



R18XSEC20



IMPORTANT!

It is essential that you read the instructions in this manual before assembling, operating, and maintaining the product.

Subject to technical modification.

Safety, performance, and dependability have been given top priority in the design of your cordless secateurs.

INTENDED USE

The cordless secateurs are designed for cutting and pruning small wood limbs and branches with a diameter of up to 28 mm (softwood) and 23 mm (hardwood). Do not cut branches with diameters that are greater than these values. Do not use the product for any other purpose.

GENERAL PRODUCT SAFETY WARNINGS

⚠ WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

Save all warnings and instruction for future reference.

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

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 injury.
- **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 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.
- **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.

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 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.
- **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.

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 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.
- **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130°C may cause explosion.
- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

SERVICE

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that safety of the power tool is maintained.
- **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorised service providers.

CORDLESS SECATEURS SAFETY WARNINGS

⚠ DANGER! Keep hands away from the blade. Contact with the blade will result in serious personal injury.

- Save these instructions. Refer to them frequently, and use them to instruct others who may use the product. If you loan someone the product, loan them these instructions also to prevent misuse of the product and possible injury.
- Never allow children, persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge, or people who are unfamiliar with these instructions to use the product. Local regulations may restrict the age of the operator.

- Do not operate the product in poor lighting. Use the product only in daylight or good artificial light.
- To reduce the risk of injury associated with contacting moving parts, always turn off the product, remove the battery pack, and make sure that all moving parts have come to a stop:
 - before clearing a blockage
 - before checking, cleaning, or working on the product
 - before changing accessories
 - before leaving the product unattended
 - before performing maintenance
- Keep the product clean of clippings and other materials. They may become lodged between the jaw and blade.
- Keep the area clear of all bystanders, children, and pets while operating the product.
- When cutting a limb under tension, be alert for springback so that you will not be struck when the tension in the wood fibres is released.
- Maintain the product with care. Keep the cutting edge sharp and clean for best performance and to reduce the risk of injury. Follow the instructions for lubricating and changing accessories.
- Before using the product, check for damaged parts and press the trigger to ensure that the blades open and close correctly. Before further use of the product, any part that is damaged must be carefully checked to determine that it will operate properly and perform its intended function. Keep hands away from the blade.
- Keep your body warm in cold weather. When operating the product, wear gloves to keep the hands and wrists warm. It is reported that cold weather is a major factor contributing to Raynaud's Syndrome.
- Injuries may be caused, or aggravated, by prolonged use of a tool. When using any tool for prolonged periods, ensure that you take regular breaks.
- If the blade is stuck in a branch during operation, do not twist the blade. Turn off the product and pull the blades straight out slowly from the branch.
- Cut branches one by one.
- Never hold the branch you are pruning with your free hand. Keep hands and any other part of the body away from the cutting area. Never touch the blades to avoid injuries.
- Do not grasp the exposed cutting blades when picking up or holding the product.
- Do not use the product in rain or snow.
- Do not use the product to cut wires.
- Do not cut where there is a risk of hidden wiring.
- Operate the product only in temperatures between 0°C and 40°C.
- Store the product in a location where the ambient temperature is between 0°C and 40°C.

ADDITIONAL BATTERY SAFETY WARNINGS

- To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse the tool, battery pack, or charger in fluid or allow fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

- Charge the battery pack in a location where the ambient temperature is between 10°C and 38°C.
- Store the battery pack in a location where the ambient temperature is between 0°C and 20°C.
- Use the battery pack in a location where the ambient temperature is between 0°C and 40°C.

TRANSPORTATION AND STORAGE

- Turn off the product, remove the battery pack, and allow both to cool before storing or transporting.
- Remove all foreign materials from the product. Install the blade cover.
- For transportation in a vehicle, secure the product against movement or falling to prevent injury to persons or damage to the product.
- Store the product in a cool, dry, and well-ventilated place that is inaccessible to children. Keep the product away from corrosive agents such as garden chemicals and de-icing salts. Do not store the product outdoors.

TRANSPORTING LITHIUM BATTERIES

Transport the battery in accordance with local and national provisions and regulations. Follow all special requirements on packaging and labelling when transporting batteries by a third party.

