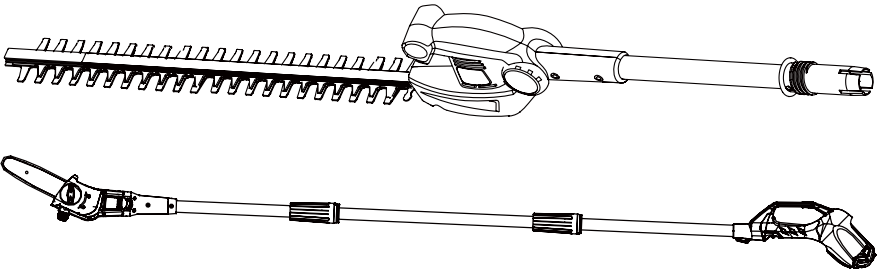


40V CORDLESS POLE SAW AND HEDGE TRIMMER PSPH40B00



Owner's Manual

TOLL-FREE HELPLINE: 1-888-90WORKS (888.909.6757)
www.GreenWorksTools.com

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

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PRODUCT SPECIFICATIONS

POLE SAW

Input Voltage.....	40 V DC
No-load Chain Speed	9.9 ±10% m/s
Max Cutting Length	8"
Chain Oil Tank Capacity	50 ml
Chain Type	91PJ033X
Guide Bar Type	080NDEA318
Weight (without battery)	8.38 lbs (3.8 kg)

POLE HEDGE TRIMMER

Input Voltage.....	40 V DC
No-Load Speed.....	2,800 SPM
Blade Length	18"
Cutting Capacity	3/4"
Weight (without battery)	9.57 lbs (4.34 kg)

IMPORTANT SAFETY INSTRUCTIONS

⚠ 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 all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. WORK AREA SAFETY

- **Keep your work area clean and well lit.** Cluttered or dark areas invite accidents.
- **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.
- **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

2. ELECTRICAL SAFETY

- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.**

3. PERSONAL SAFETY

- **Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **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.
- **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 energising power tools that have the switch on invites accidents.
- **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.
- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enable better control of the tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust-

IMPORTANT SAFETY INSTRUCTIONS

related hazards.

4. POWER TOOL USE AND CARE

- **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.
- **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.
- **Disconnect 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.
- **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.
- **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poor maintenance.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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.

5. BATTERY TOOL USE AND CARE

- **Ensure the switch is in the off position before inserting battery pack.** Inserting the battery pack into power tools that have the switch on invites accidents.
- **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 power tools only with specifically designated battery packs.** Use of other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from the 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 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.

6. SERVICE

- **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.

IMPORTANT SAFETY INSTRUCTIONS

POLE HEDGE TRIMMER SAFETY WARNINGS

- **Keep all parts of the body away from the cutting blade. Do not remove cut material or hold material to be cut when blades are moving. Make sure the switch is off and the battery has been removed when clearing jammed material. Blades coast for a short time after the tool has been turned off.** A moment of inattention while operating the hedge trimmer may result in serious personal injury.
- **Carry the hedge trimmer by the handle with the cutting blade stopped.** Proper handling of the hedge trimmer will reduce possible personal injury from the cutting blades.
- **Hold the power tool by insulated gripping surfaces only, because the cutting blade may contact hidden wiring or its own cord.** Cutting blades contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.
- **Use both hands when operating the hedge trimmer.** Using one hand could cause loss of control and result in serious personal injury.
- **Before starting the hedge trimmer, make sure the blade is not in contact with any object.**
- **Stop the unit, remove the battery pack, and make sure the blade has stopped before setting the unit down.**
- **Always stop the motor when cutting is delayed or when walking from one cutting location to another.**
- **Keep unit clean of grass clippings and other materials.** They may become lodged in the cutting blades.
- **Store the unit inside in a dry place, either locked up or up high to prevent unauthorized use or damage. Keep out of the reach of children or untrained individuals.**
- **Keep hands away from blade.**
- **Replace blade cover when unit is not in use.**
- **Never douse or squirt the unit with water or any other liquid.** Keep handles dry, clean, and free from debris. Clean after each use; see storage instructions.
- **Secure the unit while transporting.**
- **Battery operated units do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards even when unit is not operating.**
- **When transporting or storing the hedge trimmer always fit the cutting device cover.**
- **Only use with handle and guard properly assembled to hedge trimmer.** The use of the hedge trimmer without the proper guard or handle provided may result in serious personal injury.
- **Keep cable away from cutting area.** During operation the cable may be hidden in shrubs and can be accidentally cut by the blade.

POLE SAW SAFETY WARNINGS

- **Kickback is a dangerous reaction that can lead to serious injury. Kickback may occur when the moving chain contacts an object at the upper portion of the tip of the guide bar or when the wood closes in and pinches the chain in the cut. Contact at the upper**

IMPORTANT SAFETY INSTRUCTIONS

portion of the tip of the guide bar can cause the chain to dig into the object and stop the chain for an instant. The result is a lightning-fast, reverse reaction which kicks the guide bar up and back toward the operator. If the chain is pinched along the top of the guide bar, the guide bar can be driven rapidly back toward the operator, which can cause loss of control and may result in serious injury. Do not rely exclusively upon the safety devices built into the product. With a basic understanding of kickback, you can reduce or eliminate the element of surprise. Sudden surprise contributes to accidents.

