Ronix®
Premium Quality

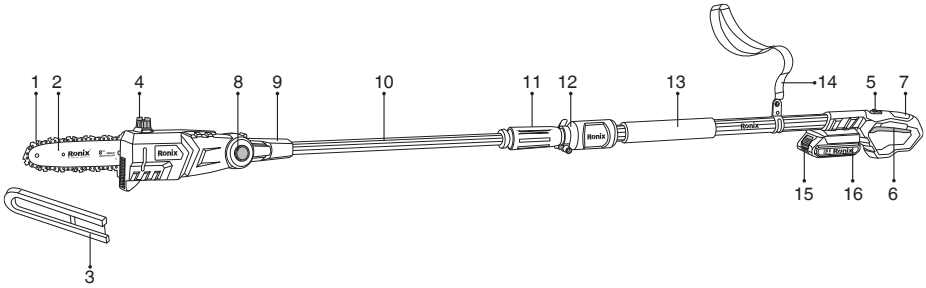
CORDLESS POLE SAW 20V
8602

www.ronixtools.com

TECHNICAL SPECIFICATION

Model	**8602**
Voltage	20V
Battery Type	Lithium-ion
Battery Capacity	2.0Ah
Maximum Cutting Diameter	200mm
Chain Size	8inch
Chain Bar Length	200mm
Head Angle	3 degree(0° 15° 30°)
Pole Length	99cm-148cm
No-load Speed	2700RPM
Chain speed	5.5m/s
Oil Tank Capacity	95ml
Run Time	Full-load:12 min
Cuts per Battery Charge (Cutting diameter 35mm)	120pcs
Charging Time	60min
Total Length	265cm
Weight	3.48Kg
Includes	1pc chain 1pc chain bar 1pc bar cover 1pc Strap 1pc oil bottle 1pc Battery 1pc charger 2A

PART LIST



1- Saw Chain

2- Guide Bar

3- Scabbard

4- Cap

5- Trigger Lockout

6- Trigger

7- Handle

8- Button

9- Connecting rod

10- Connecting Pipe

11- Locking nut

12- Telescopic Pipe

13- Grip Area

14- Strap

15- Battery Release Button

16- Battery Pack

EXPLANATION OF SYMBOLS ON YOUR PRODUCT

 Protect the machine from foul weather.

 Read the user manual before using the device.

 Always wear a helmet, goggles, and ear protection.

 Risk of fatal electric shock. At least 10m distance from overhead lines to keep.

⚠ DANGER!

Do not put the device on when there are children, people, or pets in the area.

 They carry gloves to protect their hands.

 Safety shoes they wear, to be protected against short circuits.

GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING!

- Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and or serious injury.
- Save all warnings and instructions for future reference.
- The term “power tool” in the warnings refers to your mains-operated (corded) power tools or battery-operated (cordless) power tools.

▪WORK AREA SAFETY

- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Don’t 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.

ELECTRIC SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Don't use any adaptor plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce the 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.
- Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Don't abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep the cord away from heat, oil, sharp edge,s or moving parts. Damaged or entangled cords increased the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Using a cord suitable for outdoor use will reduce the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. The use of an RCD reduces the risk of electric shock.
- Use of power supply via an RCD with a rated residual current of 30mA or less is always recommended.

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating a power tool. Don't 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 dust masks, non-skid safety shoes, hard hats, 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 a power source and/or battery pack, picking up, or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- 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.
- Don't overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Don't 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 connection of dust extraction and collection facilities, ensure these are connected and properly used. The use of dust collection can reduce dust-related hazards.

BATTERY TOOL USE AND CARE

- Recharge only with the charger specified by Ronix. 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 by Ronix. Use of any other battery packs may create a risk of injury and fire.
- When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts the eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

POWER TOOL USE AND CARE

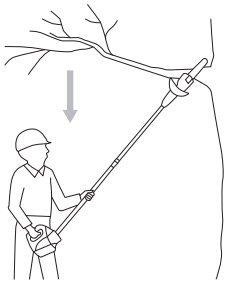
- Don't force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Don't use the power tool if the switch doesn't turn on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source and/or 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 don't 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 o 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. according to the instruction, 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.

SERVICE

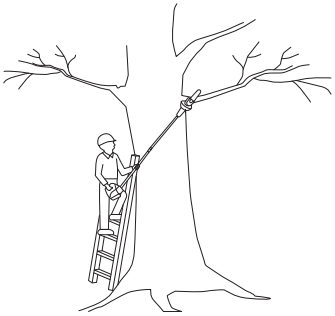
- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- Follow the instruction for lubricating and changing accessories.
- Keep handles dry, clean, and free from oil and grease.

