



YARDWORKS^{®/MD}

10" (25.4 CM) BRUSHLESS POLE SAW

model number 054-0367-0 | contact us: 1.866.523.5218



Intertek
3026035



IMPORTANT:

Read and follow all safety rules and operating instructions before using this product.

**Instruction
Manual**



For problems or questions, **DO**
NOT RETURN TO STORE. Please
contact one of our Customer
Service Agents who would be
happy to assist you.

For Customer Assistance Please Call:



CANADA: 1.866.523.5218



model no. 054-0367-0 | contact us: 1.866.523.5218

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Please do not operate garden equipment near children. This could lead to severe injury or death.

INTRODUCTION

Congratulations on your purchase of your new Yardworks® tool. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact our Yardworks® customer service line at 1.866.523.5218.

PLEASE READ AND RETAIN THIS INSTRUCTION MANUAL. These instructions will enable you to assemble and maintain your appliance properly. **ALWAYS** observe the “SAFETY RULES”.

The instruction manual was designed to conveniently help you get your purchase ready to use so there's less risk of damaging it and to provide you with enough information for you to get familiar with your product's controls and features and to operate it safely.

SAFETY FIRST



CAUTION: The operation of lawn equipment can result in foreign objects thrown into the eyes, which can result in **SEVERE EYE INJURY**. **ALWAYS** wear safety glasses or eye shields while operating your lawn equipment or performing any adjustments or repairs. We recommend standard safety glasses or a wide vision safety mask worn over spectacles.



Please read this manual carefully and make sure you understand the instructions before using the machine.

Model number: _____

Serial number: _____

Date of purchase (MM/DD/YYYY): _____

Notes: _____

IMPORTANT SAFETY INSTRUCTIONS**FOR ALL APPLIANCES:**

- 1) Avoid Dangerous Environments - Don't use appliances in damp or wet locations.
- 2) Don't Use In Rain.
- 3) Keep Children Away - All visitors should be kept at a distance from work area.
- 4) Dress Properly - Do not wear loose clothing or jewellery. It 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.
- 5) Use Safety Glasses - Always use face or dust mask if operation is dusty.
- 6) Use Right Appliance - Do not use appliance for any job except that for which it is intended.
- 7) Don't grasp the exposed cutting blades or cutting edges when picking up or holding the appliance.
- 8) 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.
- 9) Don't Overreach - Keep proper footing and balance at all times.
- 10) Stay Alert - Watch what you are doing. Use common sense. Do not operate appliance when you are tired.
- 11) 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.
- 12) 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.

- 13) 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 centre unless indicated elsewhere in this manual.

FOR ALL BATTERY-OPERATED GARDENING APPLIANCES:

1. Prevent unintentional starting. Ensure the 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 switch or energizing appliances that have the switch on invites accidents.
2. Disconnect the battery pack from the appliance before making any adjustments, changing accessories, or storing appliance. Such preventive safety measures reduce the risk of starting the appliance accidentally.
3. 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.
4. Use appliances only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
5. When battery pack is not in use, keep it



WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

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.

6. 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.
7. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
8. Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 265°F (130°C) may cause explosion.
9. 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.
10. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
11. 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.

POLE SAW 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 pole saw.

- a) Keep all parts of the body away from the saw chain. 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.
- b) 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.
- c) 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.
- d) Keep cable away from cutting area. During operation the cable may be hidden in shrubs and can be accidentally cut by the saw chain.
- e) 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.
- f) To reduce the risk of electrocution, never use near any electrical power lines. Contact with or use near power lines may



WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.



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cause serious injury or electric shock resulting in death.

- g) Always use two hands when operating the pole saw. Hold the pole saw with both hands to avoid loss of control.
- h) Always use head protection when operating the pole saw overhead. Falling debris can result in serious personal injury.

SAFETY WARNINGS FOR BATTERY PACK

- a) Do not dismantle, open or shred cells of battery pack.
- b) Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.
- c) Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials. *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) Do not remove battery pack from its original packaging until required for use.
- e) Do not subject battery pack to mechanical shock.
- f) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- g) Observe the plus (+) and minus (-) marks on the battery back and equipment and ensure correct use.
- h) Do not use any battery pack which is not designed for use with the equipment.
- i) Keep battery pack out of the reach of children.
- j) Seek medical advice immediately if a cell or battery pack has been swallowed.
- k) Always purchase the battery pack recommended by the device manufacturer for the equipment.
- l) Keep battery pack clean and dry.
- m) Wipe the battery pack terminals with a clean, dry cloth if they become dirty.
- n) Battery pack needs to be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
- o) Do not leave battery pack on prolonged charge when not in use.
- p) After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
- q) Battery pack gives its best performance when it is operated at normal room temperature (68°F ± 9°F/20°C ± 5°C).
- r) When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.
- s) Recharge only with the charger specified by Yardworks®. Do not use any charger other than that specifically provided for use with the equipment. *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*

SAVE THESE INSTRUCTIONS!

- t) **Retain the original product literature for future reference.**
 - u) **Use only the battery pack in the application for which it was intended.**
 - v) **Remove the battery from the equipment when not in use.**
 - w) **Dispose of properly.**
- Consult the dealer or an experienced radio/TV technician for help.

Safety Warnings for Battery Charger

Information for radiated emission:

This device complies with Canadian ICES-001.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:












- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

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 effectively and safely.

Symbol	Designation/Explanation
	To reduce the risk of injury, user must read instruction manual
	Be extra cautious
	Wear ear protection
	Wear eye protection
	Wear head protection
	Protective gloves
	Do not burn
	Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.
	Li-ion battery; battery must be recycled
	Protective footwear
	Warning of danger from overhead electric-power lines



SAVE THESE INSTRUCTIONS!

Symbol	Designation/Explanation
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Yardworks® has established a partnership with the RBRC Corporation to recycle any Yardworks® batteries with the RBRC-call2recycle seal. For environmental protection, please do not discard batteries in the trash. After the battery's life cycle is ended, please call 1-800-822-8837 for a free service that will properly dispose of batteries.





