

## Wire/Cable Industrial Stripping Machine



## Owner's Manual

<b>PRODUCT SPECIFICATIONS</b>	
<b>Item No.</b>	ML-3
<b>Power</b>	3.0HP
<b>Voltage Input</b>	110V/60 HZ
<b>Rating</b>	100 RPM
<b>Stripping Capacity</b>	Min:1/4" MAX:3"
<b>Physical Dimension</b>	16" X 18" X 24"
<b>Weight</b>	165 lb

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## GENERAL SAFETY WARNINGS



**CAUTION:** Before using this wire stripper or any of its accessories, read this manual and follow all Safety Rules and Operating Instructions.

This instruction manual includes the following:

- General Safety Rules
- Specific Safety Rules and Symbols
- Functional Description
- Assembly
- Operation
- Maintenance
- Accessories

## EYE, EAR & LUNG PROTECTION



**ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CSA REQUIREMENTS OR ANSI SAFETY STANDARD Z87.1**

**FLYING DEBRIS** can cause permanent eye damage. Prescription eyeglasses **ARE NOT** A replacement for proper eye protection.



**WARNING:** Non-compliant eyewear can cause serious injury if broken during the operation of a power tool.



**WARNING:** Use hearing protection, particularly during extended periods of operation of the toll, or if the operation is noisy.



**WEAR A DUST MASK THAT IS DESIGNED TO BE USED WHEN OPERATING A POWER TOOL IN A DUSTY ENVIRONMENT.**



**WARNING:** Dust that is created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals that are known to cause cancer, birth defects, or other genetic abnormalities. These chemicals include:

Lead from lead-based paints

Crystalline silica from bricks, cement, and other masonry products

Arsenic and chromium from chemically treated lumber

The level of risk from exposure to these chemicals varies, according to how often this type of work is performed. In order to reduce exposure to these chemicals, work in a well-ventilated area, and use approved safety equipment, such as a dust mask that is specifically designed to filter out microscopic particles.

## **ELECTRICAL SAFETY**



**WARNING:** To avoid electrical hazards, fire hazards or damage to the tool, use proper circuit protection. This Tool is wired at the factory for 110-120 V operation. It must be connected to a 110-120 V, 60 HZ circuit that is protected by a 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.

## **POWER TOOL SAFETY**

### **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.

### **WORK AREA**

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

Do not operate power tools in potential 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, jewelry, 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, and a hardhat, or hearing protection when appropriate.

### **USE AND CARE OF POWER TOOLS**

Use clamps or another practical means to secure and support the work piece 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.

Do not use a power tool if it can not be turned ON or OFF using the power switch. A tool that can not 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.

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**



**WARNING: Know your Cable Stripper. Do not plug in outlets until you have read and understand this Instruction Manual. Learn the tool's applications and limitations, as well as the specific potential hazards related to this tool.**

Following this rule will reduce the risk of electric shock, fire, or serious injury.



ALWAYS wear safety goggles (not glasses) that comply with ANSI safety standard Z87.1. Everyday glasses have only impact resistant lenses. They Are NOT safety glasses.



**WARNING: Glasses or goggles not in compliance with ANSI Z87.1 could cause serious injury when they break.**

Hold the tool by insulated gripping surfaces when performing an operation where the saw blade may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

Always hold the line conductor axis with two hands. Attempting to control it with one hand is dangerous. It could result in loss of control and serious injury.

Always make sure the work surface is free of nails and other foreign objects. Cutting into a nail can cause the blade and the tool to shake and damage the blade.

Never place your hands near or below the cutting surface. Always clamping the material and guiding the cables with both hands is required.

Always wear safety goggles, hearing protection and a dust mask. Use only in well-ventilated areas. Using personal safety devices and working in a safe environment reduces the risk of injury.



