

# KOILMATIC Quick Setup Instructions

*This Quick Setup Guide is not intended to replace the manual. The manual contains important safety and job preparation information and should be reviewed thoroughly before operating the PBS Koilmatic*

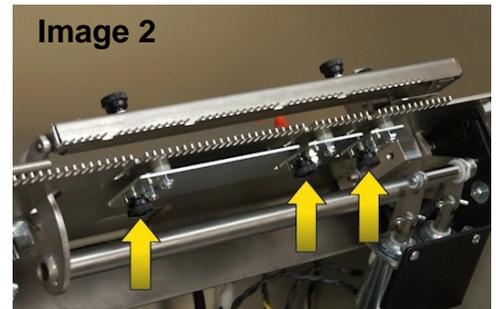
## 1) Select coil size using coil sizing gauge

- The diameter of coil to be used depends on the thickness of the book that's to be bound. Place your pre-punched document in the coil sizing gauge located on the right side of the Koilmatic (Image 1). You'll also find a coil sizing chart in your manual that can help you determine the correct size of coil for your binding job.



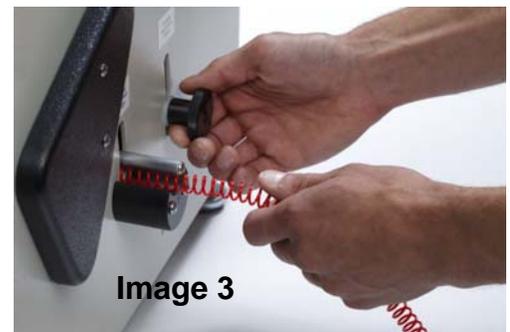
## 2) Install spine formers

- The spine formers are located inside the front panel of the machine. They are designed to shape the book to match the curve of the coil. The spine formers correspond with the coil diameter being used, as determined in Step 1. To install the spine formers, grasp the platen by the book clamp and lift up until the platen latches into the second position. Install the first spine former into the slot on the far left. Install the second spine former into one of the other two slots – using the middle slot for an 8.5"/A5 edge or the outside slot for an 11"/A4 binding edge (Image 2).



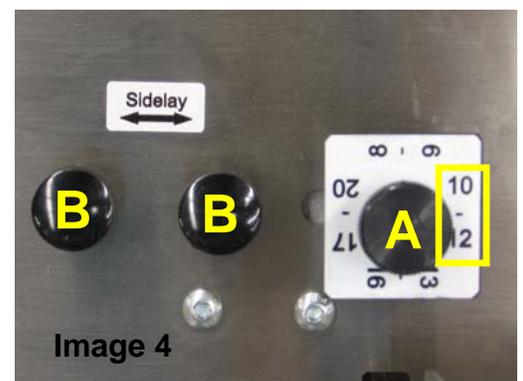
## 3) Adjust carriage position using coil sample

- The carriage adjustment gauge is located on the right side of the machine. Loosen the knob and use it to lift the carriage. Place a piece of the selected coil diameter in the carriage adjustment gauge and then lower the carriage until the pin of the gauge is just touching the coil. Then tighten the adjustment knob to lock the carriage in place. (Image 3)



## 4) Select sidelay angle

- The sidelay is the angled block on the front of the machine. It is designed to angle the positioned book to match the angle of the coil. To change the setting, loosen the thumbscrew (Item "A") on the sidelay and rotate the block to the side that corresponds to the selected coil diameter. The example shown in Image 4 displays the sidelay set for coil diameters 10, 11 or 12mm.



## 5) Adjust sidelay position

- Place a pre-punched back cover from the pending binding job into position on the selected spine formers that have been installed in the machine. This back cover will act as your setup guide. When you're sure this back cover is lying flat on the platen and in the bottom of the spine formers, loosen the thumbscrew on the sidelay (Item "A") as well as the two thumbscrews to the left of the sidelay (Items "B"). The sidelay can now be manually moved left or right. Adjust it accordingly so that a bit of platen tooth is visible on either edge behind each punched hole.

## 6) Adjust book clamp position

- The book clamp has two settings that need to be adjusted. The first step is to set the pre-stage position of the machine. Loosen the adjustment knob on the side of the book gauge and place the binding edge of the book into the gauge (Image 5). Bring the clamp down so it's resting on the book then re-tighten the knob.

