

# 120V ELECTRIC ENGRAVER

Item Number W50036

## OWNER'S MANUAL

KEEP THESE INSTRUCTIONS IN A SAFE PLACE  
FOR FUTURE REFERENCE



### SPECIFICATIONS:

5 Min. ON/5 min. OFF operating cycle

Motor: 120V 60hz, 0.2 AMP

Weight: 13 oz.

3,600 strokes per minute

Engraving bit: Tungsten carbide tipped steel



### ▲WARNING

*It is the owner and/or operators' responsibility to study all WARNINGS, operating, and maintenance instructions contained on the product label and instruction manual prior to operation of this product. The owner/operator shall retain product instructions for future reference.*

*The owner and/or operator are responsible for maintenance, maintaining all decals or warning labels and while in use, maintaining the unit in good working order. If the owner and/or operator are not fluent in English, the product warnings and instructions shall be read and discussed with the operators' native language by the purchaser/owner or his designee. Make sure that the operator comprehends its contents. Safety information shall be emphasized and understood prior to usage. The product shall be inspected per the operating instructions.*

*Users of this product must fully understand these instructions. Each person operating this product must also be of sound mind and body and must not be under the influence of any substance that might impair their vision, dexterity or judgment.*

*Protect yourself and others by observing all safety information.*

*Failure to comply with instructions could result in personal injury and/or property damage!*

## GENERAL SAFETY RULES

**▲ WARNING:** Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

Do not operate power tools in potentially explosive environments, such as in the presence of flammable liquids, gas or dust. Power tools create sparks that may ignite dust or fumes.

Keep bystanders, children and visitors away while operating the tool. Distractions can cause the operator to lose control.

## ELECTRICAL SAFETY

Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will only fit into a polarized plug one way.

If the plug does not fit into the outlet properly, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not alter the plug in any way. Double insulation eliminates the need for the three pronged grounded power cord and grounded power supply system.

Avoid contact between the operator's body and grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if the operator's body is grounded.

Do not expose power tools to rain or wet conditions. Water entering the power tool will increase the risk of electric shock.

Do not abuse the cord. Do not use the power cord to carry the tool or to pull the plug out of the outlet. Keep the power cord away from heat, oil, sharp edges, and moving parts. Replace a damaged power cord immediately. A damaged power cord increases the risk of electric shock.

When operating a power tool outdoors, use an outdoor-rated extension cord type "W-A" or "W". These cords are rated for outdoor use and they reduce the risk of electric shock.

## PERSONAL SAFETY

Stay alert, be aware of the surroundings, and use common sense when operating a power tool. Do not use a power tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating a power tool may result in serious personal injury.

Dress properly. Do not wear loose clothing or jewelry.

Contain long hair. Keep hair, clothing, and gloves away from moving parts. Loose clothing, jewellery, or long hair can get caught in moving parts.

Avoid accidental start-ups. Verify that the switch is in the OFF position before plugging in the tool. Carrying a power tool with a finger on the switch or plugging in a tool that has the switch in the ON position invites accidents.

Remove adjusting keys and wrenches before turning the tool ON. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.

Do not overreach. Keep proper footing and balance at all times. Proper footing and balance allows the operator to maintain better control of the tool in unexpected situations.

Use safety equipment. Always wear eye protection.

Use a dust mask, non-skid safety shoes, a hardhat, or hearing protection when appropriate.

## USE AND CARE OF POWER TOOLS

Use clamps or another practical means to secure and support the workpiece to a stable platform. Holding the work in a hand or against the body is not stable, and may lead to loss of control.

Do not force the tool. Use the correct tool for the application. The correct tool will do the job better and safer when used at the rate that it was designed to work at.

## USE AND CARE OF POWER TOOLS CONT.

Do not use a power tool if it cannot be turned ON or OFF using the power switch. A tool that cannot be controlled using the switch is dangerous, and must be repaired.

Disconnect the plug from the outlet before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of accidental start-ups.

When power tools are not in use, store them out of the reach of children or untrained persons. Tools are dangerous in the hands of untrained users.

Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind, and are easier to control.