**DANGER:** Always use the adjusting handle when the power is off.

### KNOW YOUR CABLE STRIPPER

**NOTE:** Replacement blade is NOT included and must be purchased separately.



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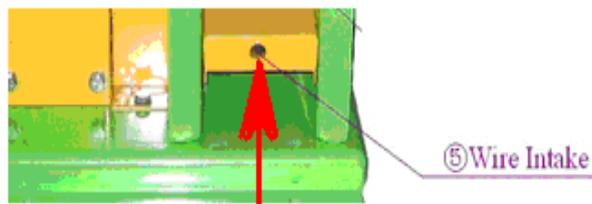
1 UNIT

## OPERATING

**⚠ ATTENTION:** Before start the machine please make sure the switches is in “OFF” position. (including operation switch and emergency switch)  
Press “OFF” of operation switch to check.  
Twist and pull the emergency switch to check.  
Please also check the height blade to make sure the blade has no touch with hobbling cutters.

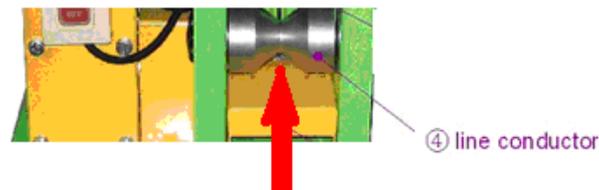
**⚠ WARNING:** Plug the power cord to regular 110-120 voltage outlet, loose wire connection may result electrical shock and serious injury.

**⚠ WARNING:** Insert your fingers or any body parts can result serious injury and permanently physical damage.



**⚠ ATTENTION:** Outside Diameter of wires or cables in the range of 1/4” to 1/2”

- a). Insert wire through wire intake and make sure the wire is sitting in the middle of hobbling cutter.
- b). Adjust the height of cutting blade to proper position:  
cutting through top half rubber/plastic part of the wires, but not reach the metal part
- c). Press "ON" of operation switch button to turn on the machine.
- d). Continue above working, and please keep safety distance from your hands to the cutting blade.



 **ATTENTION:** Outside Diameter of wires or cables in the range of **1/2" to 3"**

- a). Insert cables through the line conductor area and make sure the wire is sitting in the middle of hobbling cutter.
- b). Adjust the height of cutting blade to proper position:  
cutting through top half rubber/plastic part of the cables, but not reach the metal part
- c). Adjust the line conductor to give certain pressure on the cable on the purpose of simulating guidance wire intake to avoiding cable sliding off blade when the machine is turned on.
- c). Press "ON" of operation switch button to turn on the machine.
- d). Applied certain human pulling force to the cable to keep cables go straight under the cutting blade.
- d). Continue above working and please keep safety distance from your hands to the cutting blade.

 **ATTENTION:** Any emergency or deviance, please press emergency stop switch immediately, then inspect the machine status.

 **WARNING:** Keep your pets or child away when operating the machine.

## MAINTENANCE

### GENERAL



**WARNING: When servicing this tool, use only identical replacement parts. The use of any other part may create a hazard or cause product damage.**

DO NOT use solvents when cleaning plastic parts. Plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use a clean cloth to remove dirt, dust, oil, grease etc.



**WARNING: Do not allow brake fluids, gasoline, petroleum-based products, penetrating oils, etc. to come into contact with plastic parts. They contain chemicals that can damage, weaken or destroy plastic.**

DO NOT abuse power tools. Abusive practices can damage the tool and the work piece.



**WARNING: Do not attempt to modify tools or create accessories. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury. It will also void the warranty.**

It has been found that 3 hp electric motor model are subjected to possible premature failure when they are used on cables size over 3.0 inch.. The torque from wires size over 3.0" are highly abrasive to machine parts such as gearbox., bearing, shafts etc. Consequently, it is not recommended that this machine to be used for extended work on any oversized cables. During any use on this machine it is extremely important that the machine is cleaned frequently by blowing the accumulated debris out with an air jet.



**WARNING: Always wear safety goggles or safety glasses with side shields and working gloves during all stripping operations. It is critical that you make sure the power is unplugged, wear safety goggles or safety glasses with side shields , working gloves and a dust mask while blowing dust out of the stripping area with an air jet. Failure to take these safety precautions could result in permanent eye, hand, or lung damage.**

