

Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.



ENGRAVER

FOR CUSTOMER SERVICE

Technical Question?

CALL 1-866-458-2472
customerservice@oem-tools.com

UNPACKING

After unpacking unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing, or damaged parts. If any damage is observed, a shipping damage claim must be filed with carrier. Do not use the OEMTOOLS® Engraver if broken, bent, cracked or damaged parts (including labels) are noted. Any Engraver that appears damaged in any way, operates abnormally or is missing parts should be removed from service immediately. If you suspect that the Engraver was subjected to shock load (a load that was dropped suddenly, unexpectedly, etc.) immediately discontinue use until it has been checked by a factory authorized service center.



WARNING

The following safety information is provided as a guideline to help you operate your Engraver under the safest possible conditions. Any tool or piece of equipment can be potentially dangerous to use when safety or safe handling instructions are not known or not followed. The following safety instructions are to provide the user with the information necessary for safe use and operation. Please read and retain these instructions for the continued safe use of your tool. Failure to follow instructions listed below may result in serious injury. In addition, make certain that anyone who uses the equipment understands and follows these safety instructions as well.

Explanation of Safety Signal Words

 **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION: Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

NOTES: Provide clarity and helpful information.

Thank you very much for choosing an OEMTOOLS® Product!

For future reference, please register your new tool at www.oem-tools.com and complete the owner's record below:

Model: _____ **Purchase Date:** _____

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it. This product is designed for certain applications only. OEMTOOLS® cannot be responsible for issues arising from modification. We strongly recommend this product is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the product until you have first contacted customer service to determine if it can or should be performed on the product.



ENGRAVER

⚠ WARNING

POWER TOOL SAFETY

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

WORK AREA SAFETY

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. 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.
2. 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.
3. Do not expose power tools to rain or wet conditions. Water entering the power tool will increase the risk of electric shock.
4. 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.
5. When operating a power tool outdoors, use an outdoor-rated extension cord type
6. "W-A" or "W". These cords are rated for outdoor use and they reduce the risk of electric shock.

PERSONAL SAFETY

1. 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.
2. Dress properly. Do not wear loose clothing or jewelry.
3. Contain long hair. Keep hair, clothing, and gloves away from moving parts. Loose clothing, jewelry, or long hair can get caught in moving parts.
4. 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.
5. 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.
6. 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.
7. Use safety equipment. Always wear eye protection.
8. Use a dust mask, non-skid safety shoes, a hardhat, or hearing protection when appropriate

USE AND CARE OF POWER TOOLS

1. 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.
2. 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.
3. 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.
4. 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.

5. 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.
6. 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.
7. 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.
8. 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

1. Tool servicing must be performed by qualified personnel. Service or maintenance performed by non-qualified personnel could result in a risk of injury.
2. When servicing a tool, use only identical replacement parts. Follow the instructions in the Maintenance section of this Manual. The use of unauthorized parts or failure to follow the instructions in the Maintenance section of this Manual may create a risk of electric shock or 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.

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.

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.

Disconnect the plug from the power source before making any adjustments, changing accessories or storing the tool.

Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.

IMPORTANT SAFETY INSTRUCTIONS

The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

1. Use only accessories recommended or sold by manufacturer.
2. **DO NOT** disassemble the Engraver. Take it to a qualified professional when service or repair is required.
3. **DO NOT** operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gasses or dust. Power tools create sparks which may ignite the dust or fumes.
2. Wear approved safety eye/face shield, ear defenders and hand protection.
3. When not in use, disconnect from the power source and store in a safe, dry childproof location.
4. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.
5. When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W".
6. **DO NOT** use this Engraver for tasks it is not designed to perform.



ENGRAVER

- DO NOT** operate the Engraver if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- DO NOT** expose power tools to rain or wet conditions.
- DO NOT** use the Engraver if the switch does not turn it ON or OFF.

DISPOSAL

At the end of the useful life of the OEMTOOLS® Engraver, dispose of the components according to all state, federal, and local regulations.

PURPOSE

The OEMTOOLS® Engraver is used for engraving on metal, glass, wood, plastic and ceramic. Its soft body grip allows you to carve fine lines or deep grooves easily.

PRODUCT SPECIFICATIONS

Motor:	0.2A, 120V, 60Hz, AC
Continuous Operating Time:	5 Mins. (between complete cool down cycles)
Engraving Bit:	Tungsten Carbide Tipped Steel
Weight:	0.8 Lbs.