- **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.
- **Use pole saw for cutting wood only. Do not use for cutting non-wood items.**
- **Make sure that the area in which you are cutting is free from obstructions.** Do not let the nose of the guide bar contact a log, branch, fence, or any other obstruction while you are operating the unit. Have a planned retreat path.
- **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.
- **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.
- **Do not grasp the exposed cutting blades or cutting edges when picking up or holding the product.**
- **To protect yourself from electrocution, do not operate within 50 feet of overhead electrical lines.**
- **Before starting the motor, make sure the chain is not contacting any object.**
- **To protect yourself from falling branches, do not stand directly under the branch or limb being cut. This unit should not be held at an angle over 60° from ground level.**
- **Turn off the motor and make sure cutting attachment has stopped before setting unit down.**

IMPORTANT SAFETY INSTRUCTIONS

- **Do not operate the saw with one hand! Serious injury to the operator, helpers, bystanders, or any combination of these persons may result from one hand operation.** This saw is intended for two-handed use.
- **Use extreme caution when cutting small-sized brush and saplings because slender material may catch the saw chain and be whipped toward you or pull you off balance.**
- **When cutting a limb that is under tension, be alert for spring back so that you will not be struck when the tension in the wood fibers is released.**
- **To avoid accidental starting, never carry plugged-in product with finger on switch. Be sure switch is off when plugging in.**
- **Maintain product 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. Inspect cord periodically and, if damaged, have it repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.

⚠ W A R N I N G (PROPOSITION 65)

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:













- Lead from lead-based paints
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically treated lumber.

Your risk of exposure to these chemicals varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

SAVE THESE INSTRUCTIONS




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
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
~	Alternating Current	Type of current
≡	Direct Current	Type or a characteristic of current
	Class II Construction	Double-insulated construction
	Read The Operator's Manual	To reduce the risk of injury user must read and understand operator's manual before using this product.
	Safety Alert	Precautions that involve your safety.
	Sharp Blade	Keep hands away from sharp, moving blades.
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Wear eye protection and ear protection	Wear eye protection with side shields that are marked to comply with ANSI Z87.1 when operating this equipment, as well as hearing protection.
	Wear Head Protection	Wear an approved safety hard hat to protect your head.
	Gloves	Wear non-slip, heavy-duty protective gloves when handling the pole saw and the blade.
	Safety Footwear	Wear non-slip safety footwear when using this equipment.
	Ricochet	Thrown objects can ricochet and result in personal injury or property damage.
	Keep Tool Away from Electrical Lines/Keep Bystanders Away	DANGER! Risk of electrocution! Keep tool 50 feet away from electrical lines. Keep all bystanders at least 50 ft. away.
	Electrocution hazard	Keep at least 10 m away from overhead lines.

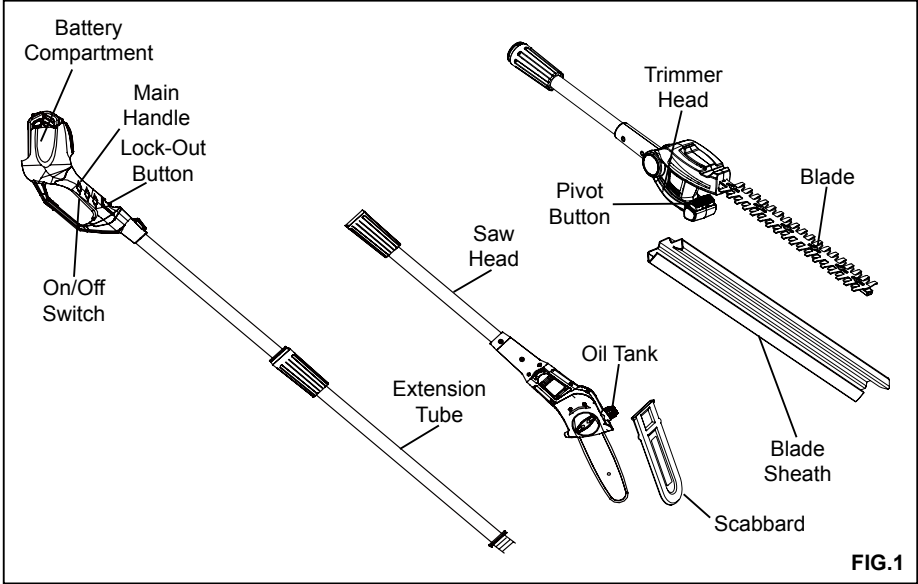
SYMBOLS

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

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

KNOW YOUR POLE SAW AND HEDGE TRIMMER

The safe use of this product requires an understanding of the information on the product and in this operator's manual as well as a knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.



⚠ WARNING

If any parts are damaged or missing, do not operate this product until the parts are replaced. Using a product with damaged or missing parts could result in serious personal injury.

⚠ 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.

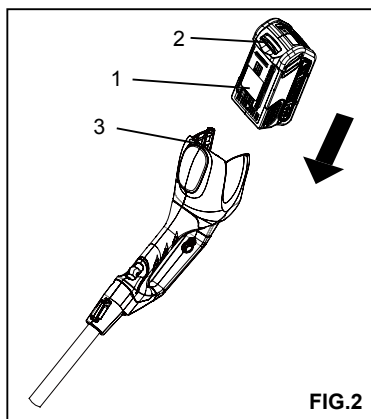
ASSEMBLY

⚠ WARNING

Before assembly, remove the battery from the tool.

FITTING AND REMOVING THE BATTERY (FIG.2)

- To insert the battery (1), line it up with the battery compartment (3) on the tool. Slide the battery into the battery compartment and push until the battery snaps into place.
- To remove the battery, push the release button (2) while at the same time pulling the battery out of the battery compartment.



⚠ WARNING

To prevent accidental operation, ensure that the battery is removed and that the scabbard is in place on the saw chain before performing the following operations. Failure to do this could result in serious personal injury.

