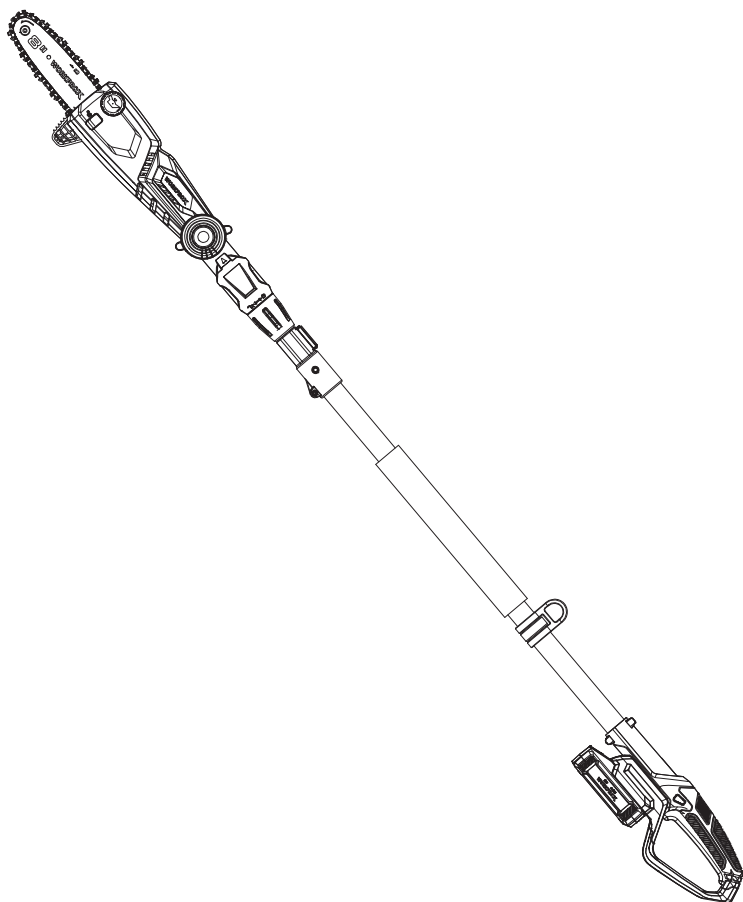
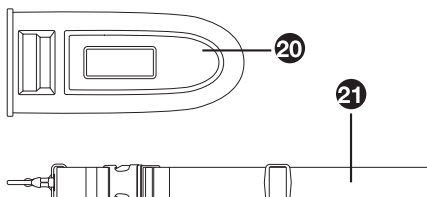
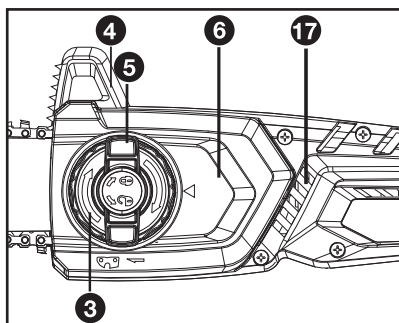
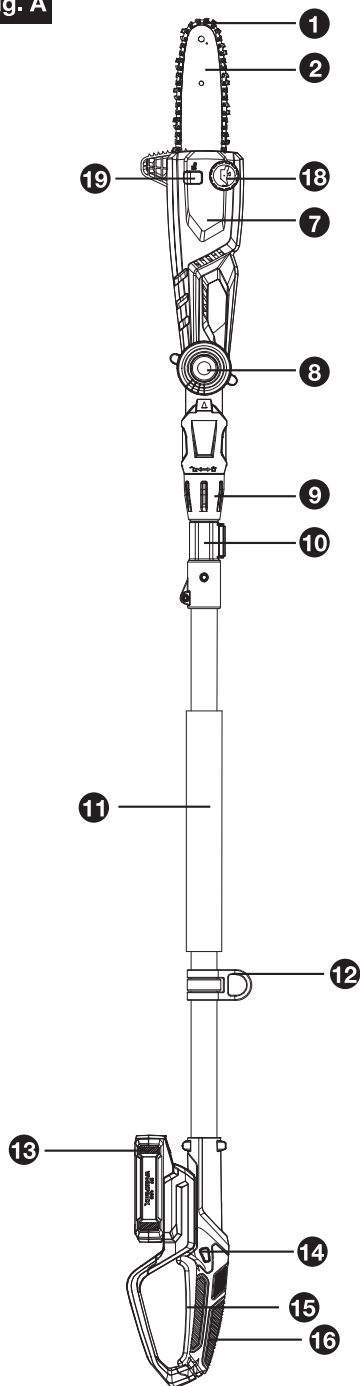


ORIGINAL OPERATING INSTRUCTIONS 20V CORDLESS POLE SAW



Distributed by:
Hangzhou GreatStar Industrial Co., Ltd.
No.35 Jiujuan Road, Shangcheng District,
Hangzhou 310019, China
www.greatstartools.com

