



Belvac Production Machinery Technical Bulletin

Information for Customers Operating & Maintaining Belvac Machines

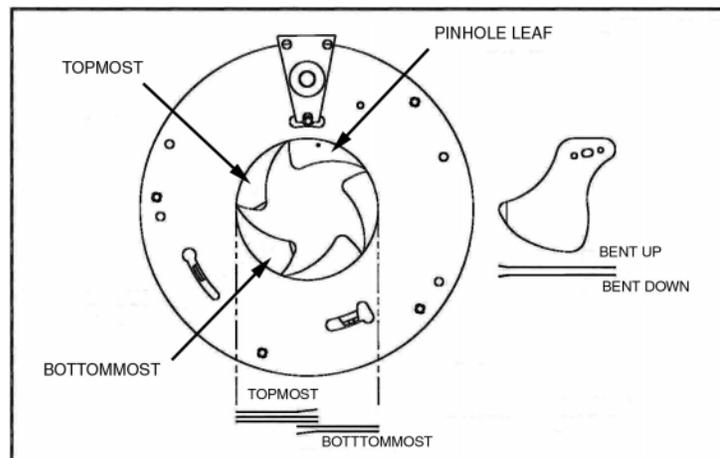
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Servo Shutter Enhancements for 595K and 595SK Light Testers

Bent Leaf

Belvac Production Machinery has enhanced the (patent pending) servo shutter by replacing two of the five standard straight leaves with bent leaves. The bent leaves reduce the friction area between the leaves, yielding more cycles per shutter assembly. Originally, five straight leaves overlapped and closed to block empty pocket saturation, or when a shutter test is performed. Over a period of time, friction causes the leaves to tear and the shutter fails. The new design replaces the topmost and bottommost leaves with "bent up" and "bent down" leaves respectively, reducing the friction and adding more cycles to the assembly.

Figure 1. Bent Leaf Shutter



BOM Spares

Belvac has included with every Light Tester purchased since November 2002 a spare shutter (3710242) and six shutter rebuild kits (3710316) to aid customers in first year spare parts purchases. The spare shutter is used to replace the shipped shutter during rebuild, and the rebuild kits are used to rebuild each shutter.

Warranty Policy

The warranty policy for the shutter assembly is 50,000 cycles at up to 2,000 cycles per day.

Recording and Resetting Instructions

The LT is programmed to count the number of shutter cycles. Before a new shutter is installed the operator must verify the cycle count by pressing the "Menu" button until the Sencon Data Displays "Shutter Cycle Count x 1000."

Once the shutter is installed the cycle count must be reset by pressing the "Menu" button until the Sencon Data Displays "Shutter Cycle Count x 1000." Press 1, then 4, then the "Clear" button to reset. The display should indicate "Shutter Cycle Count x 1000 = 000."

Contact Belvac Sales or Service Representatives for ordering information.
All Technical Bulletins may be viewed on Belvac's web site, www.belvac.com.

