

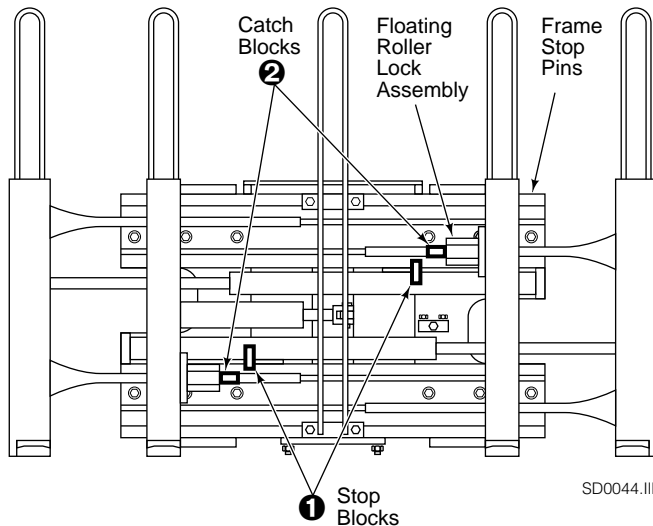


Technical Bulletin

Single-Double Pallet Handler Floating Roller Lock Inspection and Troubleshooting

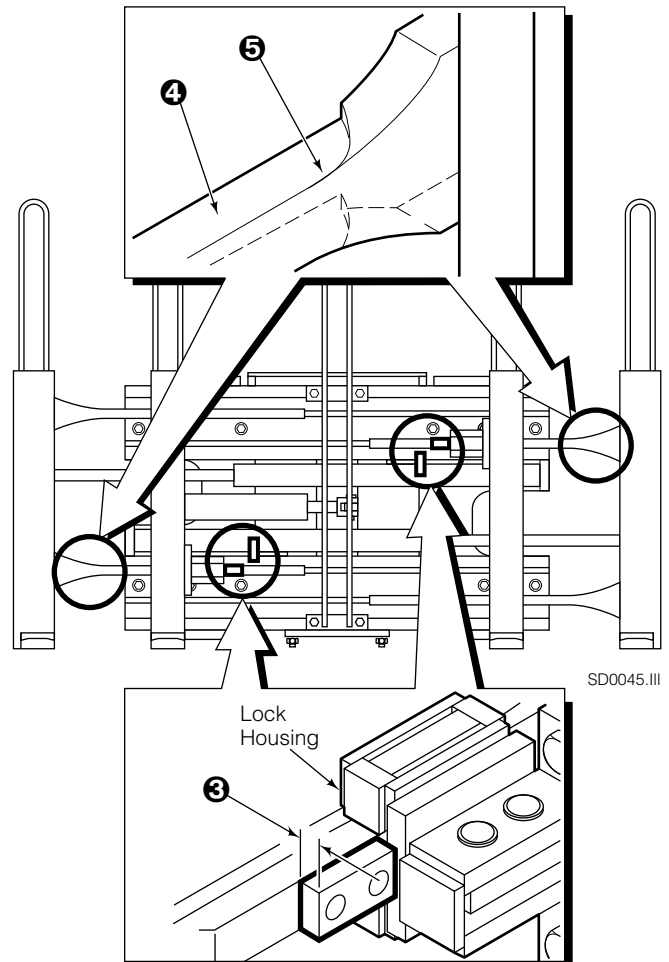
This sheet describes the floating roller lock inspection and troubleshooting procedures for Single-Double Pallet Handlers. Refer to Service Manual 206531 for specific disassembly, reassembly and lubrication procedures.

- 1 Check the stop blocks that actuate the lock assembly release pins. If the stop block is being hit by the lock housing before the cylinder bottoms, this is an indication that the stop needs to be moved inward. If the problem is not remedied the stop could break off or damage the release pin. Relocation of the stops may be required.
- 2 Check the catch blocks on the face of the arm bars. Catch blocks in the wrong location could lead to improper fork spread for the pallets, and the inner forks striking the frame stop pins before the cylinders are fully extended.



- 3 Check the thickness of the catch blocks on the face of the arm bars. If the block is not thick enough, it could slip under the lock housing and cause damage to the housing.

- 4 Check the roughness of the arm bar top and bottom surfaces. The lock assemblies will function on fairly worn arm bars, but if there is any question of acceptability, the arm bars should be replaced.
- 5 Check the flare (top and bottom) on the machined arm bars. A bright spot on the leading edge of the flare indicates this surface is interfering with the lock roller, which could lead to premature roller failure. If necessary, grind back and smooth the transition to eliminate the interference.



NOTE: This information should not be interpreted as the basis for warranty claims unless so designated.
Part No. 212363

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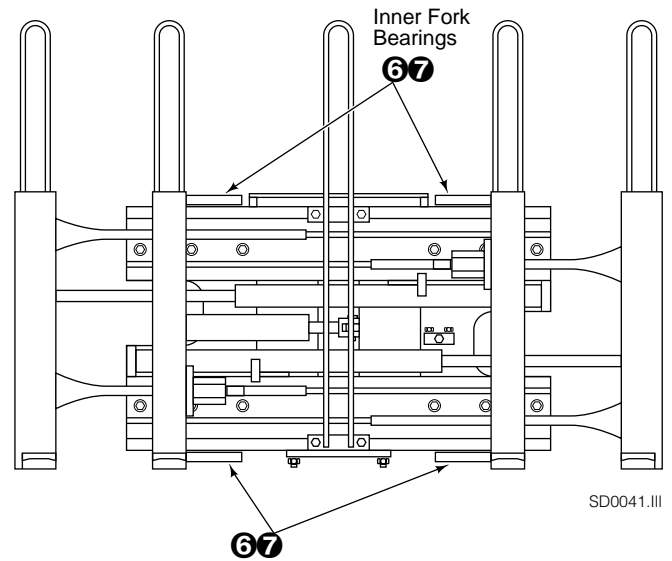
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- 6 Check the condition of the inner fork bearings. If any part of the bearing is less than .08 in. (2 mm) thick, it should be replaced.
- 7 Check for adequate lubrication of the inner fork bearings.



- 8 Check for bent or damaged lock release pins. If the pin cannot move freely to release the lock from the arm bar, it should be replaced.
- 9 Remove the lock assembly from the fork. Inspect inside the housing for debris that may be inhibiting the release mechanism.
- 10 Check for weld splatter on the ramp surface inside the housing. Weld splatter can restrict free movement of the rollers.
- 11 Inspect the lock rollers for flat spots or excessive wear. Replace the rollers if either condition is found.
- 12 Check for adequate lubrication of the lock rollers.
- 13 If the lock housing is gouging the front surface of the frame, loosen the housing mounting capscrews and shift the housing forward in the slotted holes to increase clearance between the housing and frame.

Roller Lock Assembly

