

R-SK-7003

# SIDEKICK™ POLY DRIVE BAND

## INSTALLATION



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## TOOLS REQUIRED

#2 Phillips screwdriver  
scissors (optional)

### REMOVE THE OLD DRIVE BAND

1. Remove the flyer, bobbin, and whorl. Hook the Scotch tension brake over the Scotch tension peg (Figure 1A). Let the drive band hang freely.
2. Remove the maidens: Hold the front maiden quick release lever and unscrew its knob (on the right side of the wheel). Remove this knob and the washer. Pull the lever handle to the left until the shaft comes completely out of the front maiden. Remove the front maiden from the wheel (Figure 1B). Open the rear maiden quick release lever and repeat this process to remove the rear maiden.
3. Position the treadles for drive band replacement: Disconnect both footmen and open the treadle quick release lever. Slide the treadles apart. Leave the left treadle down and set the right treadle in folded position, secured to the right side with a footman knob (Figure 2).
4. Look at the right side of the upright wheel to locate the two screws underneath the treadle. These screws go through the center brace and into propeller nuts on the left side (Figures 3 and 4A). Remove these screws or loosen them enough to detach the left side from the center brace. Save the screws for Step 7.

5. Set the Sidekick on its right side, with the right treadle still folded. Fold the left treadle out of the way so that you can see the propeller nuts in the left side (Figure 4A). Pull the left side away from the center brace to make a small gap.
6. Remove the old drive band: cut it and pull it off the wheel, or remove in one piece by pulling it off the pulleys and toward the treadles, then slipping it out through the gap between the left side and the center brace (Figure 4B).

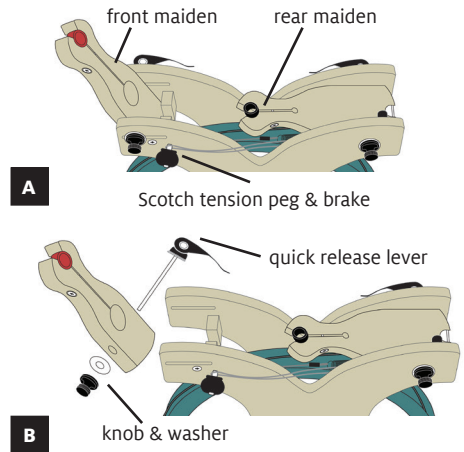


FIGURE 1: REMOVE MAIDENS

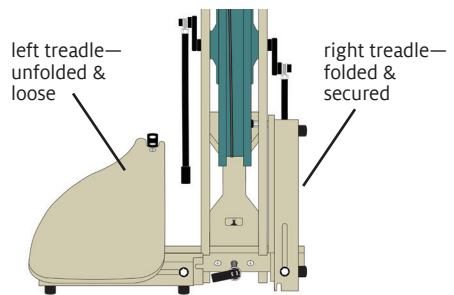


FIGURE 2: POSITION TREADLES

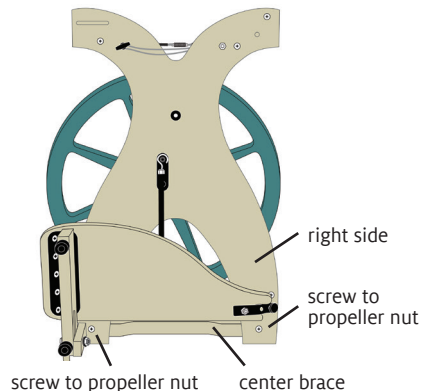


FIGURE 3: REMOVE SCREWS

## INSTALL THE NEW DRIVE BAND

**7.** Install at the bottom of the wheel: Slip the new drive band between the center brace and the left side (Figure 4B). Work the drive band around wood parts and hardware—you may need to rotate the left side slightly.

**8.** Reattach the wheel sides: Stand the Sidekick upright. From the right side, install the screws you removed in Step 4 (shown in Figure 3). Tighten these screws into the propeller nuts in the left side.

**9.** Install at the top of the wheel: Pull the drive band over the left side so that it can sit on top of the drive wheel.

**10.** Set up the drive band on the pulleys: Pull up the drive band from the rear of the drive wheel and arrange it as shown in Figure 5: from the front of the drive wheel behind the left pulley, and from the rear of the drive wheel between the right pulley and the Scotch tension bar. Hook the drive band around the Scotch tension peg inside the wheel temporarily.

**11.** Reinstall the maidens: Orient the front maiden with its logo facing outward. Insert the shaft of the quick release lever through the slot in the left wheel side, the front maiden, and the slot in the right side (Figure 1A). Place the washer and knob onto the shaft (Figure 1B). Push the handle in towards the left side until it sits about 1/8" from the side, then tighten the knob. Repeat this process for the rear maiden, orienting its recessed side facing inward.

The quick release lever should require firm pressure to close. If the handle is too loose, tighten the knob. If the handle is too tight, loosen the knob.