ADDING BAR AND CHAIN LUBRICANT (FIG.3)

Use a bar and chain lubricant (not included) with this product. It is designed for chains and chain oilers, and is formulated to perform over a wide temperature range with no dilution required.

- Remove oil cap.
- Carefully pour the bar and chain oil into the tank.
- Wipe off excess oil. Replace oil cap.
- Check and fill the oil tank when quick view oil indicator is below the second to last indicator line.
- Repeat as needed.

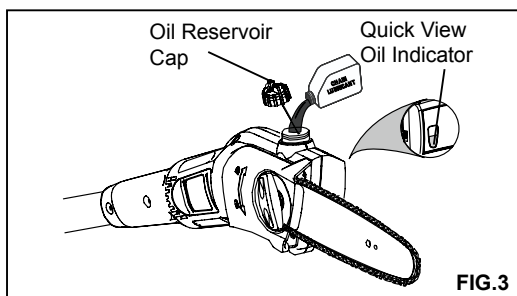
NOTE: This pole saw comes from the factory with no bar and chain oil added. Level should also be checked after every 20 minutes of use and refilled as needed. Do not use dirty, used or

ASSEMBLY

otherwise contaminated oils. Damage may occur to the bar or chain. 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.

WARNING

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

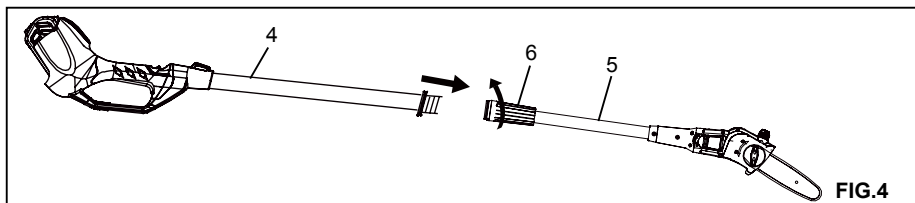


POLE SAW

FITTING THE SAW HEAD (FIG.4)

The saw head can be fitted directly to the handle in order to achieve standard reach.

- Align the groove on the outside of the coupling end of the handle (4) with the tongue on the inside of the coupling end of the saw head (5). Push the saw head (5) onto the handle (4).
- Slide the collar (6) upwards and rotate it counterclockwise until it is fully tightened.



EXTENDING THE SAW HEAD (FIG.5)

The maximum reach can be achieved by fitting the extension tube (9) between the saw head (8) and the handle (7).

- Align the groove on the outside of the coupling end of the handle (7) with the tongue on the inside of the coupling end of the extension tube (9).
- Push the extension tube (9) onto the handle (7).
- Slide the collar upwards and rotate it counterclockwise until it is fully tightened.

ASSEMBLY

- Align the groove on the outside of the coupling end of the extension tube (9) with the tongue on the inside of the coupling end of the saw head (8).
- Push the saw head (8) onto the extension tube (9).
- Slide the collar upwards and rotate it counterclockwise until it is fully tightened.

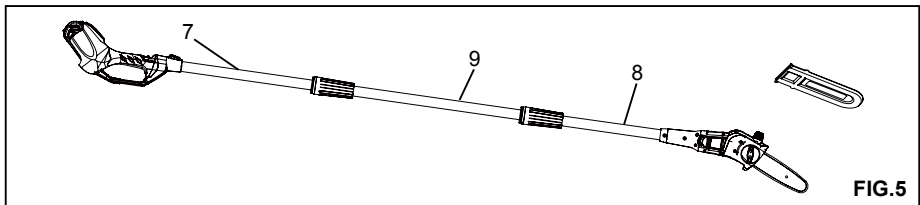
⚠ WARNING

Periodically check the couplers to ensure that they are tightened securely.

REMOVE THE SAW HEAD (FIG.5)

If the extension tube (9) is fitted, the saw head must be removed first.

- To remove the saw head (8), rest the handle (7) on the ground, loosen the collar and take off the saw head.



ASSEMBLY

CHAIN TENSION (FIG.6)

Chains stretch with use, check and tension often. Never tension a warm chain before storing, as chains shrink when cool; this can damage chain, bar and saw.

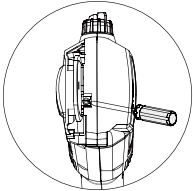
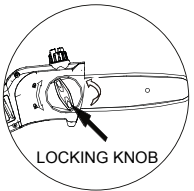
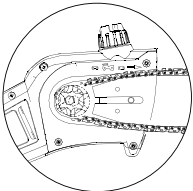
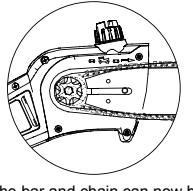
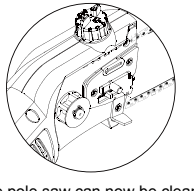
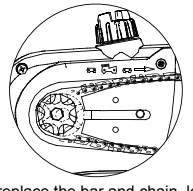
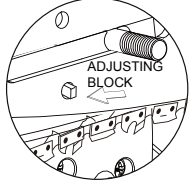
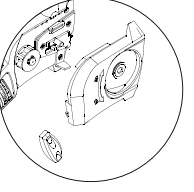
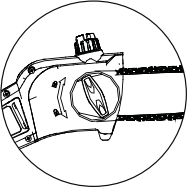
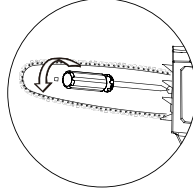
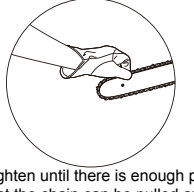
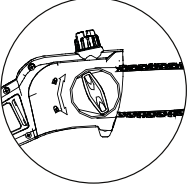
 <p>1. Release chain tension by turning the tensioning screw, located behind the chain bar, counter-clockwise.</p>	 <p>2. Unscrew the locking knob.</p>	 <p>3. Remove the cover.</p>
 <p>4. The bar and chain can now be removed by lifting it away from the main body of the saw and releasing the chain from the sprocket.</p>	 <p>5. The pole saw can now be cleaned with a brush and or rag to remove sawdust and oil.</p>	 <p>6. To replace the bar and chain, loop the chain over the drive pulley and place the bar against the center alignment groove.</p>
 <p>7. Ensure that the adjusting block is located in the tensioning hole on the chain bar.</p>	 <p>8. Until that the rubber block and chain bar are free from oil, as this helps to keep tension on the chain.</p>	 <p>9. Replace the side cover and locking knob, but do not tighten.</p>
 <p>10. Using a screwdriver on the tensioning screw, turn clockwise.</p>	 <p>11. Tighten until there is enough play that the chain can be pulled away from the bar, but not so much that the runners can be pulled out of the bar.</p>	 <p>12. Once you have the correct tension, fully tighten the locking knob.</p>

