

MARLON 200 AUTO CRIMPER EL & ES MODELS



SERVICE MANUAL

INTRODUCTION

Your new Marlon 200 Auto Crimper is designed to increase your plastic spiral binding production. The Marlon 200 is an inexpensive yet extremely efficient tabletop machine. The Marlon 200 is an operator friendly machine that is easy to set up, allowing for quick changeover from one coil diameter to another. We are confident that your new Marlon 200 Auto Crimper will be a valuable asset to your plastic coil binding operation.

The following pages of this service manual will cover machine setup, operating procedures, maintenance and trouble shooting your Marlon 200 Auto Crimper.



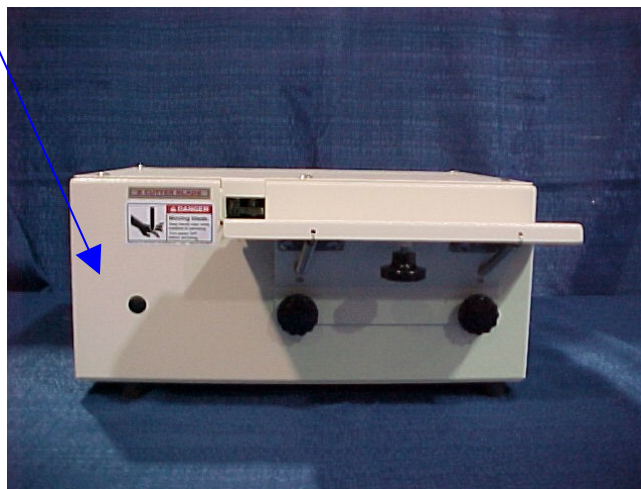
Warning:

Only trained service personnel should perform machine service. Unplug unit before servicing.



Plunger Switch: Only models produced for sale in the USA will come with plunger switch. An optional foot pedal can be purchased.

All models produced for sale outside the USA come standard with a foot pedal. No plunger switch included.



CUTTER HEAD

The Marlon 200 Auto Crimper ships with your choice of cutter head installed. Cutter heads are available in three sizes, A, B, and C size heads. The cutter head accounts for the majority of the machine cost therefore buying multiple heads for one machine is not an option.

A – size cutter head crimps 6mm – 8mm diameter coils

Note: Over sized punch patterns (.248) or punch patterns with a large backstop (distance from paper edge to hole) will not work well with the A – size cutter head.

B – size cutter head crimps 8mm – 25mm diameter coils

C – size cutter head crimps 12mm – 50mm diameter coils

If more than one cutter head is required to accommodate your binding needs the Marlon 200 ES was designed to set on top of the Marlon 200 EL eliminating the need for extra counter space.

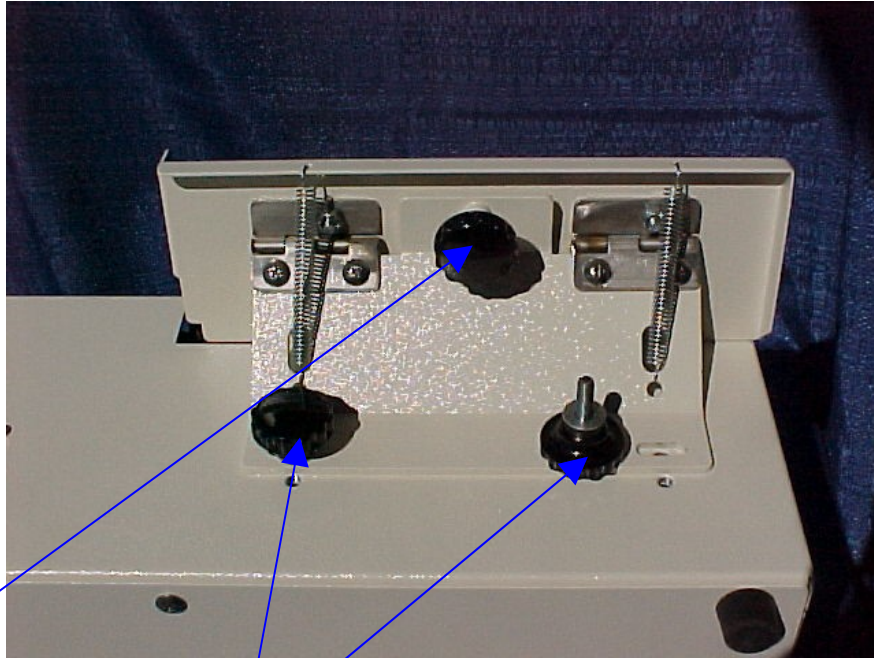


MARLON 200 CONNECTIONS



Foot Pedal AC power cord ½ Amp fuse power switch

TABLE ADJUSTMENTS



The worktable is fastened to the crimper using the $\frac{1}{4}$ " stud knobs and two $\frac{1}{4}$ " flat washers included with your machine. The holes in the table are slotted allowing side to side adjustments to be made. Mount the table in the top holes for small and medium diameter coil and the bottom holes for medium and large diameter coil.

Table height is adjusted up and down by turning the $\frac{1}{4}$ " stud knob located in the center of the table on the underneath side.

MACHINE SETUP

- 1.) Place the bound document on the worktable with the left edge of the document snug against the book guide.



- 2.) Make a rough height adjustment by turning the table height adjustment knob in or out until the center of the coil is close to the height of the crimper blades. A finer adjustment is sometimes required after step three to achieve the optimum crimp.
- 3.) Slightly loosen the two mounting knobs and adjust the table right or left until the correct loop of the coil is centered and slides easily in and out of the crimper blades. Tighten the two mounting knobs when the desired right and left adjustment is achieved.
- 4.) Make a finer height adjustment if needed. Test crimp the document by pressing the plunger switch to activate the crimp cycle and make small adjustments until the desired crimp is achieved.
- 5.) Flip your document and crimp the other end.

NOTE: Consistent document placing and holding by the operator will speed setup and production rates and ensure consistent quality crimps.

Machine Maintenance



Warning:

Only trained service personnel should perform machine service. Unplug unit before servicing. Service personnel shall wear no jewelry or metal objects while working inside machine.

Use only a damp cloth to clean exterior of machine.

Periodically remove paper dust and plastic clippings from machine using a dry cloth and or compressed air.



Warning: Always wear safety glasses when working with compressed air.

TROUBLE SHOOTING

PROBLEM:

Crimper does not cycle when plunger switch or foot pedal is actuated.

SOLUTION:

- 1.) Check power cord and power switch
Make sure the power cords connected to the crimper and plugged into wall outlet. Verify that the power switch is in the on position.
- 2.) Check panel mounted fuse on back of crimper. Reset fuse if tripped by pushing it back into place.
- 3.) Check building power at breaker panel or confirm power at wall outlet with a different machine or appliance.

Crimper cycles continuously or more than once when plunger switch or foot pedal is actuated.

- 1.) Internal micro-switch on cam is out of adjustment. Call for technical assistance or have a qualified service person check the micro-switch.



WARNING:

The top cover of your Marlon 200 should only be removed by a qualified service technician with the power off and the machine unplugged. This cover should never be removed by a machine operator, and must be fastened in place at all times when crimper is in use.



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