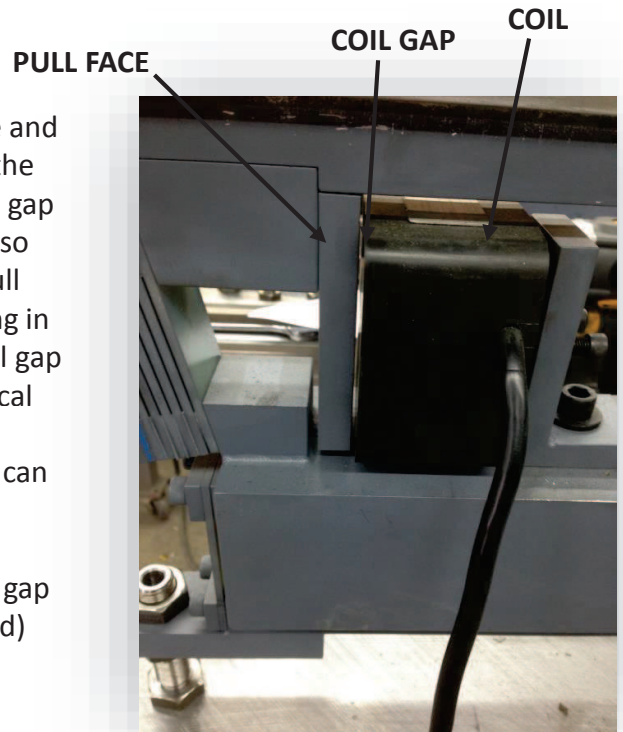


## DECREASE IN FEED RATE

### COIL GAP

The coil gap (the space between the coil surface and the pull face) must be set correctly in order for the coil to vibrate the feeder bowl properly. The coil gap must be set far enough apart from the pull face so that the coil cannot make contact against the pull face. The gap must also not be too large resulting in loss of vibration and feed rate. Too large of a coil gap will also cause the coil to draw increased electrical current, which may cause overheating and permanent coil damage. Generally, the coil gap can be set using feeler gauges set at the following specifications.

- For coils operating at 120 Hz, allow 0.035" coil gap
- For coils operating at 60 Hz, (half-wave rectified) allow 0.060" coil gap



### DEBRIS BETWEEN THE SPRINGS

Over time, dirt and oil can become lodged in the spaces between the springs causing improper resonance and therefore affecting the feed rate. Solid debris such as metal fragments can also become trapped between springs and cause abrasive damage to the springs. In these instances, spring banks should be removed, dismantled and thoroughly cleaned.



**THE SPACE BETWEEN THE SPRINGS  
CAN TRAP DIRT AND DEBRIS**