: XJ Shackles

Part Number: PN OGS651

### Welcome

CONGRATULATIONS on purchasing a set of XJ Shackles from JKS Manufacturing. We are committed to providing you with the best products available and your satisfaction is our first priority.

PLEASE READ these Installation Instructions carefully, and save them for future reference, as they contain important installation and maintenance information.

### Important

**REFER TO FACTORY SERVICE MANUAL** for information and procedures not covered in these instructions.

### Tools Required

- Metric/Standard Socket Wrench Set
- Torque Wrench
- Grease Gun with Zerk Fitting Coupler
- Wheel Bearing Grease
- Hydraulic Floor Jack & Jack Stands
- Factory Service Manual (recommended)

*\* Asterisk denotes tools that are not required for some applications. Thoroughly read instructions first to determine which tools will be required for your application.*

### Installation

#### ❑ 1. REMOVE ORIGINAL SHACKLES

- Raise and support vehicle chassis with jack stands positioned in front of the leaf springs.
- Raise and support the axle housing with a hydraulic jack to relieve the axle weight.
- Remove spring shackle hardware from leaf spring and chassis, and remove shackle from vehicle. Retain the original mounting hardware.

#### ❑ 2. PRE-LUBRICATE XJ SHACKLES

- Apply a thin layer of wheel bearing grease to surface of Bushing Sleeve and Polyurethane Bushings.
- Assemble Sleeve and Bushings in XJ Shackles.

#### ❑ 3. INSTALL XJ SHACKLES

- Position XJ Shackles in the original location with the JKS decal facing forward (front of vehicle) to ensure correct operation and maximum suspension travel.
- Mount XJ Shackle to leaf spring and chassis with original hardware, but DO NOT tighten mounting bolts.

#### ❑ 4. TIGHTEN MOUNTING HARDWARE

- Once both XJ Shackles have been installed, lower the vehicle to the ground until leaf springs are supporting full weight of vehicle.
- Using a torque wrench, tighten the mounting hardware to factory torque specifications for your vehicle.

#### ❑ 5. POST-INSTALLATION INSTRUCTIONS

- Lubricate grease zerk fittings on XJ Shackles immediately after installation using wheel bearing grease or equivalent.
- After driving vehicle 50 miles, lubricate and re-torque mounting hardware.

### Maintenance

XJ Shackles should be lubricated regularly as part of vehicle maintenance schedule.

Regular cleaning with pressurized water is recommended to maximize ease of operation and reliability. Always lubricate afterwards to evacuate any moisture.

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