

Hold Table Maintenance & Service

This section will describe service procedures for major mechanical elements of a Hold Table.

⚠ 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.

Placing the Hold Table into the Maintenance Position

- 1 Remove any payload from the Hold Table.



- 2 Move the lift to the full down position.



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

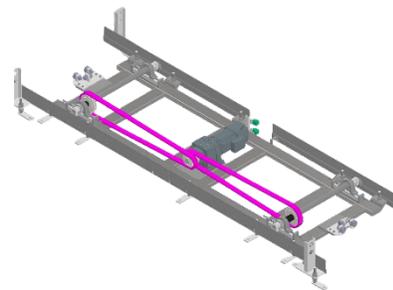


How to Replace the Lifting Chains

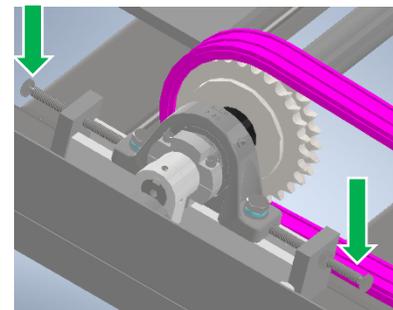
- 1 Place the lift into the maintenance position. Lock Out the power to the lift using your plant's safety procedures.



- 2 Remove covers.



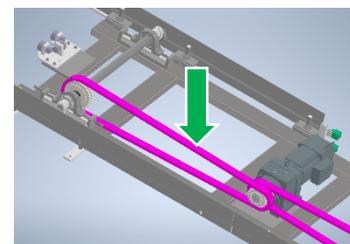
- 3 Loosen the jack screws for the pillow block bearing on the side of the table where the chain needs to be replaced.



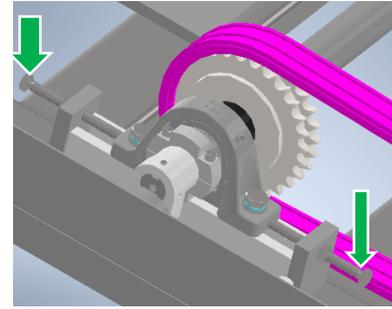
- 4 Locate the connecting link of the chain to open for chain removal from sprockets.



- 5 Replace chain with new and connect chain with new connecting link.



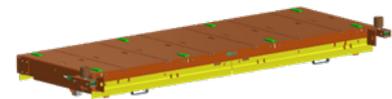
- 6 Tighten the jack screws for the pillow block bearing on the side of the table where the chain needs to be replaced. **Do Not Overtighten** - roller chain is normally used with a suitable amount of slack.



- 7 Cycle the table and observe that the chains are tracking straight. Ensure that the table is square, straight and level. Correct if necessary.



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

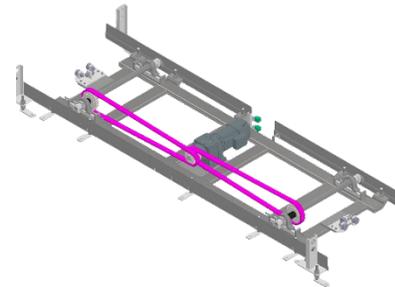


How to Replace the Drive Pulley

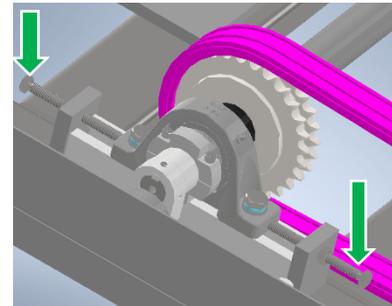
- 1 Place the lift into the maintenance position. Lock Out the power to the lift using your plant's safety procedures.



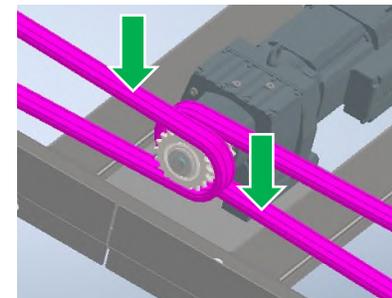
- 2 Remove covers.



