



Rev. 03-10-2020

Automatic Out-of-Range Assistant Spring part # **PPP-AORAS** (package of 2)

If you're using this popular automatic out-of-range device;

Use this spring for consistent automatic out-of-range adjustments to insure against needless occasional spare set-ups and machine stops.

Spring will not alter other machine detector functions.

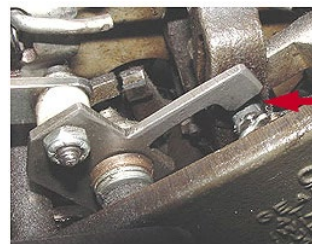
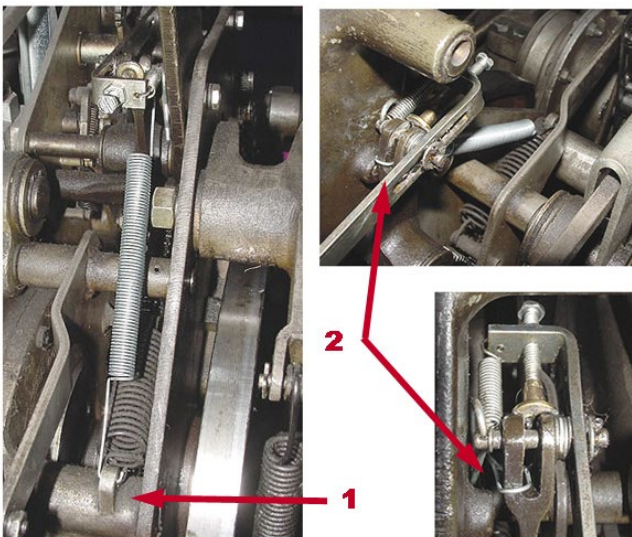


Timing is everything. This Automatic Out-of-Range Assistant Spring keeps consistent detector bell crank tension against the automatic out-of-range adjustment bolt throughout the entire machine cycle allowing, at all times, precise hook pivoting over (and away from) the post on the selector arm assembly.

Bell crank link bushing wear, spring tension pauses and other slightly out-of-tolerance detector parts offer a variety of outcomes against the bell crank leading to unreliable automatic out-of-range adjustments and time wasted in spare set-ups or machine stops.

These springs have been used by a mechanic for over 15 years in a 24 lane A2 center, and the automatic out-of-ranges have never needed readjustment.

The image grouping below shows easy spring install in existing locations and recommended adjustment.



at 0°  
1/8" gap  
(nominal)

Recommended adjustment,  
machine at zero degrees

**1** Clutch Reset Lever Spring Mounting Hole

**2** Detector Out-of-Range Bellcrank Lever