PRODUCT SPECIFICATIONS

Voltage	48 V 
Bar length	10" (25.4 cm)
Chain speed	43 ft/s (13 m/s)
Oil tank capacity	4.6 oz (135 mL)
Chain pitch	3/8" (0.95 cm)
Battery capacity (060-1987-2)	2.0 Ah Li-ion
Charger input (060-1990-2)	120 V~, 60 Hz, 110 W
Charger output (060-1990-2)	48 V  , 2 A
Charging time (approx.)	1 hr
Machine weight (without battery)	12 lb 15 oz (5.88 kg)

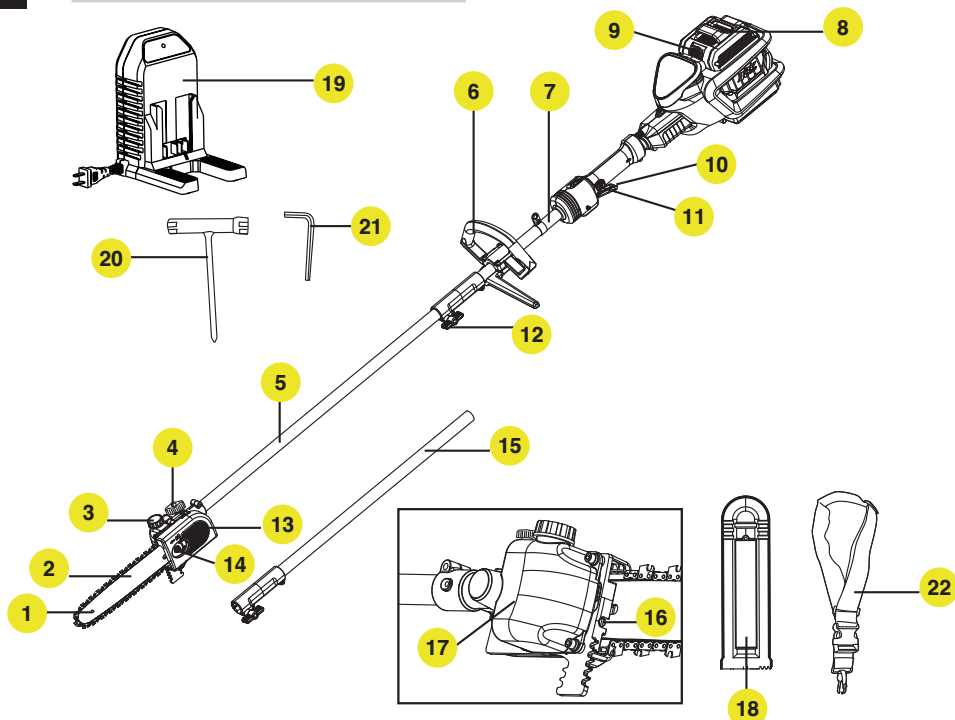
SUITABLE BATTERY PACKS

Item Number	060-1987-2	ABP4830SH	060-1988-0	ABP4850SH	060-1989-8
Battery capacity	2.0 Ah	3.0 Ah	4.0 Ah	5.0 Ah	6.0 Ah
	Included	Not included	Not included	Not included	Not included

SUITABLE CHARGERS

Item number	060-1990-2	060-1992-8
Charger input	120 V~, 60 Hz, 110 W	120 V~, 60 Hz, 320 W
Charger output	48 V  , 2 A	48 V  , 6 A
Charger Protection class	 /II	 /II
	Included	Not included

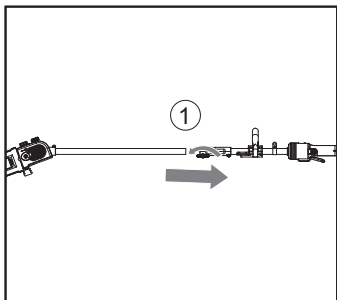
- | | |
|--------------------------------|----------------------------|
| 1. Guide bar | 12. Handle lock knob |
| 2. Chain | 13. Chain cover |
| 3. Oil filler cap | 14. Chain cover lock nut |
| 4. Rotation knob | 15. Extension shaft |
| 5. Upper shaft | 16. Chain tensioning screw |
| 6. Auxiliary handle | 17. Oil tank |
| 7. Lower shaft | 18. Blade protection cover |
| 8. Battery pack (060-1987-2) | 19. Charger (060-1990-2) |
| 9. Battery pack release button | 20. Wrench |
| 10. On/off switch | 21. Hex key |
| 11. Lock off button | 22. Shoulder strap |



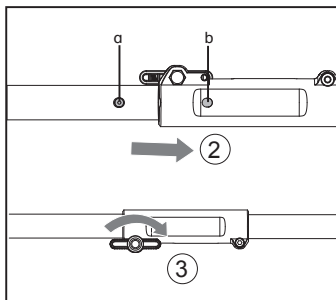
We recommend that you purchase your accessories from the same store that sold you the tool. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

1. ASSEMBLING THE UPPER SHAFT AND LOWER SHAFT

- Unpack all parts carefully.
- Loosen the handle lock knob by turning it counter-clockwise (see Fig. A1).
- Align the tab (a) on the upper shaft with the hole (b) on the lower shaft.
- Insert the tab into the hole and make sure the tab is completely locked in place.
- Tighten the handle lock knob by turning it clockwise (see Fig. A2).



A1

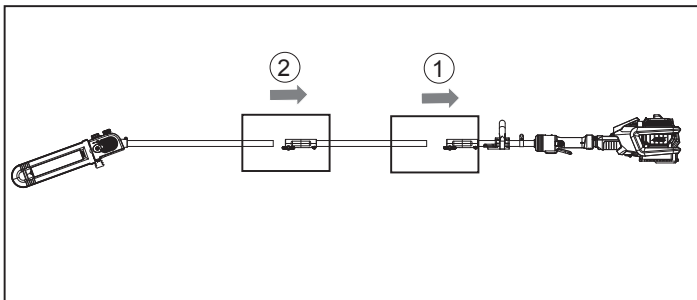


A2

2. ASSEMBLING THE EXTENSION SHAFT TO THE MACHINE

Assemble the extension shaft to the machine when necessary.

