

Technical information



STOLL front loaders

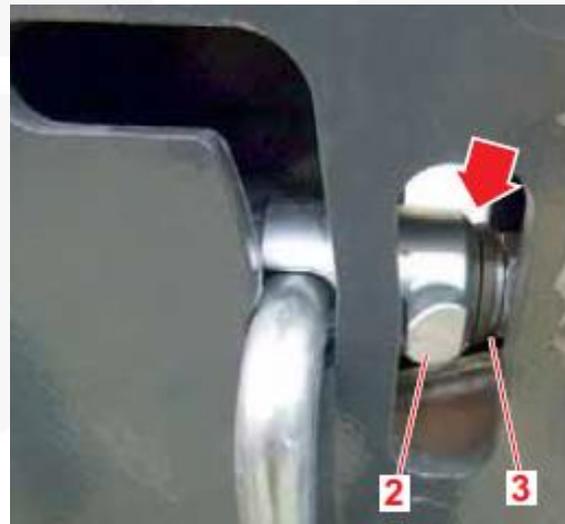
Check and set the locking device Double Locking

Scope:	Stoll front loader with double locking device
Symptom:	very smooth-running locking lever, too much play in the mount
Possible cause:	Worn locking device, locking device not set

The front loader locking device is a part that is subject to wear. This requires regular inspections and maintenance/adjustments. Failure to do so can cause serious harm and put people at risk.

The locking device should be set in such a way that the lever does not rattle in the locked position. Make sure that the slide guide of the drive-in system and the locking wedge have been sufficiently greased. In addition, the disc spring set (arrow) should be sprayed on the locking bar using a low-viscosity multi-functional oil so that it runs smoothly.

If there is a double locking device, the two lugs (2) and the strong disc springs of the rotary latch perform the actual locking of the drive-in system. The lugs are supported by the columns, position the wedge and the column is locked. When it is in the locked position, the hand lever (1) only has to secure the locking device from opening by itself.



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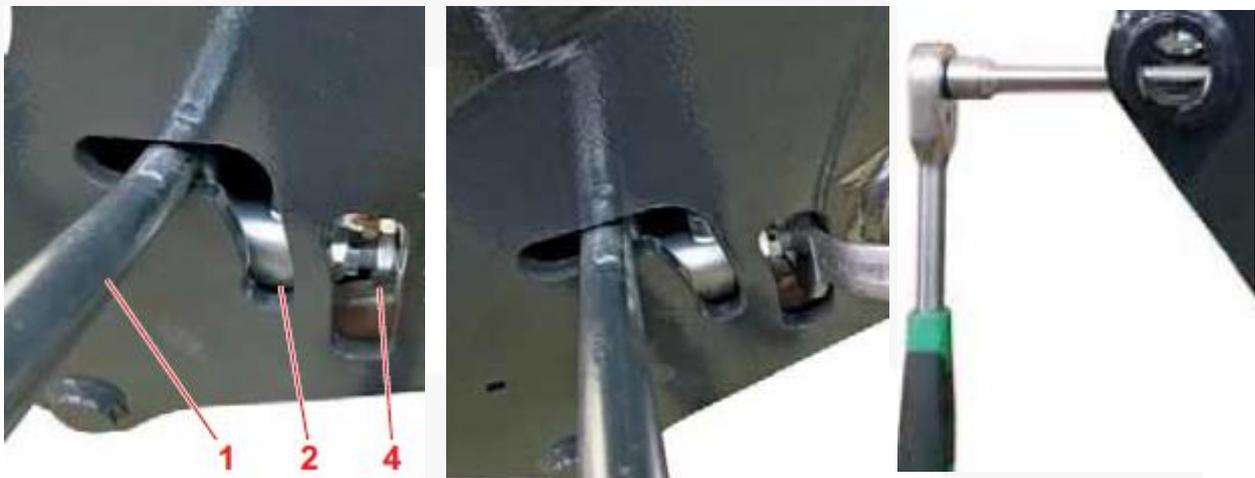
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Inspection of the locking device

When locking, you can see how far the disc springs (3) can be compressed; you can also see the extent of the initial load of the locking wedge.

If the gap (*arrow*) disappears almost completely on the disc spring set, then the wedge has reached its maximum initial load.

Setting the locking device



To set the lock, you will need an open-ended spanner (WAF 30), a ½" ratchet with the corresponding extension and 30 mm socket spanner.

- Lift the loader so that it is just a few centimetres above the ground.
- Fully open the locking device, lift lever (1) upwards.
- Loosen the lock nut (4) with an open-ended spanner via the locking device.
- Close the locking device again.
- Put the socket wrench through the opening on the column and onto the adjusting screw.
- Pre-tension the disc spring set by turning it to the left and observe the disc spring set (3).
- When the maximum initial load is reached (disc springs flat), undo by ¼ turn.
- Carry out some trial locking attempts and recheck disc spring unit.
- Open the locking device.
- Tighten the lock nut (4).
- Close the locking device.

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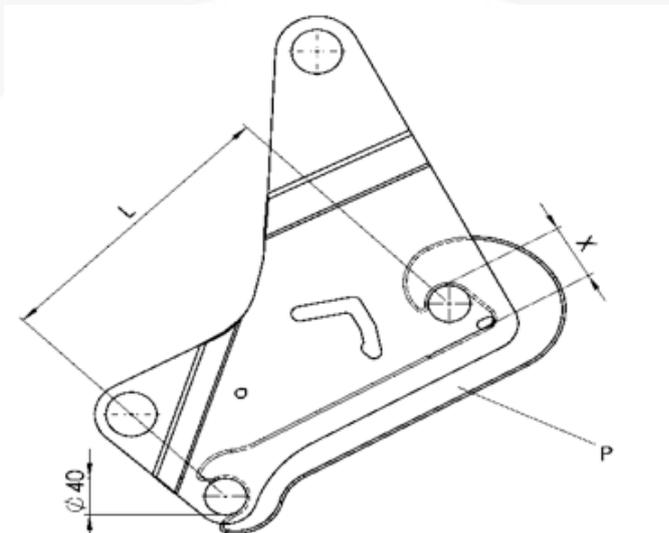
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Inspection of the drive-in system

If the setting of the locking device does not produce the desired results, the front loader must be unhooked so that the drive-in system can be inspected.

The system consists of the entry column with the locking system (front loader side) and the drive-in hook on the Stoll attachment (tractor side).

On the entry column, check the two welded 40 mm bolts and the adjusting screw with locking wedge. The wedge must not show any signs of wear, indentations or other damage.



On the drive-in hook, check the front carriage of the 40 mm shaft and the hook (dimension of X max 63.2 mm). The hook is supplied as a weld-on part as a spare part.

If wear has been detected, the corresponding components must be replaced.

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