



40V LITHIUM-ION CORDLESS PRUNER

A40GZ08B02/A40GZ10B02

OPERATOR'S MANUAL

Original Instructions





Read all safety rules and instructions carefully before operating this tool.

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# PRODUCT SPECIFICATIONS










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## 40 V LITHIUM-ION POLE SAW



Bar length.....8" (20.3 cm)&10" (25.4cm)  
Chain pitch.....3/8" (9.5 mm)&3/8" (9.5 mm)  
Chain type ..... chain 91PX -34 (Oregon)&chain 91PX -40 (Oregon)  
Guide bar type ..... 8" bar 080SDEA041 (Oregon)/10" bar 100SDEA041 (oregon)  
Chain speed ..... 7.5m/s  
Volume of bar lube reservoir ..... 105ml

# Safety Symbols

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Safety Alert Symbol	Precautions that involve your safety.
	Read the Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Wear personal protection equipment.	Always wear safety glasses or a face shield protection and safety helmet when operating this equipment.
	Wear hearing protection	Always wear sound barriers (ear plugs or ear muffers) to protect your hearing when operating this equipment.
	Wear Protective Gloves	Wear non-slip, heavy-duty protective gloves when handling the pole saw and the blade.
	Wear Safety Footwear	Wear non-slip safety footwear when using this equipment.
	Kickback	DANGER! Beware of kickback.
	DANGER	Keep sufficient distance away from electrical power lines. To prevent electrocution, do not operate within 33 ft. (10m) of overhead electrical lines. Contact with or use near power lines may cause serious injury or electric shock resulting in death.
	DANGER-Keep hands away from blade	Failure to keep your hands away from the blade will result in serious personal injury.
	Keep Bystanders Away	Keep all persons, especially children and domestic animals at a safe distance of at least 50' (15 m) away, when operating the pole saw.

	Do not expose to rain	Do not expose the machine to rain.
	Falling objects	Be aware of falling objects during the operation of pruner.
	Not home waste	This marking indicates that this product should not be disposed of with other household wastes. Follow the disposal instructions within this instruction manual.

	<p>Dangerous feed orifice</p>	<p>Keep hands and feet out of the openings while the machine is running.</p>
	<p>Noise label</p>	<p>A noise label marked with the declared noise emission value shall be shown on the machine.</p>

## General Power tool Safety Warnings



**WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool.**

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.**

**The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery-operated (cordless) power tool.**

### 1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents .
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.**

Distractions can cause you to lose control.

### 2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.**

Unmodified plugs and matching outlets will reduce risk of electric shock .

- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded .
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges**



**or moving parts.** Damaged or entangled cords increase the risk of electric shock.

- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

### 3) **Personal safety**

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.**

Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.**

A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

4) **Power tool use and care**

a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed .

b) **Do not use the power tool if the switch does not turn it on and off.**

Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) **Disconnect the plug from the power source and/ or the battery pack from the power tool before making any adjustments, changing**

**accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

## **5) Battery tool use and care**

- a) **Recharge only with the charger specified by the manufacturer.** *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*
- b) **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** *Shorting the battery terminals together may cause burns or a fire.*
- d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** *Liquid*

*ejected from the battery may cause irritation or burns.*

- e) **Do not use a battery pack or tool that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*
- f) **Do not expose a battery pack or tool to fire or excessive temperature.** *Exposure to fire or temperature above 130 °C may*

*cause explosion.*

- g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

## **6) Service**

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*
- b) **Never service damaged battery packs.** *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

## **Special Safety Instructions for Battery packet and Charger**

**If under extreme conditions any electrolyte should escape from the battery, it's essential to avoid contact with skin. If electrolyte does come into contact with your skin, rinse it off with water. In the event of electrolyte contact with your eyes, it's essential to consult a doctor.**

- a) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- b) Children should be supervised to ensure that they do not play with the appliance.
- c) Before the use of the charger and the battery packet, read the instruction manual for it carefully.
- d) During the charge process, the current used should correspond to the current of the battery charger.
- e) Never let moisture, rain or splashed water reaches the charging location .
- f) The ambient temperature must not exceed 40 oC. Never expose the device to direct insulation.

- g) Storage-battery packet, which are defective or damaged or can no longer be recharged, must be disposed of as hazardous waste. Hand them over at a special collection point. Never harm our environment. Do not throw unusable storage- battery packet away into the domestic waste, into fire or into water.
- h) If the electrical cable is damaged, the wire may only be replaced by the supplier or by his repair workshop. Have repairs carried out only by an authorized specialist only.

- i) Use only storage-battery packet, which have been produced by the original manufacturer.
- j) Always keep the surface of the charger free from dust and dirt.
- k) Insert the battery packet into the charger. Follow the guidelines provided concerning polarity.
- l) Always remove battery packet before working on the machine
- m) When the battery packet is outside the drill, cover the contacts to avoid short circuits (e.g. from tools)
- n) Do not throw batteries into water or fire, risk of explosion!
- o) Protect the battery packet from impacts, and don't open it.
- p) Never discharge the battery packet completely and recharge occasionally if not used for a prolonged period.