Assemble the lower shaft with extension shaft first. Then assemble the extension shaft with upper shaft (see Fig. A3).



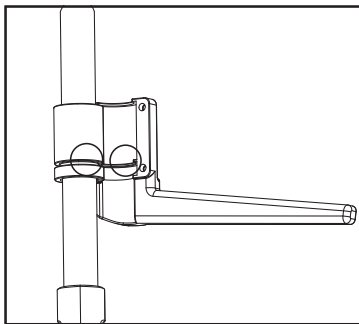
A3

3. ASSEMBLING THE AUXILIARY HANDLE

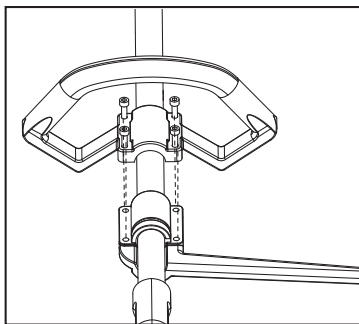
- Loosen and remove the 4 hex bolts for the auxiliary handle. Align the auxiliary handle lower clamp groove with the anti-vibration circle groove on the shaft (see Fig. B1).
- Tighten the auxiliary handle by screwing the 4 hex bolts with the hex key which is stored on the underside of the battery housing (see Fig. B2).



WARNING: Do not install the battery pack before it has been completely assembled. Always use gloves when handling the chain.



B1

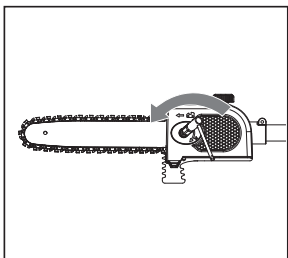


B2

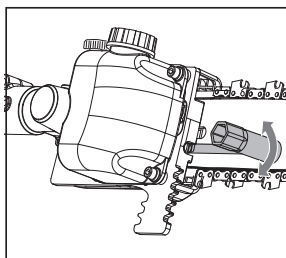
4. TENSIONING CHAIN AND BAR

NOTE: New saw chains will stretch. Check the chain tension frequently during first use, and tighten when the chain becomes loose around the guide bar.

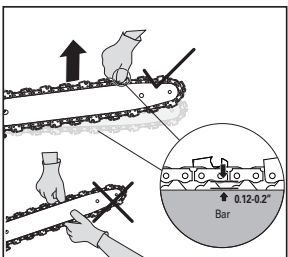
- Place the tool on a solid, level surface.
- Loosen the chain cover lock nut slightly by turning it counter-clockwise with the wrench provided (see Fig. C1).
- Use the wrench provided (screwdriver part) to tighten the chain by turning the wrench clockwise, or loosen the chain by turning it counter-clockwise. The correct chain tension is reached when the chain can be raised approx. 0.12-0.2" (3-5 mm) from the guide bar in the centre (see Fig. C2, C3).
- Tighten the chain cover lock nut tightly by turning it clockwise (see Fig. C4).



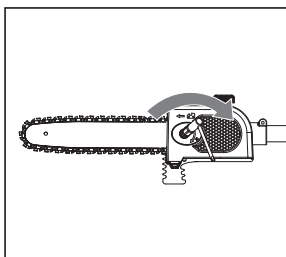
C1



C2



C3



C4

**WARNING:**

- Remove the battery pack before adjusting saw chain tension.
- Cutting edges on chain are sharp. Use protective gloves when handling chain.
- Maintain proper chain tension always. A loose chain will increase the risk of kickback. A loose chain may jump out of guide bar groove. This may injure operator and damage chain. A loose chain will cause chain, bar, and sprocket to wear rapidly.

5. LUBRICATION

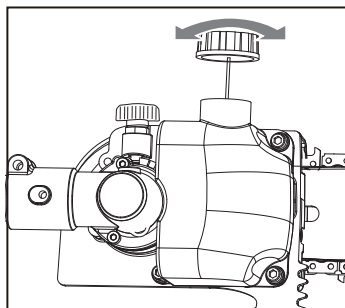
NOTE: Chain life and cutting capacity depend on optimum lubrication. Therefore, the chain is automatically oiled during operation.

- Set pole saw on any suitable surface with oil filler cap facing upward.
- Clean area around the oil filler cap with a cloth, and unscrew the cap by turning it counter-clockwise (see Fig. D).
- Add chain oil until tank is full.
- Avoid dirt or debris entering oil tank. Refit oil filler cap and tighten by turning clockwise until hand-tight.

It is important to use only the recommended bar and chain oil to avoid damage to the pole saw. Never use recycled/old oil. Use of non-approved oil will void the warranty. Do not swallow. If swallowed, call a physician immediately. Keep out of reach of children. Store away from heat or open flame.

Checking the Automatic Oiler

Proper functioning of the automatic oiler can be checked by running the pole saw and pointing the tip of the chain guide bar towards a piece of cardboard or paper on the ground. If an increasing oil pattern develops on the cardboard, the automatic oiler is operating fine. If there is no oil pattern, despite a full oil reservoir, contact a CTC customer service agent or a CTC-approved service agent.

**D**



Important: The tool is not filled with oil. It is essential to fill with oil before use. Never operate the tool without chain oil or at an empty oil tank level, as this will result in extensive damage to the product.



Filling oil tank:

WARNING: Remove the battery pack before filling the oil tank.



Important: To allow proper ventilation of the oil tank, small breather channels are provided between the oil filler cap and the strainer to prevent leakage. Ensure machine is left in a horizontal position when not in use.