Fig. A



- 1.Saw chain**
- 2.Chain bar**
- 3.Chain adjustment ring**
- 4.Bumper**
- 5.Fastening bolt for sprocket cover**
- 6.Sprocket cover**
- 7.Head**
- 8.Locking bolt**
- 9.Screw sleeve telescopic arm**
- 10.Quick release (for telescopic arm)**
- 11.Soft grip**
- 12.Eye (for shoulder strap)**
- 13.Battery pack**
- 14.Safety lock**
- 15.On / Off switch**
- 16.Rear handle**
- 17.Ventilation slots**
- 18.Oil filler cap**
- 19.Oil level inspection window on oil tank**
- 20.Blade cover**
- 21.Shoulder strap**

Fig. B

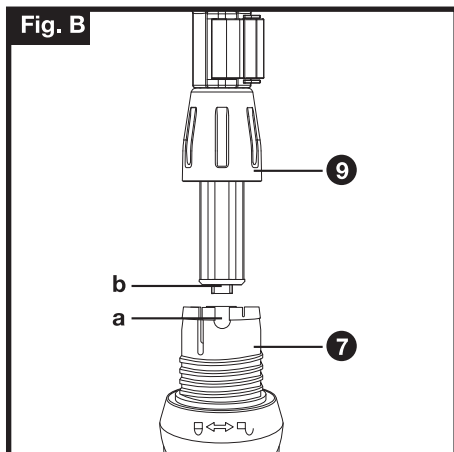


Fig. C

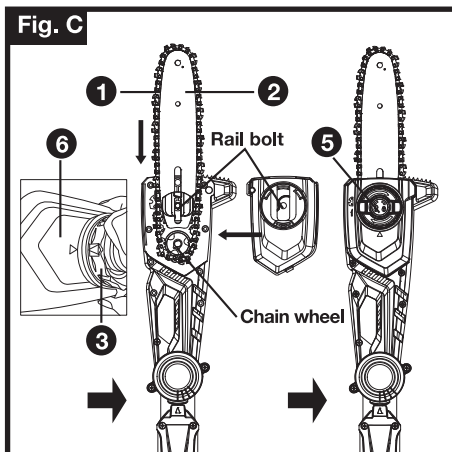


Fig. D

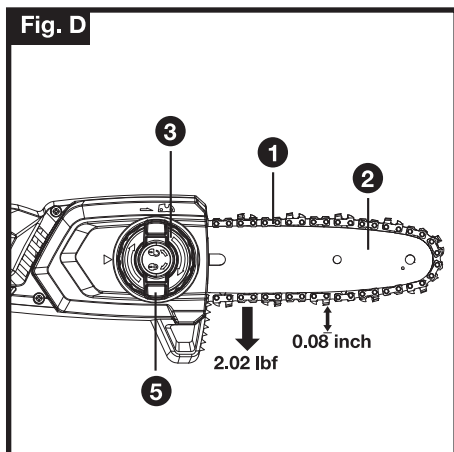


Fig. E

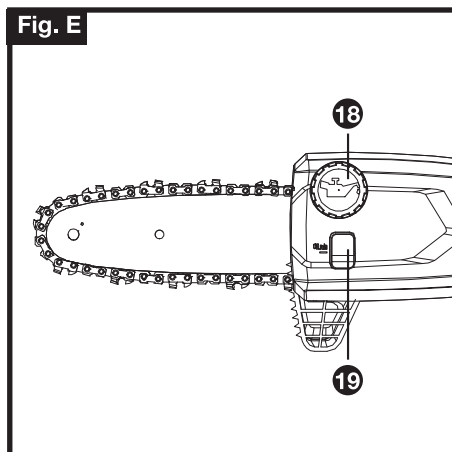


Fig. F

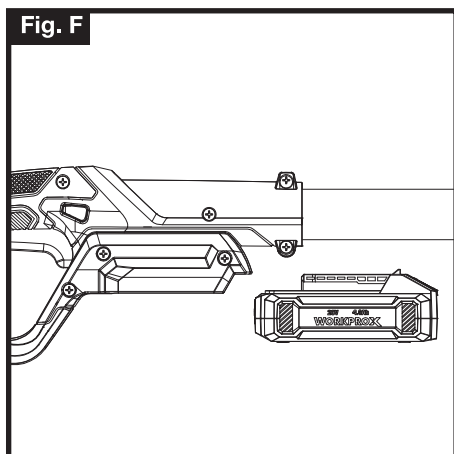


Fig. G

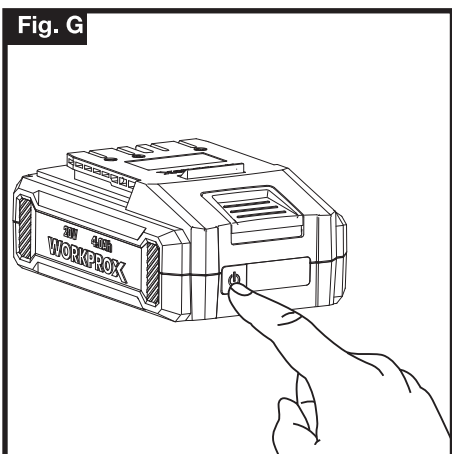


Fig. H

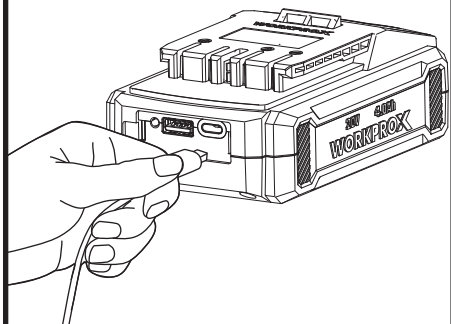


Fig. I

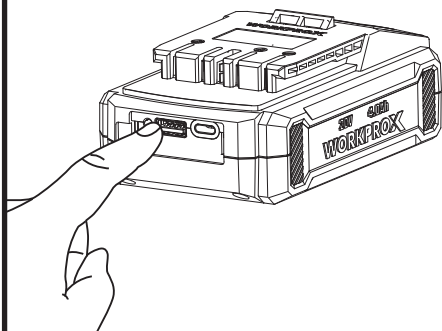


