

RYOBI®

ORIGINAL INSTRUCTIONS

18V ONE + Cordless Pole Pruner

RPP1820Li

OPP1820



Important!

It is essential that you read the instructions in this manual before operating this machine.

Subject to technical modifications.



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 tool or battery-operated (cordless) power tool.

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.

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.

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 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, clothing and gloves 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.

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 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 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.

BATTERY TOOL USE AND CARE

- **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 any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or fire.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact.** If contact accidentally occurs, flush with plenty of soap and water. If liquid contacts eyes, immediately seek medical help. Liquid ejected from the battery may cause irritation or burns.

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.

SPECIFIC SAFETY RULES

PREPARATION

- Local regulations may restrict the use of the machine. Check with the local authorities before use.
- Inspect the unit before use. Replace any damaged parts. Check for battery pack leaks.
- Never attempt to use an incomplete machine or one fitted with an unauthorised modification. If any parts are missing, do not operate the unit until the missing parts are replaced.

OPERATION

- It has been reported that vibrations from hand-held tools may contribute to a condition called Raynaud's Syndrome in certain individuals. Symptoms may include tingling, numbness and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking and work practices are all thought to contribute to the development of these symptoms. It is presently unknown what, if any, vibrations or extent of exposure may contribute to the condition. There are measures that can be taken by the operator to possibly reduce the effects of vibration:
 - Keep your body warm in cold weather. When

operating the unit wear gloves to keep the hands and wrists warm. It is reported that cold weather is a major factor contributing to Raynaud's Syndrome.

- After each period of operation, exercise to increase blood circulation.
- Take frequent work breaks. Limit the amount of exposure per day.

If you experience any of the symptoms of this condition, immediately discontinue use and see your physician about these symptoms.

- For prolonged tool life and safe operation, the recommended cutting capacity of this product is 101 mm (4 in.) and smaller. Cutting logs with a diameter larger than this will cause excess wear on your tool. The product can cut logs with a maximum diameter of 153 mm (6 in.), but should only be done rarely and with caution.
- Any power tool is potentially lethal if used inappropriately. It is strongly suggested that you seek professional training in the safety and use of this tool.
- Do not use the machine in any position that causes any part to come within 10 m of overhead electrical lines.
- Remove branches in sections. Do not operate in dangerous positions. Beware of falling branches or those rebound after hitting the ground.
- Wear head and eye protection to prevent injury from falling debris.
- Keep a firm footing and balance during operation. Operate the unit using the harness supplied. Make sure it is adjusted to a suitable size.
- Keep a firm grip on the pruner handles at all time. Kickback may occur when the moving saw chain at the nose of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut. In some cases, this may cause fast reverse action, kicking the unit up and back or down and back towards the operator. The operator can lose control of the device, and that could result in serious personal injury.
- Keep all parts of the body away from the cutting device. Do not remove cut material or hold material to be cut when the chain is moving.
- If the machine strikes or becomes entangled with foreign objects, stop the unit immediately, remove the battery pack and check for damage. Do not operate the unit with loose or damaged parts.
- When transporting or storing the unit, always fit the transport guard over the cutting chain and bar.
- Secure the unit during transport to prevent damage or injury.
- Always be aware of your surroundings and stay alert for possible hazards that you may not hear due to the noise of the machine.

MAINTENANCE

- Make sure that the chain tension is correctly adjusted as specified in these instructions. Incorrect tension may



cause the chain to disengage from the guide bar, which could result in injury.

- Follow instructions for lubrication, chain tensioning and chain sharpening. Improper chain maintenance increases the potential of kickback. Failure to replace or repair damaged chain can cause serious injury.
- When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.
- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.
- Keep handles dry, clean, and free from oil and grease. Greasy, oily handles are slippery and can cause the loss of control.
- Store the unit in a dry place, either locked up or up high to prevent unauthorised use or damage. Keep out of the reach of children or untrained individuals.

RESIDUAL RISKS

Even with the intended use of the appliance, there is other risk which cannot be prevented. According to the type and construction of the appliance, the following potential hazards might happen:

- Contact with exposed saw teeth of the saw chain (cutting hazards).
- Unforeseen, abrupt movement or kickback of the guide bar (cutting hazards).
- Parts flung out from the saw chain (cutting hazards).
- Material flung out from the cutting process or falling branches.
- Inhalation of wood particles or dust.
- Skin contact with the fuel oil.
- Loss of hearing, if no ear protection is used during work.

INTENDED USE

- This product is intended for cutting and pruning of small limbs and branches which are high in the tree whilst the operator maintains a steady footing on the ground.
- It is not intended to be used whilst climbing or as a conventional chainsaw for close quarter limbing and pruning of material at ground level.

ADDITIONAL SAFETY WARNINGS

WARNING

The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

ENVIRONMENTAL PROTECTION



Recycle raw materials instead of disposing of as waste. The machine, accessories and packaging should be sorted for environmental-friendly recycling.

SYMBOL



Warning



Read the instruction manual.



Do not expose to rain or damp conditions.



Electrical hazard. Keep at least 10 m away from the overhead lines.



Keep bystanders at least 15m away.



Wear non-slip, heavy-duty protective gloves when handling the pole saw and the blade.