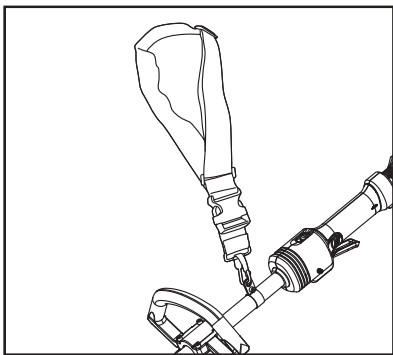
Caution: Do not touch the ground with the chain. Ensure safety clearance of 12" (30 cm).

6. ATTACHING THE SHOULDER STRAP

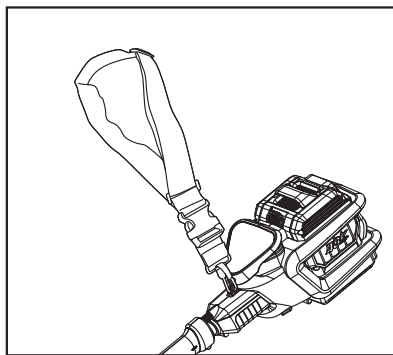
NOTE: There are two fixing positions for your shoulder strap. Attach the shoulder strap into one of the fixing positions before operation according to your requirement.

Secure the shoulder strap hook of the shoulder strap to the eyelet on the shaft (see Fig. E1) or the battery housing (see Fig. E2).

It is recommended to always attach the shoulder strap when using the tool.



E1



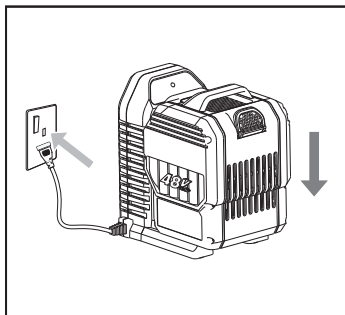
E2

BEFORE OPERATION**1. CHARGING YOUR BATTERY PACK****NOTE:**

- a) The battery in your new tool is not charged when it leaves the plant; therefore, it must be fully charged before using the first time.
- b) If the battery pack is very hot, remove the battery from the charger and allow it to cool to ambient temperature before attempting to recharge.
- c) To prevent damage to the battery pack, please charge the battery to full or no less than half charge before storage.
- d) If the tool will not be used for long periods of time, charge the battery pack every 3 – 6 months.

CHARGING PROCEDURE (SEE FIG. F1)

- 1) Plug the charger into an appropriate outlet.
- 2) Slide the battery pack into the charger firmly. Make sure the battery is in the correct charge position. The light will begin flashing green to indicate the charging process has started.
- 3) When charging is completed, the light will become solid green.
- 4) When fully charged, unplug the charger and remove the battery pack.

**F1**













WARNING! The charger and battery pack are specially designed to work together—do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections because an electrical failure and hazard will occur.



WARNING: When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the battery to cool down before re-charging to achieve the full charge.

CHARGING INDICATOR

This charger is designed to detect some problems that can arise with battery packs. Indicator lights indicate problems (see table below).

Light	ON/ Flash	Status
Red on  		Defective battery.
Red flash  		Battery Temperature Protection. The temperature of battery pack is less than 32°F (0°C) or more than 104°F (40°C).
Green on  		Fully charged.
Green flash  		Charging.

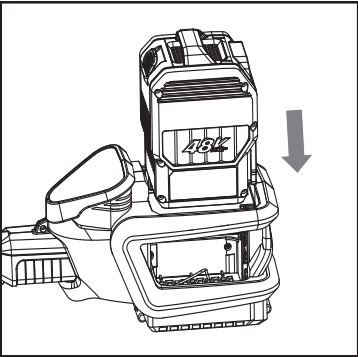
2. TO REMOVE OR INSTALL BATTERY PACK

1) INSTALLING (SEE FIG. F2)

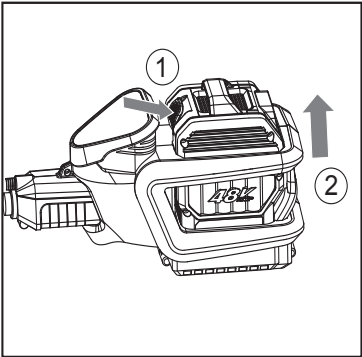
Place the fully charged battery pack into the tool until it clicks into position.

2) REMOVING (SEE FIG. F3)

Depress the battery pack release button firmly first and then lift the battery pack up to remove from your tool.



F2

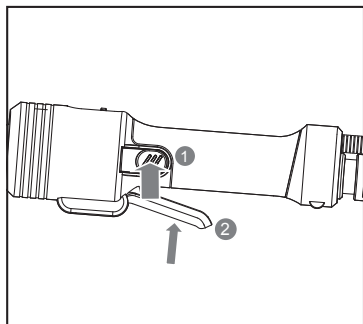


F3

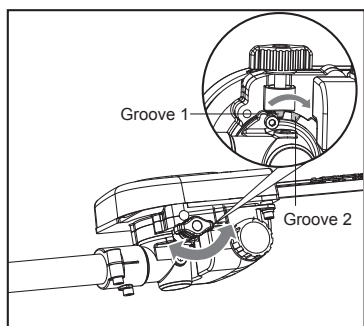
3. SWITCHING ON AND OFF

To switch on, press the lock off button first, then the on/off switch (see Fig. G).

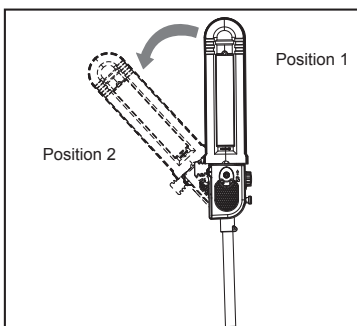
To switch off, release the on/off switch.



G



H1



H2

4. ADJUSTING THE HEAD ANGLE

You can adjust the pole saw head angle (2 positions) according to your needs.

- Turn the rotation knob counter-clockwise until it leaves the groove position (see Fig. H1).
- Rotate the pole saw head to the desired position (see Fig. H2).
- Tighten the rotation knob by turning it clockwise until it locks the pole saw head into the desired groove position.