Fig. J

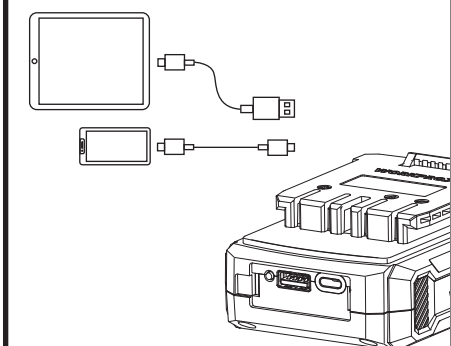


Fig. K

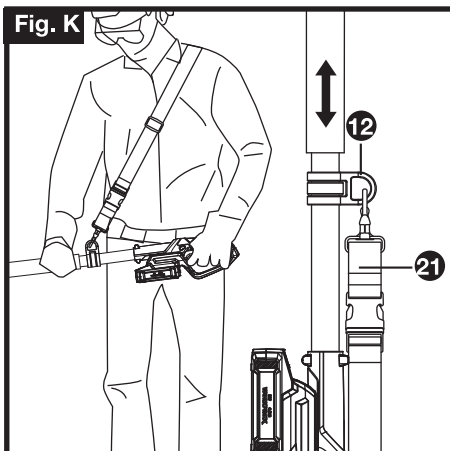


Fig. L

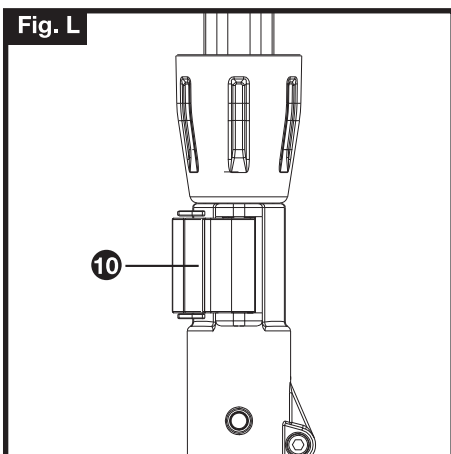


Fig. M

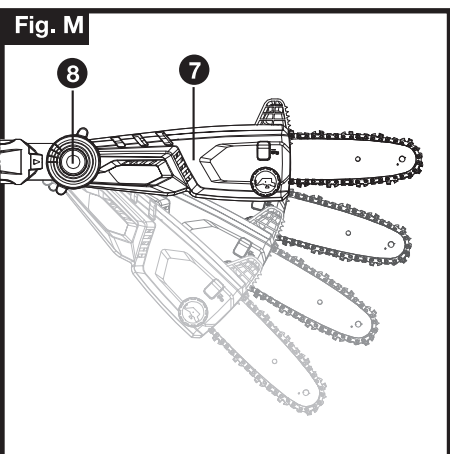
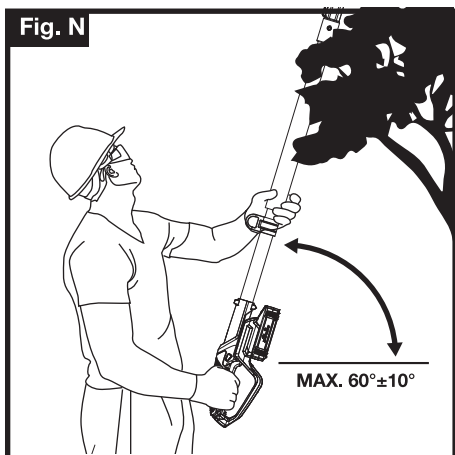


Fig. N



SYMBOLS

	To reduce the risk of injury, user must read instruction manual
	Wear ear protection
	Wear eye protection
	Wear dust mask
	Wear head protection
	Danger due to materials blown out of machine
	Keep the equipment away from near- by people
	Remove the battery from the device before maintaining the device
	Do not expose to rain
	Wear protective gloves
	Wear protective footwear
	Warning of danger from overhead electric-power lines
	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.

	Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.
	Li-Ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.
	Lock
	Unlock

Danger!