POLE SAW TRIMMING PRECAUTIONS

1- Never stand directly under the limb you are trimming. Always position yourself out of the path of falling debris.

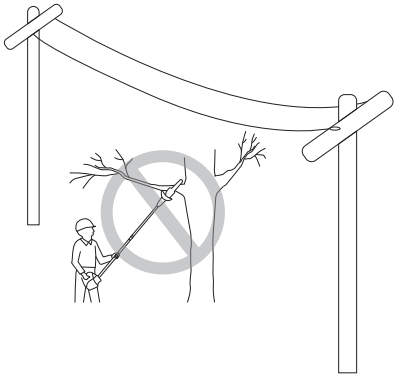


2- Never stand on a ladder or other type of unstable support while using the Pole saw. Always use both hands to operate the pole saw. Keep a firm, steady pressure on the pole saw while cutting but do not try to force the saw through the wood.
Do not use the pole saw to cut limbs larger in diameter than the length of the guide bar.



3- Keep other persons away from cutting the end of the pole saw and at a safe distance from the work area.

4- Do not use a pole saw near the cable, electric power, or telephone lines.



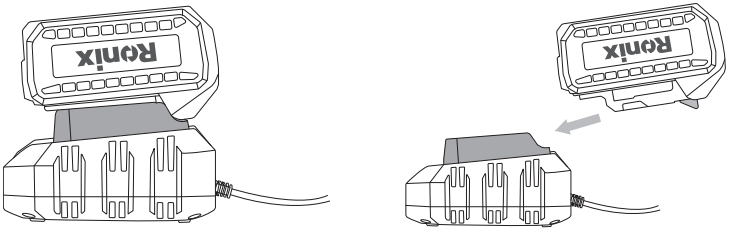
Maintain a minimum clearance of 3 meters from all power lines.

▪CHARGING BATTERY

The battery needs to be charged before first use and whenever it fails to produce sufficient power on jobs that were easily done before. When charging the battery for the first time, or after prolonged storage, it will only accept an 80% charge. After several charge and discharge cycles, the battery will attain full capacity. The battery may become warm while charging, this is normal and does not indicate a problem.

Remove it from the tool and insert it into the charge station. The battery pack will only fit into the charge in one way. Do not force. Be sure that

the battery is fully seated in the charger.



▪CHARGING PROCEDURE

These chargers require no adjustment and are designed to operate as easily as possible. Simply place your battery pack into the receptacle of a plugged-in charger and it will automatically charge the pack.

IMPORTANT CHARGING NOTES

1- Allow the battery to cool down before charging after using the saw (NOTE: A hot battery placed in the charger will not charge).
2- DO NOT charge the battery pack in an air temperature below 40°F (4 °C) or above 104°F (40 °C). This is important and will prevent serious damage to the battery pack. The longest life and best performance can be obtained if the battery pack is charged when the air temperature is about 75°F (24°C).
3- While charging, the charger may hum and become warm to the touch. This is a normal condition and does not indicate a problem.
4- If the battery pack does not charge properly.
- Check the current at the receptacle by plugging in a lamp or other appliance.
- Check to see if the receptacle is connected to a light switch which turns the power off when you turn out the lights.
- If the Power outlet is OK, and you do not get proper charging contact the Ronix service center.
5- To prolong battery life, avoid leaving the battery pack on the charger for extended periods (over 30 days without use). It can significantly reduce

overall battery life.

POLE SAW ASSEMBLY

⚠ WARNING!

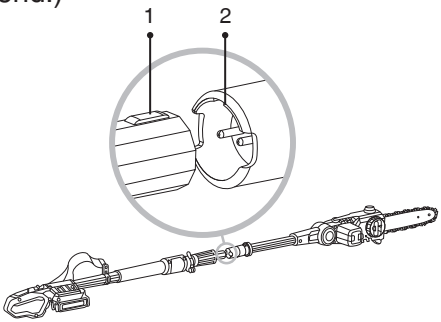
Cutting edges on the chain are sharp. Use protective gloves when handling the chain.)

1- Remove the battery from the chain saw.

2- With a chain saw to the head of the former pole plug-in Under the pole with a handle.

⚠ IMPORTANT!