OPERATING INSTRUCTIONS

WARNING

Ensure you read, understand and apply safety instructions before use.

- Always inspect, maintain and operate in accordance with ANSI safety code for power tools and other local safety codes and regulations.
- Use clamps or other practical ways to secure and support the workpiece to a stable platform.
- Do not force the tool. Use the correct tool for the job.
- Disconnect the plug from the power source before making any adjustments, changing accessories or storing the tool.
- Check for misalignment or binding moving parts, breakage of parts and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.
- Never hold the workpiece in one hand and the tool in the other hand when in use. Never place the hands near or below the cutting surface.
- Never lay workpiece on hard surfaces like concrete, stone, etc.
- The Engraver is wired at the factory for 110–120V operation. It must be connected to a 110–120V, 15A time delayed fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.
- Avoid accidental starting. Be sure switch is OFF before plugging in.

WARNING

If any part is missing or damaged, do not plug the Engraver into the power source until the missing or damaged part is replaced.
To avoid fire or toxic reaction, never use gasoline, naphtha, acetone, lacquer thinner or similar highly volatile solvents to clean the tool.
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 ENGRAVING 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:

- Insert a small slot screwdriver (1) into the engraving tip set screw (2) (Fig. 1).

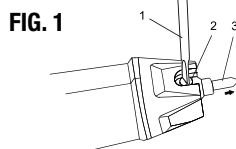


FIG. 1

- Turn the set screw counterclockwise to release the engraving tip (3). When the engraving tip is released, pull it out of the tool.
- Insert the new engraving tip into the tool as far as it will go and tighten the set screw.

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".

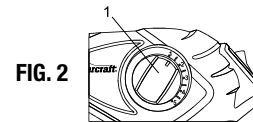


FIG. 2

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 correctly.

- Pull on the accessory to ensure it is securely in place.

OPERATING THE ENGRAVING TOOL

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.

- Check to make sure the engraving tip is in good condition and is properly installed in the tool (Fig. 1).
- Set the depth control knob (Fig. 2).
- Plug the power cord into the power source.
- 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).



FIG. 3

- Hold the engraving tool at an angle to the workpiece as you would hold a pen (Fig. 4) and begin engraving.

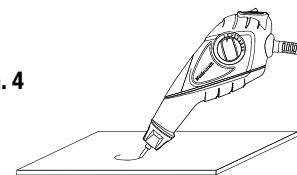


FIG. 4

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.



ENGRAVER

Engraver Features



Intertek
3042597
JD3312U

This symbol designates that this tool is listed with the U.S. requirements by ETL Testing Laboratories, Inc. conforms to UL Std. 60745-1, 60745-2-1 and 60745-2-2.

OEMTOOLS® ONE YEAR WARRANTY

If for up to one year from the date of purchase of this OEMTOOLS® product you find any defect in material or workmanship, through normal usage, return it to the place of purchase, or to OEMTOOLS® for repair or replacement at our discretion. In order to obtain this service send your tool and proof of purchase, transportation pre-paid, to OEMTOOLS® Q.A. Dept, 3580 E. Raines Road #3, Memphis, TN 38118. We will not be responsible for lost or damaged goods during transportation, please insure your package. If our inspection verifies the defect, we will either repair or replace the product at our election, or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

OEMTOOLS® does not provide warranty for products labeled other than OEM or OEMTOOLS®. OEMTOOLS® will not provide any warranty for products subjected to abnormal use. Abnormal use includes, but is not limited to, abuse, accident, alteration, neglect, and unauthorized or unreasonable use or repairs. This warranty does not cover bits, blades, files, batteries, or calibration. We recommend that you maintain your tools and sharpen or replace blades, bits, files, and batteries as necessary. OEMTOOLS® reserves the right to make any changes in construction or design at any time without any obligation in incorporating such changes to tools or equipment previously sold.

OEMTOOLS® makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of one year from the date of purchase. This warranty does not apply to damage due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear or to lack of maintenance.

We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Don't forget to register your new OEMTOOL product at www.oem-tools.com.

CONTACT US

3580 E. Raines Road, Suite 3, Memphis, TN 38118
Tel: 1-866-458-2472
www.oem-tools.com