



## HD Shackle Kit Installation Instructions Part #: RT21021

### Kit Contents:

- 4 - Shackle Plates
- 2 - Shackle Sleeves
- 4 – 7/16”-14 x 3” Greaseable Bolts
- 2 – 7/16”-14 x 3” Non-Greaseable Bolts
- 6 – 7/16” Mechanical Locking Nuts



1. Ensure that all components in kit are accounted for.
2. Park the vehicle on a level surface and place wheel chocks in front of and behind the tires of the axle not being worked on. Jack the vehicle by the axle, supporting the vehicle’s frame with jack stands, and droop the axle enough to release the stress from the spring shackles. Disconnecting the shocks from the axle may be necessary to allow the axle to adequately droop.
3. Remove the factory shackles from both sides. Inspect the shackle bushings and replace if needed.
4. Pre-install the **Shackle Sleeves** in the center hole of the **Shackle Plates** using the **Non-Greaseable Bolts** and **Nuts** (See image).
5. Install each shackle assembly with the **Greaseable Bolts** and **Nuts**. The threads of the bolt should be closest to the center of the vehicle. Do not torque at this time.
6. Lower the vehicle to the ground. Torque all hardware to 50 ft. lbs.
7. Connect the shocks if necessary.
8. Ensure that there are no parts that interfere with the new shackles by cycling the suspension and the steering.
9. An alignment must be performed after installing this kit. Failure to do so will cause dangerous driving characteristics and premature tire wear.
10. Headlights may need to be re-adjusted.
11. Re-torque all hardware after 500 miles. Check fastener torque and grease bushing assemblies with a silicone-based grease regularly.



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