Ensure that no batteries can come in contact with other batteries or conductive materials while in transport by protecting exposed connectors with insulating, nonconductive caps or tape. Do not transport batteries that are cracked or leaking. Check with the forwarding company for further advice.

MAINTENANCE

- Use only original manufacturer's replacement parts, accessories, and attachments. Failure to do so can cause possible injury, can contribute to poor performance, and may void your warranty.
- Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. Have the product serviced by an authorised service centre only. When servicing, use only original replacement parts.
- After each use, remove the battery pack and clean the body and handles of the product with a soft, dry cloth. Any part that is damaged should be properly repaired or replaced by an authorised service centre.
- After each use, clean the debris from the blades with a stiff brush, and then use a disinfectant wipe to clean the blades. Carefully apply a rust-preventative lubricant. Use a recommended rust-preventative lubricant spray to apply an even distribution and reduce the risk of personal injury from contact with the blades. For information about suitable spray products, check with your local authorised service centre.
- You may make adjustments and repairs described in this manual. For other repairs, contact an authorised service centre.
- Check all nuts, bolts, and screws at frequent intervals for proper tightness to ensure that the product is in safe working condition.
- 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, or grease. Do not at any time let brake fluids, gasoline, petroleum-based products, or penetrating oils come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic, resulting in serious personal injury.

NOTE: To ensure long and reliable service, carry out the following maintenance regularly:

- Check for obvious defects, such as loose, dislodged, or damaged blades; loose fixings; and worn or damaged components.
- Visually check the condition of the cutting edges of the cutting blade. Replace the blade when worn or damaged.
- To avoid serious personal injury, always remove the battery pack from the product when cleaning or performing any maintenance. Ensure that the cutting mechanism has stopped before setting the product down and storing the product.

SYMBOLS ON THE PRODUCT



Safety alert



Read and understand all instructions before operating the product. Follow all warnings and safety instructions.



Wear head and eye protection.



Do not expose the product to rain or damp conditions.



To prevent serious injury, do not touch the cutting blades.



Beware of thrown or flying objects. Keep all bystanders, especially children and pets, at least 15 m away from the operating area.