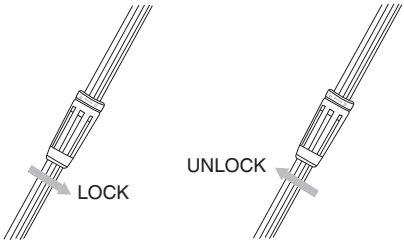
When inserted, the convex 1 would have to target groove 2, and must be inserted at the end.)



3- With the locking knob lock pole joints.

⚠ IMPORTANT!

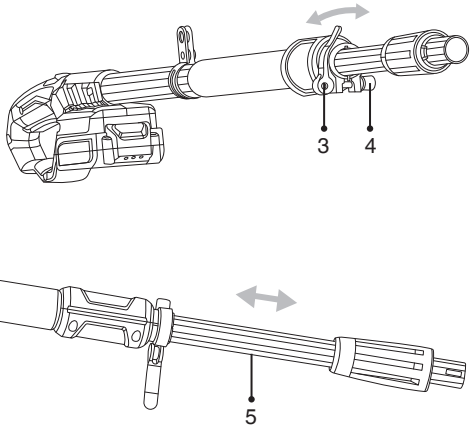
Must not move until the rotation to the rotation.



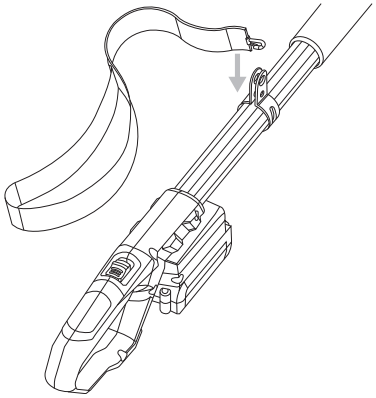
4- To adjust the height:

1- Hold the tube (5) with one hand, and then loosen the trigger (3).
2- Set the handle to the correct length and tighten the trigger (3).

⚠ IMPORTANT!
Before locking the trigger preloaded need to tighten the nut (4).

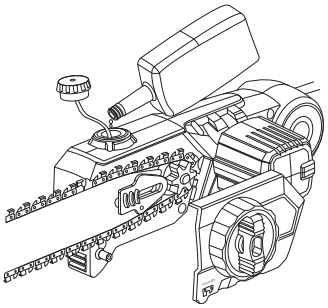


5- Buttons on the strap buckle the screw.

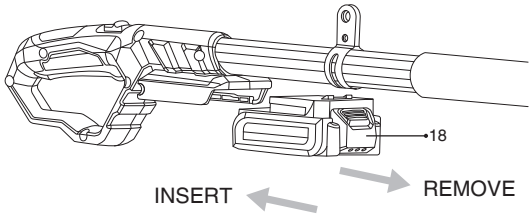


6- The oiler inside the oil into the pole saw›s fuel tank.

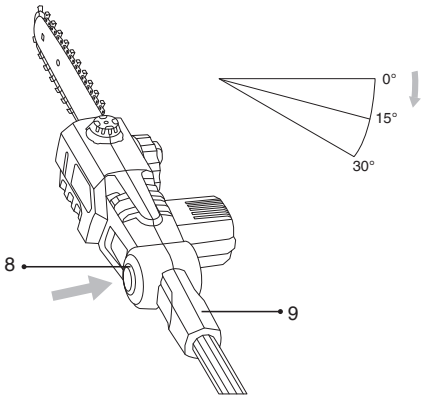
⚠ IMPORTANT!
Fill up, you must tighten the cap



7- To insert the battery pack, groove along the handle and insert in the full position, until the Battery Release Button(18) bounces back to normal position again.
To remove the battery pack, withdraw it from the tool while pulling the Battery Release Button(18) down.



8- Hold the Connecting rod 9 tightly. Slide the locking press button 8 up and then turn the work head to the desired position. Release the locking press button 8 again and check whether the work head is locked in place.



SAW CHAIN TENSION

⚠ WARNING!

Remove the battery from the pole saw before servicing. Severe injury or death could occur from body contact with a moving chain.

⚠ WARNING!

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

⚠ WARNING!

When cleaning saw body:

- do not submerge the saw in any liquids
- do not use products that contain ammonia, chlorine, or abrasives.
- do not use chlorinated cleaning solvents, carbon tetrachloride, kerosene, or gasoline.

