

greenworks

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EN

POLESAW HEAD

OPERATOR MANUAL



E8038

PAC460

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1	Description.....	2	6.3	Assemble the guide bar and the chain.....	5
1.1	Purpose.....	2	6.4	Install the attachment.....	6
1.2	Overview.....	2	6.5	Attach the carrying ring.....	6
1.3	Packing list.....	2	6.6	Use the shoulder strap.....	6
2	General power tool safety		6.7	Cutting preparation.....	7
	warnings.....	2	7	Operation.....	7
2.1	General safety rules.....	2	7.1	Delimbing a tree.....	7
2.2	Child safety.....	3	7.2	Limb tree branches.....	7
3	Symbols on the product.....	4	8	Maintenance.....	7
4	Risk levels.....	4	8.1	Adjust the chain tension.....	8
5	Recycle.....	4	9	Transportation and storage.....	8
6	Installation.....	4	10	Troubleshooting.....	8
6.1	Unpack the machine.....	4	11	Technical data.....	9
6.2	Add bar and chain oil.....	5	12	Warranty.....	9

1 DESCRIPTION

1.1 PURPOSE

This product is a cutting implement mounted on a pole to enable the operator to cut the branches of standing trees. It is not intended for use as a regular chainsaw.

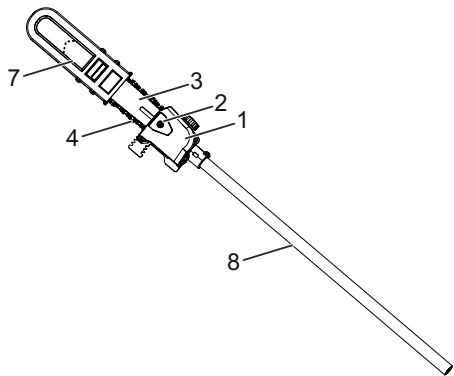
This appliance is not intended for use by persons with reduced understanding, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Never allow children to operate this product.

Never allow adults to operate this equipment without proper instruction.

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

1.2 OVERVIEW



- | | |
|------------------------|------------------|
| 1 Pole saw head | 5 Release button |
| 2 Chain cover lock nut | 6 Knob |
| 3 Bar | 7 Scabbard |
| 4 Chain | 8 Lower shaft |

1.3 PACKING LIST

- | | |
|------------------|----------|
| 1 Pole saw head | 4 Wrench |
| 2 Scabbard | 5 Manual |
| 3 Shoulder strap | 6 Oil |

2 GENERAL POWER TOOL SAFETY WARNINGS

▲ WARNING

Do not operate near electrical power lines. The unit has not been designed to provide protection from electric shock in the event of contact with overhead electric lines. Consult local regulations for safe distances from overhead electric power lines and ensure that the operating position is safe and secure before operating the saw chain pole pruner.

▲ WARNING

Read all safety warnings and all 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.

The term “power tool” in the warnings refers to your battery-operated (cordless) power tool.

2.1 GENERAL SAFETY RULES

- Avoid Dangerous Environment – Don't use appliances in damp or wet locations.
- Don't Use In Rain.
- Keep Children Away – All visitors should be kept at a distance from work area.
- Dress Properly – Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
- Use Safety Glasses – Always use face or dust mask if operation is dusty.
- Use Right Appliance – Do not use appliance for any job except that for which it is intended.
- Avoid Unintentional Starting – Don't carry plugged-in appliance with finger on switch. Be sure switch is off when plugging in. Carrying the appliance with your finger on the switch or energizing appliance that have the switch on invites accidents.
- Don't grasp the exposed cutting blades or cutting edges when picking up or holding the appliance. (For grass shears and similar appliances only.)
- Don't Force Appliance – It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
- Don't Overreach – Keep proper footing and balance at all times.
- Stay Alert – Watch what you are doing. Use common sense. Do not operate appliance when you are tired.
- Disconnect Appliance – Disconnect the appliance from the power supply when not in use, before servicing, when changing accessories such as blades, and the like.