WARNING: The battery pack will be too cold to be used if it has been left in the environment with too low temperature (less than -4°F (-20°C)) for a long time. The battery pack needs to be warmed up before use.

5. CUTTING

- (1) Install the battery pack into the machine.
- (2) Use both hands to grip saw. Always use left hand to grip front handle and right hand to grip rear handle. Use a firm grip. Thumbs and fingers must wrap around saw handles.
- (3) Make sure your footing is firm. Keep feet shoulder-width apart. Distribute your weight evenly on both feet (see Fig. I).
- (4) When ready to make a cut, push the lock off button completely in with the right thumb and squeeze the trigger. This will turn saw on. Releasing the trigger will turn the saw off. Make sure the saw is running at full speed before starting a cut.
- (5) Guide the saw using light pressure and do not put excessive force on the saw, letting the saw do its work. Excessive force can cause the motor to overload and burn out. It will do the job better and safer at the rate for which it was intended.
- (6) Remove the saw from a cut with the saw running at full speed. Stop the saw by releasing the on/off switch. Make sure the chain has stopped before setting the saw down.



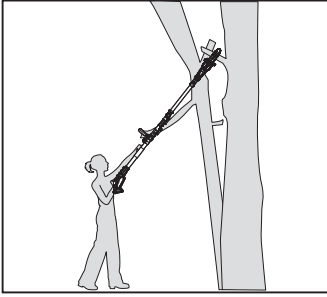
WARNING! Make sure section of log to be cut is not lying on the ground. This will keep the chain from touching the ground as it cuts through the log. Touching the ground while the chain is moving is dangerous and will dull the chain.



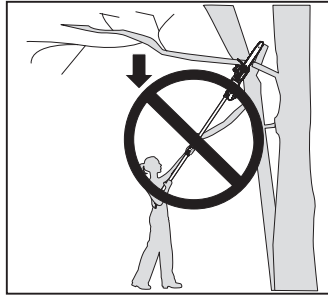
WARNING! Is the oil tank filled? Check the oil level prior to starting and regularly during operation. Refill oil when oil level is low. Check recent replaced chain tension about every 10 minutes during operation.



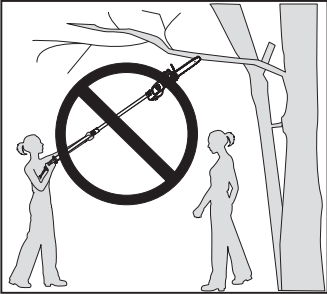
WARNING! Do not stand directly below a branch being cut. Keep bystanders far away. Do not stand on a ladder or other type of unstable support while using the tool. Do not use the tool near cable, electrical power or telephone lines. Keep 10' (3 m) away from all power lines (see Fig. J1-J4).



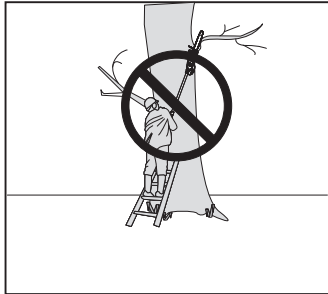
I



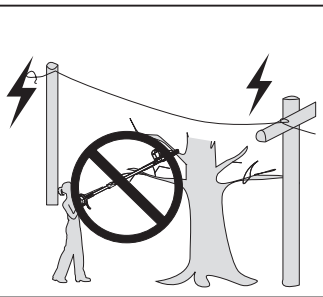
J1



J2



J3

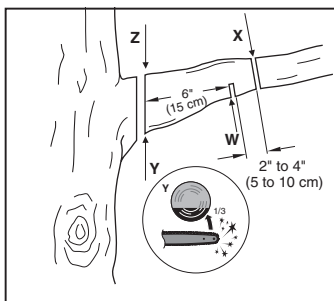


J4

6. TRIMMING A TREE (PRUNING)

Trimming a tree is the process of cutting limbs from a living tree. Make sure your footing is firm. Keep feet apart. Divide your weight evenly on both feet. Follow directions below to trim a tree.

- (1) Make first cut 6" (15 cm) from tree trunk on underside of limb. Use top of guide bar to make this cut. Cut 1/3 through diameter of limb (see Fig. K).
- (2) Move 2 to 4" (5 to 10 cm) farther out on limb. Make second cut from above limb. Continue cut until you cut limb off.
- (3) Make third cut as close to tree trunk as possible on underside of limb stub. Use top of guide bar to make this cut. Cut 1/3 through diameter of stub.
- (4) Make fourth cut directly above third cut. Cut down to meet third cut. This will remove limb stub.

**K**

WARNING! Avoid kickback. Kickback can result in severe injury or death. See Kickback, to avoid risk of kickback.



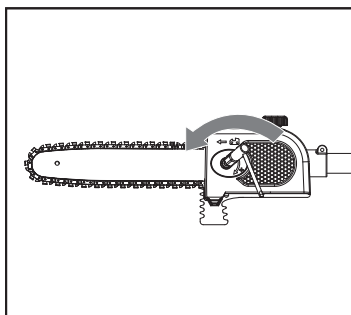
WARNING! Do not operate Pole Saw while

- in a tree
- on a ladder or any other unstable surface
- in any awkward position.

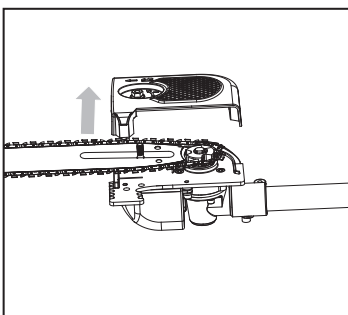
You may lose control of pole saw causing severe injury.