Wear slip-resistant foot wear.



Appropriate ear, eye, and head protection must be worn.



Guaranteed sound power level is 94 dB.



Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements.



ICONS IN THIS MANUAL



Safety



Unpacking



Getting started



Overview



Operation



Maintenance



Safety alert



Connect battery



Disconnect battery



Go to page #



Information



Lock



Unlock



Wear safety gloves



Bar and chain lubricant



Tip



Dispose of replaceable part or accessory



Parts or accessories sold separately

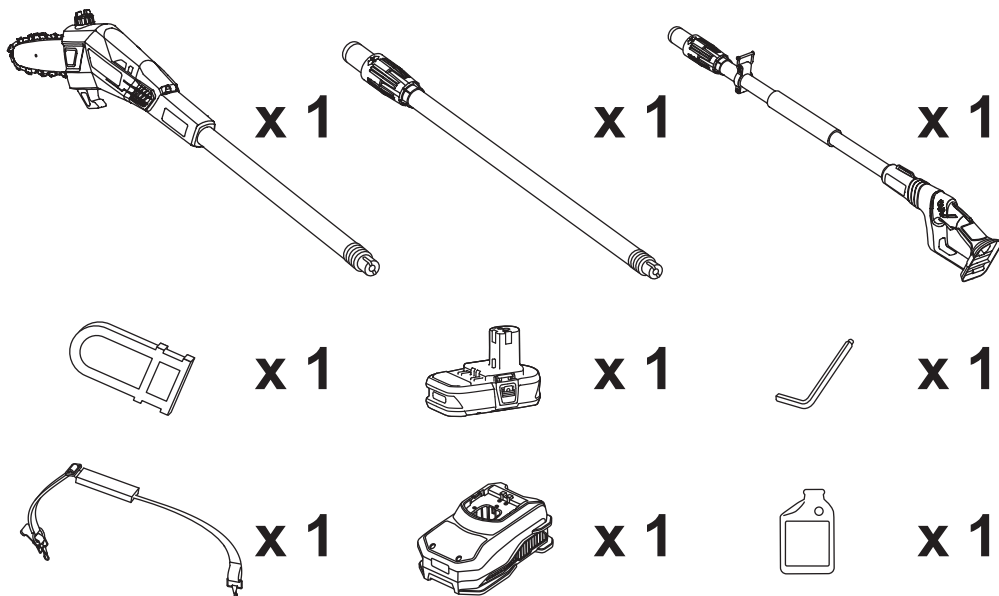


Do not touch moving saw chain

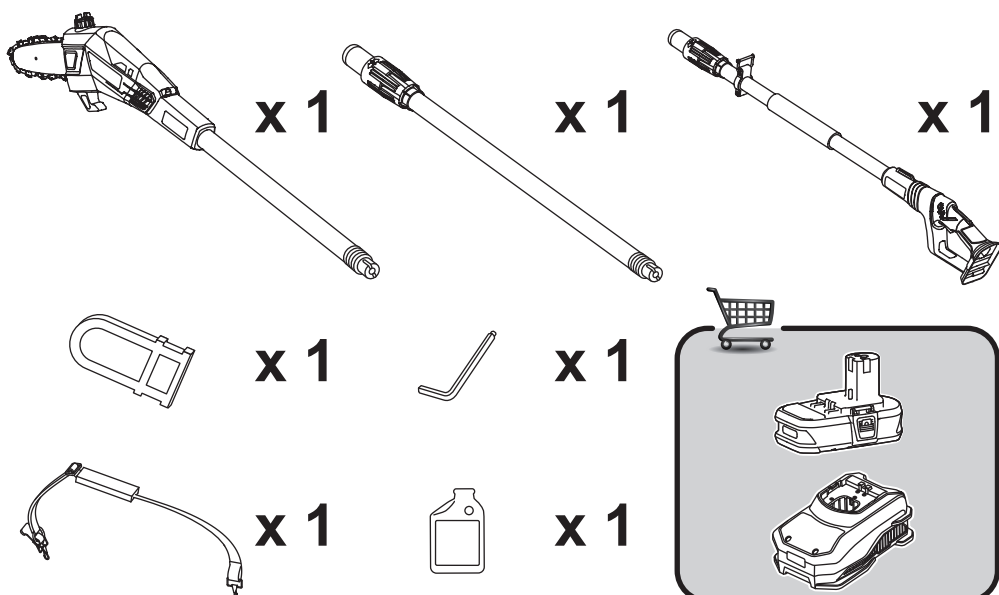