FIG.6

ASSEMBLY

POLE HEDGE TRIMMER

FITTING THE TRIMMER HEAD (FIG.7)

- Align the arrow on the end of main handle (10) with the arrow on the trimmer head (11).
- Push the trimmer head (11) onto the handle (10).
- Fasten the trimmer head coupler (12).

⚠ WARNING

Periodically check the connections to ensure that they are tightened securely.

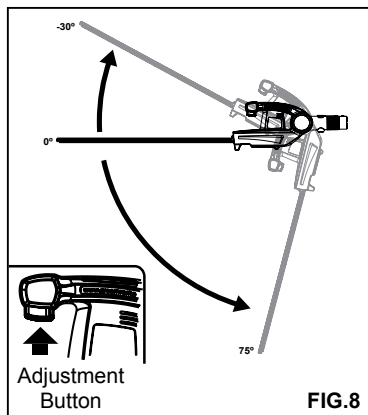
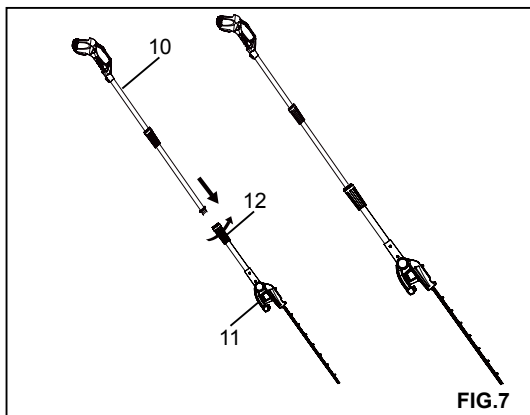
REMOVING THE TRIMMER HEAD (FIG.7)

Rest the handle (10) on the ground, loosen the trimmer head cam lock and push lock button, then take off the trimmer head (11).

ADJUSTING THE TRIMMER HEAD ANGLE (FIG.8)

The trimmer head pivots 105° and can be locked into 7 positions within that range.

- Squeeze the Adjustment Button.
- While squeezing the Adjustment Button, move the head forward or backward.
- Release the Adjustment Button once the trimmer head is in the desired position.



OPERATION

⚠ WARNING

Let the tool work at its own pace. Do not overload.

CHARGING THE BATTERY

The battery needs to be changed before first use and whenever it fails to produce sufficient power on jobs that were easily done before. The battery may become warm while charging; this is normal and does not indicate a problem.

⚠ WARNING

Do not charge the battery at ambient temperatures below 45°F or above 104°F. Recommended charging temperature: approx. 75°F.

NOTE: The charger will not charge a battery if the cell temperature is below approximately 45°F or above 104°F. The battery should be left in the charger and the charger will begin to charge automatically when the cell temperature warms up or cools down.

SWITCH ON AND OFF (FIG.9)

For your safety, this tool is equipped with a double switching system. This system prevents starting the tool inadvertently.

SWITCHING ON

- Pull the lock-off button (14) backward using your thumb and at the same time squeeze the on/off switch (13).
- Release the lock-off button (14).

SWITCHING OFF

- Release the on/off switch (13).

⚠ WARNING

Never attempt to lock a switch in the on position.

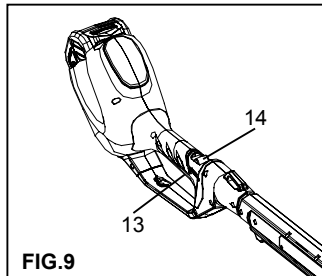


FIG.9

OPERATION

OPERATING THE POLE SAW

PREPARATION FOR CUTTING

- Wear non-slip gloves for maximum grip and protection.
- Maintain a proper grip on the unit whenever the motor is running. Use your right hand to firmly grip the rear handle while your left hand has a firm grip on the pole shaft.
- Hold unit firmly with both hands. Always keep your left hand on the pole shaft and your right hand on the rear handle, so your body is 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.
- Be certain the collars are fully tightened before operating equipment; check them periodically for tightness during use to avoid serious injury.

BASIC CUTTING PROCEDURE (FIG.10&11)

Follow the steps below to prevent damage to tree or shrub bark. Do not use a back-and-forth sawing motion.