1. REPLACING THE CHAIN AND GUIDE BAR

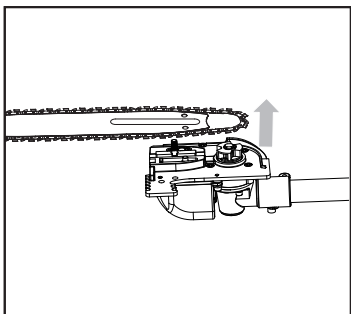
- Place the tool on a solid, level surface.
- Loosen the chain cover lock nut by turning it counter-clockwise with the wrench provided and take off the chain cover (see Fig. L1, L2).
- Remove the old bar and chain to expose the bar pad (see Fig. L3, L4).
- Assemble the new bar and chain. Slide the chain in the slot around the guide bar. Ensure the chain is in correct running direction by comparing it to the chain icon on the bar pad (see Fig. L5).
- Fit the chain onto the drive sprocket. Ensure the bar tensioning bolt is correctly located into the bottom bar hole (see Fig. L6).



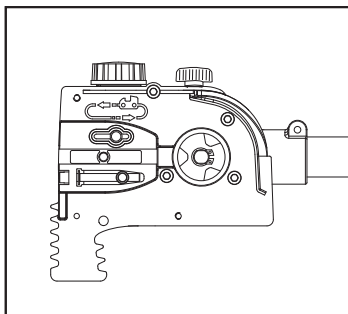
L1



L2



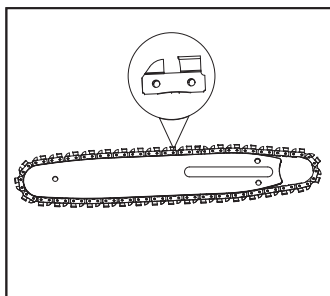
L3



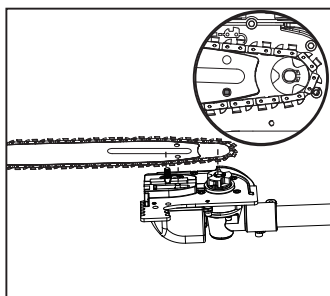
L4

- Ensure all parts are seated properly. Make sure the drive links are fully seated in the drive sprocket (see Fig. L7), avoid placing the chain in the inverse direction. If kink occurs, pick up the chain at the guide bar just ahead of the kink and then pull the kink out (see Fig. L8).

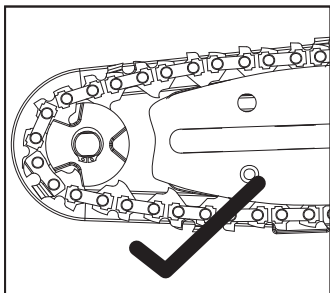
NOTE: Chain should rotate freely and be free of kinks.



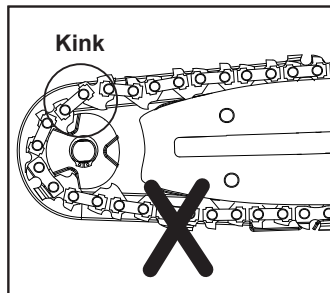
L5



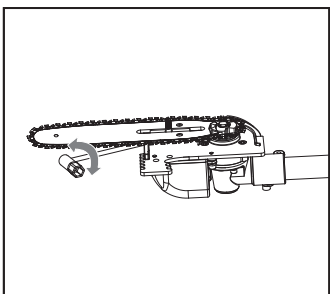
L6



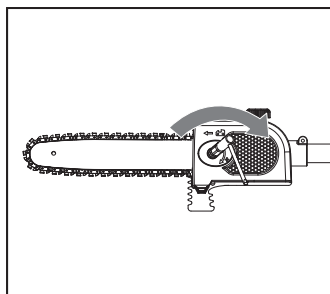
L7



L8



L9



L10

- f. Use the wrench provided (screwdriver part) to tighten the chain to a suitable tension by turning the wrench clockwise (see Fig. L9). Fit the chain cover and tighten the chain cover by turning the chain cover lock nut clockwise until it is tight (see Fig. L10).
- g. Check the chain tension: The correct chain tension is reached when the chain can be raised approx. 0.12-0.2" (3-5 mm) from the guide bar in the centre (using a small amount of force). This should be done by using one hand to raise the chain against the weight of the machine. Do not tension the chain too much.
- h. If the chain is still loose or too tight, loosen the chain cover, and then use the wrench to adjust the chain slightly. Tighten the chain cover again.

2. SAW MAINTENANCE

Follow maintenance instructions in this manual. Proper cleaning of saw and chain and guide bar maintenance can reduce chances of kickback. Inspect and maintain saw after each use. This will increase the service life of your saw.

3. BAR MAINTENANCE

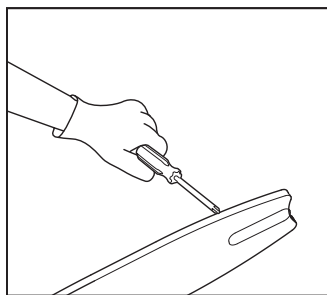
To maximize bar life, the following bar maintenance is recommended.

The bar rails that carry the chain should be cleaned before storing the tool or if the bar or chain appears to be dirty.

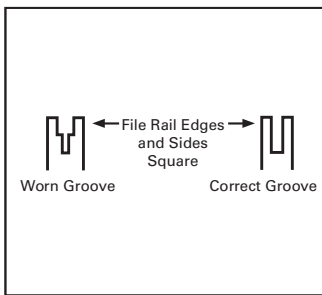
The rails should be cleaned every time the chain is removed.

To Clean the Bar Rails

1. Remove chain cover and bar and chain. (See section “REPLACING THE CHAIN AND GUIDE BAR”.)
2. Using a wire brush, screwdriver or similar tool, clear the residue from the inner groove of the bar (see Fig. M).
3. Make sure to clean oil passages thoroughly.



M



N

Conditions which require chain and guide bar maintenance:

- Saw cuts to one side or at an angle.
- Saw has to be forced through the cut.
- Inadequate supply of oil to the bar and chain.

Check the condition of the guide bar each time the chain is sharpened. A worn guide bar will damage the chain and make cutting difficult.

