

# WARP BEAM OR BRAKE HUB REPLACEMENT

FOR **WOLF** LOOMS



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## TOOLS

Electric Screw driver with a Phillips screw driver. (or use a #2 Phillips hand driver)  
Vice for holding the beam  
1/2" wrench  
Drill with 1/8" bit (for older looms)

## PARTS

1 - Wolf Brake Hub  
1 - Wolf Brake hub side  
1 - 3/8" x 3 1/4" hex bolt  
1 - cap nut  
1 - 3/8" washer  
4 - #10 x 1 3/4" phillips screws (waxed)

A video of this process can be found on [www.schachtspindle.com](http://www.schachtspindle.com). Click on the Videos link for a list of available videos.

## REMOVE THE WARP BEAM

1. Using the warp beam crank as a wrench, unscrew and remove the 3/8" cap nut by turning it counterclockwise (figure 1). Hold the warp beam to prevent it from turning. Remove the handle and the washer.

2. *For older looms:* If your loom brake resembles that shown in figure 2, continue with step #3.

*For newer or updated looms:* Remove the eye bolt (figure 1) from the brake tension assembly by turning it counterclockwise.

3. If your loom has a removable back oval beam, loosen the knobs on the sides and remove the beam and set it aside. (The brake barrel nut can stay in place.) Continue with step #4.

*For looms without removable back beams:* Remove the bolt and the brake barrel nut that fasten the rear oval beam to the leg.

Remove the same bolt and barrel nut from the leg at the other end of the rear oval beam. Remove the rear oval beam, and set aside.

4. Remove the nut and washer at the center of the brake bar (figure 1). Take the loop off the bolt and carefully unwind the brake cable.

5. Standing at the back of the loom, work on the non-brake side. Spread open the leg so that the pin in the beam clears the inside of the leg. Then remove the end of the warp beam with the attached brake hub. There is a washer on either end of the beam. Save them for later use.

**If you are installing a warp beam with a brake hub already attached, skip the next section and continue with *Install the Warp Beam on the next page.***

## REPLACE THE BRAKE HUB

Refer to figures 4 and 5 for replacing the brake hub.

1. The best way to remove the screws holding the hub to the end of the beam is to place the beam in a vice to hold it securely. Use an electric screw driver with a Phillips head to remove the screws. The screws are not easily removed by hand and this makes lighter work of the task. Alternately, you can use a long Phillips head screw driver, #2, and remove the screws by hand.

2. If the brake hub is held in place by four Phillips screws, this is the current model. Skip to step #9.

3. *For looms with two screws in the brake hub:* First position your new brake hub on the end of the warp beam, aligning the existing drilled holes with two of your new brake hub's screw holes. With a pencil, mark the inside of the remaining two holes to indicate where the new holes will be drilled. Remove the brake hub and carefully drill each new hole to 1/8" diameter and 1-1/4" depth. You can mark your drill bit to help guide your hole depth. Be sure

