How to Rewire a Parallel Bar

To Maintain:

Due to the Laminar construction of this straightedge, it is possible to have the center bowed if the straightedge is subjected to any sizeable force acting in the vertical direction (See *Figure 7*).

To correct, lift ends **A** or **B** while holding down the center of the straightedge just enough to offset the bow.

Figure 7

To Rewire:

If your wire ever breaks or needs to be replaced, follow these steps:

1 Release left and right end caps of the straightedge by removing screws from below. Be sure not to remove screws that keep top and bottom layers of straightedge blade together.

2 Remove all old wires.

3 Fold new replacement wire in half and thread folded end through center of straightedge blade. Pull through until wire is equal length on each side of the straightedge blade. Cut wire at fold. There are now two independent wires running through straightedge blade.

4 Grasp either wire on left side, pass around straightedge blade pulley and brake screw as shown in wiring *Figure 9* and pass it around rear pulley (**F**) in upper left corner of board. Connect to spring at top (**A**).

5 Grasp the wire on right side not connected to spring from left side. Trial and error method will be required here. Pass this wire around straightedge blade pulley and brake screw, then pass it around pulley in upper right corner of board. Connect to spring at top.

6 Pass lower left and lower right wires around straightedge blade pulleys and brake screws as shown in wiring *Figure 9*.

7 To confirm wires have been strung correctly, hold straightedge in place with one hand and pull gently on lower left wire with other hand. The spring at top should move to the right. Repeat by pulling the lower right wire and the spring should move to the left.

8 Replace straightedge end caps and secure with screws from below. Be sure that wires remain properly threaded around pulleys and brake screws and pass properly through exit slots in end caps. Do not over tighten or strip screws.

9 Follow steps 8 through 10 of assembly instructions to finish installation.
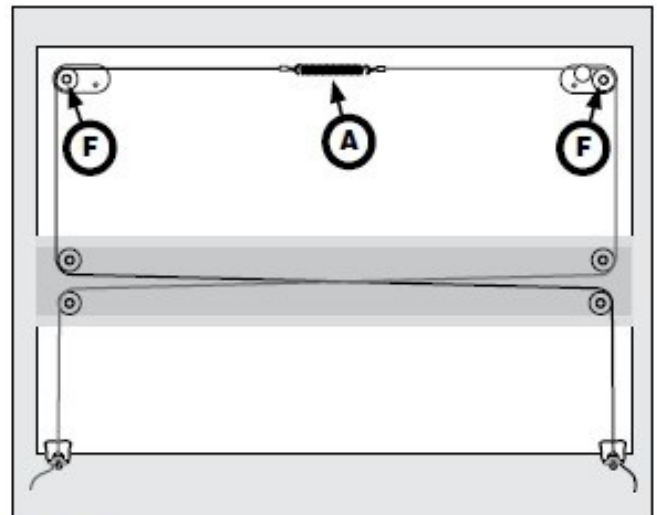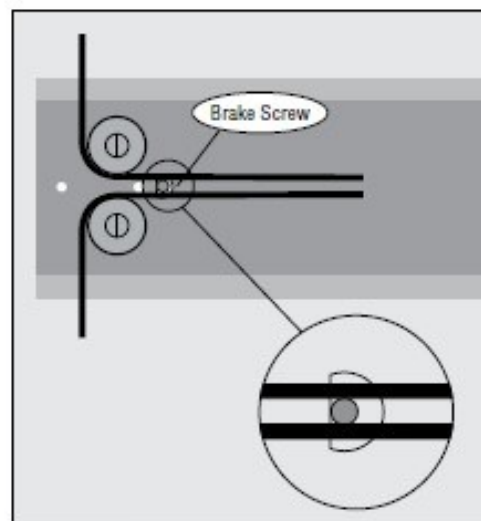

Figure 8

Figure 9