

## OPERATION AND MAINTENANCE MANUAL FOR MODEL 115 HEAT SEAL MACHINE

### CONGRATULATIONS!!

Your selection of the INSTA GRAPHIC Heat seal machine is a sound business decision. INSTA GRAPHIC equipment is the result of the highest quality engineering and time-tested design. Your new machine, combined with INSTA'S reputation for innovation in the heat sealing field, insures you the continuing capability of delivering the best decorated garments possible. This manual describes the installation and operation procedures for your new Model 115 machine, as well as an easy-to-use chart for on-the-spot maintenance. Proper heat sealing instructions and helpful hints are included in a separate brochure. With simple maintenance care, your Model 115 machine will have a long, trouble-free life. Read this manual. Keep it with your machine. It's your key to proper operation and lasting service.

### INSTALLATION

Use a separate 120 volt, 15 AMP, AC circuit. Only industrial weight extension cords with proper wire size should be used: size 14/3 wire for distances up to 25 feet, and size 12/3 for distances up to 50 feet. (240 volt machines also available).

### OPERATION

1. Push ON/OFF swith to "ON" position. Set temperature dial to 375°-400°F. (190°-250°C).
2. Lift the handle to the open position.
3. Allow the machine to warm up for approximately 30 minutes. When the selected temperature is reached, the neon lamp on the instrument housing will cycle on and off.

NOTE: The thermometer indicates the internal temperature of the heat platen and will indicate a temperature approximately 15F° (8.3C°) higher than the actual heat platen surface. The temperature control indicates the TRUE surface temperature of the heat platen.

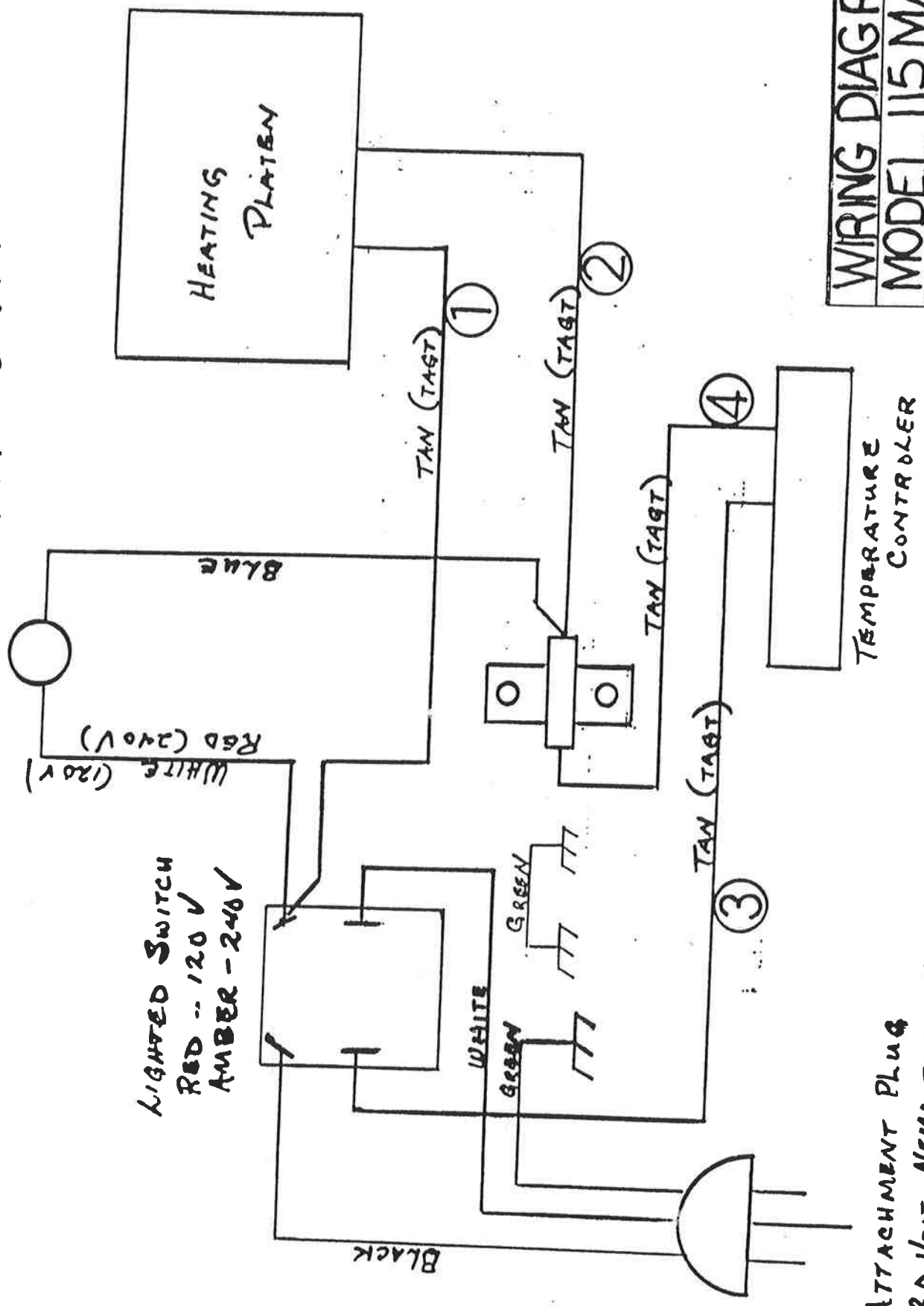
4. Set the desired pressure by adjusting the pressure adjust knob at the base of the handle. To increase pressure, turn knob clockwise. To reduce pressure, turn knob counterclockwise.
5. Place the garment on lower platen, smoothing out all wrinkles.
6. Position transfer or lettering on garment.
7. Close machine by pilling handle down into locked position.
8. Set timer for proper time cycle. For best heat sealing results, refer to the "How to Apply Insta Heat Seal Transfers and Die Cut Letters" manual.
9. Bell will ring at end of time cycle. Lift handle up SLOWLY and move to its full open position. (This technique will help avoid premature liftoff of transfer paper).