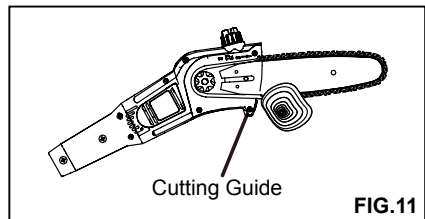
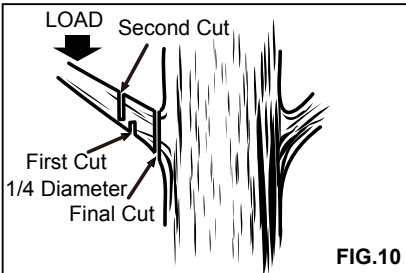
- Make a shallow first cut (1/4 of limb diameter) on the underside of the limb close to the main limb or trunk.
- Make a second cut from the top side of the limb outboard from the first cut. Continue the cut through the limb until the limb separates from the tree. Be prepared to balance the weight of the tool when the limb falls.
- Make a final cut close to trunk.

NOTE: For second and final cuts (from top of limb or branch), hold front cutting guide against the limb being cut. This will help steady the limb and make it easier to cut. Allow chain to cut for you; exert only light downward pressure. If you force the cut, damage to the bar, chain, or motor can result.

- Release the trigger as soon as the cut is completed.

Failure to follow proper cutting procedures will result in the bar and chain binding and becoming pinched or trapped in the limb. If this should happen:

- Stop the motor and disconnect from power supply.
- If the limb can be reached from the ground, lift the limb while holding the saw. This should release the “pinch” and free the saw.
- If the saw is still trapped, call a professional for assistance.

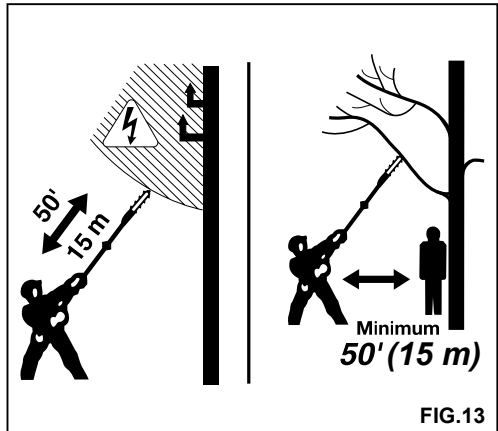
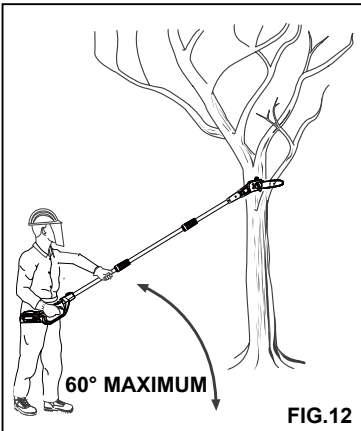


OPERATION

LIMBING AND PRUNING (FIG.12&13)

This unit is designed for trimming small branches and limbs up to 6" (15.2 cm) in diameter. For best results, observe the following precautions.

- Plan the cut carefully. Be aware of the direction in which the branch will fall.
- Branches may fall in unexpected directions. Do not stand directly under the branch being cut.
- The most typical cutting application is to position the unit at an angle of 60° or less, depending on the specific situation, as shown. As the angle of the pole saw shaft to ground increases, the difficulty of making the first cut (from the underside of limb) increases.
- Remove long branches in several stages.
- Cut lower branches first to allow the top branches more room to fall.
- Work slowly, keeping both hands on the saw with a firm grip. Maintain secure footing and balance.
- Keep the tree between you and the chain while limbing. Cut from side of tree opposite branch you are cutting.
- Do not cut from a ladder; this is extremely dangerous. Leave this operation for professionals.
- Do not make the flush cut next to the main limb or trunk until you have cut off the limb further out to reduce the weight. Following proper cutting procedures will prevent stripping the bark from the main member.
- Do not use the pole saw for felling or bucking.
- To prevent electrocution, do not operate within 50' (15 m) of overhead electrical lines.
- Keep bystanders at least 50' (15 m) away.

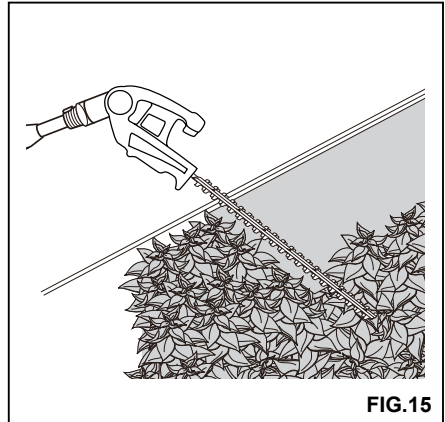
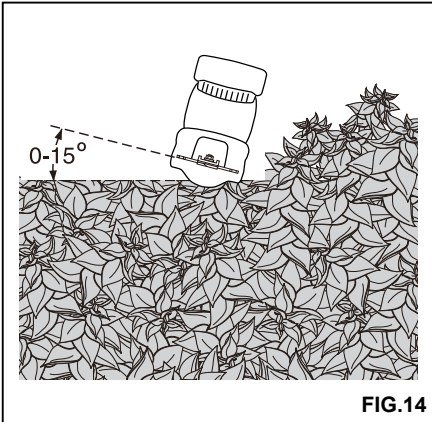


OPERATION

OPERATING THE POLE HEDGE TRIMMER

TIPS FOR OPTIMUM USE

- Start by trimming the top of the hedge. Slightly tilt the tool (up to 15° relative to the line of cut) so that the blade tips point slightly towards the hedge (FIG.14). This will cause the blades to cut more effectively. Hold the tool at the desired angle and move it steadily along the line of cut. The doublesided blade allows you to cut in either direction.
- In order to obtain a very straight cut, stretch a piece of string along the length of the hedge at the desired height. Use the string as a guideline, cutting just above it.
- In order to obtain flat sides, cut upwards with the growth. Younger stems move outwards when the blade cuts downwards, causing shallow patches in the hedge (FIG.15)
- Take care to avoid any foreign objects. Especially avoid hard objects such as metal wire and railings, as these could damage the blades.
- Regularly oil the blades.
- Trim hedges and shrubs with seasonal leaves (new leaves every year) in June and October.
- Trim evergreens in April and August.
- Trim conifers and other fast growing shrubs every six weeks from May until October.
- Trim hedges and shrubs with seasonal leaves (new leaves every year) in December and March.