Visible radiation, instructional safeguard



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



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

SYMBOLS IN THIS MANUAL



Parts or accessories sold separately



Note

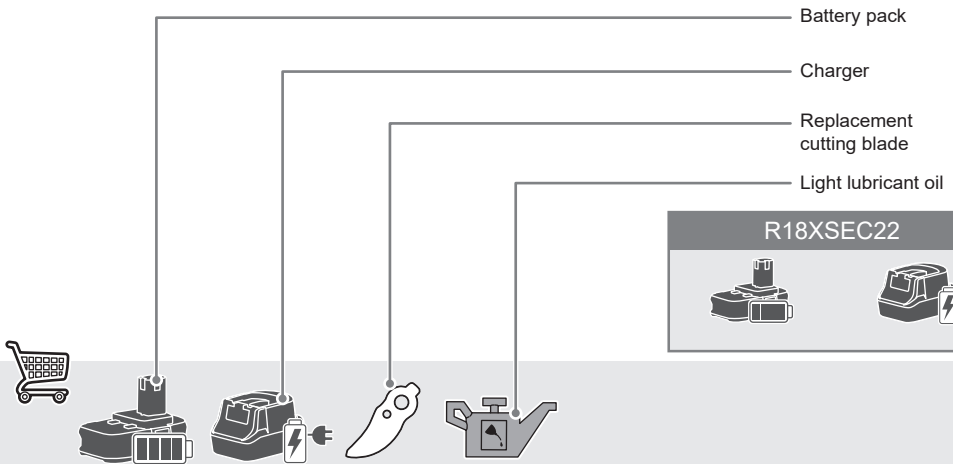
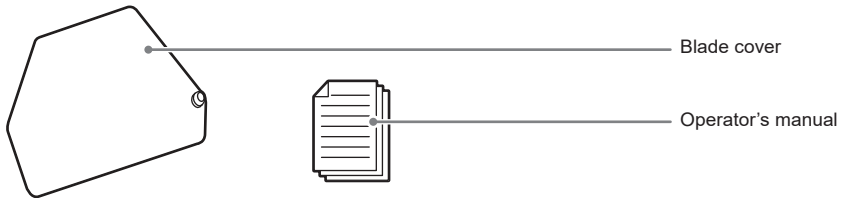
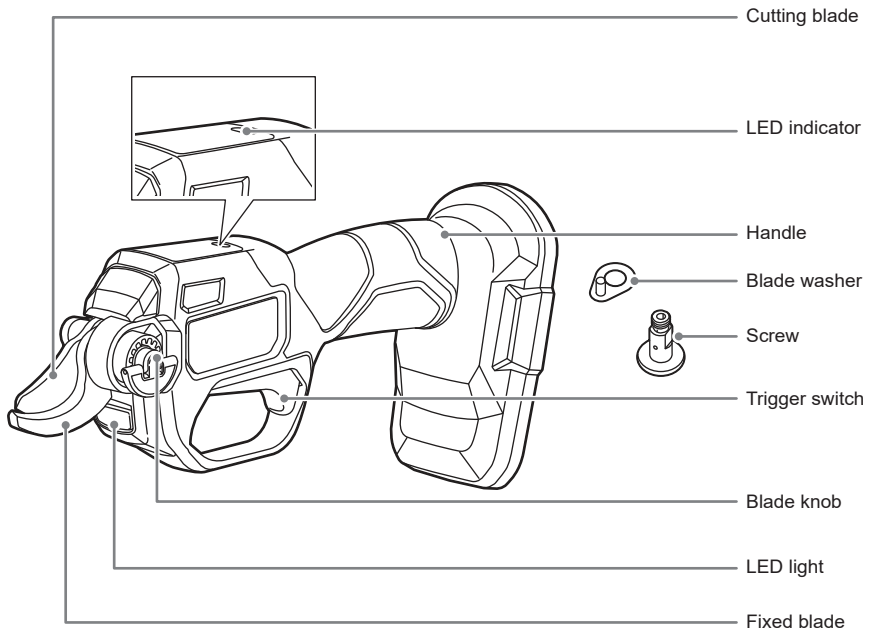


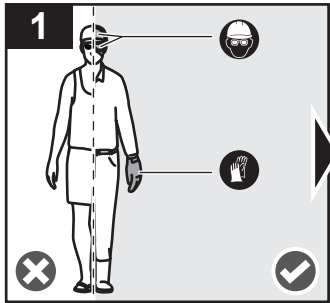
Warning

LED INDICATIONS

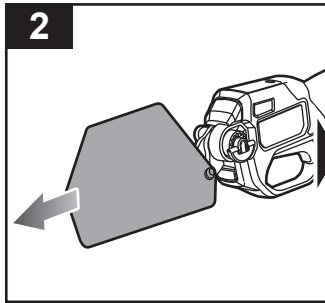
LED INDICATOR	SOUND	STATUS
On (green)	1 beep	The product is on.
Flashing (red)	Continuous beep until the blades open	The product is jammed. The cutting blades open. Once the flashing of the LED and the beep tone stops, operation may be resumed.
Off (green)	1 beep before LED turns off	The product has been inactive for 30 seconds and is going into sleep mode.
3 flashes (red)	3 beeps (every 2 seconds until the product goes into sleep mode)	Over-temperature protection is activated. Wait for 5-10 minutes or until the product has cooled down before resuming operation.
Off	2 beeps	The product is off.
Flashing (red)	5 beeps	The product has made 2,000 cuts. Check the quality of the blades.

R18XSEC20

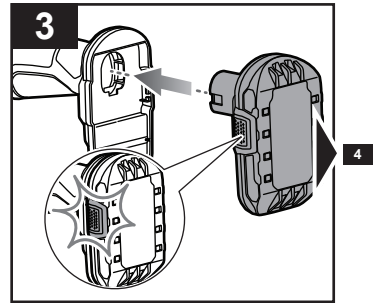




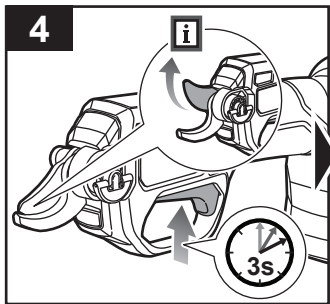
Always wear head and eye protection. Wear non-slip, heavy-duty protective gloves.