LIMITED WARRENTY

INSTA GRAPHIC SYSTEMS warrants that for one (1) year from date of purchase, it will repair or replace any part of a machine operated under normal use and maintenance which is found to have been defective in material or workmanship. In order for this warranty to be effective, no return of machine or parts may be made without prior written factory authorization.

Manufacturer shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use or the inability to use the product.

RED LENS - 120 V  
 PILOT LAMP. AMBER LENS - 240 V



LIGHTED SWITCH  
 RED - 120 V  
 AMBER - 240 V

ATTACHMENT PLUG  
 120 VOLT NEMA TYPE 5-15 P  
 240 VOLT NEMA TYPE 6-20P

WIRING DIAGRAM  
 MODEL 115 MACHINE  
 120 VOLT & 240 VOLT

INST. MAC. INC. COR.

## PREVENTIVE MAINTENANCE SUGGESTIONS

The INSTA GRAPHIC heat seal machine is relatively maintenance free. For long trouble-free life, the following preventive maintenance should be followed:

1. Do not insert items into the machine which would tend to cut the silicone rubber pad, or scratch the teflon, i.e., buttons, pins, snaps or zippers.
2. Periodically clean the teflon-coated heat platen with a non-abrasive piece of cloth. Stubborn stains may be cleaned, when platen is cool, with mineral spirits (paint thinner or kerosene).
3. When the heat platen is hot and not in use, keep in open position (away from the silicone rubber pad).
4. To prevent soiling of garment, periodic wiping of the entire exterior of the machine, including platens, with a clean rag is recommended. If necessary, use mineral spirits for cleaning a cold machine. Since mineral spirits are flammable, use precautions and keep away from sparks, flame or hot heat platen.

Occasionally apply a few drops of heavy machine oil to the moving parts of the cam assemblies and pressure adjustment screw.

## GENERAL MAINTENANCE

The following maintenance chart has been prepared to assist you in locating and correcting problems if the Model 115 should not operate properly. To locate the problem area it may be necessary to refer to more than one symptom listed in the chart. The table directs your attention to the fault. It does not rule out other possibilities.

### SYMPTOMS

Temperature of the platen gets too hot or cannot be controlled.

Platen DOES NOT heat when temperature control is turned on. Temperature indicator lamp DOES NOT light.

Platen DOES NOT heat when temperature control is turned on. Temperature indicator lamp DOES light.

