

# WOLF LOOMS

## REPLACING THE BRAKE CABLE AND/OR SPRING KIT



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# REPLACING THE BRAKE CABLE/SPRING KIT

## PARTS

### WOLF BRAKE CABLE KIT #RPBW02:

Looms with serial numbers 4-1 through 4-1112 and 8-1 through 8-350

- 1-Wolf brake bar w/attached cable
- 1-Wolf brake spring w/threaded insert
- 1-Wolf brake barrel nut
- 1-Wolf brake eye bolt
- 1-3/16" washer
- 1-"S" hook
- 1-1/4" x 1-1/4" roll pin

4-1113 and 8-351 to present

- 1-Wolf brake bar w/attached cable
- 1-Wolf brake spring w/threaded insert
- 1-Wolf brake barrel nut
- 1-Wolf brake eye bolt

### WOLF BRAKE SPRING KIT #RPBW03:

Looms with serial numbers 4-1113 through 4-1593 and 8-351 through 8-544

- 1-Wolf brake spring w/threaded insert
  - 1-Wolf brake barrel nut
  - 1-Wolf brake eye bolt
  - 1-3/16" washer
  - 1-1/4" x 1-1/4" roll pin
- or:

Looms with serial numbers 4-1594 through present and 8-545 through present

- 1-Wolf brake spring w/threaded insert
- 1-Wolf brake barrel nut
- 1-Wolf brake eye bolt
- 1-3/16" washer

## REQUIRED TOOLS

1/2" wrench

For serial numbers 4-1 through 4-1593 and 8-1 through 8-544:

- Drill and 1/4" drill bit
- Hammer

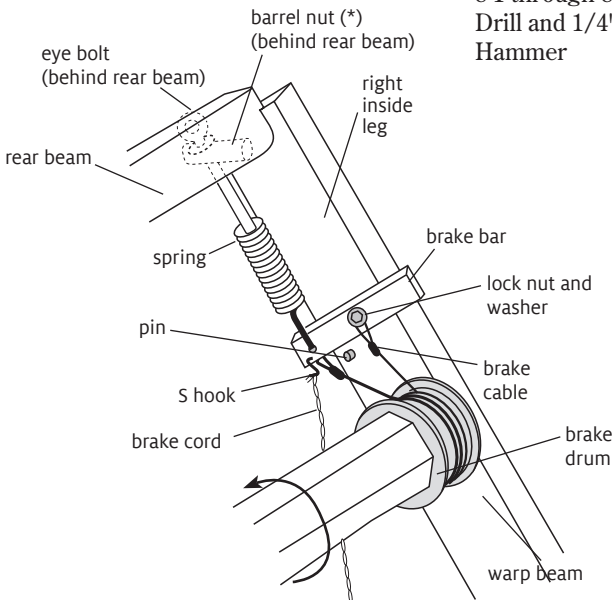


FIGURE 1: NEW BRAKE SYSTEM

**(\*) - Do not throw out, you will need this barrel nut for reassembly of all but model #'s 4-1594 through present and 8-545 through present.**

## REMOVE THE OLD CABLE

- Remove the lock nut with a 1/2" wrench. Remove the washer next to it.
- Standing at the back of the loom, hold onto the warp beam and twist it towards you (see arrow in figure 1) to loosen the cable slightly.
- Slip the cable loop off the bolt.

**Caution: Hold onto the cable to prevent it from whipping around. Carefully unwind it from the hub.**

- Unscrew the eye bolt and remove it and the washer. Save the long barrel nut for reassembly.
- Remove the spring by sliding it off the end of the brake bar.
- Remove the brake bar with the attached cable, as well as the washers.