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

1. GENERAL POWER TOOL SAFETY WARNING

WARNING!

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

Save all warnings and instructions for future reference.

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

1) Work area safety

- **Keep 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 children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in any way.** Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **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.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool.** Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a 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. This enables better control of the power tool in unexpected situations.
- **Dress properly.** Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery 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 dust collection can reduce dust-related hazards.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

4) Power tool use and care

- **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 plug from the power source and/or remove the battery pack, if detachable, 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 and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.** If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- **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.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5) 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.

6) Battery tool use and care

- a. 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.
- b. 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.
- c. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- d. 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.
- e. 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.

ADDITIONAL SAFETY INSTRUCTIONS RELATED TO THE BATTERY PACK AND BATTERY SAFETY

Use only the WORKPROX batteries supplied with the WORKPROX Tool or WORKPROX-approved replacements.

Do not use the battery to power any device other than the WORKPROX tool it was sold with.

Do not charge the battery in a place where static electricity is generated nor let the battery touch something that is statically charged.

The battery can be stored at temperatures between 40°F(4°C) and 104°F(40°C).

Never store or leave your lithium ion battery in temperatures over that recommended otherwise fire may occur.

DO NOT store the Lithium Ion battery anywhere that the temperature can easily reach higher temperatures than recommended -this includes garden type sheds, and vehicles where the inside temperature can climb to dangerous levels in the direct sunlight and on high temperature days. **THINK BEFORE LEAVING YOUR LITHIUM ION BATTERY PACK IN STORAGE.**

The battery can be charged or operated at temperatures between 40°F(4°C) and 104°F(40°C). **NEVER CHARGE YOU LITHIUM ION BATTERY BELOW OR ABOVE TEMPERATURES RECOMMENDED OTHERWISE FIRE OR SERIOUS DAMAGE TO THE BATTERY PACK MAY OCCUR.**

The most suitable temperatures to charge the battery pack are between 68°F(20°C) -77°F(25°C).

Always allow the battery pack to cool down after charging, do not place it in a hot environment such as a metal shed or open trailer left in the sun.

Take care where the tool is stored. Do not store in areas of corrosive fumes, or salt air or similar conditions. Try and store the tool in the packaging supplied with the tool.

Do not dispose of the battery in a fire or put the battery into a microwave oven, conventional oven, dryer, or high-pressure container. Under these conditions, the battery may explode.

Never attempt to open the battery pack, puncture the battery or subject the battery to strong physical shock.

If the plastic housing of the battery pack breaks open or cracks, immediately discontinue its use and do not recharge it. Ensure the battery pack clip is in good condition and will not allow the pack to fall free from the tool. If the clip is damaged or for any reason is not locking the pack in place, Do Not continue to use.

Stop using the battery if it exhibits abnormal heat, odour, colour, deformation, or is in an abnormal condition.

If you detect leakage or a foul odour, it is especially important to keep the battery away from fire. If battery liquid leaks onto your skin or clothes, wash well with clean water immediately. If liquid leaking from the battery gets into your eyes, do not rub your

eyes. Rinse your eyes well (for at least 10 minutes) with clean water, and consult a doctor immediately.

Do not use a leaking battery.

Handle batteries with care to avoid shorting the battery with conducting materials, such as nails, screws, metal watch bands, rings, bracelets, and keys. The battery may overheat and could burn you.

After the battery has reached the end of its useful life, we recommend recycling the materials at your local municipal council recycling centre. DO NOT attempt to replace the battery cells in the battery pack, repair or modify any part of the battery pack assembly.

When recycling, make it nonconductive by applying insulating tape to the terminals located on the battery.

WHEN TO CHARGE THE BATTERY

New batteries are shipped in a low charged condition and should be fully charged before Use. The battery pack can be recharged at any time during use, provided the pack is not overheated.

If the battery pack starts to cut out due to low voltage, or previous tasks undertaken can no longer be performed, it is suggested to stop using the tool and recharge the battery.

For storage, it is suggested to recharge the battery between 50% and 75% charge. Charge the device at least once in 3-6 months to preserve battery life span.