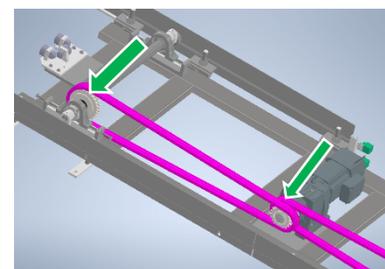
- 3 Loosen the jack screws for the pillow block bearings on both sides to create enough slack to remove chains from pulley. If there is not enough slack, chain may require to be disconnected at connecting link. Follow *"How to Replace the Lifting Chains"* instructions if necessary.



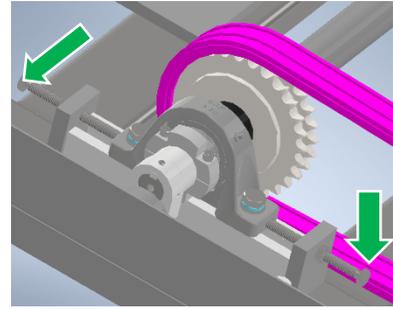
- 4 Remove chains from drive sprocket and replace sprocket.



- 5 Return chains to drive sprocket and ensure chain is properly on sprocket on cam shaft.



- 6 Tighten the jack screws for the pillow block bearing on the side of the table where the chain needs to be replaced. **Do Not Overtighten** - roller chain is normally used with a suitable amount of slack.



- 7 Cycle the table and observe that the chains are tracking straight. Ensure that the table is square, straight and level. Correct if necessary.



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

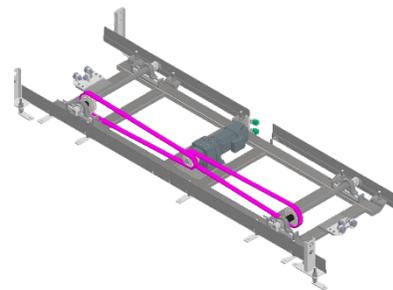


How to Replace the Drive Pulley

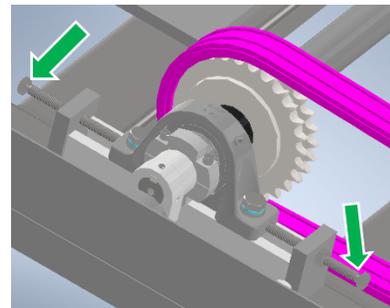
- 1 Place the lift into the maintenance position. Lock Out the power to the lift using your plant's safety procedures.



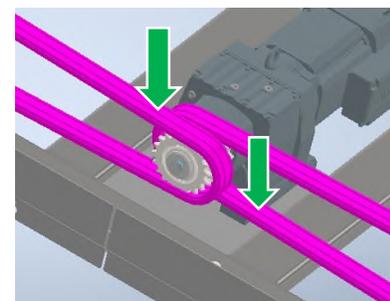
- 2 Remove covers.



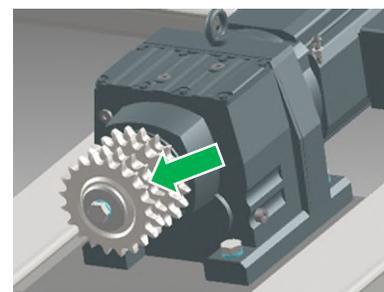
- 3 Loosen the jack screws for the pillow block bearings on both sides to create enough slack to remove chains from pulley. If there is not enough slack, chain may require to be disconnected at connecting link. Follow *"How to Replace the Lifting Chains"* instructions if necessary.



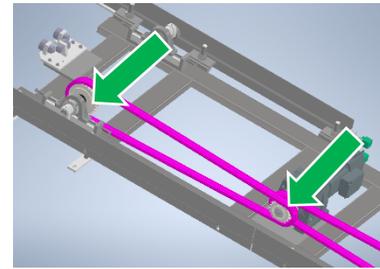
- 4 Remove chains from drive sprocket.