Unpacking

RPP1820Li

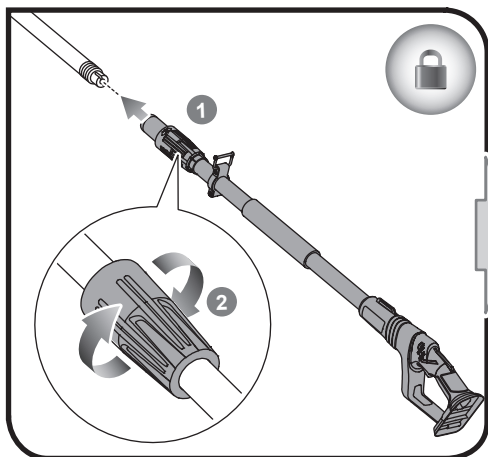


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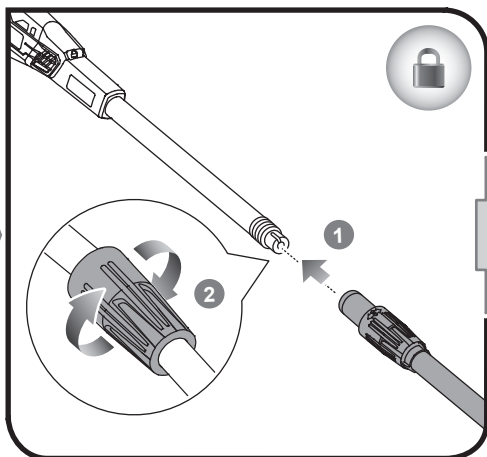




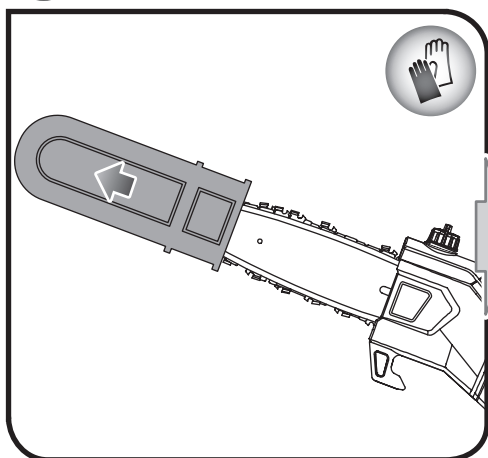
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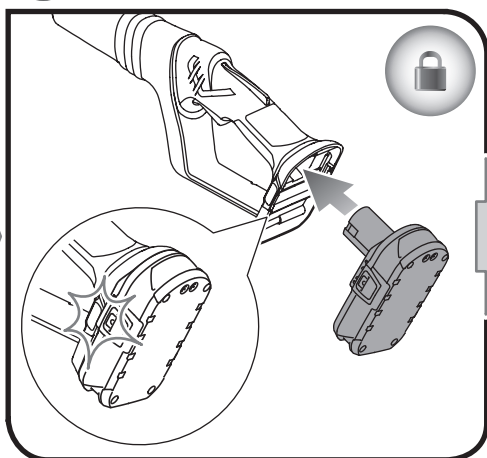
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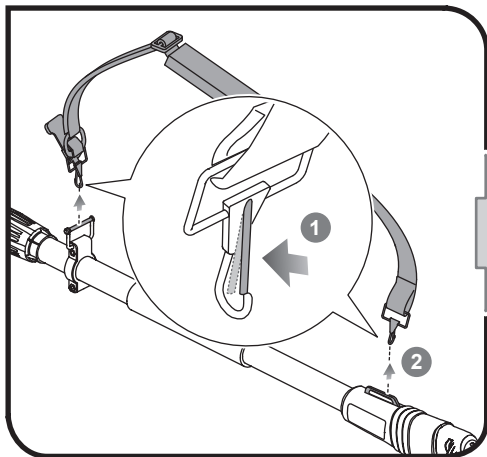


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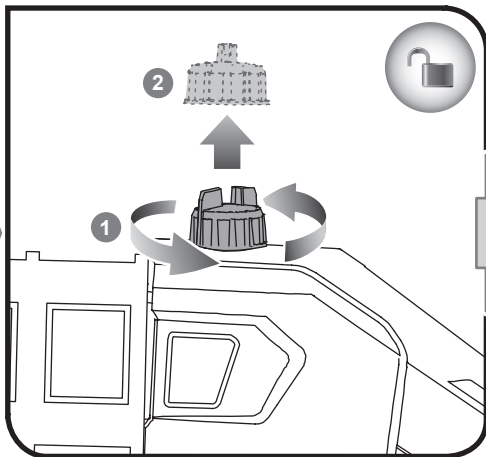




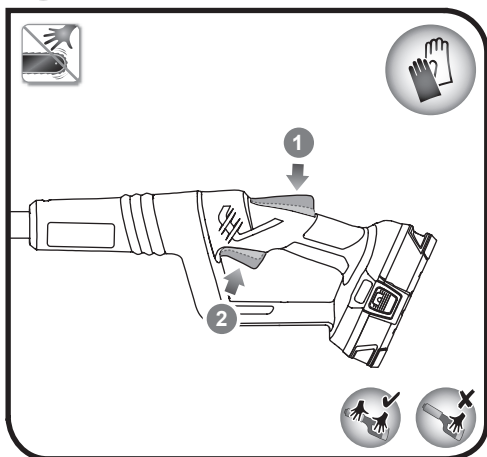
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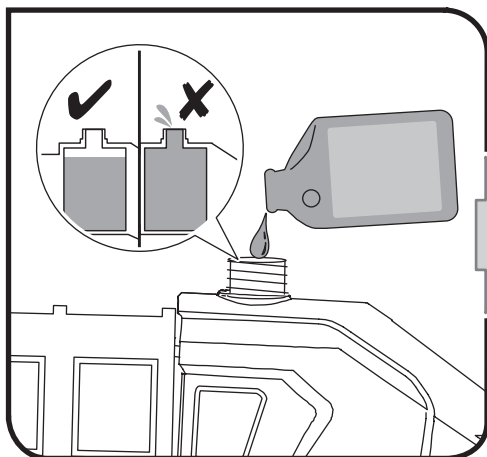