SAFETY INSTRUCTION FOR POLE SAW

- Keep all parts of the body away from the saw chain when the pole saw is operating. Before you start the pole saw, make sure the saw chain is not contacting anything. A moment of inattention while operating pole saws may cause entanglement of your clothing or body with the saw chain.
- Always hold the pole saw with your one hand on the Grip Area (16) and your other hand on the Secondary Grip Area (11). Holding the pole saw improperly increases the risk of personal injury and should never be done.
- Hold the pole saw by insulated gripping surfaces only, because the saw chain may contact hidden wiring. Saw chains contacting a live wire may make exposed metal parts of the pole saw live and could give the operator an electric shock.
- Wear safety glasses protection. Further protective equipment for hearing, head, hands, legs and feet is recommended. Adequate protective clothing will reduce personal injury by flying debris or accidental contact with the saw chain.
- Do not operate a pole saw in a tree, on a ladder, from a rooftop, or any unstable support. Operation of a pole saw in this manner could result in serious personal injury.
- Always keep proper footing and operate the pole saw only when standing on fixed, secure and level surface. Slippery or unstable surfaces may cause a loss of balance or control of the pole saw.
- When cutting a limb that is under tension, be alert for spring back. When the tension in the wood fibers is released, the spring loaded limb may strike the operator and/or throw the pole saw out of control.
- Use extreme caution when cutting brush and saplings. The slender material may catch the saw chain and be whipped toward you or pull you off balance.
- Carry the pole saw with the pole saw switched off and away from your body. When transporting or storing the pole saw, always fit the guide bar cover. Proper handling of the pole saw will reduce the likelihood of accidental contact with the moving saw chain.
- Follow instructions for lubricating, chain tensioning and changing the bar and chain. Improperly tensioned or lubricated chain may either break or increase the chance for kickback.
- Cut wood only. Do not use pole saw for purposes not intended. For example: do not use pole saw for cutting metal, plastic, masonry or non-wood building materials. Use of the pole saw for operations different than intended could result in a

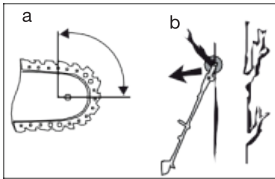
hazardous situation.

- This pole saw is not intended for tree felling. Use of the pole saw for operations different than intended could result in serious injury to the operator or bystanders.
- Follow all instructions when clearing jammed material, storing or servicing the pole saw. Make sure the switch is off and the battery pack is removed. Unexpected actuation of the pole saw while clearing jammed material or servicing may result in serious personal injury.
- Recommendation that the first-time user should, as a minimum, practice cutting logs on a saw-horse or cradle.
- Recommendation to have sharpening and maintenance of the saw chain performed by authorized service centers.

CAUSES AND OPERATOR PREVENTION OF KICK-BACK

⚠ Beware of kickback!

Be careful of kickback of the machine during work. There is danger of injury here. You can avoid kickbacks by exercising caution and using a correct sawing technique.



- Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut (cf. fig. b).
- Tip contact in some cases may cause a sudden reverse reaction, kicking the guide bar up and back towards the operator (cf. fig. a).
- Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator.
- Either of these reactions may cause you to lose control of the saw which could result in serious personal injury. Do not rely exclusively upon the safety devices built into your saw. As a chain saw user, you should take several steps to keep your cutting jobs free from accident or injury.

Kickback is the result of tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

- **Maintain a firm grip, with thumbs and fingers encircling the chain saw handles, with both hands on the saw and position your body and**

arm to allow you to resist kickback forces. Kickback forces can be controlled by the operator, if proper precautions are taken. Do not let go of the chain saw.

- **Do not overreach and do not cut above shoulder height.** This helps prevent unintended tip contact and enables better control of the chain saw in unexpected situations.
- **Only use replacement bars and chains specified by the manufacturer.** Incorrect replacement bars and chains may cause chain breakage and/or kickback.
- **Follow the manufacturer's sharpening and maintenance instructions for the saw chain.** Decreasing the depth gauge height can lead to increased kick-back.
- **Follow instructions for lubricating, chain tensioning and changing accessories.** Improperly tensioned or lubricated chain may either break or increase the chance for kickback.
- **Do not saw with the point of the blade (cf. fig. b) or above shoulder height.** Do not lean over too far during the sawing operation.
- **Ensure that there are no objects lying around on the ground that you can trip over.**

ADDITIONAL SAFETY DIRECTIONS

- Keep the equipment, cutting attachments and protective blade cover in good condition in order to prevent injury.
- Ensure during any location change that the saw chain is secured with the chain brake and the chainsaw is switched off and the finger does not contact the On/ Off switch. Carry the cordless pole saw with the chain and chain bar pointing to the rear. Attach the chain guard for transporting the cordless pole saw. If dropped, check the equipment for significant damage or defects.
- Never start the cordless pole saw before the chain bar, saw chain and sprocket covering are correctly assembled.
- The cordless pole saw is designed for two-handed operation. Never work with one hand or above shoulder height.
- Hold the power tool only on the insulated handle surfaces, as the saw chain can come into contact with concealed power lines or the mains cable to the equipment. Contact between the saw chain and a live wire can make metal parts of the equipment live and cause an electric shock.
- Ensure you have a secure stance during sawing. Do not work on a ladder, in the tree or on unstable locations. Be very cautious carrying out work on a slope.
- Keep your working area tidy. Only start work if your

working area is free from obstruction and you have planned a safe path of escape when felling timber.

- Place the claw stop securely with every cut and do not begin with the sawing before this.
- Be extremely careful during sawing small bushes and branches. The thin branch thicket can snag in the saw and whip in your direction or make you unbalanced.
- Do not cut wood that is lying on the ground.
- Pay attention to a possible spring-back during the sawing of a branch which is under stress, if the stress force of the wood is suddenly released. Danger of injury exists.
- Check the safety status of the cordless pole saw, in particular the chain bar, chain brake and the chain, before use.
- In the event that the cutting attachment becomes jammed or stuck in the branches, do not attempt to free the equipment with the use of force. Switch off the equipment immediately and restart it only after clearing the blockage. There is a risk of injury!