## Pruner safety warnings

- 1) Observe your surroundings, always remove the fallen branches before cutting, always keep the working area clean before operation.
- 2) Always keep the bystanders at least 15 m away from the working area, especially for children.
- 3) Always wear a helmet, ear protection and safety gloves when working with the pruner. Also wear eye protection to keep oil spray and sawdust out of your eyes. Wear dust mask to protect against dust.
- 4) Do not wear loose clothing, jewelry, or short pants while operating.
- 5) Never use the pruner while standing on a ladder.
- 6) Do not overreach. Always keep a firm footing and balance during operation, always use the provided harness to distribute the load evenly on your body.
- 7) Wear sturdy boots to protect yourself from slipping.
- 8) Do not use the electric pruner in rain or wet conditions .
- 9) Avoid using the pruner close to power lines . Keep a safe distance of at least 10 m to over ground power lines .

- 10) Do not stand under the branch you are cutting. Branches may fall without warning. Also beware of the risk of being struck by those that rebound after hitting the ground . Work at an angle of no more than 60° .
- 11) Keep in mind that, when using the upper point of the saw, the pruner may kick back quite violently.
- 12) Keep your eyes not only on the branches you are cutting, also keep an eye on the ground to prevent tripping over from branches that already have fallen .
- 13) Keep a period of rest for at least 30 minutes after one hour's operation, otherwise you are get too tired to control the pruner.
- 14) Always wear gloves when handling the saw chain .
- 15) Always cover the guide bar and chain with the protective cover during transportation and storage.
- 16) Do not operate the machine in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. The machine creates sparks



which may ignite the dust or fumes.

- 17) Do not use the machine if the switch does not turn it on and off. Any machine that cannot be controlled with the switch is dangerous and must be repaired.
- 18) Store idle machine out of the reach of children and do not allow persons unfamiliar with the machine or these instructions to operate the machine. Machines are dangerous in the hands of untrained users.
- 19) Maintain machine. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machine's operation. If damaged, have the machine repaired before use. Many accidents are caused by poorly maintained machine.
- 20) Keep saw chain sharp and clean . Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- 21) Have your machine serviced by a qualified repair person using only original replacement parts. This will ensure that the safety of the machine is maintained.



Children should be supervised to ensure that they do not play with the appliance.

Additional risks

**Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:**



→ to lungs if an effective dust mask is not worn.

→ to hearing if effective hearing protection is not worn.

3. Health defects resulting from vibration emission if the appliance is being used over longer period of time or not adequately managed and properly maintained.

**WARNING!** This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and

**the medical implant manufacturer before operating this machine.**

**SAVE THESE INSTRUCTIONS!!!**

# Technical Specification

Guide Bar Length	8" (20 .3 cm)&10"(25 .4cm)	
Chain Pitch	3/8" (9 .5 mm)	
Cutting length	8''(20 3 cm)&10"(25 4cm)	
Guide bar type	8" bar 080SDEA041 (Oregon) 10" bar 100SDEA041 (Oregon)	
Oil tank capacity	105ml	
Chain speed at no load	7 .5m/s	
Weight(without battery, chain and bar)	3.4kg	
Battery Pack Models	A40B25B01	A40B50B01
voltage	40VDC	40VDC
Capacity	2.5Ah	5.0Ah
Battery charging time	46 (min) , if A40KC250B01 charger is used. 90(min), if A40MC75B01 charger is used.	51 (min) , if A40KC250B01 charger is used. 180(min), if A40MC75B01 charger is used.
Charger (model)	A40KC250B01	
Input	120-240VAC, 50-60Hz, 3.5A	
Output	40V DC 6A	

Allowable charge temperature range	4 - 40 °C
Charger (model)	A40MC75B01
Input	120-240Vac 50-60Hz, 1.8A
Output	40VDC 1.8A
Allowable charge temperature range	4 - 40 °C

The declared vibration total value and the declared noise emission values have been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value may also be used in a preliminary assessment of exposure.

## Warning!

The vibration and noise emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used, in particular, what kind of work piece is machined.

It is necessary to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time)

Try to minimize the impact of vibration and noise. Exemplary measures to reduce vibration exposure include wearing gloves while using the tool, limiting working time, and using accessories in good condition.

# Description

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Read this operator's manual and safety rules before operating your pole saw. Compare the illustration in Figure 1 to your lawn mower in order to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.