- Store Idle Appliances Indoors – When not in use, appliances should be stored indoors in dry, and high or locked-up place – out of reach of children.
- Maintain Appliance With Care – Keep cutting edge sharp and clean for best performance and to reduce the risk of injury. Follow instructions for lubricating and changing accessories. Keep handles dry, clean, and free from oil and grease.
- Check Damaged Parts – Before further use of the appliance, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless indicated elsewhere in this manual.
- Keep all parts of the body away from the saw chain. Do not remove cut material or hold material to be cut when blades are moving. Make sure the switch is off when clearing jammed material. Saw chain continues to move after the switch is turned off. A moment of inattention while operating the pole saw may result in serious personal injury.
- Carry the pole saw by the handle with the saw chain stopped. When transporting or storing the pole saw, always fit the saw chain device cover. Proper handling of the pole saw will reduce possible personal injury from the saw chain.
- Hold the pole saw by insulated gripping surfaces only, because the saw chain may contact hidden wiring or its own cord. A saw chain contacting a "live" wire may make exposed metal parts of the pole saw "live" and could give the operator an electric shock.
- Keep cable away from cutting area. During operation the cable may be hidden in shrubs and can be accidentally cut by the saw chain.
- Do not use the pole saw in bad weather conditions, especially when there is a risk of lightning. This decreases the risk of being struck by lightning.
- To reduce the risk of electrocution, never use near any electrical power lines. Contact with or use near power lines may cause serious injury or electric shock resulting in death.
- Always use two hands when operating the pole saw. Hold the pole saw with both hands to avoid loss of control.
- Always use head protection when operating the pole saw overhead. Falling debris can result in serious personal injury.
- Prevent unintentional starting. Ensure the power switch is in the off-position before connecting to battery pack, picking up or carrying the appliance. Carrying the appliance with your finger on the power switch or energizing appliance that have the power switch on invites accidents.
- Make sure the power switch is off and the battery pack is removed before clearing jammed material, making adjustments, changing accessories, storing or servicing the appliance. Unexpected actuation of the appliance while clearing jammed material or servicing may result in serious personal injury.
- 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.
- Use appliances only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- 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.
- 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.
- Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion. The temperature of 130°C can be replaced by the temperature of 265°F.
- Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- Do not modify or attempt to repair the appliance or the battery pack (as applicable) except as indicated in the instructions for use and care.

2.2 CHILD SAFETY

Tragic accidents can occur if the operator is not aware of the presence of children.

- Keep children out of the working area and under the watchful care of a responsible adult.
- Do not allow children under the age of 14 to operate this machine. Children who are 14 years of age and older must read and understand the operating instructions and safety rules in this manual and must be trained and supervised by a parent.
- Stay alert, and turn the machine off if a child or any other person enters the working area.
- Use extreme care when approaching blind corners, doorways, shrubs, trees, or other objects that may obscure your view of a child who may run into the path of the machine.


3 SYMBOLS ON THE PRODUCT



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	Explanation
	Direct current-Type or characteristic of current.
	Precautions that involve your safety.
	Read and understand all instructions before operating the product, and follow all warnings and safety instructions.
	Wear eye protection.
	Do not expose the product to rain or moist conditions.
	Wear ear protection.
	Wear head protection.
	Wear safety footwear.
	Wear non-slip, heavy duty gloves.
	DANGER! Risk of electrocution!




4 RISK LEVELS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYM-BOL	SIGNAL	MEANING
	DANGER	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.



SYM-BOL	SIGNAL	MEANING
	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	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

5 RECYCLE

	Separate collection. You must not discard with usual household waste. If it is necessary to replace the machine, or if it is no more use to you, do not discard it with household waste.
	Separate collection of used machine and packaging let you recycle materials and use them again. Use of the recycled materials helps prevent environmental pollution and decreases the requirements for raw materials.
	At the end of their useful life, discard batteries with a precaution for our environment. The battery contains material that is dangerous to you and the environment. You must remove and discard these materials separately at a location that accepts lithium-ion batteries.