RESIDUAL RISKS

Even if properly operating and handling this electric tool, some residual risks will remain. Due to its

construction and build, this electric tool may present the following hazards:

- a) Cuts
- b) Ear damage if working without ear protection.
- c) Damage to your health caused by swinging your hands and arms when operating the appliance for longer periods of time or if the unit is not held or maintained properly.

EXTENT OF THE DELIVERY

Carefully unpack the appliance and check that it is complete. Dispose of the packaging material correctly.

- 1× Cordless pole saw
- 1× Chain bar
- 1× Saw chain
- 1× Blade cover
- 1× Telescopic arm
- 1× Shoulder strap
- 1× 4.0Ah Battery pack
- 1× USB-C Charging cable
- 1× Instruction manual

TECHNICAL DATA

Rated voltage			20V DC
No-load speed			2500rpm
Chain speed			16,4 ft/s
Max. Guide bar length			8 inch / 204mm
Max. Cutting capacity			6,3 inch / 160mm
Chain pitch			0,375 inch / 9,5mm
Volume oil tank			3,38oz / 100ml
Chain saw total length			Between 6,8-9,2ft, up to 16,4ft reachable (based on 6ft people use)
Weight (without battery pack)			2,9kg / 6,4lbs
Battery	Capacity		4000mAh
	Voltage		Maximum 20V, Nominal 18V
	USB-C	Input / Output	Max. 45W, 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/2,25A
		Accept Fast Charging Protocols	FCP, SCP, AFC, QC3.0, PD3.0, DCP, Apple2.4A
	USB-A	Output	Max. 27W, 5V/3A, 9V/3A, 12V/2A
		Accept Fast Charging Protocols	FCP, SCP, AFC, QC3.0

NOISE INFORMATION

A weighted sound pressure	LpA = 77.8 dB(A)
KpA	3.0 dB(A)
A weighted sound power	LwA = 87.8 dB(A)
KwA	2.72 dB(A)
Guaranteed	91 dB(A)

VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 62841:

Rear handle	ah = 2.55 m/s ²
Front handle	ah = 2.48 m/s ²
K=1.5 m/s ²	

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

The declared vibration total value and the declared noise emission value may also be used in a preliminary assessment of exposure.

WARNING!

The vibration and noise emissions during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used especially what kind of work piece is processed dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

The use of the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles and if any anti vibration and noise accessories are used.

And the tool is being used as intended by its design and these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

WARNING!

To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job.

This may significantly reduce the exposure level over the total working period.

Helping to minimise your vibration and noise exposure risk.

Always use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

If the tool is to be used regularly then invest in anti vibration and noise accessories.

Plan your work schedule to spread any high vibration tool use across a number of days.

INTENDED USE

- The device is intended for cutting trees and bushes. It is not designed for extensive sawing work, tree felling and cutting materials such as masonry, plastic or food. Any other use that is not explicitly approved in these instructions may result in damage to the equipment and represent a serious danger to the user.
- This equipment is not suitable for commercial use. Commercial use will invalidate the guarantee.
- The equipment is designed for use by adults. Adolescents over the age of 16 may use the device only under supervision.
- The cordless pole saw is equipped with a telescopic arm which makes it possible to cut higher branches from the ground.
- The device is equipped with a chain saw attachment (with sword and saw chain). For the protection of the user, the chain- saw can only be started when the safety lock is pressed.
- The device has a lithium ion rechargeable battery. Please refer to the descriptions below for information about the operating devices.

ASSEMBLY

WARNING!

Do not install the battery pack before it has been completely assembled.

Always use gloves when handling the chain.

If the tubes of the device are not fitted into each other or screwed correctly, the device cannot be switched on. A safety switch prevents the operation!

Use only original parts.

Assemble device(Fig.B)

1. Interlock the end of the hexagonal aluminium pipe of the telescopic arm and the end of the arm below the cutting head (7) up to the stop. Whilst interlocking the two, ensure that the nose (b) of the hexagonal aluminium pipe fits into the nut (a) at the end of

the arm (see small image).

2. Fasten both parts using the screw sleeve (9)  

Install the saw chain and chain bar(Fig.C)

1. Loosen the fastening bolt (5) and remove the sprocket cover (6).
2. Spread out the saw chain (1) in a loop way that the angled cutting edges of the chain links are aligned clockwise.
3. Place the saw chain (1) into the blade groove.
4. Turn the chain adjustment ring (3) on the sprocket cover (6) in an anticlockwise direction until the two markings point towards each other.
5. Place the chain bar (2) on the rail bolt.
6. To install, hold the chain bar (2) tilted at an angle of approx. 45 degrees upward, and guide the saw chain (1) around the chain wheel. It is normal for the saw chain (1) to sag.
7. Place the sprocket cover (6) into position. First, the lug on the cover has to be inserted into the notch provided on the device. Tighten the mounting screw (5) only by hand, as the device still has to be tightened.

Tension the saw chain(Fig.D)

WARNING!