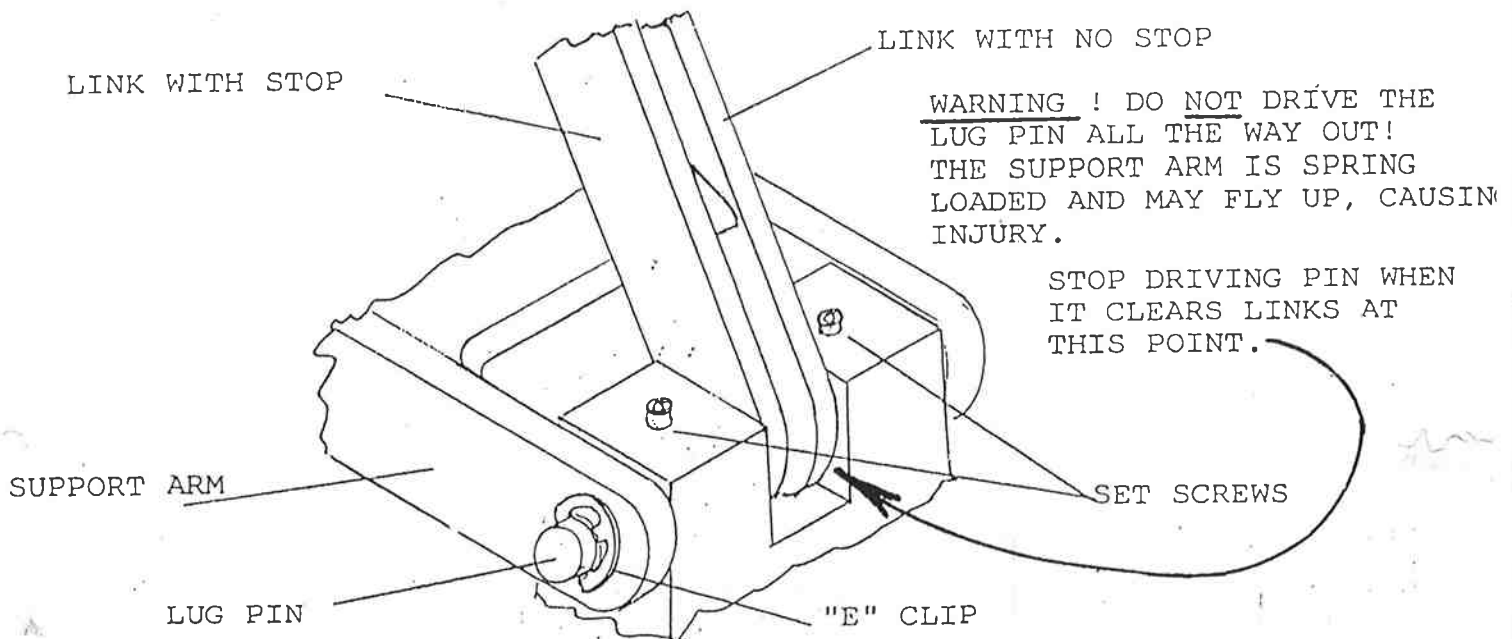
### PROBABLE CAUSE AND FIX

Defective temperature control.  
Replace with new unit.