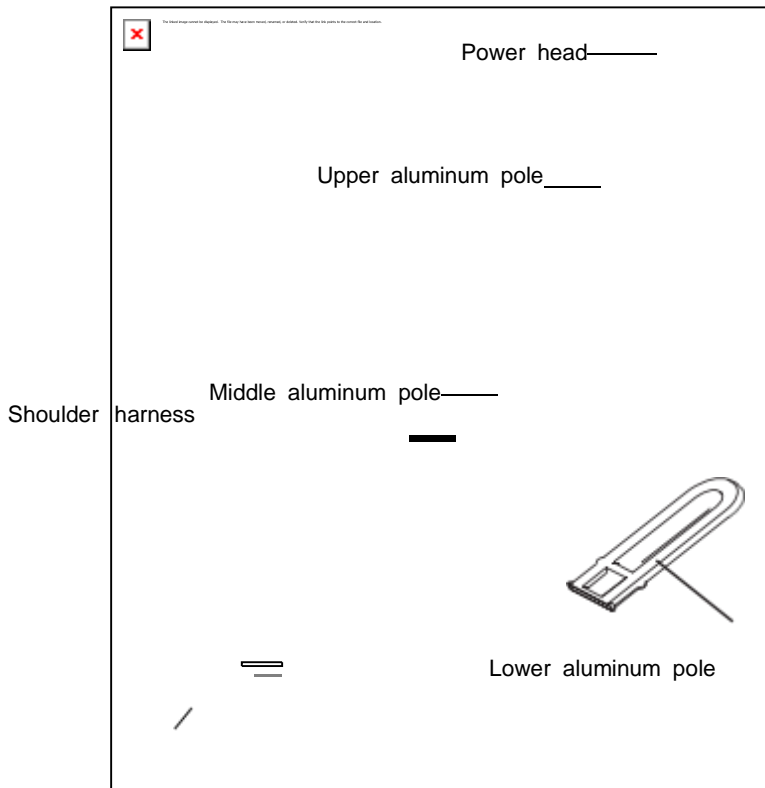


Fig.1

# ASSEMBLY

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## UNPACKING

This product has been shipped completely assembled.

- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.
- If any parts are damaged or missing, please call 866-678-8989 for assistance.

## PACKING LIST

- Pole saw

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- Operator's Manual
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## WARNING

If any parts are damaged or missing, do not operate this product until the parts are replaced. Failure to heed this warning could result in serious personal injury.

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## WARNING

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

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## WARNING

Do not fit on the battery until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

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# ASSEMBLY

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## **WARNING**

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

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## **WARNING**

Always wear safety goggles or safety glasses with side shields when operating power tools. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

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## **WARNING**

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

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## **CONNECTING THE POLES** (See *Figure 2*)

Before using the pole saw, assembly is required. When removed from the box, there are the three poles as shown below.

Remove packaging material from cord and discard.

Insert the middle aluminum pole into the lower aluminum pole and slide together. The tubes are egg-shaped and will only install one way.

Raise the locking sleeve on the lower aluminum pole to the threaded base on the middle aluminum pole and rotate clockwise to secure.

Repeat this process to attach the upper aluminum pole to the middle aluminum pole.

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## **WARNING**

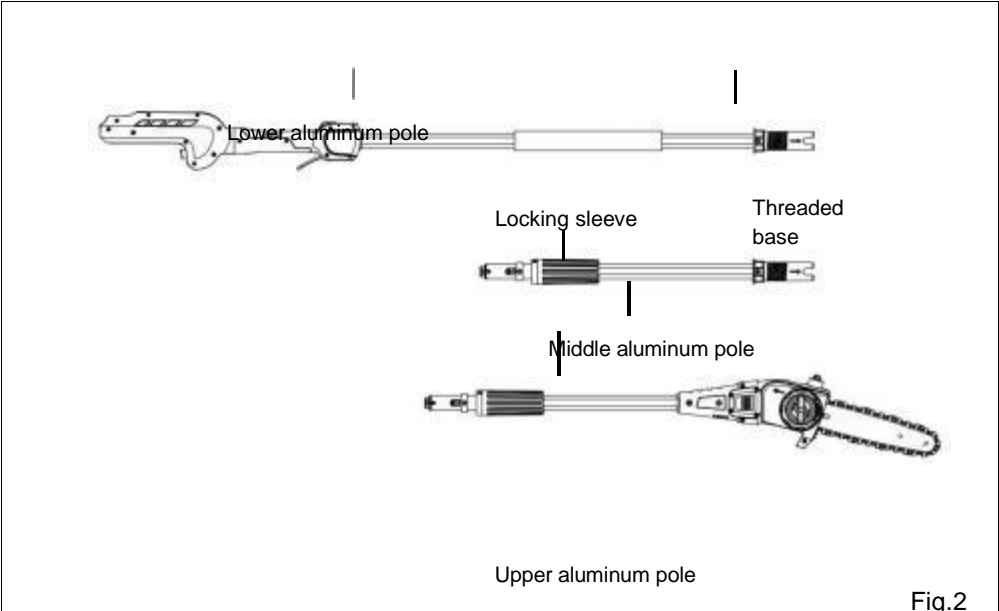
Failure to lock upper aluminum pole as directed above could result in serious injury or death.

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# ASSEMBLY

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# OPERATION

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## WARNING

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.



## WARNING

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

## WARNING

Always wear safety goggles or safety glasses with side shields when operating power tools. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

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## APPLICATIONS

You may use this product for the purposes listed below:

- Limbing
- Pruning

# OPERATION

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## **ADDING BAR LUBE** (See Figure 3)

*NOTE: Pole saw comes from the factory with no bar lube added. Level should also be checked after every 20 minutes of use and refilled as needed*

Add bar lube by following the next steps.

- Remove oil cap.
- Carefully pour the bar lube into the reservoir.
- Wipe off excess oil.
- ~~Check and fill the reservoir when there is no lube in the reservoir.~~
- Repeat as needed.