The tension of saw chain is important both for your safety and for the function of the cordless pruner. Correctly tension will increase the lifetime of your equipment. Please check the chain tension before each use of the cordless pruner.

- Saw chain (1) is correctly tensioned if it can be pulled around chain bar (2) by hand (wearing gloves) without sagging.
 - When the saw chain is tensioned with 2.02 lbf (approx. 2.2 lbs), the gap between the saw chain and the guide rail may not be more than 0.08 inch.
 - The chain tension in new saw chains must be readjusted after a short operating period.
1. Loosen the fastening bolt (5).
 2. Hold the tip of the blade tightly. To tighten the saw, turn the chain adjustment ring (3) in the clockwise direction. To loosen the tension, turn the chain adjustment ring in an anticlockwise direction.
 3. Tighten the fastening bolt (5).

Chain lubrication(Fig.E)

WARNING!

Always switch off the device and allow the motor to cool before filling with chain oil. There is a risk of fire if chain oil overflows. Chain bar and saw chain must always be oiled. Nonobservance of this will result in

increased wear on the blade and saw chain.

- A full tank will last for approx. 15 min of continuous operation. Check the oil level in good time.
 - The cordless pole saw is equipped with an oil automatic system. As soon as the motor is speed up, the oil also flows faster to the chain bar.
 - Before starting work, check the oil level in the oil automation system.
 - Check the oil level indicator (19) regularly and top up with oil once the minimum mark is reached. The oil tank holds 100 ml of oil.
 - Use bio chain oil, this product contains additives that reduce wear and tear and does not damage the pump system.
 - If you have no bio chain oil available, use chain lubrication oil with low adhesive additive content.
1. Unscrew the oil filler cap (18) and fill up with chain oil.
 2. Wipe off any spilled chain oil and close the cap again.

OPERATION

WARNING!

When working with the device wear suitable clothing, work gloves, protective headgear and hearing protection and firm work boots. Prior to each use it must be ensured that the device is operative. The on/off switch and the safety lock must not be locked. The motor must be switched off when the switch has been released. Do not use the device if damaged.

Observe noise control and local regulations.

Inserting/Removing the battery pack (Fig.F)

- To remove the battery, push in the release buttons and pull the battery pack away from the tool.
- To insert the battery, slide the pack into the body of the tool. Make sure it latches securely into place.

WARNING!

- Always switch off the tool before installing or removing the battery pack.
- Hold the tool and the battery pack firmly when installing or removing the battery pack. Failure to hold the tool and the battery pack firmly may cause them to slip off your hands and result in damage to the tool and battery pack and a personal injury.

Battery capacity indicator (Fig.G)

The battery pack has an LED screen, and press  the can display real-time power level. The screen will automatically turn off in three seconds.

Recharge the battery pack (Fig.H)

To charge your battery pack, connect one end of the USB cable with a USB-C port to the corresponding USB-C port on the battery pack, and connect the other end to a USB-C or USB-A interface charger.

Charge portable device (Fig.I&J)

- Press the button as shown in, the indicator will light up green to indicate that the battery pack is active and that the USB ports are ready to be used.(See Fig.I)
- Plug the USB cable into the correct port, and the other end of the cable into your device to begin charging the device.(See Fig.J)
- After charging, disconnect the USB cables, press the button to turn the indicator off.

NOTE: The green light remains on during output.After pressing the button, if no USB cable is connected for an extended period, the green light will automatically turn off after 5 minutes.

Attach/setting the shoulder Strap(Fig.K)

- 1.Attach the carabiner hook of the shoulder strap (21) to the carrying eye (12) on the telescopic arm of the device.
- 2.Set the belt length in a way that the carrying eye (12) is at hip height.
- 3.You can also adjust the height of the carrying eye (12) on the telescopic arm after loosening the hex socket head screw.

Adjust the telescopic arm(Fig.L)

The telescopic arm can be infinitely adjusted by using quick release (10).

- 1.Push the lever forward as shown in the illustration then push and pull to adjust the handle length.
- 2.Pull back the lever and so fix the desired working length of the telescopic arm.

Bend saw head(Fig.M)

The saw head can be tilted in 4 positions(0°-15°-30°-45°) in order to be able to cut crooked branches.

Press the locking bolt (8) and simultaneously tilt the saw head (7). It locks into the desired position when the lock button is released.

On / Off Switch

Ensure that you are standing in a firm position with both hands gripping the pole saw away from the body. Ensure that the pole saw is in contact with no other objects before operating.

- 1.Operate safety lock (14) and switch on the pole saw at On/Off switch (15). For safety reasons, a lockable continuous operation setting is not possible.
- 2.The equipment will switch off again when you release On/Off switch (15).

Working Safety(Fig.N)

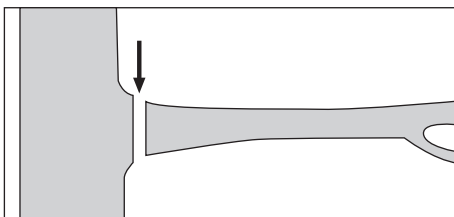
- Keep the equipment, cutting attachments and protective blade cover in good condition in order to prevent injury. If dropped, check the equipment for significant damage or defects.
- Observe the specified working angle($60^{\circ} \pm 10^{\circ}$), in

order to guarantee safe working.

