



# SURGE ACTUATORS

HYDRAULIC SURGE BRAKE ACTUATION

## INSTALLATION INSTRUCTIONS

### Model 60 Multi-fit Coupler Repair Kit

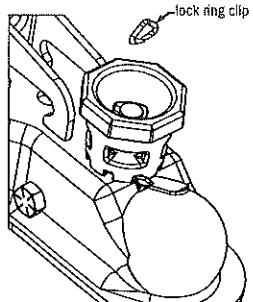
#### K74-325-00: MODEL 60 MULTI-FIT COUPLER REPAIR KIT

KIT MAY INCLUDE NEWER COMPONENTS THAT MAY DIFFER THAN THE COMPONENTS BEING TAKEN OFF THE ACTUATOR. DO NOT REUSE OLD COMPONENTS.

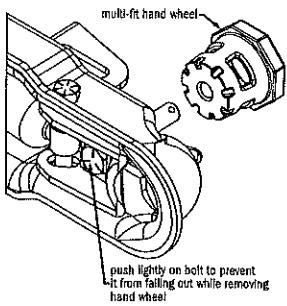
IF THE COUPLER HOUSING HAS WEAR OR DAMAGE, THE ACTUATOR NEEDS REPLACED.

#### DISASSEMBLY

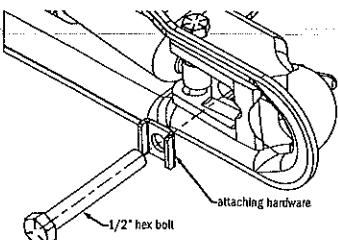
1. Extend coupler fully forward, ensuring the shock damper is extended. Use needle nose pliers to remove the lock ring clip from the adjustable handle bolt and discard.



2. Hold the ball latch and bolt from underneath the coupler, remove the multi-fit hand wheel by turning counter clockwise and discard.

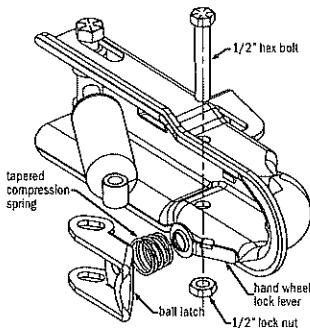


3. Push the hex bolt out through the bottom of the coupler, remove and discard all attaching hardware.



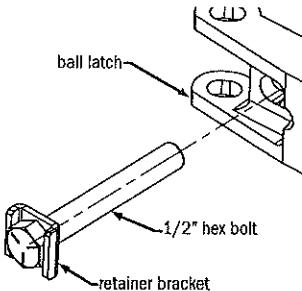
4. Using a socket or box wrench, remove the attaching bolt and locknut that goes through the ball latch, then discard.
5. While holding the ball latch, swing the shock damper out of the way.

6. Remove the ball latch, tapered compression spring, and the hand wheel lever lock and discard.

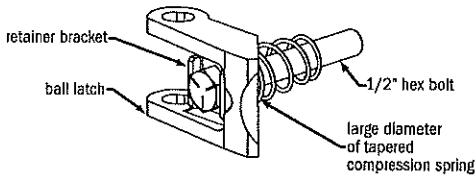


#### INSTALLATION

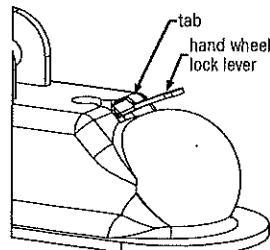
1. Prepare the new ball latch jaw by first sliding the retainer bracket onto the 1/2" hex bolt, making sure the hex of the bolt is seated inside the retainer bracket.



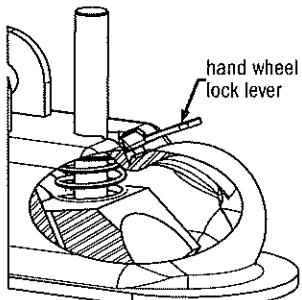
2. Slide the bolt and retainer into the ball latch then slide the tapered compression spring over the hex bolt with the larger diameter end of the spring.



3. From the ball side of the coupler, feed the handle end of the hand wheel lock lever through the notch in the coupler case. Ensure the tab is facing up.

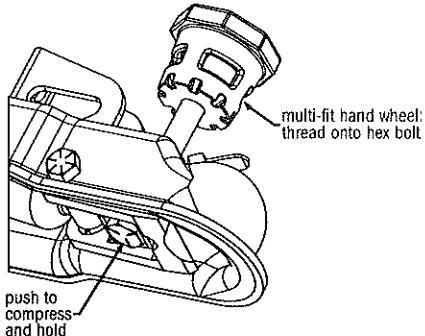


4. While holding the hand wheel lock lever in place, slide the new ball latch assembly, up through the lever latch hole and coupler case seating the top coil of the spring around the raised ridge on the hand wheel lock lever.

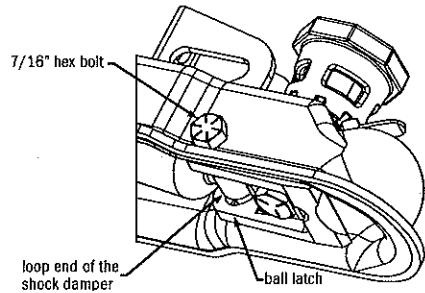


cutaway view

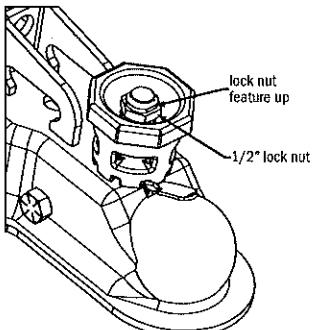
5. Compress the ball latch assembly and spring against the hand wheel lock lever, then install the multi-fit hand wheel onto the hex bolt threads



6. Slide the bolt through the coupler, the shock damper loop and ball latch. Install locknut onto the bolt. Ensure components are aligned then torque the nut to 15 ft-lbs.



7. Install the locknut on the 1/2" hex bolt, ensuring the with locking feature is facing up, until 2 threads of the bolt extrudes through the top of the lock nut.



8. After installation, road test in a safe location.