*NOTE: Do not use dirty, used or otherwise contaminated oils. Damage may occur to the bar or chain.*

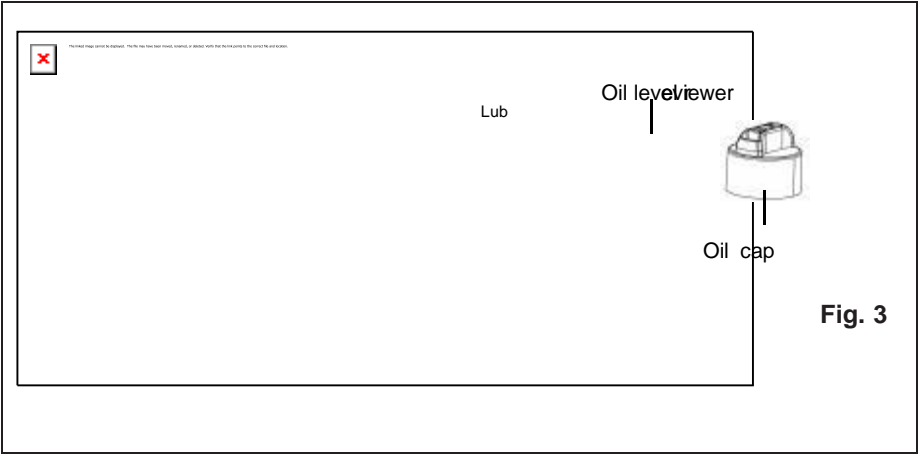
*NOTE: It is normal for oil to seep from the saw when not in use. To prevent seepage, empty the oil tank after each use then run for one minute. When storing the unit for a long period of time (three months or longer) be sure the chain is lightly lubricated; this will prevent rust on the chain and bar sprocket.*

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## **IMPORTANT**

To preserve natural resources, please recycle or dispose of oil properly. Consult your local waste authority for information regarding available recycling and/disposal options.

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# OPERATION

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## BATTERY PACK (See Figure 4)

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### IMPORTANT

The battery pack is not charged when it is purchased. Before using the pole saw for the first time, place the battery pack in the battery charger and charge it fully. Be sure to read all safety precautions, and follow the instructions in the section entitled Charging Procedure. With regular use, the battery will require shorter charging times. When storing the pole saw for a prolonged period of time, remove the battery. When the pole saw is going to be used again, charge the battery pack for at least a full charging period. This product has no memory effect.

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### REMOVING THE BATTERY PACK

Press down the battery release button (see Fig.4) on the battery pack.

Grasp the pole saw firmly, and pull the battery pack out of the handle.

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*Note: The battery pack fits into the handle snugly in order to prevent accidental dislodging. It may require a strong pull to remove it.*

# OPERATION

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## INSTALLING THE BATTERY PACK


- Align the tongue (3) of the battery pack with the cavity.
- Grasp the pole saw (2) firmly.
- Push the battery pack into the handle until the latch locks into place.

 Do not use force when inserting the battery pack. It should slide into position and “click” .

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## WARNING

Follow these instructions in order to avoid injury and to reduce the risk of electric shock or fire:

- Replace the battery pack or the charger immediately if the battery case or charger cord is damaged.
  - Verify that the switch is in the OFF position before inserting or removing the battery pack.
  -  Verify that the battery pack is removed and the switch is in the OFF position before inspecting, adjusting, or performing maintenance on any part of the pole saw.
  - Read, understand, and follow the instructions contained in the section entitled Charging Procedure.
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## IMPORTANT

This Lithium-ion battery pack is equipped with an internal circuit breaker which will automatically shut off the power to the tool and then reset itself once cooled.

Follow these steps if an overload occurs while under heavy use:

1. Release the power switch and restart tool by depressing switch.
  2. The battery may need to be removed for approximately 1 minute, allowed to cool and then reinstalled for use.
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# OPERATION

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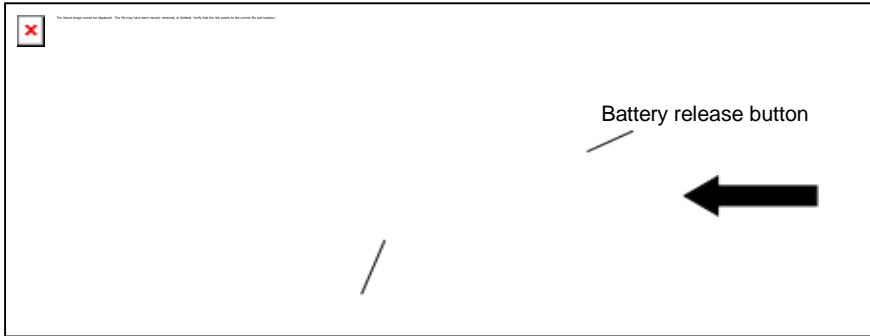


Fig.4

# OPERATION

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## STARTING AND STOPPING (See Figure 5)

### TO START THE MOTOR:

- Fit the battery pack into the pole saw.
- Push the lock-off switch forward with your thumb. This makes the switch trigger operational.
- Press and hold the switch trigger, release the lock-off switch and continue to squeeze the switch trigger for continued operation.

### TO STOP THE MOTOR:

- Release the switch trigger.

