

Pneumatic Hold Table Maintenance and Service

This section will describe service procedures for major mechanical elements of a Lift Table with Power Roll Bed (Normal Application) installed.

⚠ WARNING ⚠

- Only qualified and trained personnel should perform the disassembly and assembly of electrical and mechanical components.
- Before attempting any maintenance on this equipment all involved personnel should follow plant internal regulations along with any state, federal, or province regulations. Do not begin any repair procedure until the proper shutdown procedures and the appropriate power lockout procedures have been applied.

Mechanical Steps for Securing Pneumatic Hold Table for Maintenance

- 1 Remove any payload from the pneumatic lift.



- 2 Cut and Lock Out power to the lift using your plant's safety procedures.



- 3 Remove applicable safety covers.



Positioning the Lift

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- Activate the pneumatic cylinder to raise or lower the lift table.
- Adjust the table to the maintenance height required for your operation.
- Carefully observe the alignment of the table and the stop block holes.



Inserting the Safety Pin

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- Once the desired height is reached and the holes in the lift and stop block are properly lined up, insert the safety pin fully through the designated holes.
- This mechanical lock ensures the lift table remains securely in place during maintenance activities.
- Double-check that the pin is seated correctly and cannot be accidentally dislodged.



Once Maintenance Task is Complete

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- Remove Safety Pin before attempting to operate the lift table's pneumatic controls for testing or normal operation. Securely return the pin to the storage location on the lift.



How to Replace Cam Roller on Lift Table

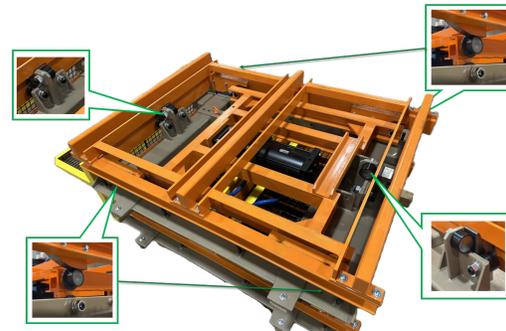
- 1 Lock Out the power to the lift using your plant's safety procedures.



- 2 Remove applicable safety covers and follow *Mechanical Steps for Securing Pneumatic Lift Table for Maintenance* as listed at the beginning of this section to safely secure the lift for maintenance on the equipment.



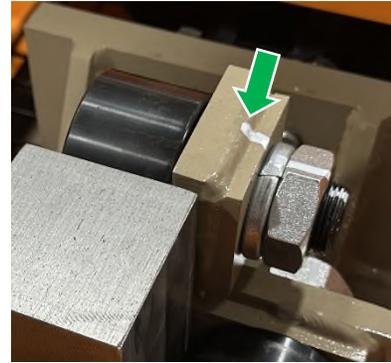
- 3 There are multiple locations where cam rollers are utilized. The following maintenance steps apply for all.



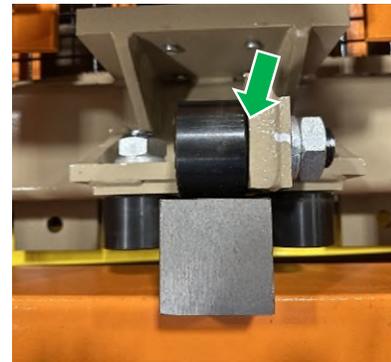
- 4 Inspect the mounting surface for damage or wear. If damaged, address as necessary before installing the new roller.



- 5 Remove damaged cam roller by loosening nut on the backside of roller.



- 6 Replace with new by aligning with the mounting holes and fastening in place with new washer and nut.



- 7 Inspect the assembly to confirm that all components are secure and correctly installed. Ensure that the table is square, straight and level. Correct if necessary.



- 8 Remove the safety pin from the Lift Table Safety Block.



- 9 Restore power and cycle the table. Listen and look for any unusual noises, vibrations, or misalignments. Make final adjustments if necessary.





- 10 Lock Out the system again to return all safety covers then operate as normal.

How to Replace Pneumatic Cylinder

- 1 Lock Out the power to the lift using your plant's safety procedures.



- 2 Remove applicable safety covers and follow *Mechanical Steps for Securing Pneumatic Lift Table for Maintenance* as listed at the beginning of this section to safely secure the lift for maintenance on the equipment.



- 3 Locate the pneumatic cylinder on the equipment and make note of how the cylinder is installed, including air line connections, mounting brackets, etc.



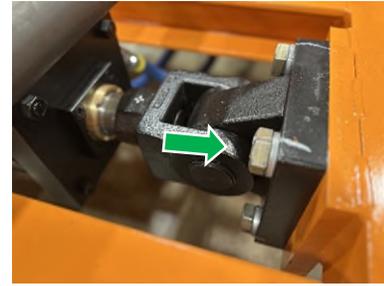
- 4 Ensure all air lines and the cylinder itself are fully depressurized. Confirm pressure gauges are at zero pressure.



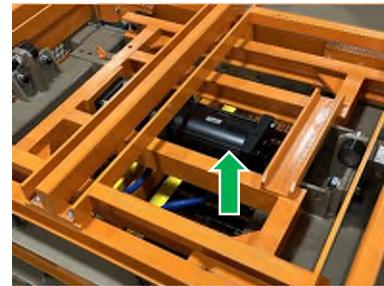
- 5 Mark each air line connected to the cylinder, using tags or colored tape. This will make reassembly much easier and reduce the risk of incorrect connections. Carefully disconnect the air lines and seal open air lines with caps or plugs to prevent contamination.



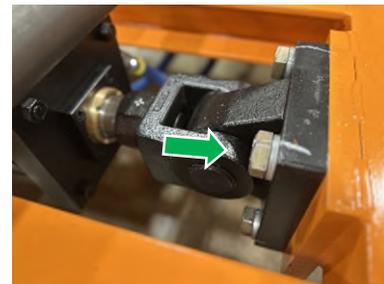
- 6 Unbolt the cylinder from its mounts.



- 7 Remove pneumatic cylinder out of frame and replace with new.



- 8 Resecure the cylinder to the mounting frame with new bolts and washers.



- 9 Reassembly air lines to the cylinder, matching connections as marked.



- 10 Gradually restore air pressure to the system, monitoring for any signs of leaks at the cylinder, fittings, or air lines. Inspect the lift to confirm that all other components are secure and correctly installed. Ensure that the table is square, straight and level. Correct if necessary.



- 11 Remove the safety pin from the Lift Table Safety Block.



- 12 Restore power and cycle the table. Watch the cylinder run through its full stroke several times, observing its operation for smoothness and proper movement. Listen and look for any unusual noises, vibrations, or misalignments. Make final adjustments if necessary.



- 13 Lock Out the system again to return all safety covers then operate as normal.