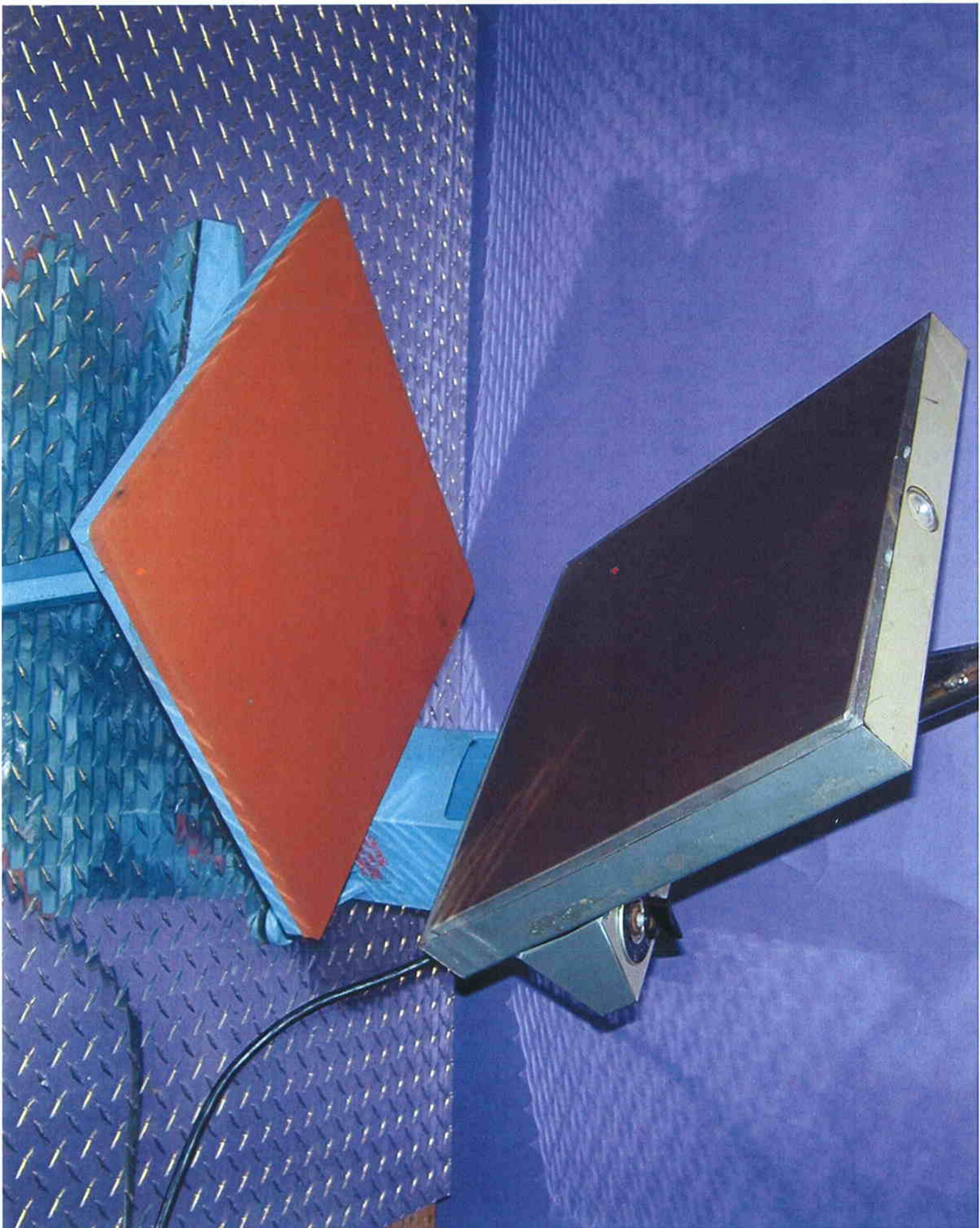
1. Is machine on?
2. Power cord or wire disconnected or broken?
3. Defective temperature control  
Replace with new unit.
4. Defective ON/OFF switch, replace.
  1. One of the connections from the heat platen is disconnected or broken.
  2. Defective heater. Replace with heat platen assembly.