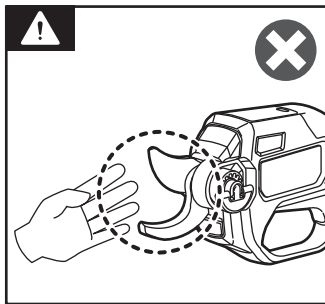
Remove the blade cover.



Install the battery pack. Make sure that the latches on the battery pack click into place.

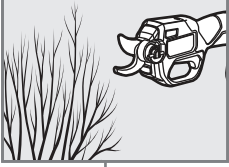


Press and hold the trigger switch for 3 seconds to turn on the product and open the cutting blade. The LED indicator turns on.

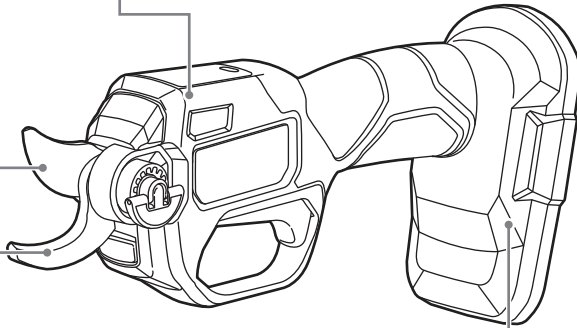
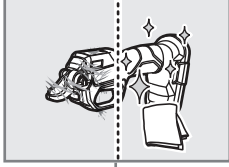


WARNING: Keep bare hands away from the blades. Contact with the blades will result in serious personal injury.