### LUBRICATION

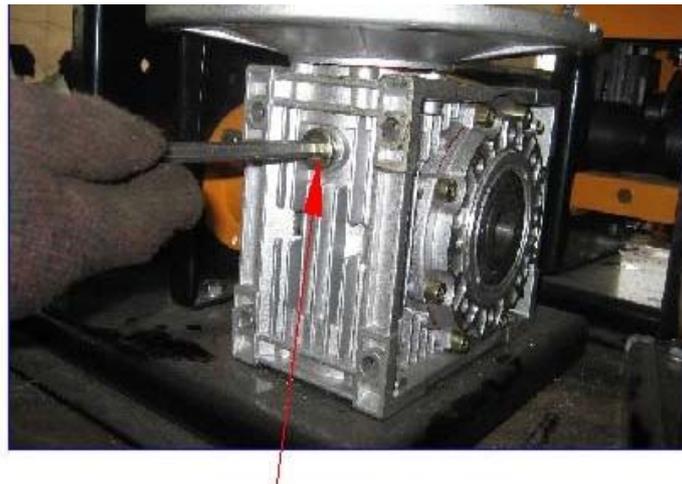
All of the bearings in this tool are lubricated with a sufficient amount of high-grade lubricant for the first 2 weeks of the unit under normal conditions. Therefore, no further lubrication is required in the first 2 weeks.

 **ATTENTION:**

After 2 weeks: Fill up the oil tank with engine oil on weekly basis into gear box

 **WARNING:** When lubricating this unit, make sure the POWER CORD is unplugged.

a)



**Unscrew the oil tank cap**

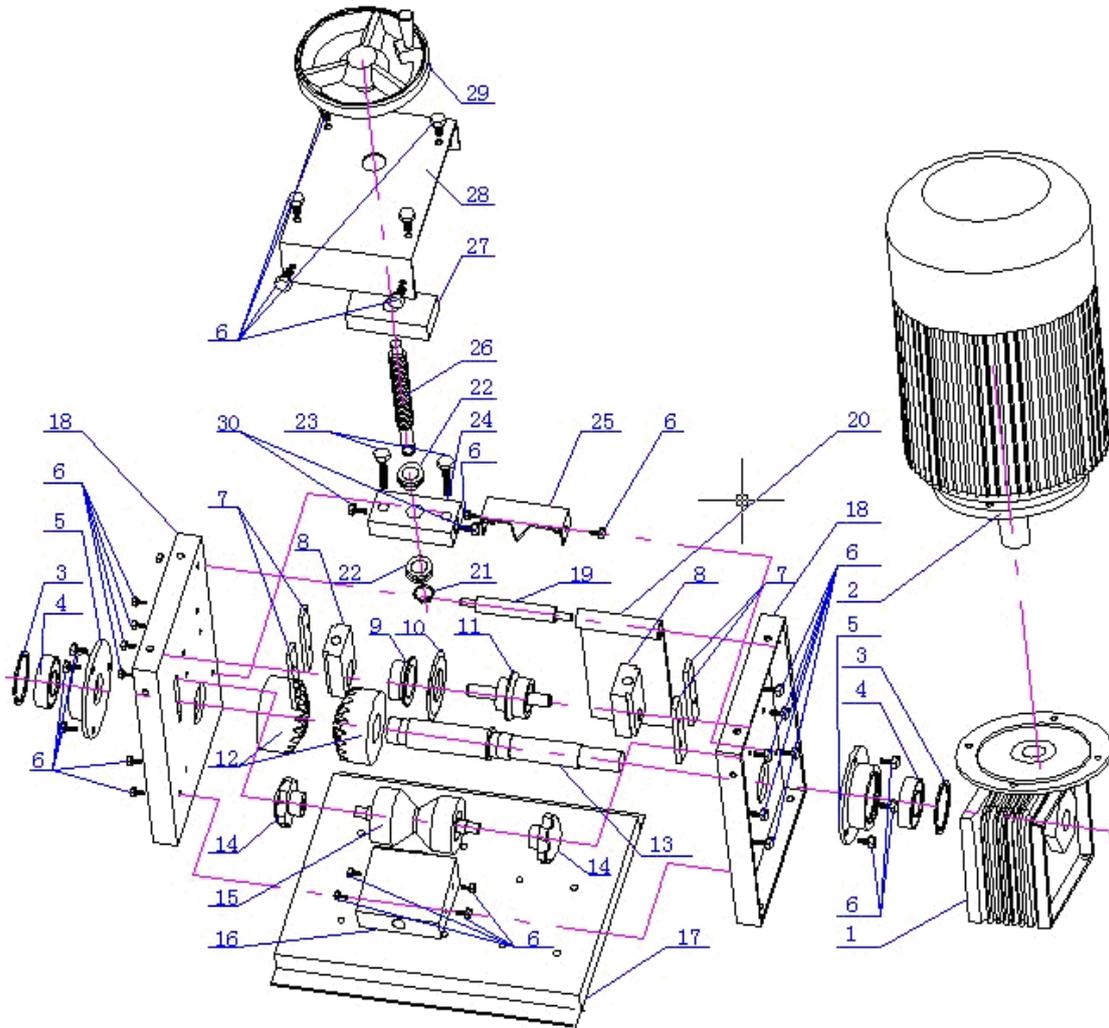
b)