⚠ WARNING

Keep hands away from blade. Contact with blade will result in serious personal injury.

BATTERY CHARGER

CHARGING PROCEDURE (See Figure 16.)

NOTE: The battery is not shipped fully charged. It is recommended to fully charge before first use to ensure that maximum run time can be achieved. This lithium-ion battery will not develop a memory and may be charged at any time.

1. Plug the charger into an AC power outlet.
2. Insert the battery pack (1) into the charger (2).

This is a diagnostic charger. The Charger LED Lights (3) will illuminate in specific order to communicate the current battery status. They are as follows:

CHARGING PROCEDURE (LED INDICATOR)			
BATTERY IS CHARGING:	● RED	● RED	
FULLY CHARGED:	● RED	● GREEN	
BATTERY IS TOO WARM: (REMOVE FOR APPROX. 30 MINUTES TO ALLOW TO COOL)	● RED	● ORANGE	
NO BATTERY PRESENT	● RED	○ OFF	
DEFECTIVE BATTERY: (REMOVE AND REPLACE WITH NEW BATTERY IF THIS OCCURS)	⋮ ● RED ⋮ BLINKING	⋮ ● RED ⋮ BLINKING	

False Defect Note:
When the battery is inserted into the charger, and the status LED flashes, remove the battery from the charger for 1 minute, then reinsert. If the status LED indicates normal than the battery pack is good. If the status LED is still blinking, remove the battery pack and unplug the charger. Wait 1 minute and plug the charger back in and reinsert the battery pack. If the status LED indicates normal than the battery pack is good. If the status LED is still blinking then the battery pack is defective and needs to be replaced.

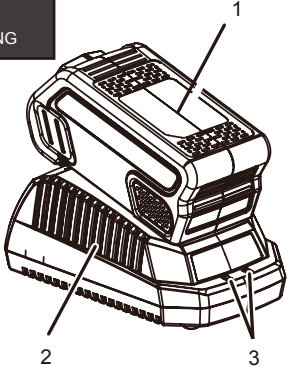


FIG.16

BATTERY CHARGER

CHECKING THE CHARGE

If the battery pack does not charge properly:

- Check the current at the power outlet with another tool . Make sure that the outlet is not turned off.
- Check that the charger contacts have not been shorted by debris or foreign material.
- If the air temperature is above 104°F or below 45°F, move the charger and battery pack to a room temperature location.

⚠ WARNING

If the battery is inserted into the charger when warm or hot, the CHARGING LED indicator light on the charger may switch on and illuminate RED. If this occurs allow the battery to cool inside of the charger for up to 30 minutes. Charging should automatically start once battery has cooled.

CHARGER MOUNTING (See Figure 17.)

1. This charger can be installed hanging on a wall using two screws (not supplied).
2. Locate the placement for the charger to be wall mounted.
3. If fastening to wood studs use 2 wood screws.
4. Drill two holes 2 3/8" (6 cm) on center ensuring they are level.
5. If fastening to drywall use wall anchors and screws to secure the charger to the wall.

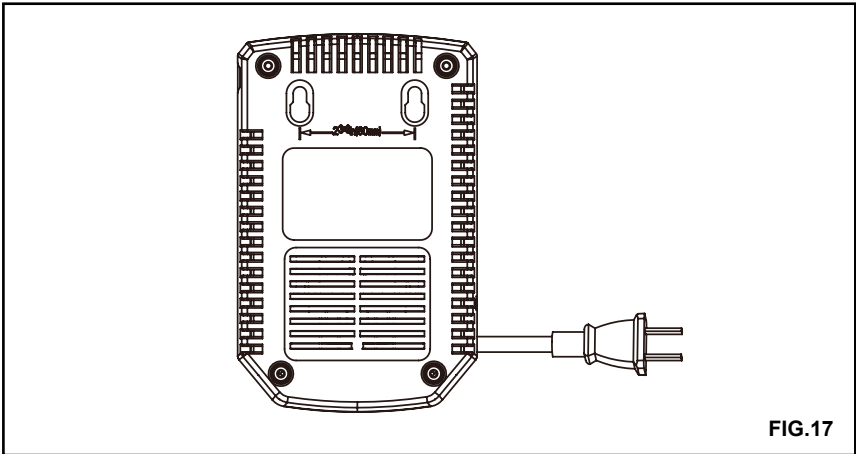


FIG.17

NOTE: If the battery and the charger won't be used for a long time, please remove the battery from the charger and pull out the AC power plug.

MAINTENANCE

CLEANING MAINTENANCE AND STORAGE

Your tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning. Your charger does not require any maintenance apart from regular cleaning.

▲ W A R N I N G

Before performing any maintenance on the tool, remove the battery from the tool. Unplug the charger before cleaning it.

After use and before storage

- After use, carefully clean the blades. After cleaning, apply a film of light machine oil to prevent the blades from rusting.
- Regularly clean the ventilation slots in your tool using a soft brush or dry cloth.
- Regularly clean the motor housing using a damp cloth. Do not use any abrasive or solvent based cleaner.
- Make sure all switches are free of debris before and after use.