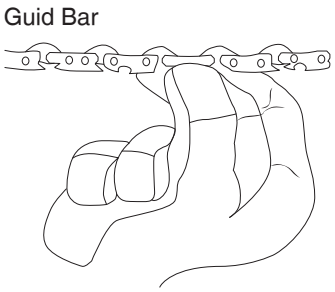
⚠ NOTE

The saw chain tension is properly set at the factory. A new chain will stretch. Check new chain tension frequently (after disconnecting the battery during the first 2 hours of operation. Allow the chain to cool down. Follow the steps below to check saw chain tension.)

1- Remove the battery from the chain saw.

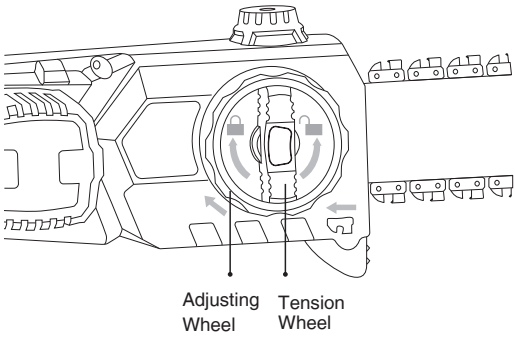
2- Place the chain saw on a firm surface to check chain tension.

3- Pull the chain with light force away from the bottom of the guide bar and release. If the chain lightly snaps back into place, the tension is correct.



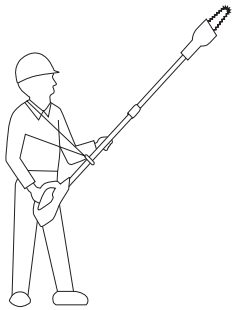
▪SAW CHAIN TENSION ADJUSTMENT

1- Loosen the tension wheel (5) before adjusting the chain.
2- Turn the adjusting wheel (6) until the slack is out of the chain.
3- Wearing protective gloves, pull down on the chain to check the chain tension.
4- Do not over-tension the chain. Over-tensioning will cause excessive wear and will reduce the life of the guide bar and chain. Over-tensioning also reduces the number of cuts per battery charge.
5- After the chain tension is correct, tighten the tension wheel (5) firmly.



▪CUTTING WITH THE CHAINSAW

1- Check that the battery of the chain saw is fully charged.
2- Attach the battery to the saw.
3- Use both hands to grip the pole saw. Use designated grip areas and strap when operating the pole saw. Use a firm grip.
4- Make sure your footing is firm. Keep feet apart. Divide your weight evenly on both feet.



5- When ready to make a cut, press in trigger lockout and squeeze the trigger. This will turn the pole saw on. Releasing the trigger will turn the pole saw off.
6- Remove the pole saw from a cut with the saw running at full speed.

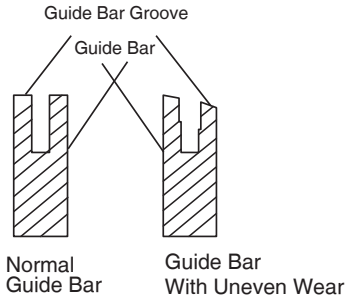
CLEANING AND MAINTENANCE

▪CLEANING SAW BODY

Keep saw body clean. Use a soft cloth dampened with a mild soap and water mixture. Wipe saw body to clean.

▪CARE OF GUIDE BAR

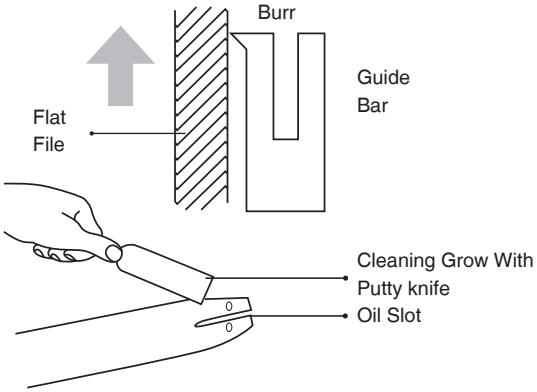
Uneven bar wear causes most guide bar problems. Incorrect sharpening of chain cutter and depth gauge settings often causes this. When the bar wears unevenly, it widens the guide bar groove. This causes chain clatter and rivet popping. Saw will not cut straight. Replace the guide bar if this occurs.
Inspect the guide bar before sharpening the chain. A worn or damaged guide bar is unsafe. A worn or damaged guide bar will damage the chain. It will also make cutting harder.



▪NORMAL GUIDE BAR MAINTENANCE

1- Remove the guide bar from the chainsaw.
2- Remove sawdust from the guide bar groove periodically. Use a putty knife or wire.