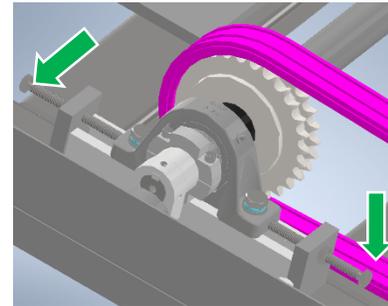
- 5 Remove sprocket by removing bolt from end of drive shaft. Replace with new sprocket.



- 6 Return chains to drive sprocket and ensure chain is properly on sprocket on cam shaft.



- 7 Tighten the jack screws for the pillow block bearing on the side of the table where the chain needs to be replaced. **Do Not Overtighten** - roller chain is normally used with a suitable amount of slack.



- 8 Cycle the table and observe that the chains are tracking straight. Ensure that the table is square, straight and level. Correct if necessary.



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

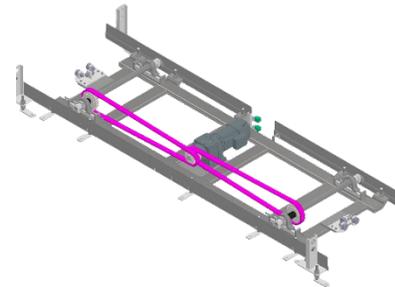


How to Replace the Drive for Lift Table

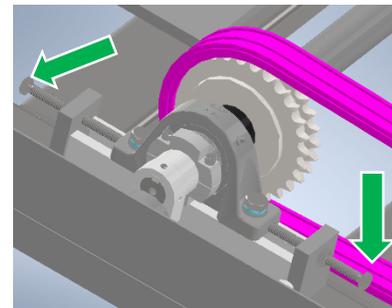
- 1 Place the lift into the maintenance position. Lock Out the power to the lift using your plant's safety procedures.



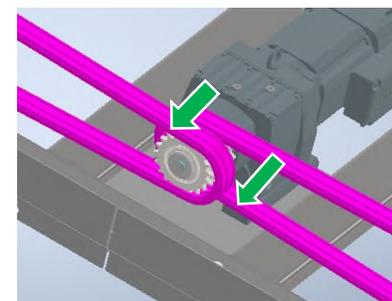
- 2 Remove covers.



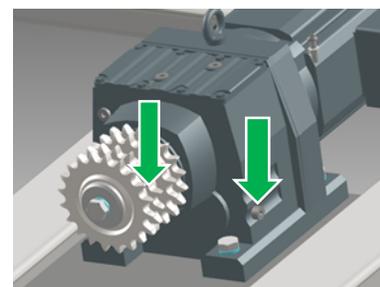
- 3 Loosen the jack screws for the pillow block bearings on both sides to create enough slack to remove chains from pulley. If there is not enough slack, chain may require to be disconnected at connecting link. Follow *“How to Replace the Lifting Chains”* instructions if necessary.



- 4 Remove chains from drive sprocket.

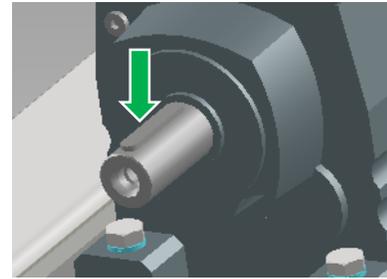


- 5 Loosen and remove the M16 bolts (4) that hold the lift motor to the lift table base.



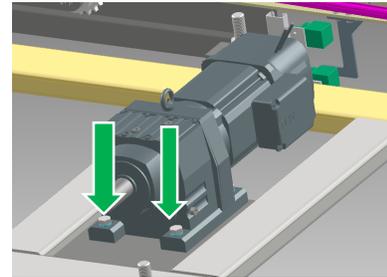
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Disconnect electric connections from motor and remove motor. Replace with new motor. Ensure motor came with the appropriate pre-filled oil and key stock is properly inserted on drive shaft.