STORAGE

When storing or transporting the chain saw, always place the protective cover over the chain saw blade. When the tool will not be used for several months, ideally leave the battery connected to the charger. Otherwise proceed as follows:

- Fully charge the battery.
- Remove the battery from the tool.
- Store the tool and battery in a secure and dry location. The storage temperature must always remain in the range of 50°F to 104°F. Place the battery on a level surface. Before using the tool after prolonged storage, fully charge the battery again.

ENVIRONMENTALLY SAFE BATTERY DISPOSAL

The following toxic and corrosive materials are in the batteries used in this string trimmer battery pack: **Lithium-Ion, a toxic material.**



⚠ WARNING

All toxic materials must be disposed of in a specified manner 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 center, certified for lithium-ion disposal.

⚠ WARNING

If the battery pack cracks or breaks, with or without leaks, do not recharge it and do not use. Dispose of it and replace with a new battery pack. **DO NOT ATTEMPT TO REPAIR IT!** To avoid injury and 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 battery pack components.
 - DO NOT attempt to open the battery pack.
 - If a leak develops, the released electrolytes are corrosive and toxic. DO NOT get the solution in the eyes or on skin, and do not swallow it.
 - DO NOT place these batteries in your regular household trash.
 - DO NOT incinerate.
 - DO NOT place them where they will become part of any waste landfill or municipal solid waste stream.
 - Take them to a certified recycling or disposal centre.
-

TROUBLESHOOTING

POLE HEDGE TRIMMER

PROBLEM	POSSIBLE CAUSE	SOLUTION
Tool will not start	Battery not installed properly	Check the battery installation
	Battery discharged	Fully charge the battery by following the instructions in the charger manual.
	Lock-off button not actuated	Pull back on the lock-off button before engaging the On/Off switch.
	Pole connections not properly tightened	Check the connections

POLE SAW

PROBLEM	POSSIBLE CAUSE	SOLUTION
Bar and chain running hot and smoking.	Check chain tension for overtightened condition. Bar and chain oil reservoir empty.	Tension chain. Refer to Chain Tension earlier in this manual. Check bar and chain oil reservoir.
Motor runs, but chain is not rotating.	Chain tension too tight. Check guide bar and chain assembly. Check guide bar and chain for damage.	Loosen chain. Refer to Chain Tension earlier in this manual. Refer to Replacing the Bar and Chain earlier in this manual. Inspect guide bar and chain for damage.

LIMITED WARRANTY



GREENWORKS™ hereby warrants this product, to the original purchaser with **proof of purchase**, for a period of four (4) years against defects in materials, parts or workmanship. GREENWORKS™, at its own discretion will repair or replace any and all parts found to be defective, through normal use, free of charge to the customer. This warranty is valid only for units which have been used for personal use that have not been hired or rented for industrial/commercial use, and that have been maintained in accordance with the instructions in the owners' manual supplied with the product from new.

ITEMS NOT COVERED BY WARRANTY:

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

GREENWORKS HELPLINE (1 888 90WORKS):

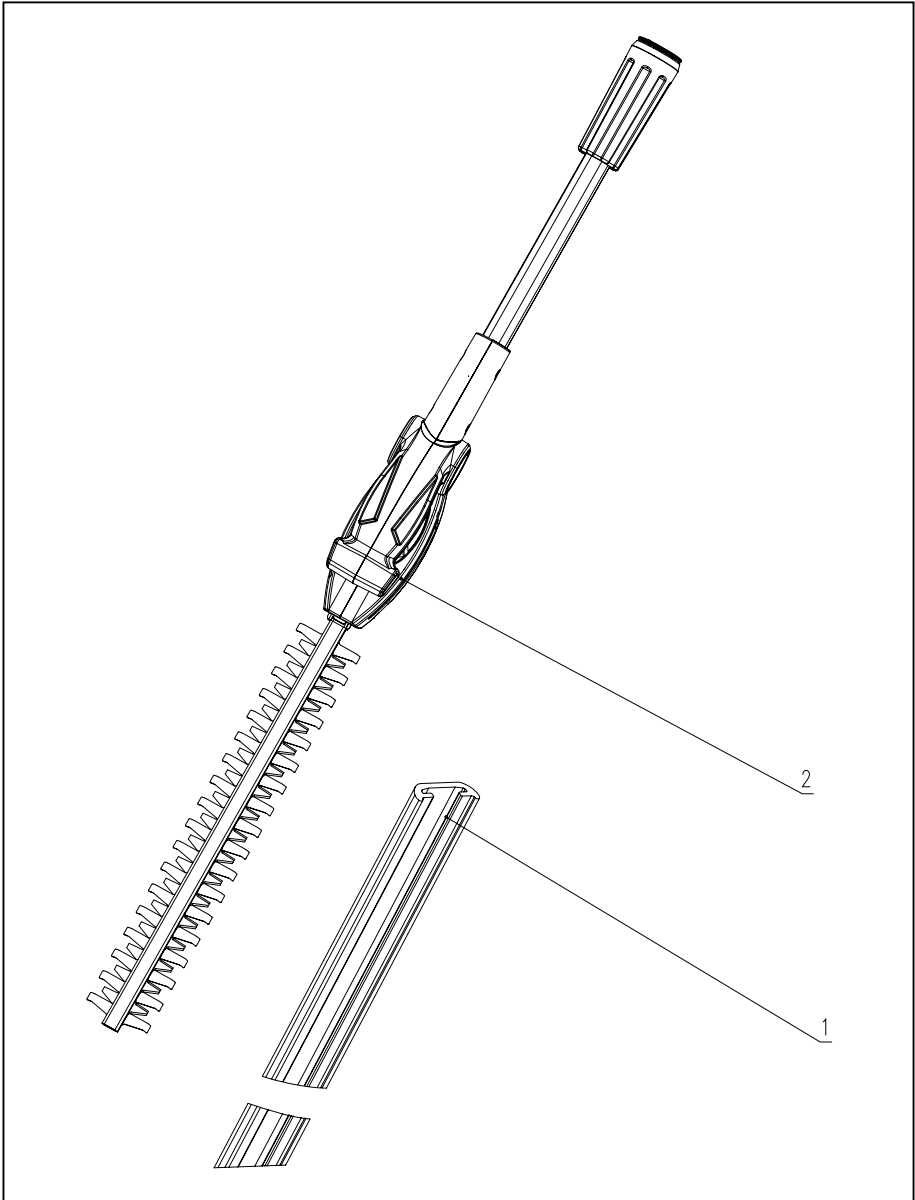
Warranty service is available by calling our toll-free helpline, at **1-888-909-6757 (1-888-90WORKS)**.