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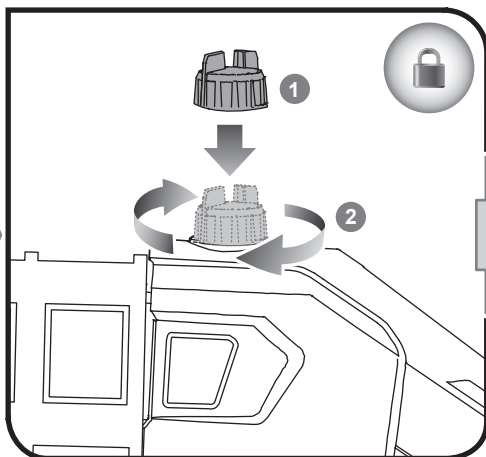


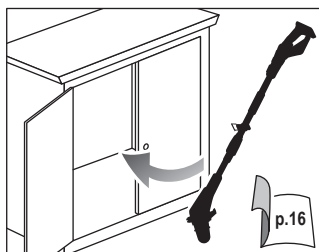
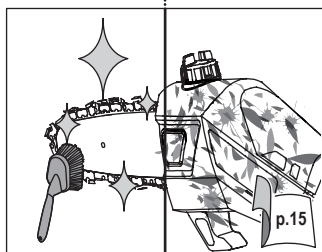
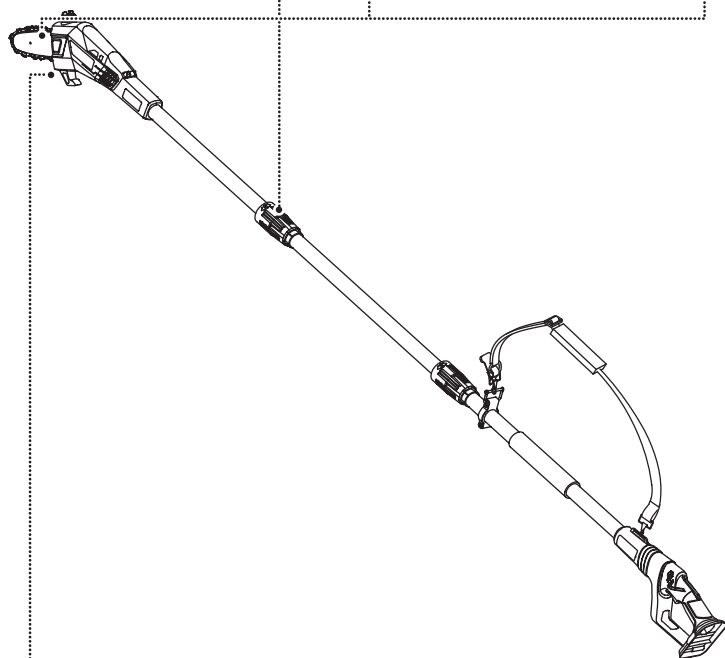
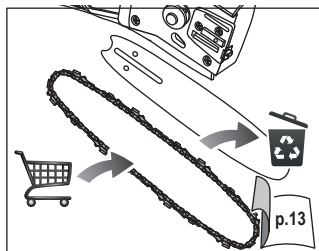
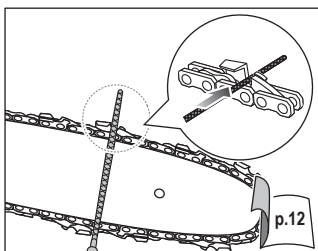
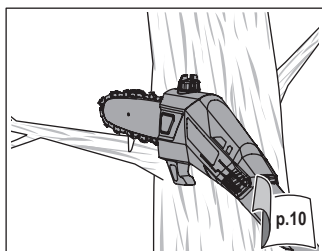