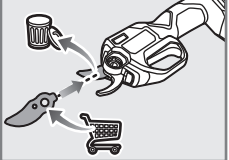
Operating the product **p.9**



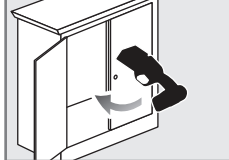
Cleaning the product **p.12**

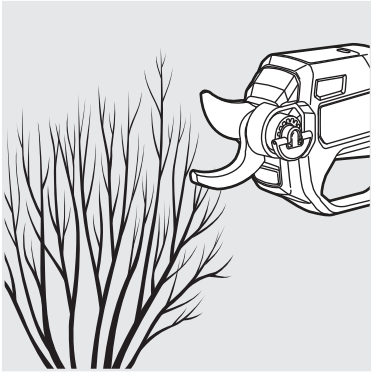


Replacing the cutting blade **p.11**



Storing the product **p.13**



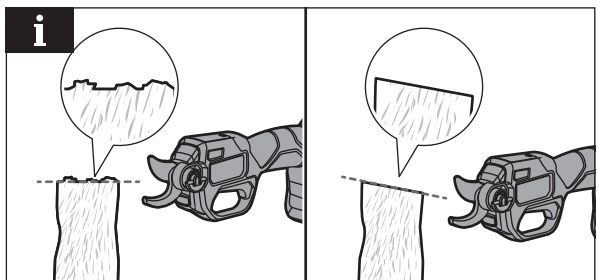
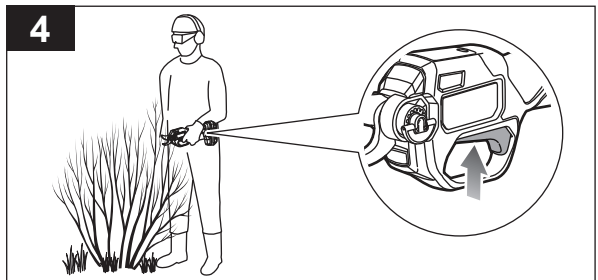
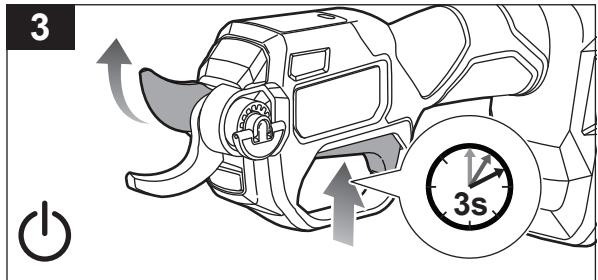
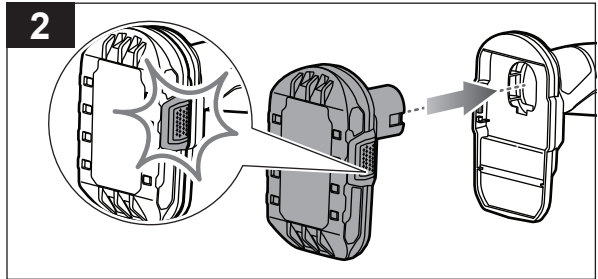
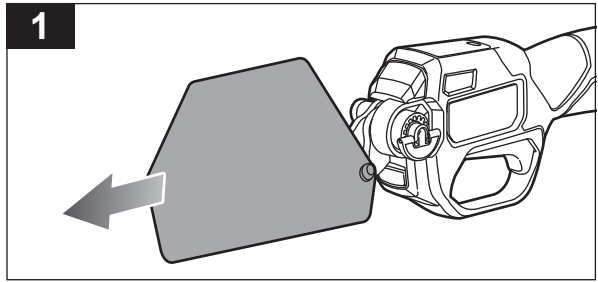


OPERATING THE PRODUCT

1. Remove the blade cover.
2. Install the battery pack. Make sure that the latches on the battery pack click into place.
NOTE: Always close the blades when turning off the product after use. Never leave the product unattended while the battery pack is inserted.
3. Press and hold the trigger switch for 3 seconds to turn on the product and open the cutting blade. The LED indicator turns on.
4. Press and release the trigger switch to cut off a branch.

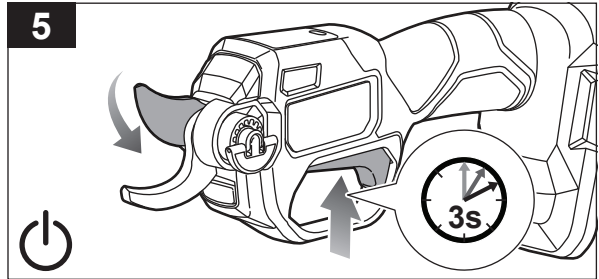
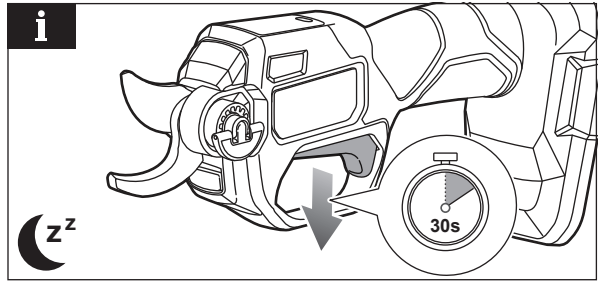
NOTE: Cut at an angle for a cleaner cut.

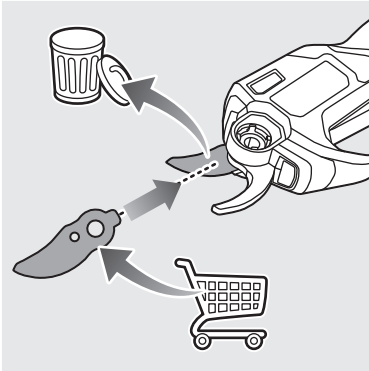
WARNING: The temperature of the product may rise, and over-temperature protection may be activated when cutting very dry or hard materials. Wait for 5-10 minutes or until the product has cooled down before resuming.



NOTE: The product goes into sleep mode if the trigger switch is not pressed for more than 30 seconds. The LED indicator turns off. Press and hold the trigger switch for 3 seconds to wake the product.

5. Press and hold the trigger switch for 3 seconds to turn off the product and close the cutting blade. The LED indicator turns off.