## INSTALL THE NEW CABLE

- Install the new 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 drum from under to over and from outside to inside. Be sure that the cable is not crossing itself.
- Hold the loop of the cable in one hand (twist the warp beam if needed as you did to remove the cable).
- Place the washer over the bolt and secure with the lock nut.
- Tighten the lock nut enough to allow the brake cable bar to pivot freely. If it is too tight, the brake bar won't move.
- Re-attach the S-hook.
- Re-install the eyebolt in the eye of the barrel nut.
- Re-install the spring into the cable hole in the brake bar.
- Attach the spring to the eyebolt.

Tighten the eyebolt into the spring until the first 4 loops in the spring are separated. Test the beam by trying to wind it towards the front. If it does not move at all, then you have enough tension on your brake cable.

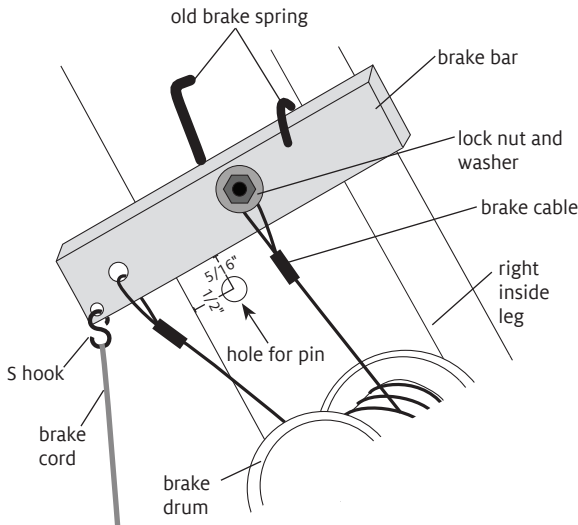


FIGURE 2: OLD BRAKE SYSTEM

### **FOR LOOMS WITH SERIAL NUMBERS 4-1 THROUGH 4-1593 AND 8-1 THROUGH 8-544**

Drill a 1/4" diameter hole through the right inside leg of the loom as shown in figure 2. Be careful to drill the hole as straight as possible. Tap the metal roll pin into the hole until it is flush with the outside of the leg. This pin will prevent the brake bar from pivoting too far and overbending the spring.

- Remove the lock nut and the washer. Standing in back of the loom, grab hold of the warp beam with your right hand and twist it in the direction indicated in the drawing. This will loosen the brake cable and you can now easily slip the loop off the bolt. Unwind the brake cable and remove the brake bar.
- Remove the old brake spring.
- Put the new brake bar on. (For looms with serial numbers 4-1113 through 4-2992 and 8-351 through 8-952, reuse the brake bar that you have). Rewrap the brake cable around the brake drum from under to over and from outside to inside. Hold the loop of the cable in one hand and twist the warp beam in the direction indicated in the drawing. This will give you enough slack to put the loop back onto the bolt. Place a washer over the bolt and secure with the lock nut. Tighten the lock nut down enough to allow the brake cable bar to pivot freely but not to wobble.

### **FOR LOOMS WITH SERIAL NUMBERS 4-1 THROUGH 4-1593 AND 8-1 THROUGH 8-544**

Drill a 1/4" diameter hole through the right inside leg of the loom as shown in figure 2. Be careful to drill the hole as straight as possible. Tap the enclosed metal pin into the hole until it is flush with the outside of the loom leg. This pin will prevent the brake bar from pivoting too far and overbending the spring.

- Remove the barrel nut by removing machine screw holding it to the loom side. Replace it with the longer barrel nut enclosed in this replacement kit. Note that this longer barrel nut has a threaded hole in one end and a plain hole in the other end. The threaded hole end goes into the hole the small barrel nut came out of. Screw the machine screw back into its hole.
- Attach the new brake spring to the brake bar as shown.
- Put a 1/4" washer on the eye bolt and insert it through the barrel nut and screw it into the threaded insert in the end of the spring.
- By tightening or loosening the eye bolt, you can increase or decrease the tension on the friction brake. The amount of pressure required to release the friction brake can be decreased or increased by moving the S-hook attached to the brake cord to another hole on the brake cable bar.