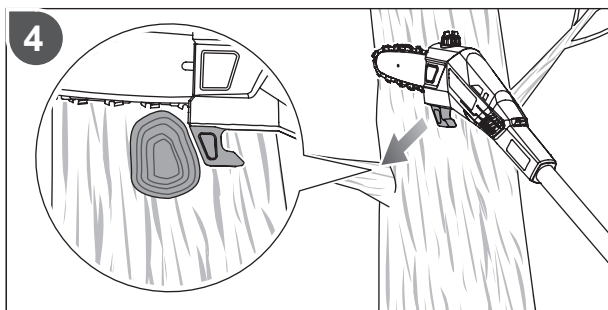
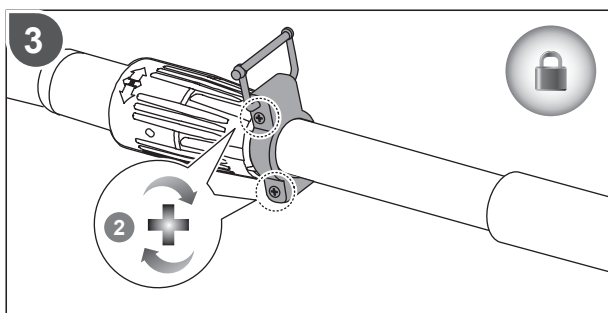
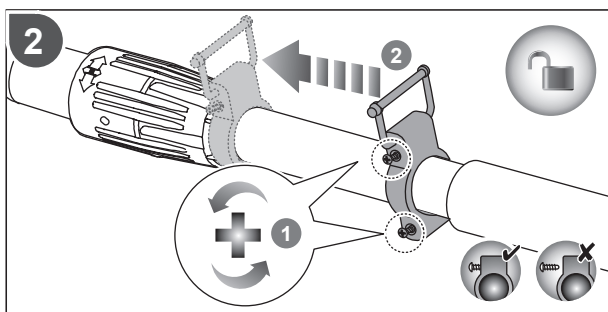
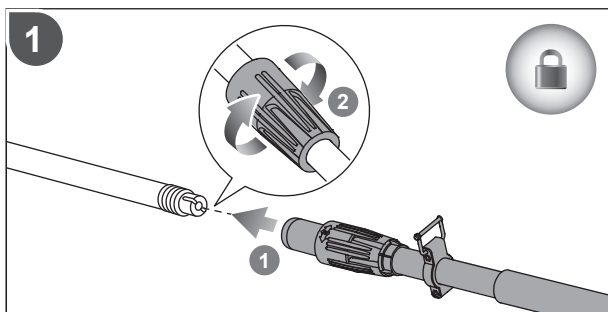
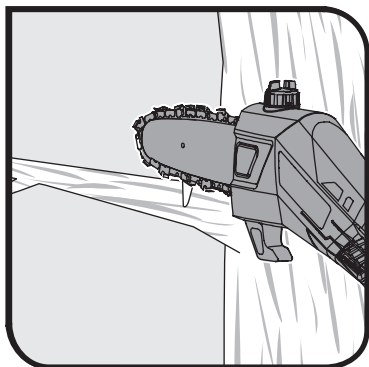
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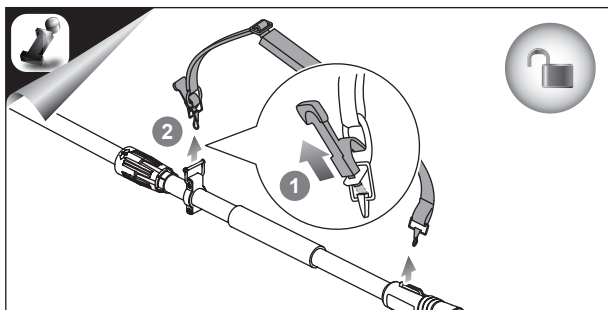
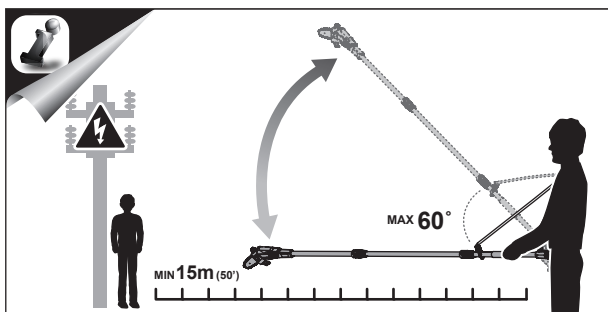
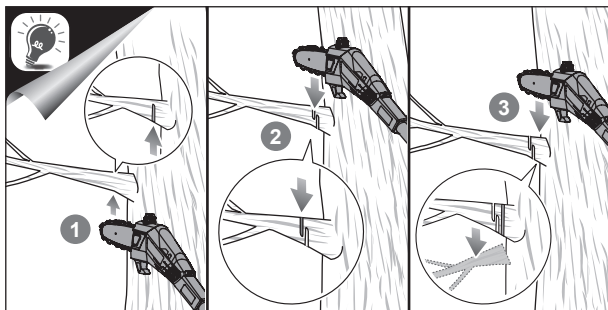