6 INSTALLATION

6.1 UNPACK THE MACHINE

 WARNING
Make sure that you correctly assemble the machine before use.
 WARNING
<ul style="list-style-type: none">• If parts of the machine are damaged, do not use the machine.• If you do not have all the parts, do not operate the machine.• If parts are damaged or missing, contact the service center.

1. Open the package.
2. Read the documentation provided in the box.

3. Remove all the unassembled parts from the box.
4. Remove the machine from the box.
5. Discard the box and packing material in compliance with local regulations.

6.2 ADD BAR AND CHAIN OIL

Examine the amount of oil in the machine. If the oil level is low, add the bar and chain oil as follows.

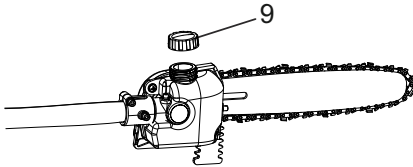
i IMPORTANT

Use only bar and chain oil.

i NOTE

The machine comes from the factory without bar and chain oil.

1. Loosen and remove the cap (9) from the oil tank.



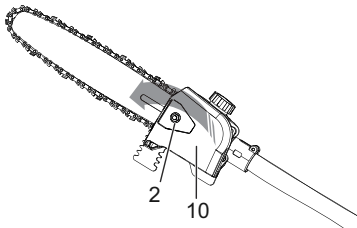
2. Put the oil into the oil tank.
3. Monitor the oil window to make sure that no dirt gets into the oil tank while you add the oil.
4. Put the oil cap on.
5. Tighten the oil cap.
6. The whole oil tank will last for approximately 15 - 40 minutes.

i IMPORTANT

Do not use dirty, used or contaminated oil. Damage can occur to the bar or chain.

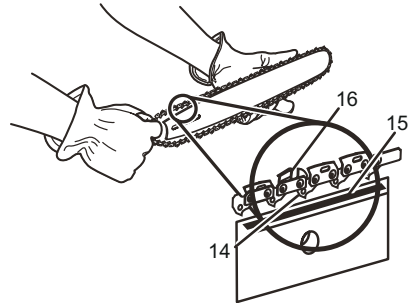
6.3 ASSEMBLE THE GUIDE BAR AND THE CHAIN

1. Loosen the chain cover by turning the bar nut (2) counterclockwise.
2. Remove the chain cover (10).

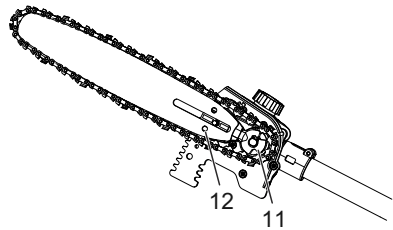


3. Put the chain drive links (14) into the bar groove (15).

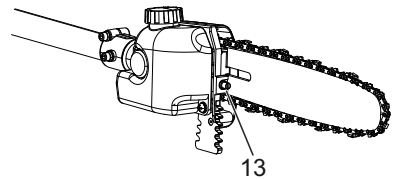
4. Put the chain cutters (16) in the direction of the chain operation.
5. Put the chain in position and make sure that the loop is behind the guide bar.



6. Hold the chain and bar.
7. Put the chain loop around the sprocket (11).
8. Make sure the chain tension pin hole (12) on the guide bar fits correctly with the bolt.



9. Install the chain cover.
10. Tighten the chain. Refer to *Adjust the chain tension*.

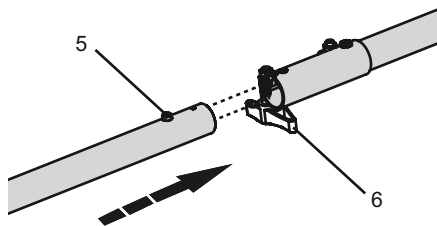


11. Tighten the bar nut when the chain is correctly tensioned.

i NOTE

If you start the chain saw with a new chain, have a test for 2-3 minutes. A new chain gets longer after the first use, examine the tension and tighten the chain if necessary.