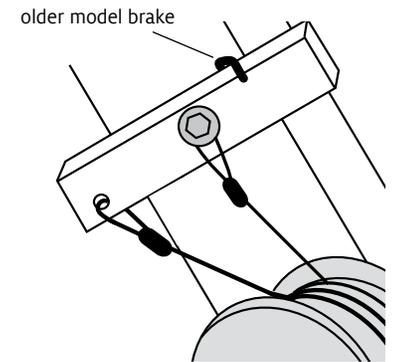


FIGURE 2

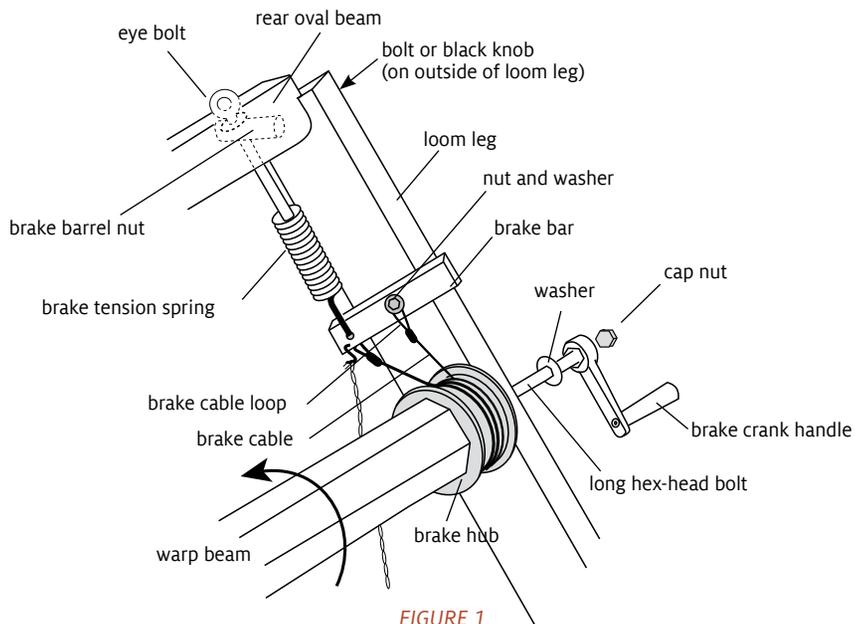


FIGURE 1

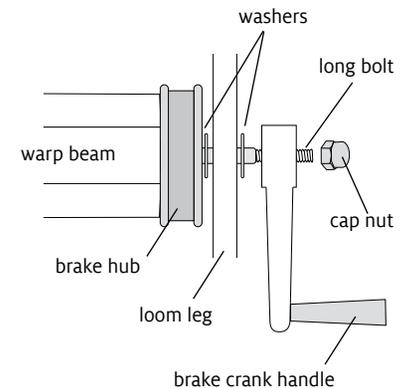


FIGURE 3

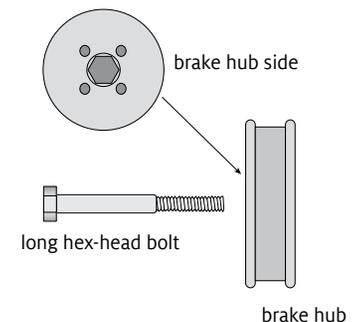


FIGURE 4

the holes go in straight and not at an angle.

**Note: Align the black line on the end of the hex-head bolt with the line on the brake hub side.**

**4. Attach the new hub to the warp beam:**

Assemble the brake hub as follows: insert the long bolt into the back side of the brake hub. The bolt head will fit into the hexagonal flange at the center (figure 4). Install the new brake hub on the warp beam, using the four screws (figure 5).

If your loom was fitted with the older model brake hub, insert the first two screws into the original screw holes and tighten. Then insert two screws into the newly-drilled holes and tighten the screws.

**INSTALL THE WARP BEAM**

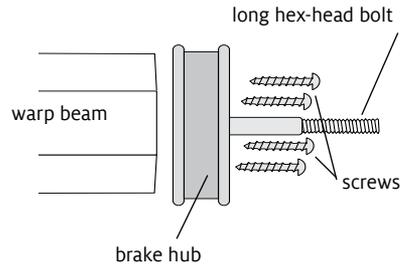
**1.** Place a washer on the long bolt on the brake side as well as on the pin on the other end of the warp beam. First insert the brake hub end of the warp beam into the loom leg. Spread apart the loom leg and insert the pin end of the beam in the other side. Make sure there is a washer between the beam and leg on both ends of the beam. (See figure 3 for hub side beam installation.)

**2.** Install the brake bar in this way: washer, bar, washer (the cable should be located at the back of the loom). Rewrap the brake cable around the brake hub from under the beam to over and moving across the hub from the leg (outside) toward the warp beam (inside). Slip the cable lop over the bolt. Place another washer over the bolt and secure with the lock nut. Re-attach the S-hook. Screw the eyebolt into the spring. Tighten the lock nut down enough to allow the brake cable bar to pivot freely.

**3.** Re-attach the rear oval beam. For looms without a removable back beam, be sure to use the long barrel nut on the side next to the brake. If your loom has an eyebolt, insert the eyebolt into the brake barrel nut and then into the brake tension spring.

**4.** Place the 3/8" washer on the long hex-

head bolt and replace the warp beam crank, as follows: orient the warp beam crank with the wooden handle facing out and slide the crank onto the bolt. Place the cap nut on the end of the bolt and tighten, turning clockwise. •



**FIGURE 5**