



GO THE DISTANCE.

FIETH WHEELS

SIMPLEX LITE ROTARY PULL Converting Rotary Pull Operating Rod to Straight Pull Operating Rod Instructions

Check the components of this package. The following parts should be included in this kit. If you didn't receive an item, please contact your dealer or distributor.

Part Description	Qty.
Safety Indicator	1
Safety Indicator Pin	1
Lever Bar	1
Operating Rod	1
Slotted Spring Pin	1
Danger Tag	1
Drive Screw	6

Disassembly

1. Lock the jaw mechanism using a bar or block (Figure 1).

CAUTION The lock is spring-loaded. Keep hands away from lock and jaw to avoid injury. Stand clear as the extended operating rod retracts rapidly during lockup.



Figure 1

2. Remove the bracket pin clinch pins and the bracket pins at both sides. (Figure 2).



Figure 2

(wheel shown removed from brackets and upside down for purpose of illustration)

NOTE: If the bracket pins are difficult to remove, compress the fifth wheel downward against the mounting bracket trunnions with a clamp or any other suitable means (for example, placing it under a light trailer), to relieve the load on the bracket pins.

3. Drive out the left bracket shoe (operating rod side) with a hammer and drift pin or similar tools at the bracket shoe stop side of the plate casting pocket. A screwdriver may be wedged between the bracket shoe and pad to assist in bracket shoe removal (Figure 3).

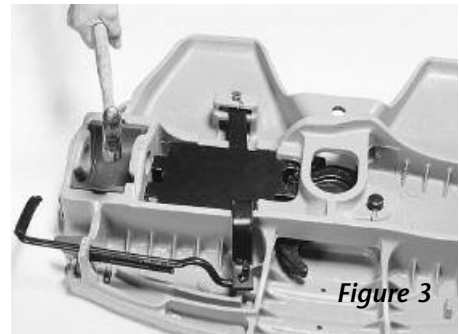


Figure 3

4. Remove the cotter pin from the lever bar pin and remove the lever bar pin (Figure 4).

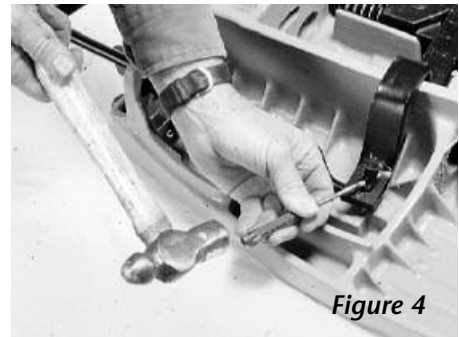


Figure 4

5. Drive the slotted spring pin out of the operating rod and remove the rod (Figure 5).

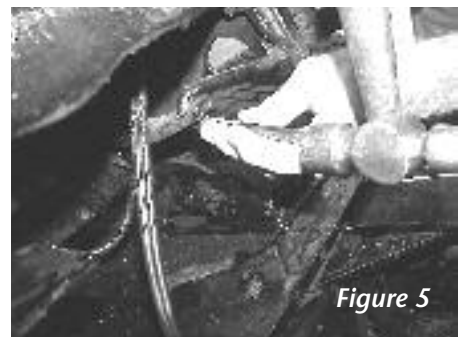


Figure 5

SIMPLEX LITE ROTARY PULL Jaw/Kingpin Clearance Adjustment

- Slide the cover plate tabs further into the bracket pocket slots, lift and remove (Figure 6).

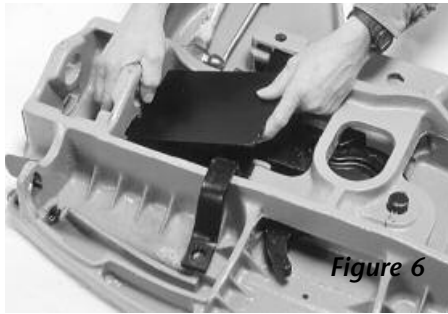


Figure 6

CAUTION Remove the cover slowly. The lock spring is under compression.

- Slide the lever bar forward, lift and remove (Figure 7).



Figure 7

- Remove the Danger/Serial # Tag (Figure 8).



Figure 8

- Remove the cotter pin, safety indicator pin and safety indicator (Figure 9).

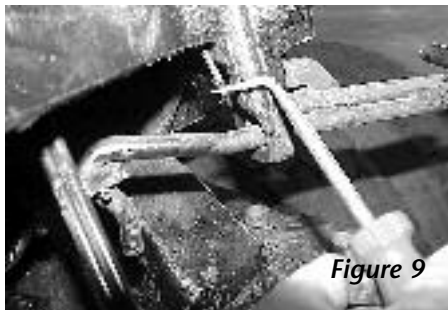


Figure 9

Reassembly

- Slide the lever bar into place.
- Install the lever bar pin and cotter pin (Figure 4).
- Install the operating rod and slotted spring pin (Figure 5).
- Reinstall the cover plate by sliding the cover plate tabs further into the bracket pocket slots and move into place (Figure 6).

CAUTION Install the cover plate slowly. The lock spring is under compression.

- If the old (rotary) safety indicator was attached with a weld stud, this will need to be removed before installing the new safety indicator.
- Install the new safety indicator into the top hole of the top plate using the dowel and cotter pin.
- Turn the fifth wheel over and place it on the brackets. Install the bracket pins and clinch pins at both sides (Figure 2).
- Install the new Danger/Serial # Tag using the enclosed drive rivets or a good grade epoxy adhesive.
- Pull release handle and verify the fifth wheel jaw mechanism is in the open position.
- Check to ensure that the fifth wheel latches properly and is properly adjusted using the fifth wheel gauge shown in Figure 10. If adjustment is necessary, follow adjustment procedures outlined in the Simplex General Inspection and Maintenance Manual.
- Destroy and scrap all old removed parts.

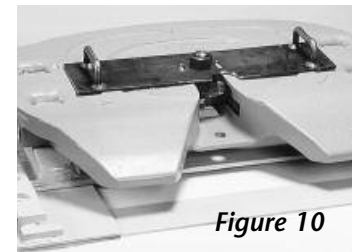


Figure 10



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