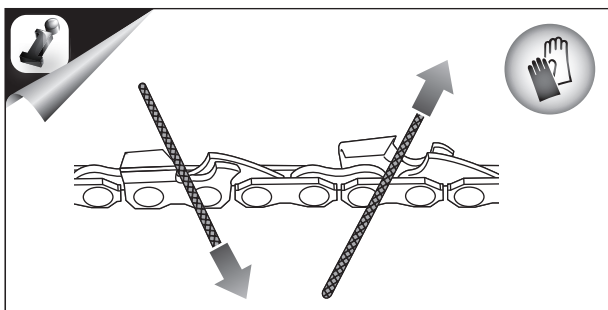
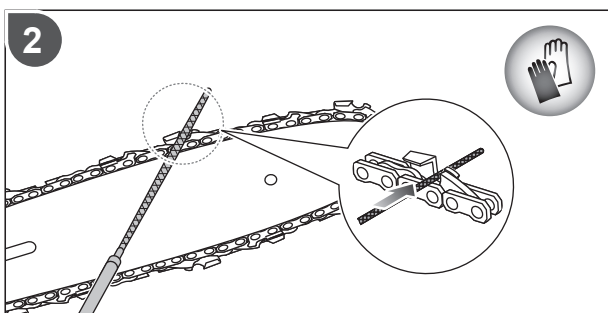
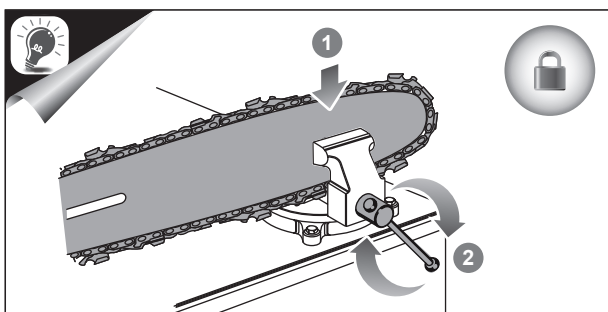
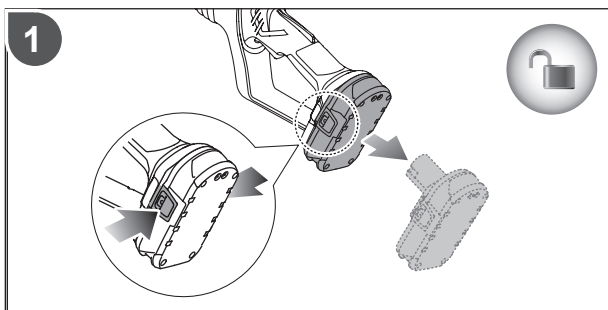
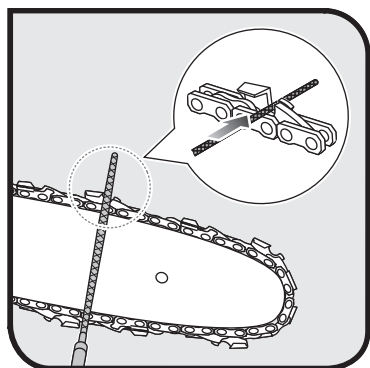
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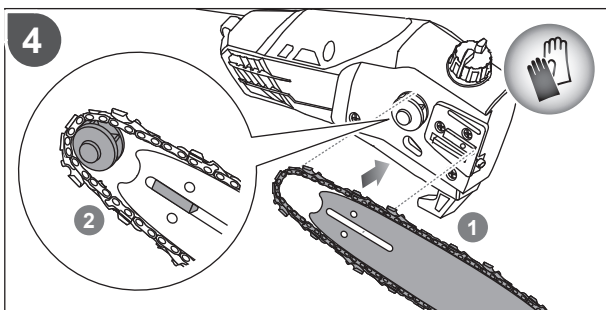
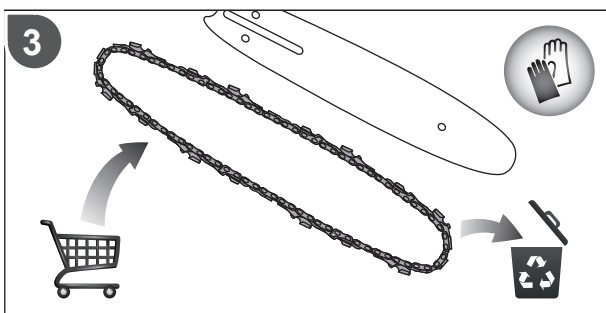
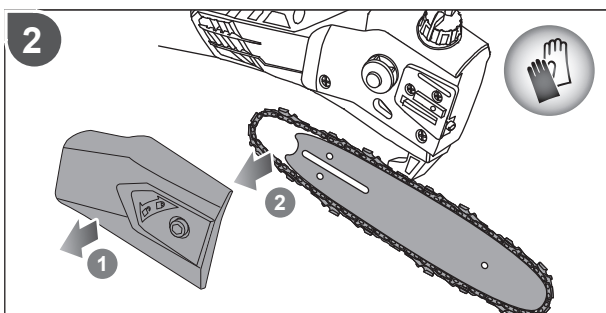
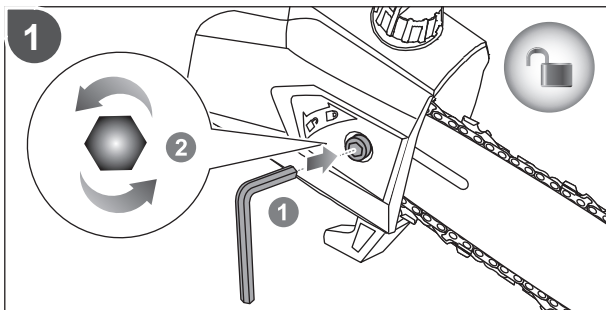
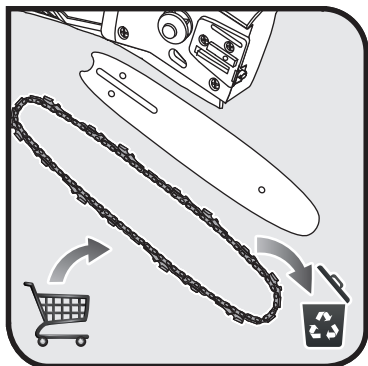