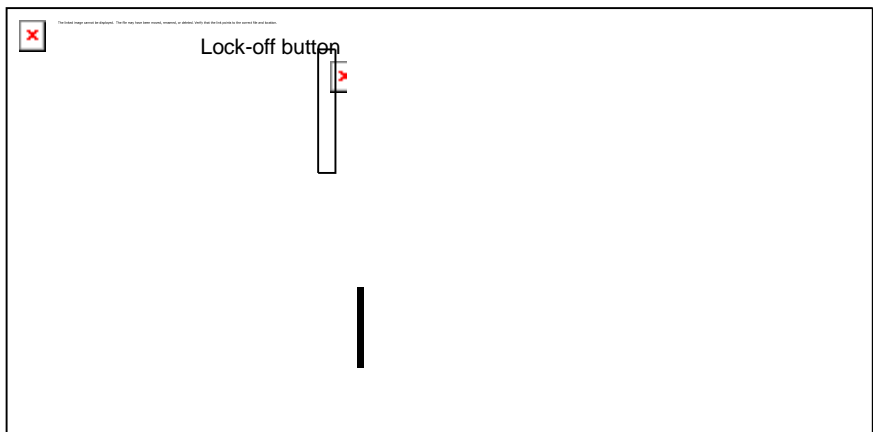


Fig.5



# OPERATION

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# MAINTENANCE

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## WARNING

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

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## WARNING

Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

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## WARNING

Before inspecting, cleaning or servicing the unit, stop the motor, wait for all moving parts to stop, and remove the battery. Failure to follow these instructions can result in serious personal injury or property damage.

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## GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

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## WARNING

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic, which may result in serious personal injury.

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All pole saw service, other than the items listed in the instruction manual maintenance instructions, should be performed by competent pole saw service personnel.

## CHAIN TENSION (See Figure 6- 11)



## WARNING

To avoid possible serious injury, never touch or adjust the chain while the motor is running. The saw chain is very sharp; always wear protective gloves when performing maintenance to the chain.

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# MAINTENANCE

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- Stop the motor and disconnect from power supply before setting the chain tension. Make sure the guide bar nut is loose enough to finger tighten, turn the chain tensioning screw (see figure 10) clockwise to tension the chain. Refer to Replacing the Bar and chain for additional information.
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*NOTE: A cold chain is correctly tensioned when there is no slack on the underside of the guide bar, the chain is snug, but it can be turned by hand without binding.*

- Chain must be retensioned whenever the flats on the drive links hang out of the bar groove as shown in Fig. 6.
- During normal operation, the temperature of the chain will increase. The drive links of a correctly tensioned warm chain will hang approximately 1/16" (1.3 mm) out of the bar groove, as shown in Fig. 7.

# MAINTENANCE

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NOTE: New chain tends to stretch; check chain tension frequently and tension as required.

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## CAUTION



Fig. 6

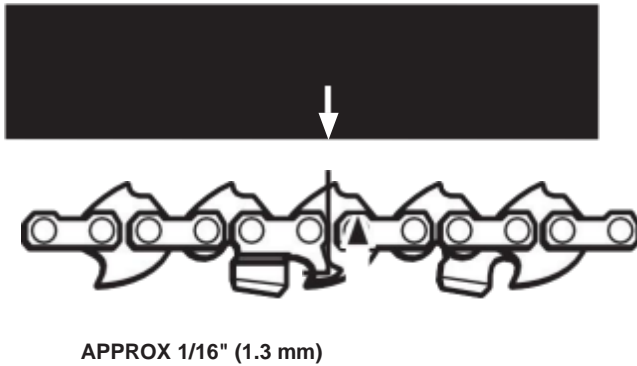


Fig. 7

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Chain tensioned while warm, may be too tight upon cooling. Check the "cold tension" before next use.

# MAINTENANCE

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## CUTTING TIPS FOR PRUNER .

Do not work with an angle higher than 60° . The pruner will work under higher degrees, but there is the danger of being injured by branches falling without warning.

**Keep an eye at the ground while working to avoid tripping over fallen branches.**

Never use the pruner without oil, use bio- degradable chainsaw oil.

To operate the Pruner push forward the Safety switch and then pull the switch.

The Pruner is equipped with a low-kickback chain and it was also done everything from an engineering point of view to keep kickback low. Nevertheless, some kickback cannot be avoided when cutting with the

# MAINTENANCE

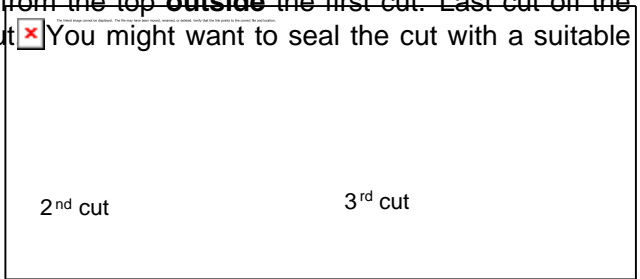
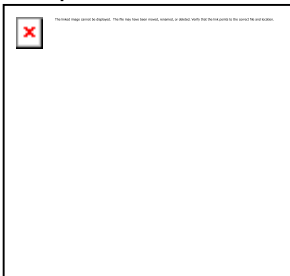
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upper tip of the blade. Be prepared for some kickback when using this area of the blade or hitting another branch with this area. Always hold the unit firmly in both hands.

Thin branches can be cut off with one single cut. To prevent the branch from slivering and buckling the branch should be cut off in several pieces.

When cutting off larger branches, you should first cut into the branch from below. First cut into the branch from below outside the place where you intend to cut off the branch. The cut should go from one third to halfway through the branch. This prevents the branch from buckling when you cut into the branch from the top **outside** the first cut. Last cut off the stump with one clean cut.

compound.