After each use, remove the battery pack, and clean all sawdust from the guide bar and sprocket hole.

When rail top is uneven, use a flat file to restore square edges and sides (see Fig. N).

NOTE: Even with proper sharpening, risk of kickback can increase with each sharpening.

Replace the guide bar when the groove is worn, the guide bar is bent or cracked, or when excessive heating or burring of the rails occurs. If replacement is necessary, use only the guide bar specified for your saw in the repair parts list or on the decal located on the pole saw.

Replacing Bar and Chain

Replace chain when cutters are too worn to sharpen or when chain stops. Only use replacement chain noted in this manual.

Inspect guide bar before sharpening chain. A worn or damaged guide bar is unsafe. A worn or damaged guide bar will damage chain. It will also make cutting harder.

Sharpening the Saw Chain

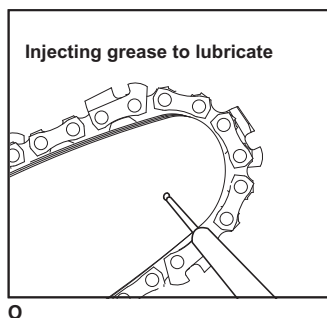
Cutting edges on chain are sharp. Use protective gloves when handling chain.

Keep chain sharp. Your saw will cut faster and more safely. A dull chain will cause undue sprocket, guide bar, chain, and motor wear. If you must force chain into wood, and cutting creates only sawdust with few large chips, the chain is dull.

NOTE:

It is not necessary to remove the chain or bar when lubricating the guide bar sprocket.

1. Clean the bar and sprocket.
2. Using a grease gun, insert the tip of the gun into the lubrication hole and inject grease until it appears at the outside edge of the sprocket tip (see Fig. O).
3. To rotate the sprocket, pull the chain by hand until the ungreased side of the sprocket is in line with the grease hole. Repeat the lubrication procedure.



WARNING! Remove the battery pack before servicing. Severe injury or death could occur from electric shock or body contact with moving chain.



WARNING: Wear heavy-duty gloves when performing any maintenance or service to this tool.

Always remove the battery pack before performing any service or maintenance on this tool.

Remove the battery pack. Disassemble the pole saw by removing the bar and the chain. Store the pole saw, the battery pack and the accessories indoors in a cool, dry, clean place which is protected from the effects of weather and temperature and is out of the reach of children and animals.

MAINTENANCE AND STORAGE OF THE POLE SAW

1. Remove the battery pack
 - When not in use,
 - Before moving from one place to another,
 - Before servicing,
 - Before changing accessories or attachments, such as saw chain and guard.
2. Inspect pole saw before and after each use. Check saw closely if guard or other part has been damaged. Check for any damage that may affect operator safety or operation of saw. Check for alignment or binding of moving parts. Check for broken or damaged parts. Do not use pole saw if damage affects safety or operation. Have damage repaired by authorized service centre.
3. Maintain pole saw.
 - Never expose saw to rain or direct moisture,
 - Keep chain sharp, clean, and lubricated for better and safer performance,
 - Follow steps outlined in this manual to sharpen chain,
 - Keep handles dry, clean, and free of oil and grease,
 - Keep all screws and nuts tight.
4. When servicing, use only identical replacement parts.
5. When not in use, always store pole saw
 - In a high or locked place, out of children's reach,
 - In a dry place,
 - With bar and chain cover in place.
6. It is recommended that the battery be stored indoors for the winter months.

For Battery and Charger

The ambient temperature range for the use and storage of the charger and battery is 32 to 113°F (0 to 45°C).

The recommended ambient temperature range for the charging system during charging is 32 to 104°F (0 to 40°C).

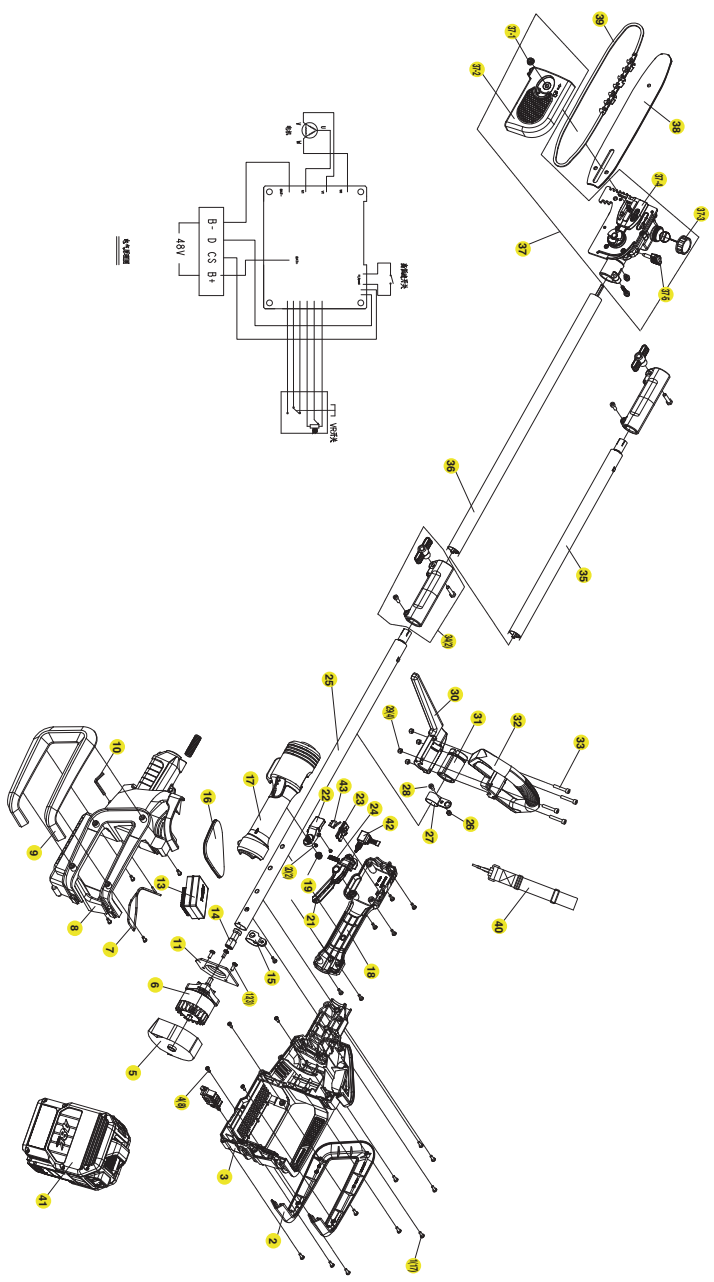
It is recommended that the battery be stored indoors for the winter months.