6.4 INSTALL THE ATTACHMENT



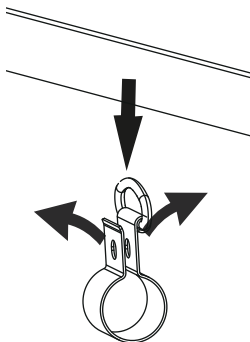
1. Remove the rubber protector.
2. Loosen the knob (6) on the coupler.
3. Push in the release button (5) located on the lower shaft. Align the release button with the positioning hole and slide the two shafts together. Rotate the lower shaft until the button locks into the positioning hole.
4. Tighten the knob (6) securely.

i NOTE

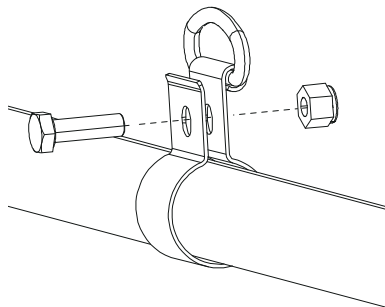
If the button does not release completely in the positioning hole, the shafts are not locked into place. Slightly rotate from side to side until the button is locked into place.

6.5 ATTACH THE CARRYING RING

1. Pull carrying ring apart and place over power head end of shaft; position near the power head.



2. Install bolt and lock nut.



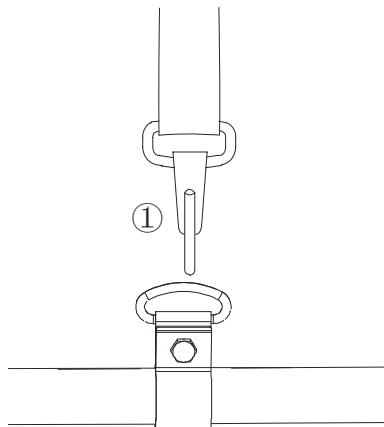
3. Tighten nut securely.

i NOTE

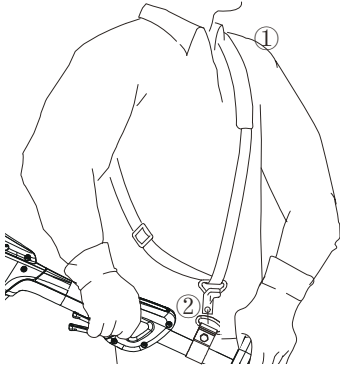
Check for tightness before each use to avoid serious injury or product damage.

6.6 USE THE SHOULDER STRAP

1. Attach the carabiner to the carrying ring on the pole.



2. Put on the shoulder strap.
3. Adjust the length of the strap so that the carabiner is about the width of a hand below your right hip.



6.7 CUTTING PREPARATION

Before you start to cut, make sure that

- Wear heavy gloves for maximum grip and protection.
- Maintain a proper grip on the machine during operation.
 - Use your right hand grip on the rear handle while your left hand grip on the pole shaft.
 - Keep your body to the left of the chain line.
 - Never use a left-handed (cross-handed) grip, or any stance that places your body or arm across the chain line.
- Never stand directly under the limb you are cutting.
- Periodically examine the tightness of the collars during operation.

7 OPERATION

i NOTE

Remove the battery pack and keep hands clear of the lock out button when you move the machine.

i IMPORTANT

Examine the chain tension before each use.

7.1 DELIMBING A TREE



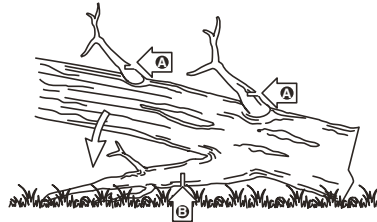
▲ WARNING

Make sure that there is nothing or nobody in the area where the branches fall.

- Stand opposite the branch you will cut.
- Start to cut the higher branches.
- Then cut the lower branches.
- Cut downwards to prevent the bar from jamming.

7.2 LIMB TREE BRANCHES

Limbing is to remove the branches from a fallen tree.



1. Keep the larger lower branches to hold the log off the ground.
2. Remove the small limbs in one cut.
3. Limb the branches with tension from the bottom to up.
4. Keep the larger lower branches as a support until the log is limbed.

