Kodak

Automatic Pallet Loader

Replacing a Pusher Y-Hook Belt

15 Jan 2008

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Revision History

Revision	Date	Author	Comments
1	04 Jan 2008	A.Blignaut	First draft release. Published with no changes.
2	15 Jan 2008	A.Blignaut / J.Hogewoning	Edits from Jeff added.

1. OVERVIEW

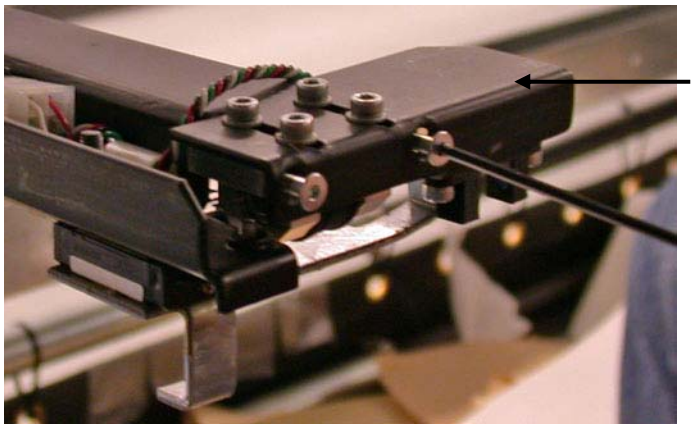
The pusher Y-hook belts must be inspected during the preventive maintenance procedure. If a belt is worn or damaged, then it must be replaced. This procedure describes how to replace and adjust a pusher Y-hook belt. The procedure is identical for both pushers.

2. PARTS/TOOLS NEEDED

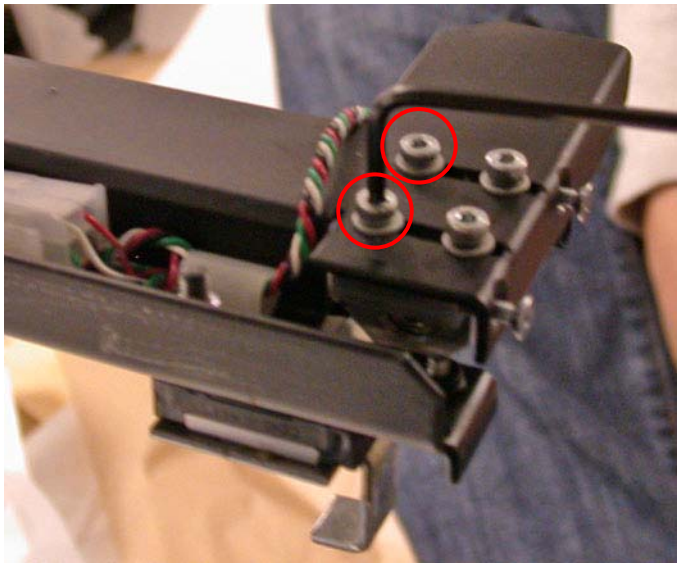
- Replacement belt (346-00075)
  The replacement belt should be approximately 845 mm (33.3 in.) long and 10 mm (0.4 in.) wide.

3. REPLACING A PUSHER Y-HOOK BELT

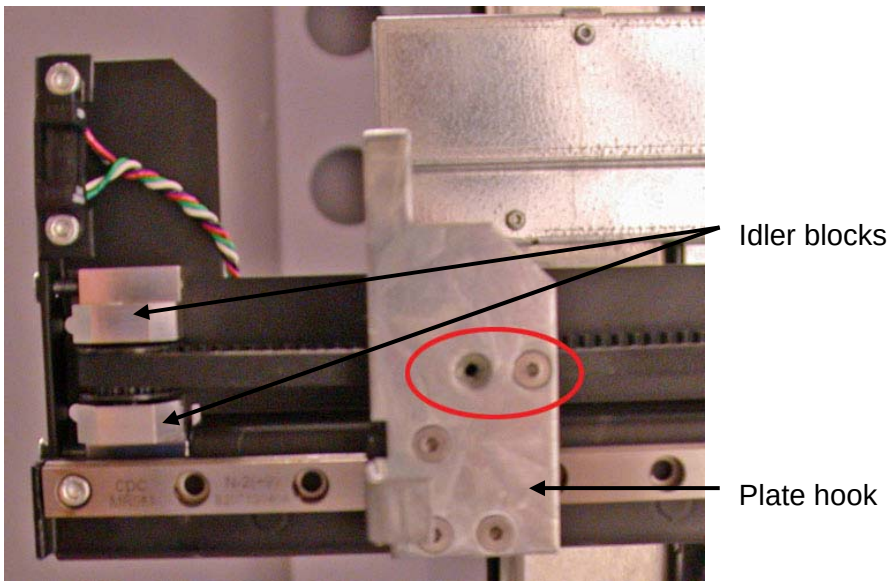
1. Unclamp the picker from the Y-belt. Type `>>apl picker belt off .`
2. Idle the pusher. Type `>>apl pusher y idle .`
3. Unlock the APL doors. Type `>>apl unlock .`
4. Open the rear doors to get access to the pusher carrier.
5. For easier access to the pusher, move the pusher to the rear of the APL by hand.
6. Loosen the two belt adjustment screws on the end of the pusher shoe.