# MAINTENANCE

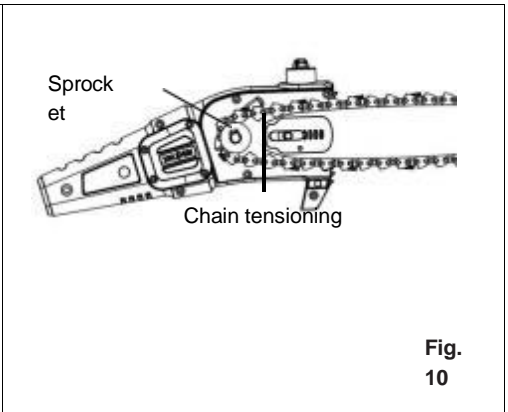
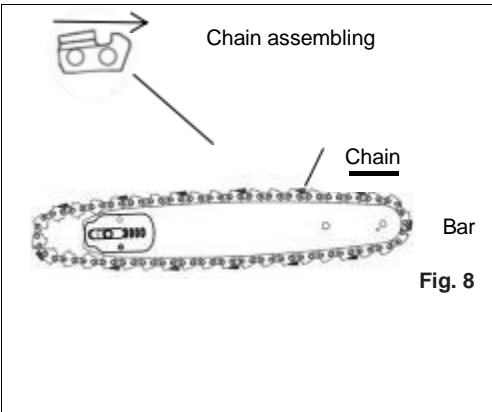
## REPLACING THE BAR AND CHAIN (See Figure 8- 11)



To avoid possible serious injury, stop the motor and remove the battery from the pole saw before replacing the bar, chain, or performing any maintenance operation.

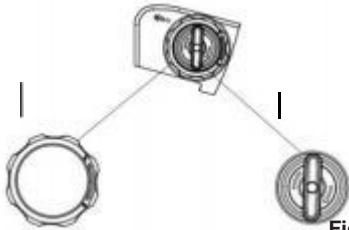
- Turn the side-cover knob in counterclockwise to loosen the side-cover knob and remove the side cover.
  - Fit the chain over the sprocket and into the bar groove. The cutters on the top of the bar should face toward the bar tip, in the direction of the chain rotation.
  - Fit the bar and chain into the groove of the upper aluminum pole. Close the side cover and tighten the side-cover knob in clockwise.
  - Check the tightness between the chain and the bar.
- 
- If the chain is too tight or too loose, turn the side-cover knob counterclockwise in 1 turn and then adjust the chain tensioning knob.
  - Repeat this process until the tightness is proper.

*NOTE: If chain is too tight, it will not rotate. If the chain is too loose, it will slip from guide rail.*



# MAINTENANCE

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Chain tensioning knob

Side-cover knob

Fig. 9



After assembly

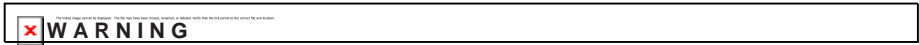
Fig. 11



# MAINTENANCE

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## Lubrication (See Figure 12)



To avoid possible serious injury, stop the motor and remove the battery from the pole saw before replacing the bar, chain, or performing any maintenance operation.

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- Use Premium Bar and Chain Lubricant . It is designed for chains and chain oilers and is formulated to perform over a wide temperature range with no dilution required.
  - Remove the cap and carefully pour approximately 2 oz (57 g) of bar and chain lubricant into the bar lube reservoir.
- 
- Replace the cap and tighten securely.
  - **Check and refill the bar lube reservoir every time the pole saw is used.**

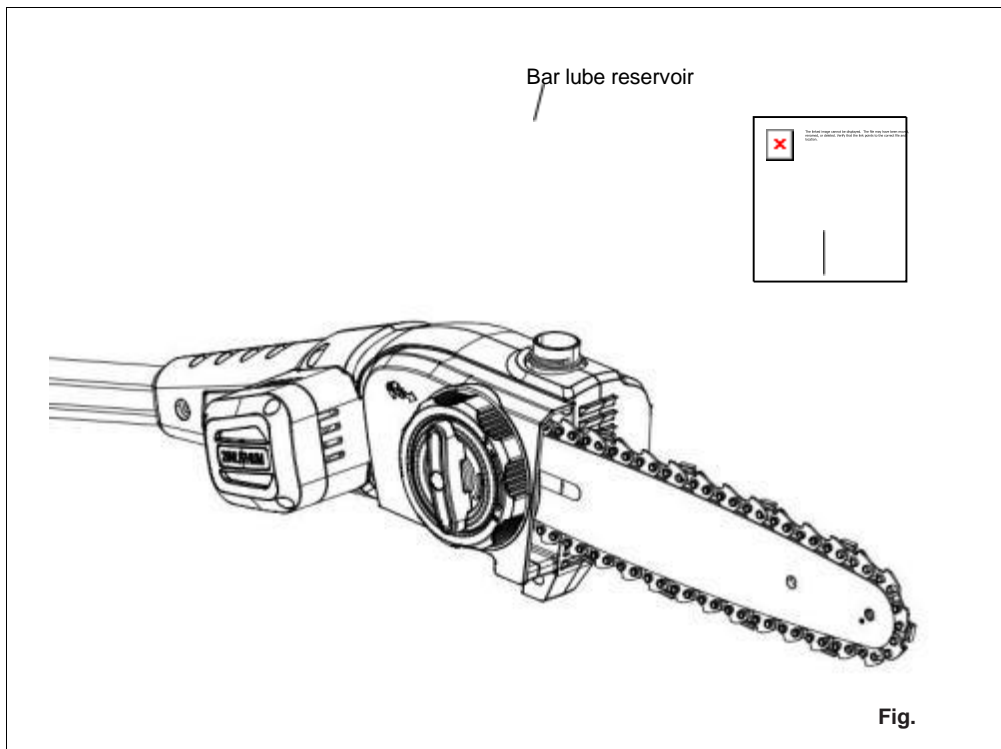
*NOTE: Do not use dirty, used, or otherwise contaminated lubricants. Damage may occur to the oil pump, bar, or chain.*