8 MAINTENANCE

▲ CAUTION

Do not let brake fluids, gasoline, petroleum-based materials touch the plastic parts. Chemicals can cause damage to the plastic, and make the plastic unserviceable.

▲ CAUTION

Do not use strong solvents or detergents on the plastic housing or components.

▲ WARNING

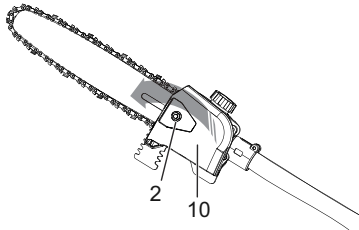
Remove the battery pack from the machine before maintenance.

8.1 ADJUST THE CHAIN TENSION

▲ CAUTION

Wear protective gloves if you touch the chain, bar or areas around the chain.

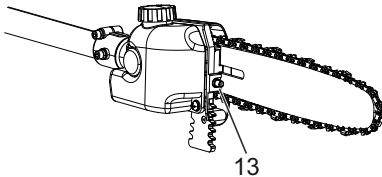
- 1. Loosen the chain cover by turning the bar nut (2) counterclockwise.



i NOTE

It is not necessary to remove the chain cover to adjust the chain tension.

- 2. Turn the chain tension screw (13) clockwise to increase the chain tension.
- 3. Turn the chain tension screw counterclockwise to decrease the chain tension.



- 4. When the chain is at the wanted tension, tighten the chain cover.

9 TRANSPORTATION AND STORAGE

Before you move the machine, always

- Remove the battery pack from the machine.
- Keep hands clear of the lock-out button.
- Put the scabbard on the guide bar and the chain.

Before you put the machine into storage, always

- Remove all residual oil from the machine.
- Remove the battery pack from the machine.
- Clean all unwanted material from the machine.
- Make sure that the storage area is
 - Not available to children.
 - Away from agents which can cause corrosion, such as garden chemicals and de-icing salts.

10 TROUBLESHOOTING

Problem	Possible cause	Solution
The machine does not start.	The poles are not assembled correctly.	Assemble the poles according to the instructions.
	The lock-out button and trigger are not depressed at the same time.	<ul style="list-style-type: none">1. Push and hold the lock-out button2. While you hold the lock-out button, pull the trigger.3. Release the lock-out button to start the machine.
The bar and chain gets hot and smokes.	Oil tank is empty.	Fill the oil tank.
	The discharge port is blocked.	<ul style="list-style-type: none">1. Remove the battery pack.2. Remove dirt from the discharge port.
	Inlet opening of inner oil tank is blocked.	<ul style="list-style-type: none">1. Clean the oil tank.2. Fill with clean bar and chain lubricant.
	The sprocket is stuck and clogged with debris.	<ul style="list-style-type: none">1. Clean the sprocket.2. Fill with clean bar and chain lubricant.
The bar and chain gets too hot and can not cut.	The chain tension is too tight or too loose.	Refer to Adjust the Chain Tension in the manual.
	The chain is dull	Sharpen or replace the chain.
	The chain is put on backwards.	Take out the chain and turn it in the right direction.

Problem	Possible cause	Solution
The motor runs, but the chain does not cut correctly, or the motor stops after around 3 seconds.	When you use the machine under load, it stops.	1. Release the trigger. 2. Start the machine again.
	The chain is not lubricated.	Lubricate the chain to decrease the friction.

11 TECHNICAL DATA

Guide bar length	10" (254 mm)
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12 WARRANTY

(The full warranty terms and conditions can be found on Greenworks website)

The Greenworks warranty is 4 years on the product, and 2 years on batteries and chargers (consumer/private usage) from the date of purchase. This warranty covers manufacturing faults. A faulty product under warranty might be either repaired or replaced. A unit that has been misused or used in other ways than described in the owner's manual might be rejected for warranty. Normal wear, and wear parts are not considered as warranty. The original manufacturer warranty is not affected by any additional warranty offered by a dealer or retailer.

A faulty product must be returned to the point of purchase in order to claim for warranty, together with the proof of purchase (receipt).