TRANSPORTATION CHARGES:

Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. It is the purchaser's responsibility to pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by **GREENWORKS**.

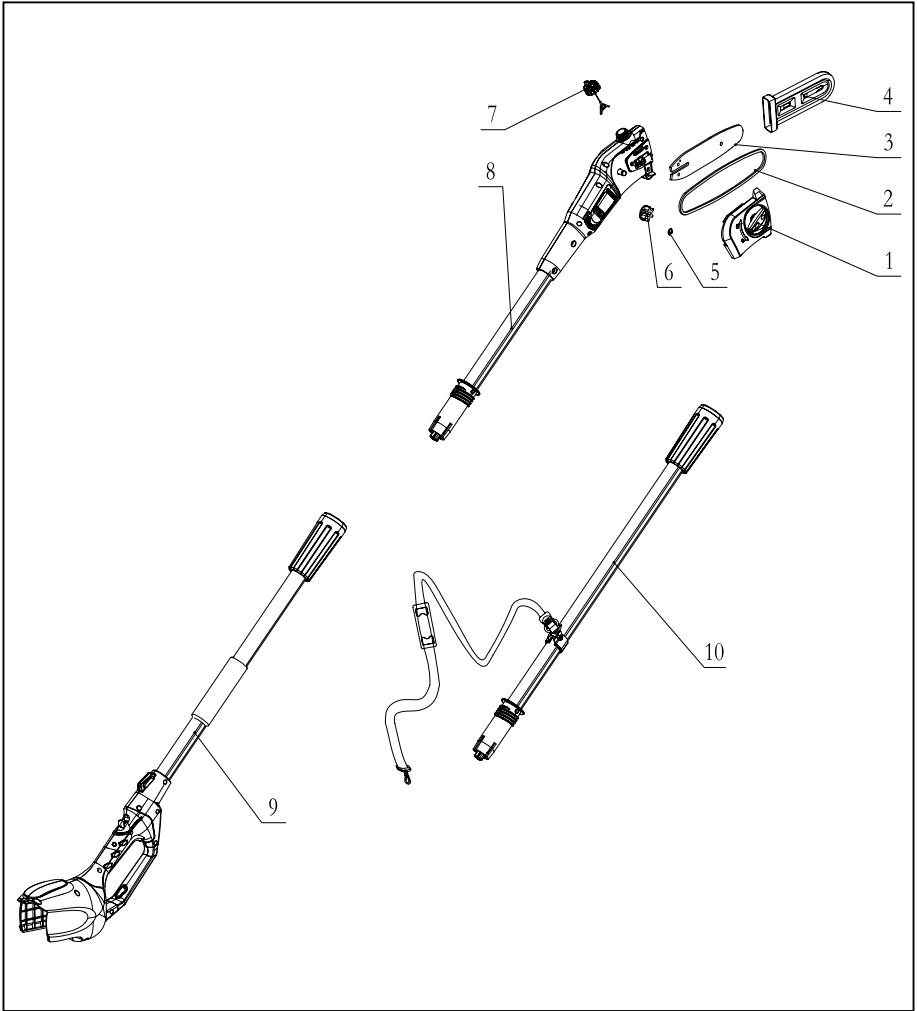
EXPLODED VIEW

POLE HEDGE TRIMMER



EXPLODED VIEW

POLE SAW



PARTS LIST

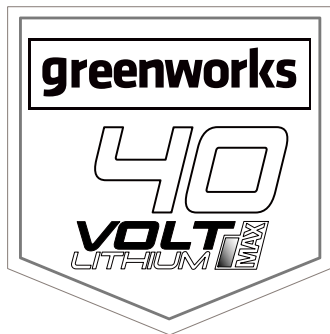
POLE HEDGE TRIMMER

Item No.	Part No.	Description	QTY
1	34110648	Blade Cover	1
2	31104258	Hedger	1

PARTS LIST

POLE SAW


Item No.	Part No.	Description	QTY
1	31111258	Side Cover Assembly	1
2	32901320	8" Chain	1
3	32902320-7	8" Guide Bar	1
4	34112320-2	Scabbard	1
5	3290875	Spring Φ 10	1
6	33902102-2	Sproket	1
7	31112258	Oil Tank Cap	1
8	31113258	Upper Pole Assembly	1
9	31103258	Handle Assembly	1
10	31102257	Middle Pole Assembly	1



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P.O. Box 3130
Mooresville, North Carolina 28117**

TOLL-FREE HELPLINE: 1-888-90WORKS (888.909.6757)

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