



## ***MARTINDALE ELECTRIC ETCHERS INSTRUCTIONS***

Martindale Electric Etchers write like a pencil on all articles made of iron and steel or their alloys. Marks are “burned” into the metal making a clear legible, and permanent record. The depth of the etch can be varied by the operator’s speed of writing as well as by changing wattage settings.

On all Martindale Etchers, either the spring clip (for large parts) or the ground plate (for holding small parts under the spring hold-won clip) can be used. The article to be etched should be free of paint, oil or other insulation at the point of contact.

Sparking will be reduced if contact is made quickly. The writing point should be held firmly against the workpiece while writing and lifted quickly when the intended mark is completed. The writing point can be repointed by either dressing on a grinding wheel or filing with a relatively fine file.

Dissipation of heat generated by the writing point is a problem with any etcher of this general type. If the etcher is used for any length of time, it will help to dip the tip in a small pan of water to help draw off some of the heat being generated.

### **ALL MODELS:**

Connect the power cord to an outlet of the proper voltage, (AC only)

### **UTILITY ETCHER & No. 5-M ETCHER:**

Connect one end of the ground lead to either of the two terminal posts and attach either the squeeze spring clip or the ground plate to the other end of the ground lead. Connect the writing lead to the other post. The power can then be turned on and the desired “heat setting” selected by dialing the rotary switch on the face of the unit.

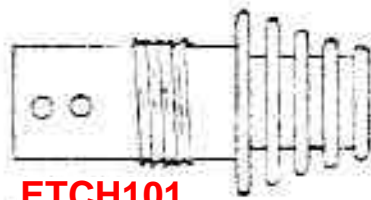
### **MODEL C-M HEAVY DUTY ETCHER:**

Connect one end of the ground lead to the post marked “Common” and attach either the squeeze spring clip or the ground plate to the other end of the ground lead. Connect the writing lead to the desired “heat setting” post. When the workpiece is connected to the ground lead, switch on the power.

## *Electric Etcher Parts*



**ETCHEH1**  
Fibre Handle



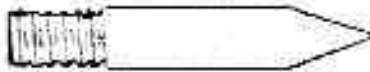
**ETCH101**

**Brass Point Holder**

**ETCH10T**  
Tungsten Tip Point



**ETCH10C**  
Copper Point



**ETCH10WL**  
Writing Lead Assembly



**ETCH10GL**  
Ground Lead Assembly



**ETCH10GP**  
Ground Plate Assembly