Inspect the tool for misalignment or binding of moving parts, broken parts, and any other condition that may affect the operation of the tool. If it is damaged, have the tool serviced before using it. Many accidents are caused by poorly maintained tools.

Use only accessories that are recommended by the manufacturer for this model. Accessories that are suitable for one tool may become hazardous when used with another tool.

## SERVICE

Tool servicing must be performed by qualified personnel. Service or maintenance performed by non-qualified personnel could result in a risk of injury.

## SPECIFIC SAFETY RULES

The rating plate on the tool shows certain safety symbols. These symbols represent important safety information regarding the use of the tool and must be followed:



Hearing, eye and breathing protection must be worn



Double insulated for extra protection

**⚠ WARNING:** For your safety, do not plug the engraving tool into the power source or attempt to operate the tool until you have read and understood these Operating Instructions.

**⚠ WARNING:** Always use safety glasses, ear protection and a dust mask when operating the engraving tool. Using these safety items will protect you against flying particles during the engraving process.

**⚠ WARNING:** Apply only light pressure to the engraving tool during operation. Too much pressure may damage the surface being engraved and damage the tip of the engraving tool.

## REPLACING THE ENGRAVER TIP

The engraving tool is shipped with the engraving tip and protective tip cover installed. The protective tip cover must be placed on the engraving tip when the tool is not in use to protect the tip from damage and the handler from injury. To replace the engraving tip:

1. Insert a small slot screwdriver (1) into the engraving tip set screw (2) (Fig. 1).
2. Turn the set screw counter clockwise to release the engraving tip (3). When the engraving tip is released, pull it out of the tool.
3. Insert the new engraving tip into the tool as far as it will go and tighten the set screw.

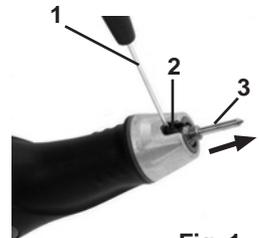


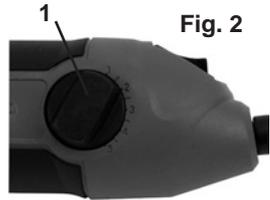
Fig. 1

## SETTING THE DEPTH CONTROL

The engraving depth can be adjusted to suit the type of surface being engraved.

To engrave a shallow marking, set the depth control knob (1) to "1" (Fig. 2). To engrave a deep marking, set the depth control knob to "5".

**NOTE:** Softer materials will require settings of "1 to 3". Hard materials will require settings of "3 to 5". Always test the depth control setting on a scrap workpiece of the same material as the good workpiece to be sure the depth control is set correctly and will engrave the workpiece corr



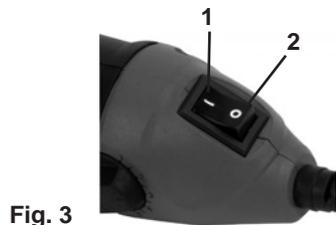
## OPERATING THE ENGRAVING TOOL

**⚠ WARNING:** Always use safety glasses, ear protection and a dust mask when operating the engraving tool. Using these safety items will protect you against flying particles during the engraving process.

The engraving tool can be used to engrave many different types of materials, including metal, glass, plastic, wood, ceramics etc.

1. Check to make sure the engraving tip is in good condition and is properly installed in the tool (Fig. 1).
2. Set the depth control knob (Fig. 2).
3. Plug the power cord into the power source.
4. Turn the tool ON, by pressing the top of the ON/OFF switch (1) (Fig. 3). To turn the tool OFF, press the bottom part of the ON/OFF switch (2).

5. Hold the engraving tool at an angle to the workpiece as you would hold a pen and begin engraving.



**NOTE:** Do not press down too hard while engraving. Use only light pressure while guiding the engraving point on the workpiece. Always use consistent pressure on the engraving tip and move the tool on the workpiece at a consistent speed to produce consistent engraving results.

**⚠ WARNING:** The engraver will build up heat during continuous operation. Do not operate the engraver continuously for more than 5 minutes at a time. After 5 minutes of continuous operation, the tool must be turned OFF and allowed to cool down for at least 5 minutes.

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