3- Clean oil slots after each day of use.
4- Remove burrs from the sides of the guide bar. Use a flat file to make the side edges square.
Replace the guide bar when:
- bar is bent or cracked.
- inside groove of the bar is badly worn.

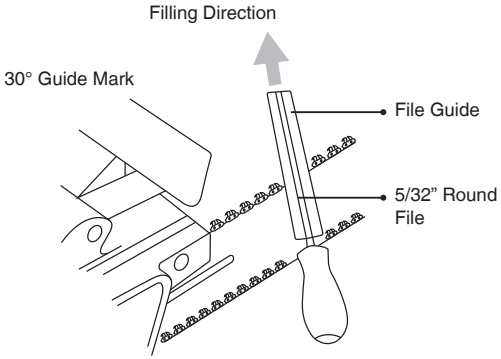


▪SHARPENING SAW CHAIN

Keep the 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 the chain into wood and cutting creates only sawdust with few large chips, the chain is dull.

▪SHARPENING CUTTERS

Use the file guide for 30° filing.
1- Adjust the chain for proper tension.
2- Clamp the guide bar in the vise to hold the saw steady. (Note: Do not clamp chain.)
3- Press the round file into the groove between the top plate and the depth gauge on the chain. The file guide should rest on both the top plate and the depth gauge. (Note: File at the midpoint of the guide bar.)



⚠ NOTE

This illustration shows file guide placement and filing directions for sharpening cutters on the left side of the chain.

4- Hold file guide level. Make sure the 30° mark on the file guide is parallel to the center of the guide bar This will insure that your file cutters are at a 30° angle.

5- File from inside towards outside of the cutter until sharp. Only file in this one direction (Note: Two or three strokes with the file should sharpen the cutter.)

▪REPLACING SAW CHAIN

IMPORTANT: Do not clamp the chainsaw in the vise to replace the saw chain or guide bar.

Replace the chain when cutters are too worn to sharpen or when the chain breaks. Only use the replacement chain noted in this manual. Always include new

1- Loosen the tension wheel.

2- Remove the sprocket cover, tension wheel, and adjusting wheel

3- Remove the saw chain.

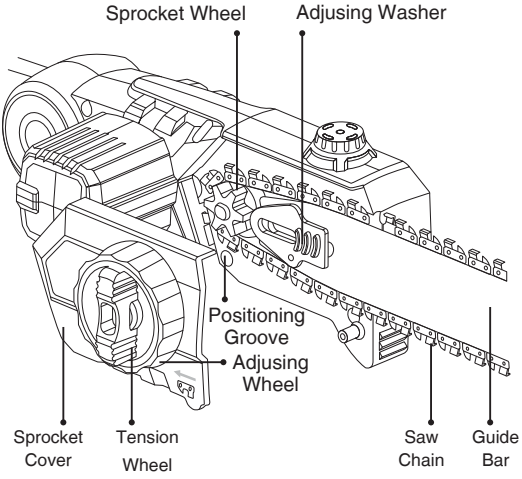
4- Place a new chain around the drive sprocket, along the top groove of the guide bar, and around the guide bar nose. Note: Make sure about the cutting edges of the chain.

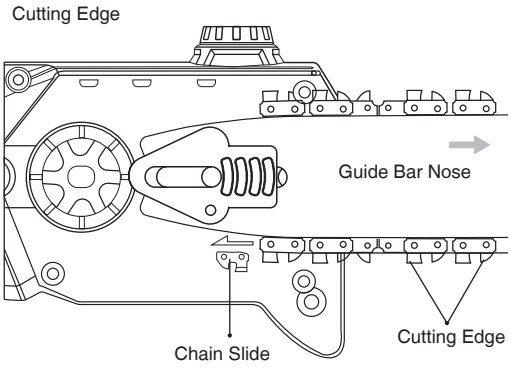
5- Place the sprocket cover into the Positioning groove.

6- Locking the sprocket cover with a tension wheel.
(IMPORTANT: Do not spin very tight.)
7- Adjust chain tension.
8- Securely tighten the tension wheel.

⚠ CAUTION!

Do not place the chain on the saw backward. If the chain is backward, the saw will vibrate badly and will not cut.





STORAGE & MAINTENANCE

- Store the device and its accessories in a dark, dry, and frost-proof place that is inaccessible to children. The optimum storage temperature is between 5 and 30˚C.
- Store the electrical tool in its original packaging.
- Cover the electrical tool to protect it from dust and moisture.
- Store the operating manual with the electrical tool.

Ronix
Ronix
Ronix
Ronix

www.ronixtools.com