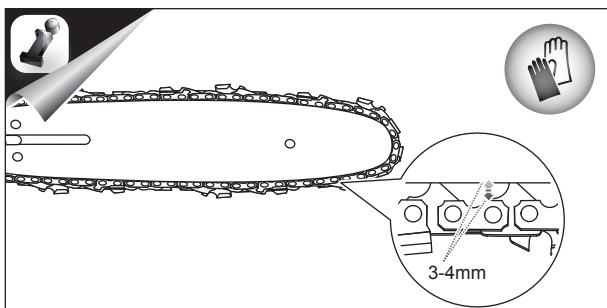
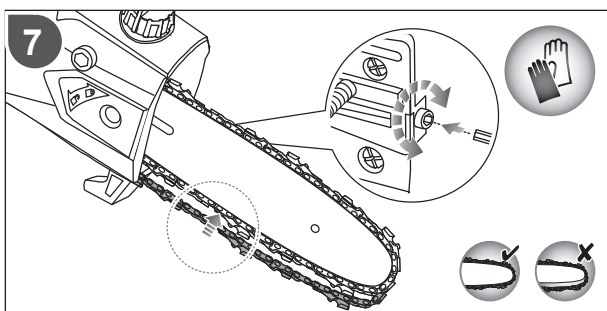
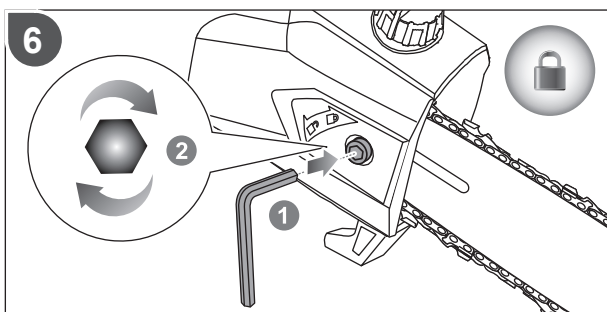
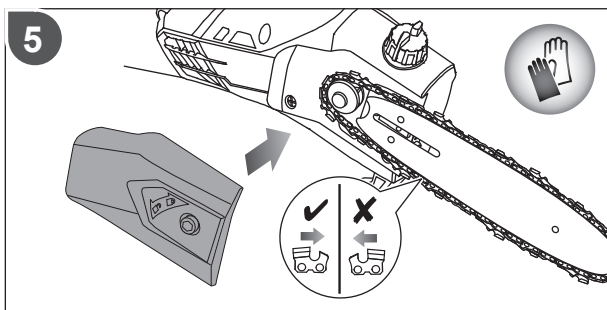






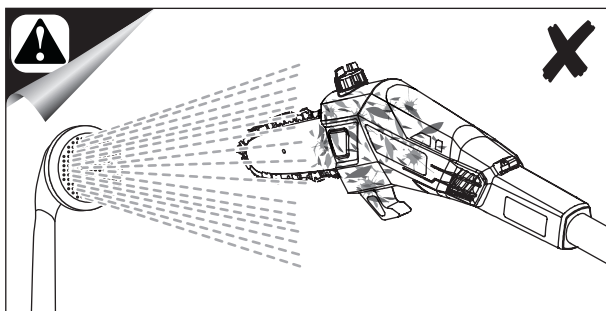
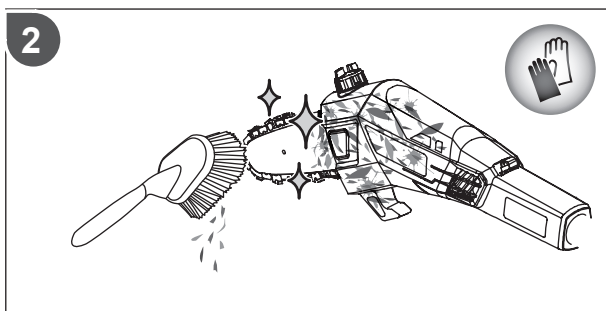
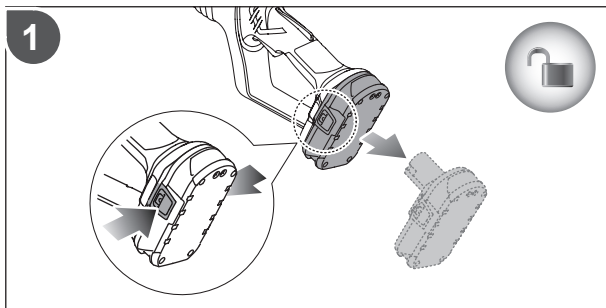
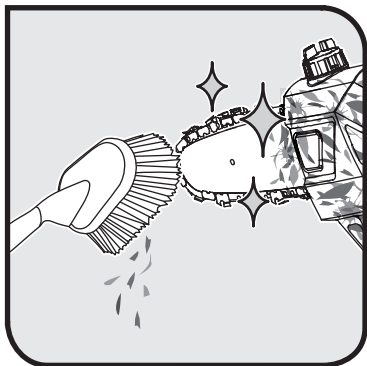