**12.** Completely fold or unfold the wheel, attaching the footmen to the treadles or treadles to the sides with footman knobs.

**When the wheel is folded, use the hole at the rear of the metal tab.**  
**When the wheel is unfolded for spinning, use the hole at the front.**

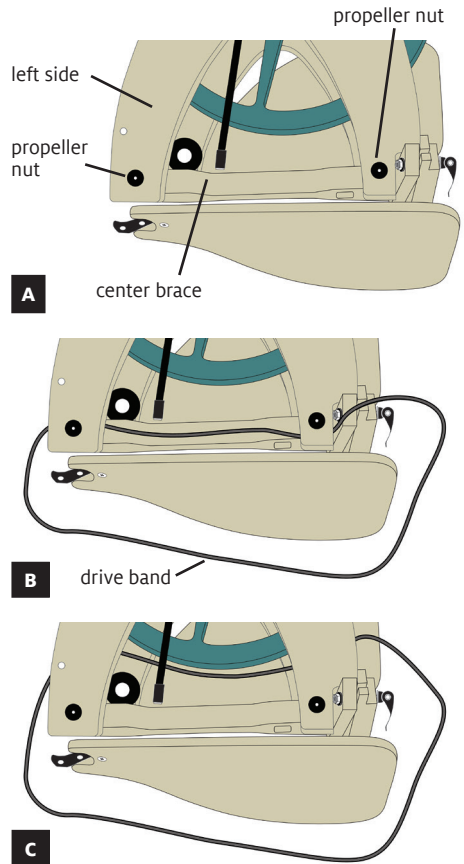


FIGURE 4: INSTALL NEW DRIVE BAND

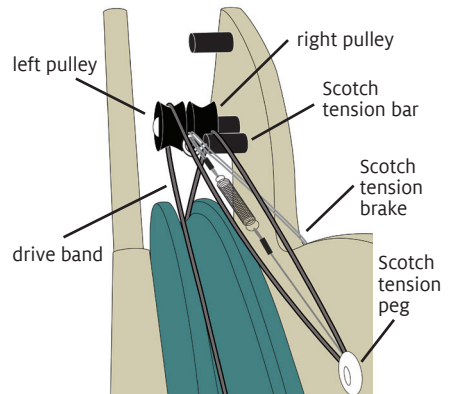


FIGURE 5: SET UP NEW DRIVE BAND

## USING THE NEW DRIVE BAND

To spin, install a bobbin (large end at the back) and whorl on the flyer shaft. Install the flyer on the wheel. Set the drive band over the whorl and set the Scotch tension brake over the large end of the bobbin (Figure 6).

Make sure the drive band follows the path shown in Figure 6. There should be no twists in the drive band.

If the flyer has been correctly installed and does not spin when you treadle, check for a gap of about 1/16" between the front bearing and the shoulder of the flyer shaft. If there is no gap, use a #2 Phillips screwdriver to loosen the screw in the rear maiden (Figure 7). Position the flyer correctly, with the gap, then tighten the screw in the rear maiden. ❑

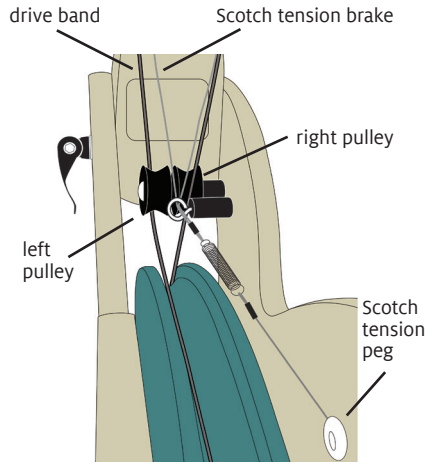
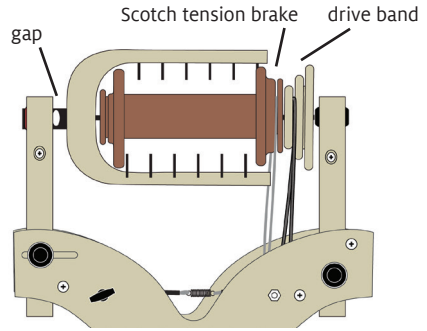


FIGURE 6: SET UP SCOTCH TENSION

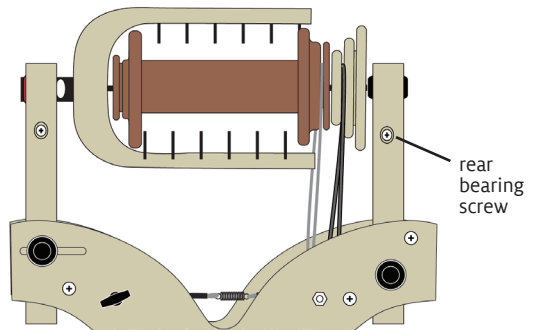


FIGURE 7: ADJUSTING THE REAR BEARING



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