

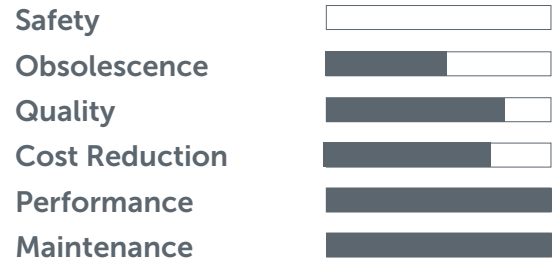
Updated Cam/Linkage Assembly

TIP Z044-0001

Collator

Benefits:

- Cost Effective upgrade to decrease maintenance and fatigue failure
- Improves performance with a stronger, lighter, and more consistent part
- Easier to maintain requiring less maintenance and easier to adjust



Revised Design



Original Design

Updated Cam/Linkage Assembly

Machine Model for Improvement: ELS Collators only

Description of Improvement:

This improvement eliminates the turn buckle arrangement and replaces the components with aircraft grade aluminum parts to provide a stronger, lighter and longer lasting mechanism to drive the vane between the upper and lower belt positions. The older design had two primary weaknesses, the turn buckle required special consideration during installation to get the two sides of the vane adjusted correctly. And secondly, there was a stress concentration at the end of the turn buckle that caused component failures over time. The new design is a single piece construction that is strong overall, does not have the stress concentration point and does not require any adjustment during installation.

Updated Cam/Linkage Assembly

Included in this TIP:

- All required parts
- Necessary engineering
- Updated documentation pages for relevant sections

Estimated downtime, no production:

- 3 days

Estimated startup, limited production:

- 1 day

Estimated monitoring in production:

- 1 day

Required manpower:

- 1 BW Papersystems Mechanical Field Service Engineer
- 1 BW Papersystems Electrical Engineer
- Additional Assistance from Customers' Maintenance

(Additional local resources to be determined, if needed)

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