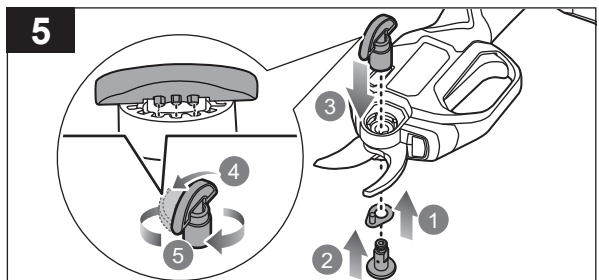
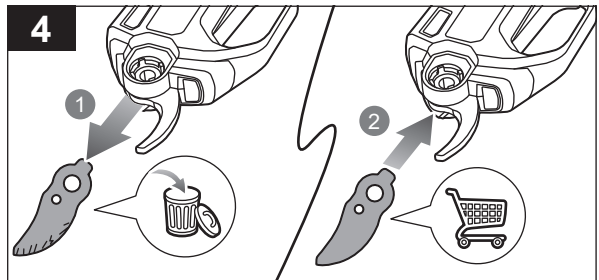
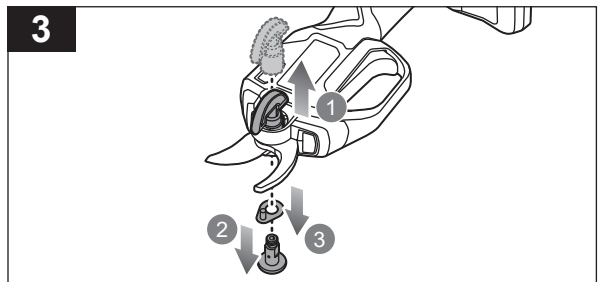
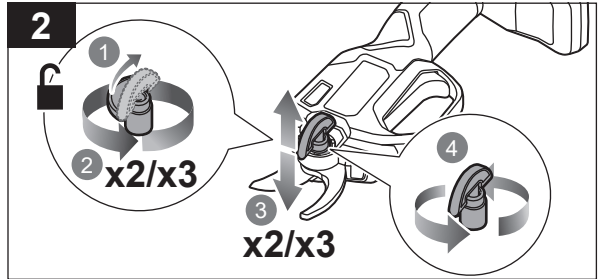
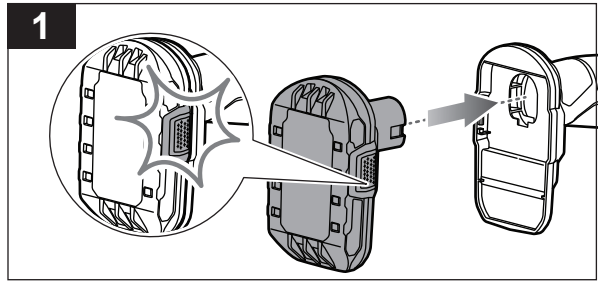


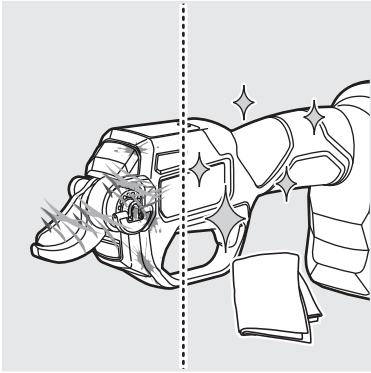
REPLACING THE CUTTING BLADE

1. Press the latches on the battery pack to remove it from the product.
2. Flip up and turn the blade knob counterclockwise 2-3 times to loosen it. Nudge the blade knob up and down 2-3 times until the screw pops out. Turn the blade knob counterclockwise again.
3. Remove the blade knob, screw, and blade washer.
4. Remove the used cutting blade, and dispose of it properly. Install the new cutting blade.
5. Reinstall the blade washer, screw, and blade knob. Turn the blade knob clockwise and flip it down to secure it.

NOTE: Make sure to hold the screw in place while turning the blade knob. Make sure to align the teeth of the blade knob with the ring gear before flipping it down.

