

TM8024 - Premium Tractors 6830 and 6930 Repair Hitch — Repairing the lift cylinder

Hitch — Repairing the lift cylinder

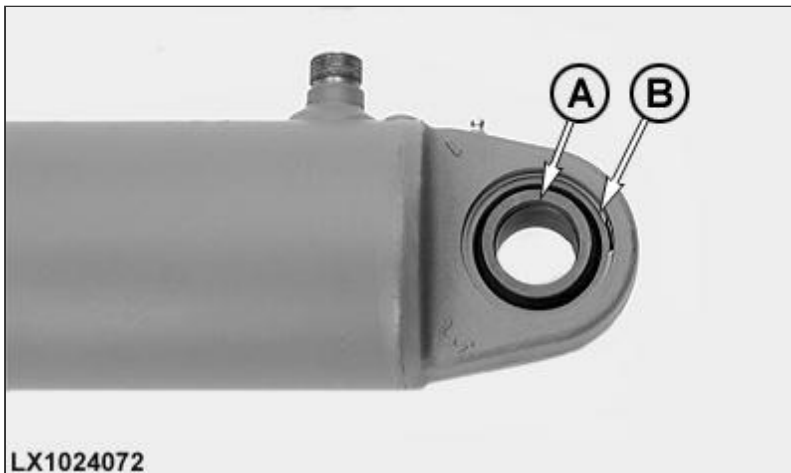
1.

 **CAUTION:**

Comply with safety instructions. See “Hydraulic system — General instructions on safety and repair” in section 70, group 15.

NOTE:

Remove the lift cylinder. See “Hitch — Removing the lift cylinder” in this group.

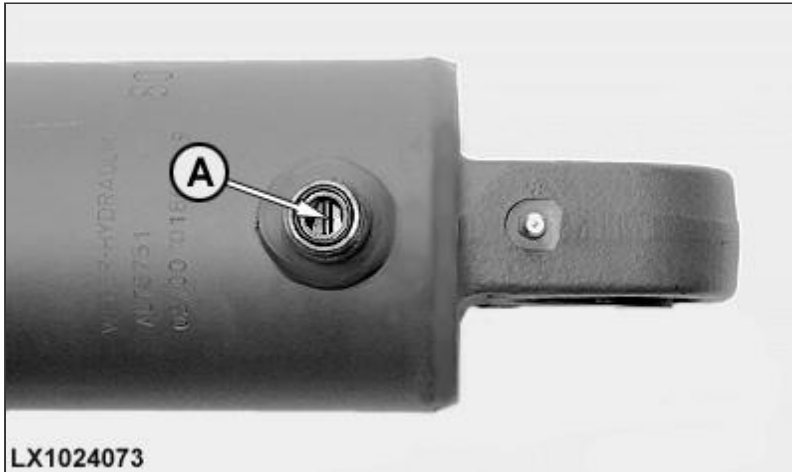


LX1024072

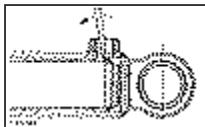
LX1024072-UN: Snap ring and bearing

Remove and install the bearing.

- a. Remove snap ring (B).
 - b. Press out bearing (A).
 - c. Bearing must be installed with its groove at right angles to center line of cylinder.
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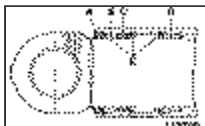
2. **LX1024073**
LX1024073-UN: Unclipping the snap ring



- L115387-UN: Removing snap ring

Remove the piston rod.

- a. Disengage one end of snap ring (A) by means of a screwdriver and press over collar.
- b. Turn piston rod to remove snap ring.
- c. Pull the piston rod out of the cylinder.



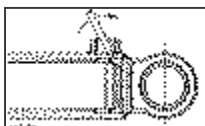
3. **LX009518-UN**: Hitch cylinder seals

LEGEND:

- A - Wiper seal
- B - Bushing
- C - Seal ring
- D - Bushing
- E - Snap ring

Remove and install the seals on the lift shaft cylinder.

- a. Remove parts (A) to (E).
- b. When the chamfers on bushings (B) and (D) are installed, they must face the snap rings (E).
- c. The sealing lip on seal ring (C) must face inward.



4. **L115388-UN**: Assembling the lift shaft cylinder

Install piston rod.

- a. Slide snap ring and piston rod into cylinder.
 - b. Use piston rod to press snap ring to cylinder base.
 - c. Press one end of snap ring over collar. Turn piston rod until snap ring is locked in piston rod groove.
5. Install the lift cylinders. See "[Hitch — Installing the lift cylinders](#)" in this group.

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