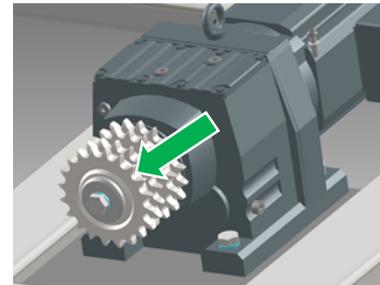
7

Once motor is square and level, tighten new M16 bolts (4) to the lift table base. Reconnect electrical connections.



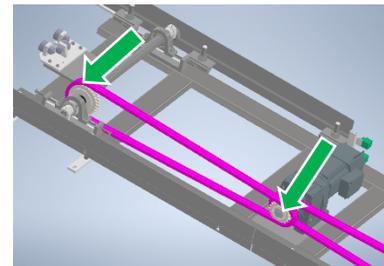
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Inspect the original drive sprocket before installing on drive shaft. If there is any noticeable wear, replace with new sprocket.



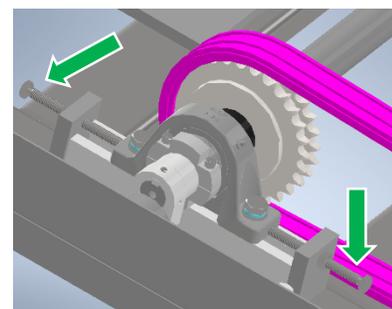
9

Return chains to drive sprocket and ensure chain is properly on sprocket on cam shaft.



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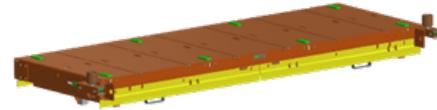
Tighten the jack screws for the pillow block bearing on the side of the table where the chain needs to be replaced. **Do Not Overtighten** - roller chain is normally used with a suitable amount of slack.



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- 11** Ensure all personnel have cleared the area, restore power to the system, cycle the table and observe that the motor is functioning properly, and chains are tracking straight. Ensure the table is square, straight and level, making corrections if necessary.



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- 12** Lock Out the system again to return safety covers then operate as normal.

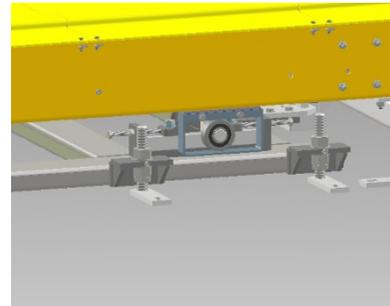


How to Replace Cam Roller

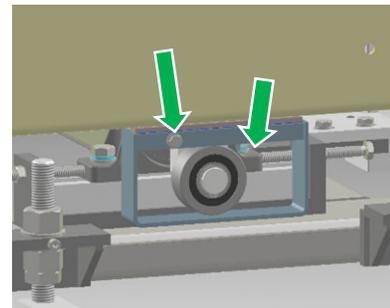
- 1 Place the lift into the maintenance position. Lock Out the power to the lift using your plant's safety procedures.



- 2 Remove side covers to gain access to cam roller rail area.



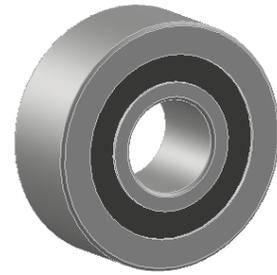
- 3 Loosen and remove the M8 bolts (2) that hold the cam roller rail to the lift table.



- 4 Remove the retainer ring from the original cam roller.



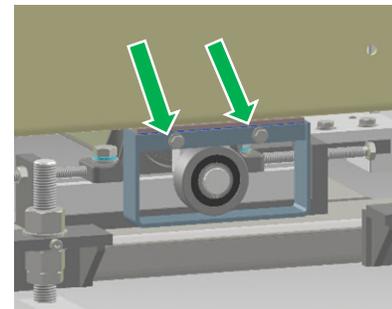
- 5 Replace the cam roller.



- 6 Install new retainer ring.



- 7 Reinstall cam roller rail with new M8 bolts (2).



- 11 Cycle the table and observe that the table is functioning properly. Ensure that the table is square, straight and level. Correct if necessary.



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