NOTE: Do not overtighten the blade knob. The torque setting is 0.45-0.6 Nm.



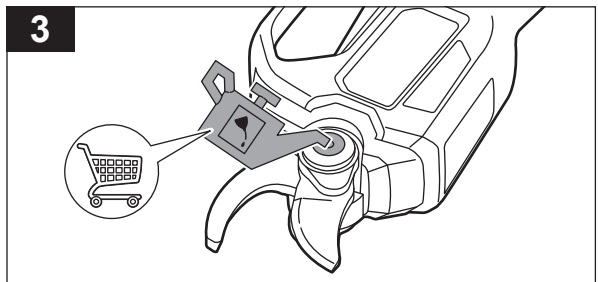
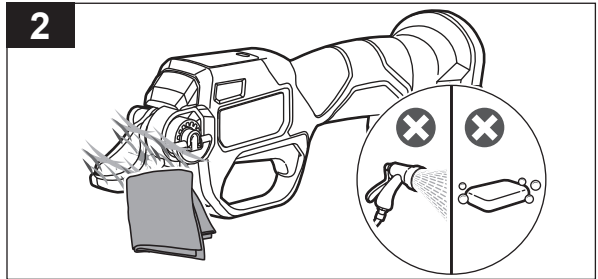
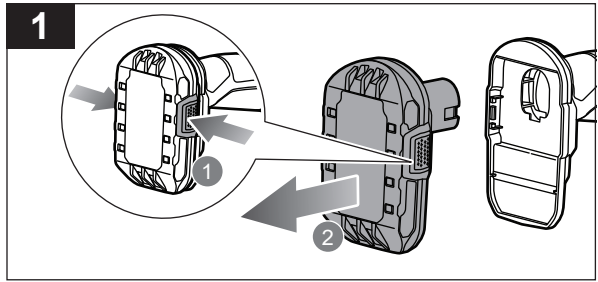


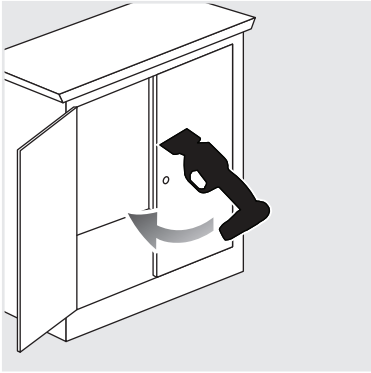
CLEANING THE PRODUCT

1. Press the latches on the battery pack to remove it from the product.
2. Clean the body and handles of the product with a soft, dry cloth after each use.

NOTE: Do not use water and soap to clean the product.

3. Put the nozzle of the oil tank against the screw, and pour light lubricant oil, such as sewing machine oil, to lubricate the blades.



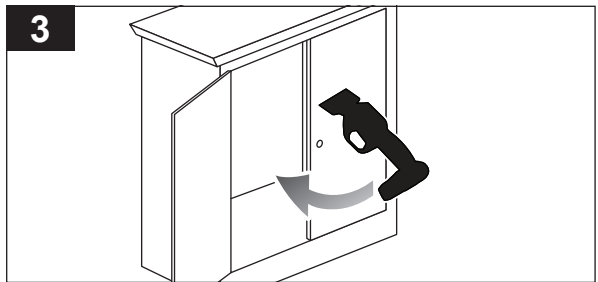
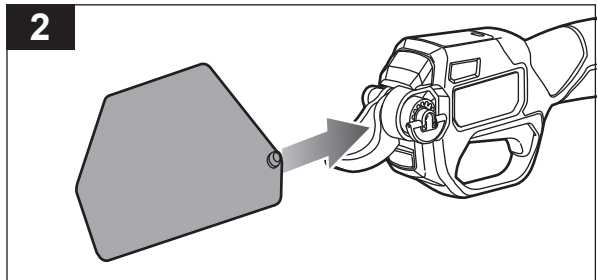
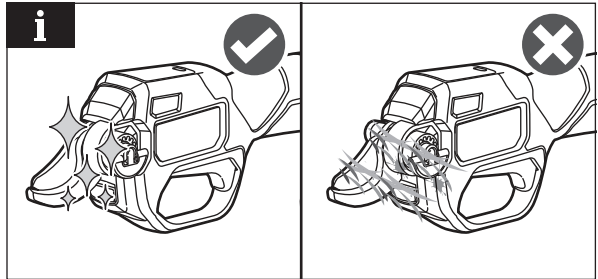
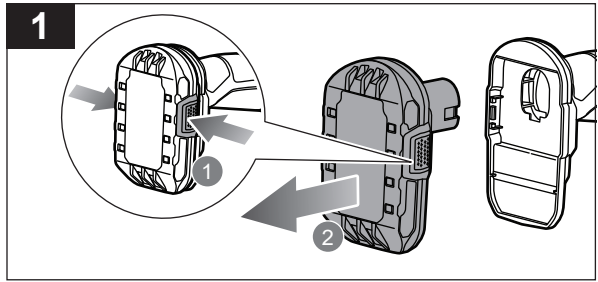