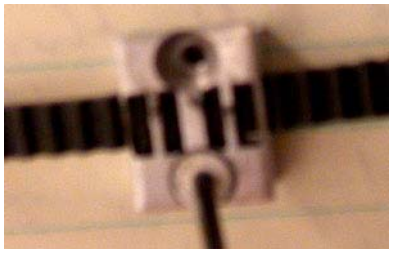
7. Loosen the two outer belt clamping screws on the top of the pusher shoe. Remove the two inner screws (circled) to give lots of slack in the belt when installing the new belt. The old Y-hook belt will now be slack.



8. Remove the two bottom screws (circled) that secure the plate hook to the belt joining clamp and slide the plate hook towards the motor so that it is out of the way.



9. Remove the belt clamp.
The clamp consists of two halves—one half on the smooth side of the belt and the slotted half on the toothed side of the belt.



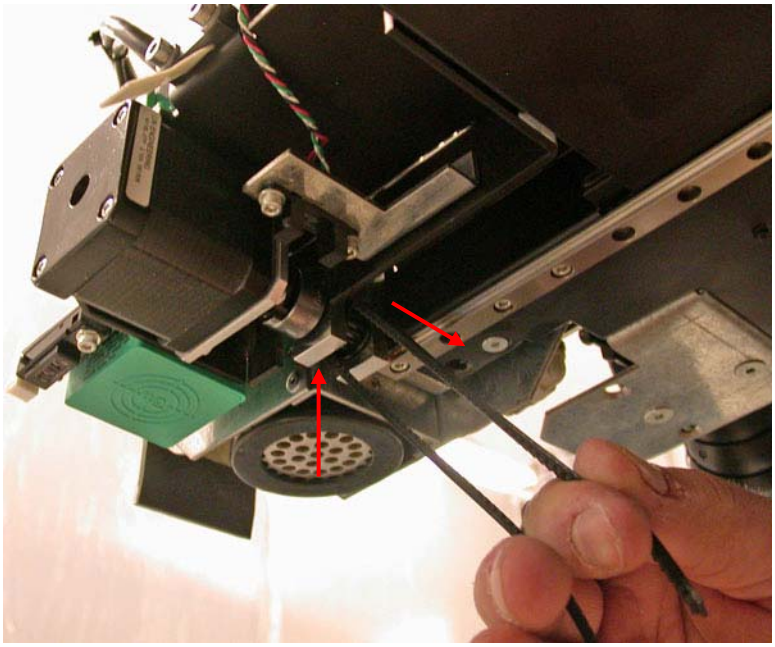
10. Take note of the belt routing and remove the belt from the pusher shoe.

11. To install the new belt:

    a) Start at the motor side of the pusher shoe and route the belt up and over the motor pulley—the toothed side of the belt must be facing the pulley.

    b) Route the belt over the sheet metal to the pulley at the other end of the pusher shoe.

    c) Go over the top of the end pulley and pull the two belt ends together.



12. Install the belt joining clamp to join the ends of the belt—there should be two teeth on either end of the belt in the belt clamp.
    Note: Tighten, but do not over-tighten the two clamp screws. Over-tightening will distort and damage the belt.

13. Slide the plate hook to the belt clamp and secure the hook to the clamp from the underside with two screws.

14. Install the two belt clamping screws that you removed in step 3. Do not tighten them yet.

15. Tighten the two belt adjustment screws evenly until the belt is tight. To check that the end pulley is square, measure the distances between the two idler blocks on the underside of the pusher shoe and the end of the pusher shoe—they must be the same. Do not over-tighten the belt.