The 2<sup>nd</sup> step is to adjust the book clamp comb. Place the book onto the installed spine formers and jog the book against the sidelay. Looking at the book clamp comb, you'll notice that the comb has 4 wider tooth gaps. Loosen the thumbscrews on the front of the book clamp and slide the clamp left or right so that the installed spine formers clear through those gaps when the book clamp is pressed down against the positioned book. Then make sure that the teeth of the comb are between the punched holes (Image 6), a little closer to the left edge of each hole. This setting provides clearance for the coil as it inserts into the book. Once correctly positioned, re-tighten the thumb screws.



Image 5

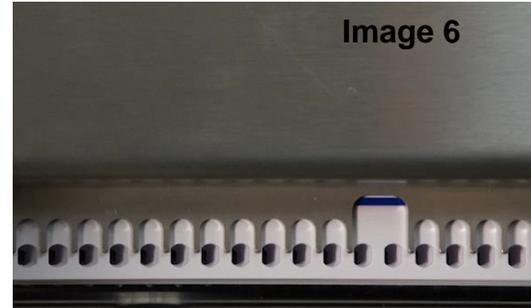
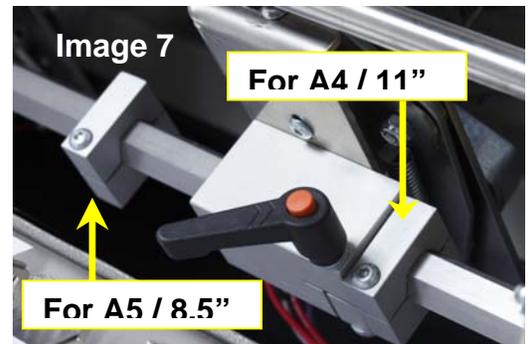


Image 6

*Important Note: Before proceeding to step 7, you must first insert a coil into the book. Turn the machine power on, switch the machine to Set-up Mode and close the front cover. Place a punched book on the spine formers making sure it is position and jogged against the sidelay. Now press the Manual Step button once (this engages pre-stage). Place a piece of coil on the rubber roller and press the Manual Step button once more to fully engage the book clamp. Press the Manual Step a third time to insert the coil into the punched book.*

## 7) Position cut and bend heads

- The cut and bend heads cut the coil to the proper length after insertion, and crimp the ends so that the coil can't back out of the book. With the book still clamped, loosen the locking clamp handles that secure the cutting and bending heads. This will allow you to slide them from side to side. The left side cut and bend head will only need to be moved slightly between jobs. The Koilmatic has convenient preset mounted blocks to allow you to quickly position the right side cut and bend head for the common 8.5" – A5 – 11" – A4 binding edges. For an 8.5" or A5, binding edge, slide the assembly against the left mounted block. For an 11" or A4 binding edge, slide the assembly against the right mounted block (Image 7).



For A5 / 8.5"

For A4 / 11"

## 8) Adjust flap feeders

- The flap feeder block has 2 rectangular shaped pieces of rubber that spin as the coil drives into the book, assisting the coil as it travels through. Loosen the thumbscrew that secures the flap feeder block and slide it so it is positioned in the middle of the two cut & bend assemblies. Once it's in position, tighten the thumbscrew (Image 8).

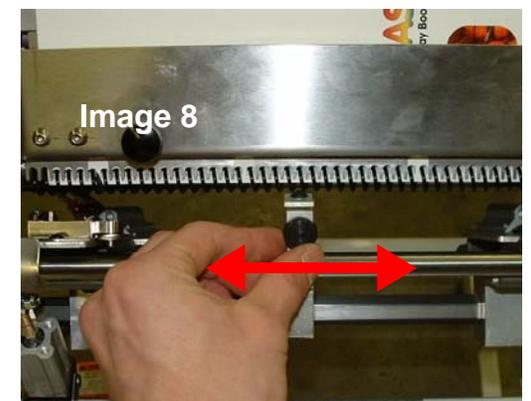


Image 8

## 9) Place coil stop

- The coil stop prevents the coil from inserting too far through the book. The coil stop is positioned by clamping it onto the book clamp approximately 1/2" to the right of the book. Secure by tightening the thumbscrew. This ensures that at least half of the offcut coil will be on each side of the book, a setting that improves machine efficiency (Image 9).



Image 9