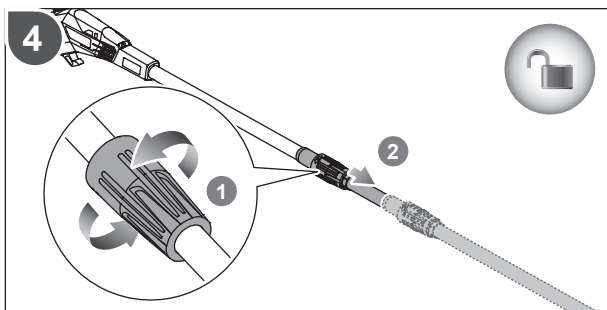
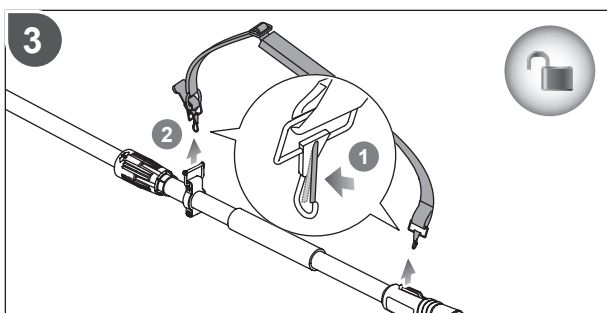
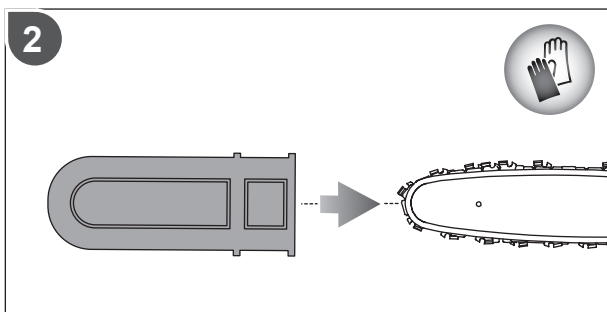
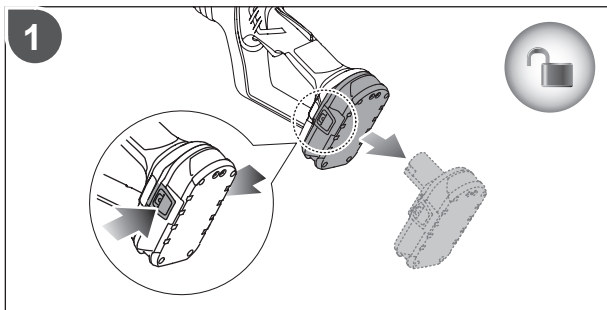


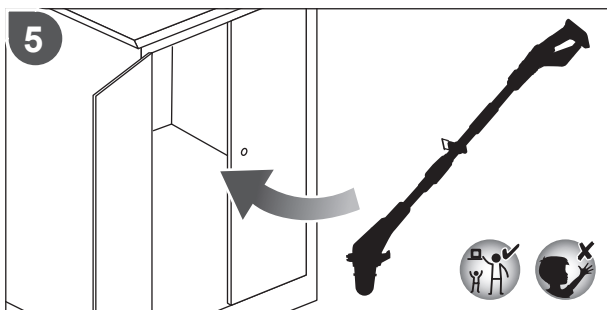




Maintenance







PRODUCT SPECIFICATIONS

Model	OPP1820	RPP1820Li
Voltage	18V	
No load chain speed	5.5 m/s ²	
Bar length	200 mm / 8 inch	
Chain pitch	3/8 inch	
Chain gauge	0.043 inch	
Chain drive links	33	
Chain type	Low profile skip tooth narrow kerf	
Weight with battery pack	4.2 kg	
Measured sound pressure level	Lpa: 83.4 dB(A) K = 3	
Measured sound power level	Lwa: 90.3 dB(A) K = 3	
Vibration level	ah ≤2.5 m/s ² K = 1.5	

NOTE:

- The declared vibration value has been measured with a standard test method and may be used to compare one tool with another.
- The declared vibration value may be used in a preliminary assessment of exposure.

WARNING

The vibration level during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used. Identify safety measures to protect yourself based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

BATTERY AND CHARGER

Model	OPP1820	RPP1820Li
Battery Pack	Not included	BPL-1815
Charger	Not included	BCL14181H
Compatible Battery Packs	BPL-1820 / BPL-1815	
Compatible Charger	BCL1418 / BCL14181H / BCL14183H	

CHAIN AND BAR INFORMATION

Manufacturer	Oregon	Tri-link
Saw Chain Model	90JG033X	CL14333XPB
Guide Bar Model	084LNEA318	M1430833-1041HL

NOTE: Chain must be fitted with bar from the same manufacturer according to above combinations.

ADDING CHAIN AND BAR LUBRICANT

Use Ryobi bar and chain lubricant. It is designed for chains and chain oilers, and is formulated to perform over a wide temperature range with no dilution required.

NOTE: Do not use dirty, used, or otherwise contaminated lubricants. Damage may occur to the oil pump, bar, or chain.

GREASE IN THE GEARBOX

Use high temperature and high velocity compound grease in the gearbox.



Techtronic Industries (Australia) Pty. Ltd.
Level 1, 660 Doncaster Road
Doncaster, VIC 3108, Australia

Techtronic Industries New Zealand Ltd.
18-26 Amelia Earhart Avenue
Mangere, Auckland 2022, New Zealand