STORING THE PRODUCT

1. Press the latches on the battery pack to remove it from the product.

NOTE: Make sure that all parts are clean and dry before storing the product.

2. Install the blade cover. Always install the blade cover when storing or transporting the product.
3. Store the product in a cool, dry, and well-ventilated area that is inaccessible to children. Keep the product away from corrosive agents, such as garden chemicals and de-icing salts. Do not store the product outdoors.



PRODUCT SPECIFICATIONS

Cordless secateurs	
Model	R18XSEC20
Rated voltage	18 V d.c.
Cutting capacity (softwood)	28 mm
Cutting capacity (hardwood)	23 mm
Cutting cycle time	≤ 1 s
Product length	300 mm
Weight without battery pack	0.82 kg
Weight with the heaviest battery pack	2.0 kg
Noise emission level (in accordance with IEC 62841-1)	
A-weighted sound pressure level at the operator's position	$L_{pA} = 68.0 \text{ dB(A)}$
Uncertainty	$K = 3.0 \text{ dB}$
A-weighted sound power level	$L_{WA} = 79.0 \text{ dB(A)}$
Uncertainty	$K = 3.0 \text{ dB}$
Vibration level (in accordance with IEC 62841-1)	
Vibration total value	$a_n = 0.7 \text{ m/s}^2$
Uncertainty	$K = 1.5 \text{ m/s}^2$

BATTERY AND CHARGER

Model	R18XSEC22	R18XSEC20
Battery pack	RB1820C	-
Weight	0.83 kg	-
Charger	RC18115	-
Compatible battery packs	RB18L13, RB18L13Z, RB18L15, RB18L15A, RB18L15B, RB1815C, RB18L20, RB18L20A, RB1820C, RB1825C, RB18L25, RB18L25A, RB18L26, RB18L30, RB18L30A, RB18L40, RB18L40A, RB1840C, RB1840X, RB1850C, RB1850X, RB18L50, RB18L50A, RB18L60, RB18L60A, RB1860X, RB18L90, RB18L90A	

REPLACEMENT PARTS

Replacement blade	RAC319 (099248002002)
-------------------	-----------------------

NOTE: Visit your local special orders desk or contact RYOBI customer service for replacement parts.

⚠ WARNING! The declared vibration total values and the declared noise emission values given in this instruction manual have been measured in accordance with a standardised test and may be used to compare one tool with another. They may be used for a preliminary assessment of exposure.

The declared vibration and noise emission values represent the main applications of the tool. However, if the tool is used for different applications, used with different accessories, or poorly maintained, the vibration and noise emission may differ. These conditions may significantly increase the exposure levels over the total working period. An estimation of the level of exposure to vibration and noise should take into account the times when the tool is turned off or when it is running idle. These conditions may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration and noise, such as maintaining the tool and the accessories, keeping the hands warm (in case of vibration), and organising work patterns.





Imported by:
Techtronic Industries Australia Pty Ltd
31 Gilby Road, Mount Waverley, VIC 3149
Melbourne, Australia

Techtronic Industries N.Z. Limited
Unit C, 70 Business Parade South,
Highbrook, Auckland 2013, New Zealand

RYOBI is a trade mark of Ryobi Limited, and is used under license.