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*NOTE: There is foam inserted inside the oil reservoir to filter dirt and debris from the oil pump. Do not remove the foam.*

# MAINTENANCE

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# MAINTENANCE

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## CHAIN MAINTENANCE (See Figure 13)

For smooth and fast cutting, the chain needs to be maintained properly. The following conditions indicate that the chain requires sharpening:

- Wood chips are small and powdery
- Chain must be forced through the wood during cutting
- Chain cuts to one side

During maintenance of the chain, consider the following:

- Improper filing angle of the side plate can increase the risk of a severe kickback.
- Depth gauge (or raker clearance) setting determines the height the cutter enters the wood and the size of the wood chip that is removed. Too much clearance increases the potential for kickback. Too little clearance decreases the size of the wood chip thus decreasing the chain's cutting ability.
- If cutter teeth have hit hard objects such as nails and stones, or have been abraded by mud or sand on the wood, have service dealer sharpen chain.

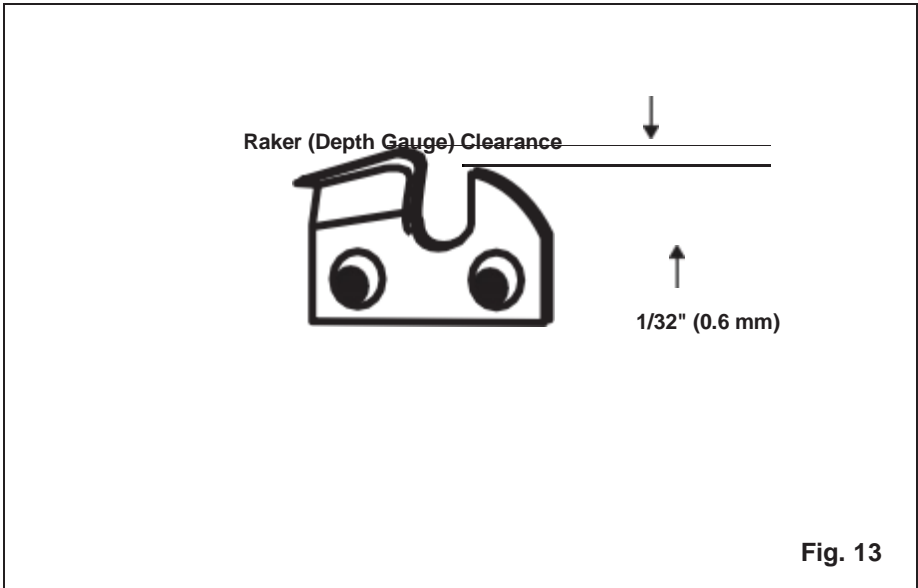


Fig. 13

# MAINTENANCE

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## HOW TO SHARPEN THE CUTTERS (See Figure 14- 17)

Be careful to file all cutters to the specified angles and to the same length, as fast cutting can be obtained only when all cutters are uniform.

- Tighten the chain tension enough that the chain does not wobble. Do all of your filing at the midpoint of the bar. Wear gloves for protection.
- Use a round file and holder.
- Keep the file level with the top plate of the tooth. Do not let the file dip or rock.
- Using light but firm pressure, stroke towards the front corner of the tooth. Lift file away from the steel on each return stroke.
- Put a few firm strokes on every tooth. File all left hand cutters in one direction. Then move to the other side and file the right hand cutters in the opposite direction. Occasionally remove filings from the file with a wire brush.

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### CAUTION

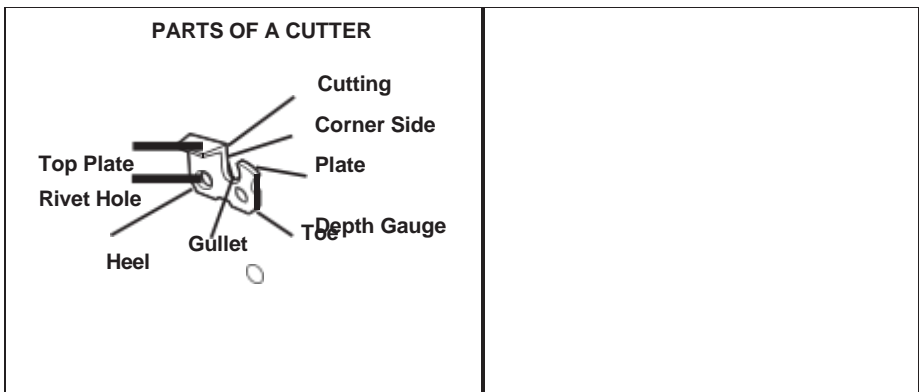
 Dull or improperly sharpened chain can cause excessive motor speed during cutting which may result in severe motor damage.