The following table gives checks and actions that you can perform if your machine does not operate correctly. If these do not identify/remedy the problem, contact your service agent at 1-866-523-5218.

Symptom	Possible Cause	Remedy
Pole saw fails to operate.	Out of battery. Fuse faulty.	Charge the battery pack. Replace fuse.
Pole saw operates intermittently.	Over-heating. Applying too much pressure while cutting Poor connection between the upper shaft and lower shaft. Loose connection. Internal wiring defective. On/Off switch defective.	Place the machine in a cool, ventilated place to cool it down. Applying relatively less pressure while cutting. Reassemble the upper shaft and lower shaft according to the description in ASSEMBLY section. Contact Yardworks® at 1-866-523-5218. Contact Yardworks® at 1-866-523-5218. Contact Yardworks® at 1-866-523-5218.
Dry chain.	No oil in reservoir. Vent in oil filler cap clogged. Oil passage clogged.	Refill oil. Clean cap. Clean oil passage outlet.
Brake does not stop chain.	Run-down kickback brake.	Contact Yardworks® at 1-866-523-5218.
Chain/chain bar over-heats.	No oil in reservoir. Vent in oil filler cap clogged. Oil passage clogged. Chain is over tensioned. Dull chain.	Refill oil. Clean cap. Clean oil passage outlet. Adjust chain tension. Sharpen chain or replace.
Pole saw rips, vibrates, does not saw properly.	Chain tension too loose. Dull chain. Chain worn out. Chain teeth are facing in the wrong direction.	Adjust chain tension. Sharpen chain or replace. Replace chain. Reassemble with chain in correct direction.



WARNING: Switch off and remove the battery pack before investigating fault.



Exploded View

NO.	Part Description	Quantity
1	Screw	17
2	Right Trim Cover	1
3	Right Cover	1
4	Screw	8
5	Wind Deflector	1
6	Motor	1
7	Spring	1
8	Left Cover	1
9	Left Trim Cover	1
10	Inner Hexagon Spanner	1
11	Motor Bracket	1
12	Screw	3
13	Control Panel	1
14	Shaft Joint	1
15	Ferrule	1
16	Decorative Cover	1
17	Left Handle	1
18	Right Handle	1
19	Spring	1
20	Screw	2
21	Trigger	1
22	Bumper	1
23	Push Button	1
24	Spring	1
25	Rear Aluminum Tube	1
26	Nut	1
27	Harness Ring	1
28	Screw	1
29	Nut	4
30	Lower Handle	1
31	Damping Ring	1
32	Upper Handle	1
33	Screw	4
34	Connecting Pipe	2
35	Aluminum Tube	1
36	Aluminum Tube	1
37	Chain Saw Head	1
37-1	Nut	1
37-2	Chain Cover	1
37-3	Oil Pot Lid	1
37-4	Chain Saw Head Main Body	1
37-5	Knob	1
38	Guide Plate	1
39	Chain	1
40	Shoulder Girdle	1
41	Battery Pack	1
42	Switch	1
43	Switch	1

FIVE-YEAR LIMITED WARRANTY

For five (5) years from the date of purchase within Canada, YARDWORKS CANADA will, at its option, repair or replace for the original purchaser, free of charge, any part or parts found to be defective in material or workmanship (excludes battery).

For THREE (3) years from the date of purchase within Canada, YARDWORKS CANADA will, at its option, repair or replace for the original purchaser, free of charge, any battery found to be defective in material or workmanship.

THIS WARRANTY DOES NOT COVER

1. Any part that has become inoperative due to misuse, commercial use, abuse, neglect, accident, improper maintenance, or alteration;
2. The unit, if it has not been operated and/or maintained in accordance with the owner's manual;
3. Normal wear, except as noted below;
4. Routine maintenance items such as lubricants, blade sharpening; or
5. Normal deterioration of the exterior finish due to use or exposure.

FULL ONE YEAR (365) DAYS WARRANTY ON NORMAL WEAR PARTS

Normal wear parts are defined as blade adaptors, blades, grass bags and tires. These parts are warranted to the original purchaser to be free from defects in material and workmanship for a period of three hundred and sixty-five (365) days from the date of retail purchase.

Made in China. Imported by Yardworks Canada
Toronto, Canada M4S 2B8

HOW TO OBTAIN SERVICE

Warranty service is available by calling the toll-free helpline at 1.866.523.5218. The factory will not accept the return of a complete unit unless prior written permission has been extended by YARDWORKS CANADA.

TRANSPORTATION CHARGES

Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. The purchaser must pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by YARDWORKS CANADA.

OTHER WARRANTIES

All other warranties, express or implied, including any implied warranty of merchantability is limited in its duration to that set forth in this express limited warranty. The provisions as set forth in this warranty provide the sole and exclusive remedy of YARDWORKS® CANADA obligations arising from the sale of its products.



Always remove or disconnect the battery pack before adjusting, cleaning, servicing or transporting your appliance.

FCC Part 15

Supplier's Declaration of Conformity

Product Description: Charger

Model Number: 060-1990-2

Trade Name: YARDWORKS®

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

Positec USA, Inc.

PO Box 681298, Charlotte, NC 28216

Tel: 1.866.523.5218

Fax: (704) 599-6390