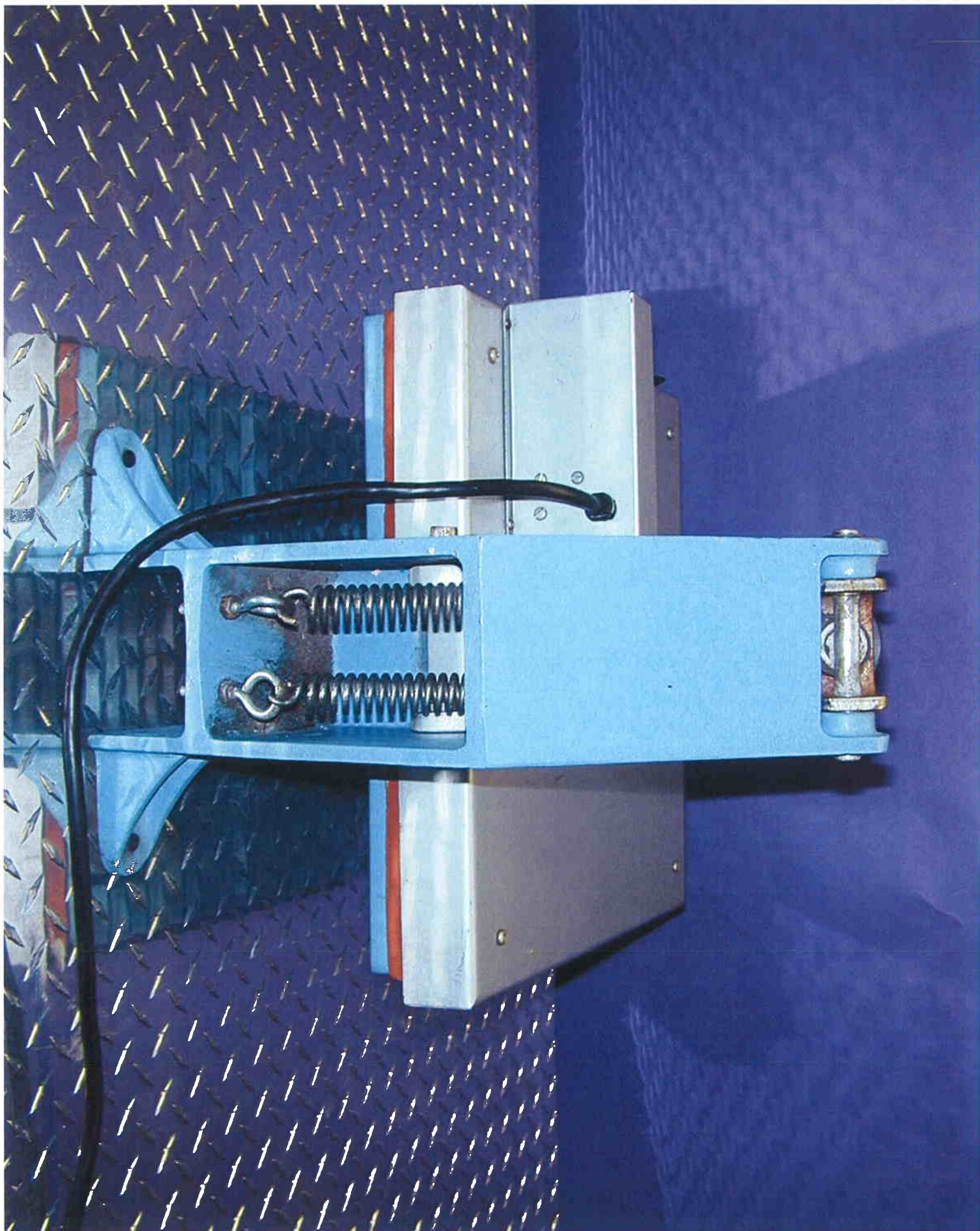
## HANDLE REPLACEMENT - 115 MACHINE

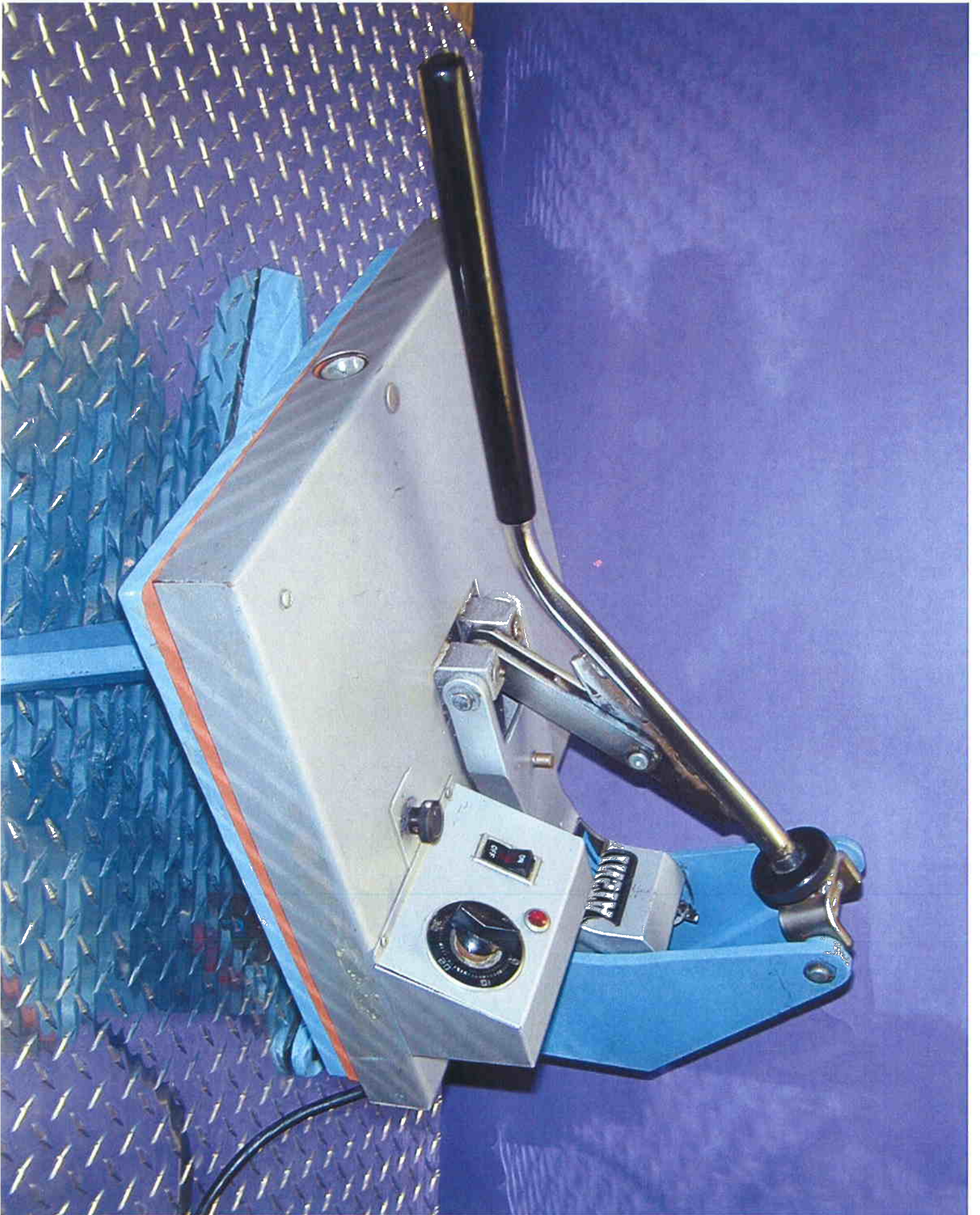
1. Loosen lug pin set screws in upper platen. Back them out at least 4 turns.
2. Remove "E" clip from one end of the lug pin and using a long drift punch and a hammer drive the lug pin out until it is free of the two links. You may need a spacer between the links while driving the pin to keep one link from crowding the other, providing a locking effect on the pin.
3. Turn the knurled adjusting knob in a clock wise direction until it is free of the threaded end of the handle.
4. Remove the "E" clip from the pivot pin and remove the plain link from the handle.
5. Please note the new handle has a link assembled on one side. This link has a stop. The link you removed from the old handle has no stop and must be assembled to the new handle opposite the link with the stop. Install an "E" clip to hold it in place.
6. Start the knurled knob assembly on the threaded end of the handle and turn it on until only about 1/8" of threads are showing outside the nut.
7. Place links in lug pin area and start the lug pin through the hole. You may have to change the adjustment on the knurled adjustment nut to line up the holes in the links with the lug pin. When the holes are lined up, carefully drive the pin into the assembly. Keep in mind the links must stay parallel or they will bind on the pin. Also, be sure the outside leg of the support arm is lined up with the pin or you may break it off driving the pin in. Be sure the two flats on the lug pin are up when the pin is in place so the set screws may seat on them when they are tightened down. Tighten the set screws and replace the "E" clip on the end of the lug pin.













HEAT SEAL MACHINE

MODEL NO. 115 VOLTS 120 VAC 50-60HZ

WATTS 1500 MFG YK S/N 01993

MIRA MACHINERY CORP. 1841 BOSTWICK DR. - RIVERSIDE CALIF. 92506



WERNER  
POWER TOOLS  
CORPORATION  
NEW YORK, N.Y.

PROFESSIONAL LINE PUNCHES  
SERIES 1000  
INTERNAL COMPONENTS

Control panel with a rotary dial and a switch. The dial has markings for 10, 20, 30, 40, 50, 60, 70, 80, 90, and 100. The switch is a toggle switch.