

## Sailrite PowerPlus Balance Wheel for MC-SCR: POWERPLUS WHEEL INSTALLATION

The optional PowerPlus Balance Wheel for MC-SCR is a large diameter wheel that slows the machine down and increases power. This wheel uses a toothed timing belt in place of the 3L drive belt to eliminate belt slippage. It also comes with a cogged motor pulley.



▶ PowerPlus Balance Wheel for MC-SCR (#100849)

### INSTALL THE POWERPLUS WHEEL

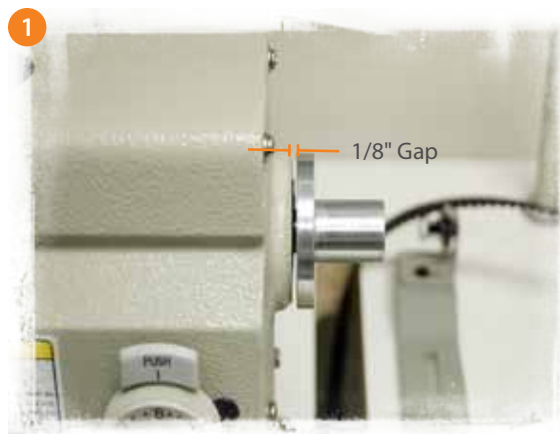
If using the optional PowerPlus balance wheel (#100847), install the wheel after mounting the MC-SCR power system:

#### 1. Remove the standard balance wheel.

The original balance wheel is most likely secured to the sewing machine's shaft by 1 or 2 screws in a flange in or near the belt track. There may also be a large screw at the very end of the shaft for mounting the wheel. Remove the large screw and loosen the set screw(s) in the belt groove area to release the balance wheel and expose the shaft.

#### 2. Position the PowerPlus balance wheel.

Carefully install the balance wheel bushing (select the bushing that fits your sewing machine shaft) on the exposed shaft so it is 1/8" from the casting of the machine (Figure 1). Screw it down tightly with the two allen head set screws. Then slide the PowerPlus wheel onto the bushing and align the holes.



#### 3. Secure the PowerPlus balance wheel.

Push two truss head screws through the wheel holes, engage with the threaded holes of the bushing, and tighten (Figure 2). The remaining hole in the PowerPlus wheel (slightly offset) is for installation of an optional handcrank.

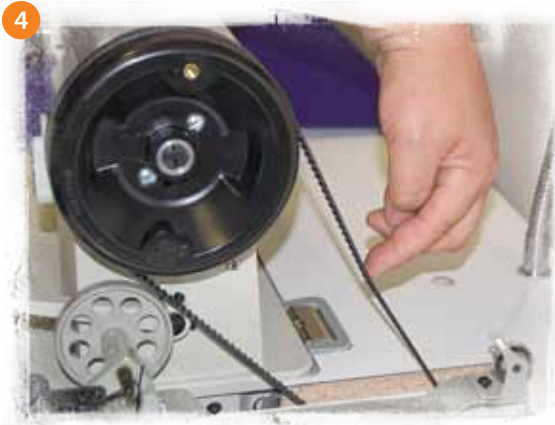


### ADJUST THE TIMING BELT

Insert the cogged motor pulley on the end of the mounted MC-SCR motor and tighten the set screw on the shaft flat (Figure 3). Align the pulley with the balance wheel belt groove and then really tighten down the screw.



Put the timing belt around the motor pulley and guide it up and over the PowerPlus balance wheel. Adjust the belt tension so that it has 1/16" slack when depressed at its midpoint (**Figure 4**). Adjust by moving the motor position in the motor bracket slots. Loosen the nuts, adjust the motor position, and retighten.



Reposition the belt driven bobbin winder as necessary to fill bobbins.

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