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### WARNING

Improper chain sharpening increases the potential of kickback. Failure to replace or repair damaged chain can cause serious injury.

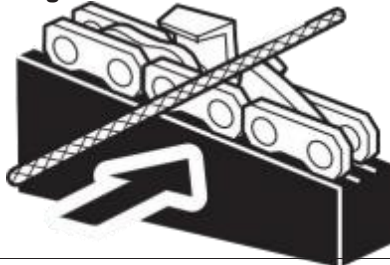
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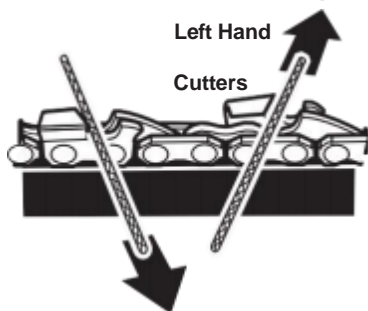
# MAINTENANCE

Fig. 14

Fig. 15



The most important part of the machine is the cutter. The cutter is the part that does the cutting. It is the part that is most important to the machine. It is the part that is most important to the machine.



Left Hand

Left Hand

Cutters

Right Hand

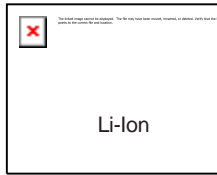
Cutters


Fig. 17

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# ENVIRONMENTALLY SAFE BATTERY DISPOSAL

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The batteries used in this pole saw's battery pack contain the following toxic and corrosive material:  LITHIUM-ION.

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## WARNING

Toxic materials must be disposed of in a specified manner in order to prevent contamination of the environment. Before disposing of damaged or worn out Lithium-Ion battery packs, contact your local waste disposal agency or the local Environmental Protection Agency for information and specific instructions. Take the batteries to a local recycling and/or disposal centre that is certified for disposal. If the battery pack cracks or breaks, whether it leaks or not, do not recharge it and do not use it. Dispose of it and replace it with a new battery pack. DO NOT ATTEMPT TO REPAIR IT!

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Follow these instructions in order to avoid injury and the risk of fire, explosion, or electric shock, and to avoid damage to the environment:

- Cover the battery's terminals with heavy-duty adhesive tape.
- Do not attempt to remove or destroy any of the components of the battery pack.
- Do not attempt to open the battery pack.
- If a leak develops, the electrolytes that are released are corrosive and toxic. Do not get the solution in the eyes or on the skin, and do not swallow it.
- Do not place batteries in regular household trash.
- DO NOT incinerate batteries.
- DO NOT place batteries where they will become part of any waste landfill or municipal solid waste stream.
- Dispose of batteries at a certified recycling or disposal centre.

# TROUBLESHOOTING

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PROBLEM	POSSIBLE CAUSE	SOLUTION
<p>Bar and chain running hot and smoking.</p>	<p>Check chain tension for over-Tension tightened condition.</p> <p>Bar lube reservoir empty.</p>	<p>Tension chain. Refer to Chain earlier in this manual.</p> <p>Check bar lube reservoir.</p>
<p>Motor runs, but chain is not rotating</p>	<p>Chain tension too tight.</p> <p>Check guide bar and chain assembly.</p> <p>Check guide bar and chain for damage.</p>	<p>Retention chain. Refer to Chain Tension earlier in this manual.</p> <p>Refer to Replacing the Bar and Chain earlier in this manual.</p> <p>Inspect guide bar and chain for damage.</p>

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# WARRANTY

## HENX WARRANTY POLICY

2 year limited warranty on HENX outdoor power equipment and 2 year limited warranty on HENX battery packs and chargers.

Please contact HENX Customer Service at 866-678-8989 any time you have questions or warranty claims.

## LIMITED SERVICE WARRANTY

FOR TWO YEARS from the date of original retail purchase, this HENX product is warranted against defects in material or workmanship. Defective product will receive free repair.

FOR TWO YEARS from the date of original retail purchase, the HENX battery pack and charger are warranted against defects in material or workmanship. Defective product will receive free repair.

- a) This warranty applies only to the original purchaser from an authorized HENX retailer and may not be transferred.
- b) The warranty period for any HENX product or part used for industrial, professional or commercial purpose is one year.
- c) This warranty is void if the product has been used for rental purpose.
- d) This warranty does not cover the damage resulting from modification, alteration or unauthorized repair or from use of any cutting line other than standard nylon cutting line with a diameter that does not exceed 0.090 in. (2.3 mm) recommended for use with this product.
- e) This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defect resulting from misuse, abuse (including overloading of the product beyond capacity and immersion in water or other liquid), accidents, neglect or lack of proper installation, and improper maintenance or storage.
- f) This warranty does not cover 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.



## **HOW TO OBTAIN SERVICE**

For warranty service, please contact HENX customer service toll-free at

866-678-8989. When requesting warranty service, you must present the original dated sales receipt. An authorized service center will be selected to repair the product according to the stated warranty terms.

## **ADDITIONAL LIMITATIONS**

To the extent permitted by applicable law, all implied warranties, including warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, are disclaimed. Any implied warranties, including warranties of merchantability or fitness for a particular purpose, that cannot be disclaimed under state law are limited to four years from the date of purchase for outdoor power equipment and two years from date of purchase for battery pack and charger.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.





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