- Do not use the pole saw when standing on a ladder or in an unsafe position.
- Children must be supervised to ensure that they do not play with the equipment.
- Change your working position regularly. Long use of the equipment can result in vibration-related circulatory disorders in the hands. However, the length of use can be extended by using suitable gloves or taking regular breaks.
- Note that a personal tendency for poor circulation, low outdoor temperatures, or high gripping forces during work will reduce the length of use.

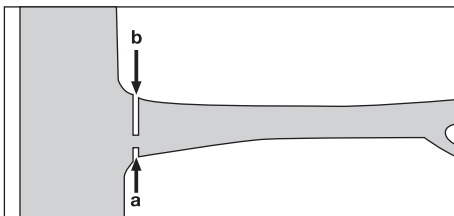
Sawing off small branches

- Set your pole saw cut of smaller branches ($\varnothing$ 0-8 cm) from top to bottom, as illustrated.
- Be aware of early breaking of the branch if you have underestimated the size and weight.
- Be completely aware of the falling cut material.



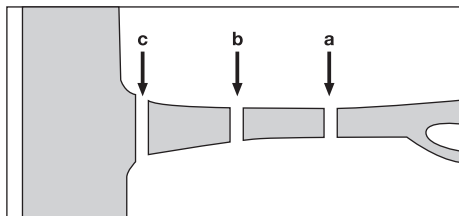
Sawing off larger branches

- For controlled sawing of larger branches ($\varnothing$ 8-20 cm), first select a relief cut (a).
- This is made from below. Saw a notch in the lower third of the branch.
- The actual length cut (b) is again made from the top, as far as possible in line with the first cut so that the two cuts meet.



Sawing off parts

- For large / long branches, sawing off in parts is recommended (a, b, c). This is the only way to safely ensure the point of impact of the cut material.
- Clear away from the area in which you are standing any parts that have already been cut and are lying on the ground.



CLEANING & MAINTENANCE

⚠ WARNING:

Always remove the battery pack before making adjustments to the equipment.

Cleaning

- Do not use cleaning agents or solvents. You may otherwise irreparably damage the appliance.
- Keep clean the ventilation slots(17), motor housing and handles of the appliance. Use a damp cloth or a brush.
- Only dry wipe the saw chain. After cleaning, lightly oil the saw chain with chain oil. Apply individual drops of oil to the joints and the points of the teeth on the individual chain links.

Maintenance intervals

- Carry out the maintenance work listed in the table below at regular intervals.
- Regular maintenance of your equipment extends the lifespan of the equipment.
- You will also achieve optimum cutting performances and avoid accidents

Equipment Part	Action	Before each use	After 10 operating hours
Whole machine	Check condition, replace damaged parts if necessary	✓	
Accessible screws and nuts	Tighten	✓	
Chain wheel	Check, replace if necessary	✓	
Saw chain	Check, oil, sharpen or replace if necessary	✓	
Chain bar	Check, clean	✓	✓

Maintaining the saw chain

1. Turn off the appliance and, before doing any servicing, remove the battery.
2. Take off the chain wheel cover (6), saw chain (1) and chain bar (2).
3. Check the saw chain (1) for wear. Remove burrs and straighten the guide surfaces with a flat file.
4. Clean the oil passage to ensure fault-free, automatic oiling of the saw chain during operation.
5. When the oil channels are in optimum condition, the saw chain automatically sprays a little oil a few seconds after the saw is started.
6. Assemble the chain bar, saw chain and chain wheel cover and retension the saw chain (see the "Assembly" chapter).

STORAGE

- Clean the equipment before putting it away.
- Put on blade cover.
- Always empty the oil tank before pauses in operation lasting several weeks because the biological chain oil can become resinous and block the oil outlet channel. Dispose of used oil in an environmentally correct manner.
- Store the device in a dry, frost-free, and dust-protected place and out of reach of children.
- Store the equipment and accessories in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5°C (41°F) and 30°C (86°F) . Store the electric tool in its original packaging.
- For storage, it is suggested to recharge the battery between 50% and 75% charge.
- Charge the device at least once in 3-6 months to preserve battery life span.

DISPOSAL AND RECYCLING



Environmental protection

This product has been marked with a symbol relating to removing electric and electronic waste. This means that this product shall not be discarded with household waste but that it shall be returned to a collection system. It will then be recycled or dismantled in order to reduce the impact on the environment. Electric and electronic equipment can be hazardous for the environment and for human health since they contain hazardous substances.



Li-ion

Disposal of an exhausted battery pack

To preserve natural resources, please recycle or dispose of the battery pack properly. This battery pack contains Li-ion batteries. Consult your local waste authority for information regarding available recycling and/or disposal options. Discharge your battery pack by operating your tool, then remove the battery pack from the tool housing and cover the battery pack connections with heavy-duty adhesive tape to prevent short circuit and energy discharge. Do not attempt to open or remove any of the components.

WORKPROX