**Fill up with regular motor oil**

**\*Recommended Oil:** To achieve the best performance, we highly suggest to use **Mobile-1 5w20 synthetic engine oil** .

# EXPLODED VIEW



## PARTS LIST



**WARNING:** When servicing , use only MAPLE LEGEND identical replacement parts. The use of any other part may create a safety hazard or cause product damage.

Any attempt to repair or replace electrical parts on this cable stripper may create a safety hazard unless repairs are performed by a qualified technician. For more information,

Item No.	Name	Item No.	Name
1	packaged reducer	16	wire ingress board
2	electric motor	17	base
3	φ60 retainer	18	stay bearing board
4	shafting bearing	19	moveable spill
5	shafting bearing base	20	moveable bumper plate
6	(M8) fastening screw	21	φ15 retainer
7	lead rail	22	horizontal bearing
8	clapboard	23	M10×50 screw
9	fasting nut	24	ledger plate
10	blade	25	staid bumper plate
11	axis	26	adjusting screw
12	hobbling cutter	27	supporting shoe
13	spindle	28	face mask
14	hand lever	29	hand lever
15	wire input spindle	30	M10 ×30 screw

Please visit our website at [www.maplelegend.com](http://www.maplelegend.com)

NOTE : Always order by Part number.

### **1-YEAR LIMITED WARRANTY**

This Maple Legend product is guaranteed for a period of 1 year from the date of original retail purchase against defects in workmanship and material , except for the following components:

- a) Component A: Cutting Blade

Subject to the conditions and limitations described below , this product, if returned to us with proof of purchase within the stated warranty period and if covered under this warranty, will be repaired or replaced with the same mode, or one of equal value or specification), at our option, We will bear the cost of any repair or replacement and any costs of labor relating thereto.

These warranties are subject to the following conditions and limitations:

- a) a bill of sale verifying the purchase and purchase date must be provided;
- b) This warranty will not apply to any product or part there of that is worn or broken or that has become inoperative due to abuse , misuse, accidental damage, neglect or lack of proper installation, operation or maintenance (at outlined in the applicable owner's manual or operating instructions ) or that is being used for professional, commercial or rental purposes;
- c) This warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product that are expected to become inoperative or unusable after a reasonable period of use
- d) This warranty will not apply to routine maintenance and consumable items, including but not limited to fuel, lubricants, blades, bits, fluids, tune-ups or adjustments;
- e) This warranty will not apply where damage is caused by repairs made or attempted by others(i.e.: persons not authorized by the manufacturer);
- f) This warranty will not apply to any product that was sold to the original purchased as a reconditioned or refurbished product(unless otherwise specified in writing)
- g) This warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons;
- h) This warranty will not apply to normal deterioration of the exterior finish including but not limited to scratches , dents, paint chips, or to any corrosion or discoloring by heat, abrasive and chemical cleaners;  
and
- i) This warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

Additional limitations

This warranty applies only to the original purchaser, and can not be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense , loss or damage,

including but not limited to any indirect, incidental, consequential or exemplary damages arising in connection with the sale , use or inability to use this product.

#### Notice to Consumer

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province, the provisions contained in this warranty are not intended to limit, modify, take away from, disclaim or exclude any statutory warranties set forth in any applicable provincial or federal legislation.

Maple Legend is a superior line of products selected for their workmanship and materials. These product are designed to meet rigorous quality and performance standards, and are approved by our quality assurance laboratory.