

**GARDENLINE®**

# 36v Cordless Chainsaw

## User Guide



### **After Sales Support**

Now you have purchased a Gardenline® product you can rest assured in the knowledge that as well as your 3 year parts and labour guarantee you have the added peace of mind of dedicated helplines and web support.



# GARDENLINE<sup>®</sup>

Cordless Chainsaw

## Warranty Details

The product is guaranteed to be free from defects in workmanship and parts for a period of 36 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. There will be no returns accepted with products containing fuel. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be acceptable quality and the failure does not amount to a major failure.

### After Sales Support

Telephone: 1300 922 271

Email: [service.australia@isc-gmbh.info](mailto:service.australia@isc-gmbh.info)



### AFTER SALES SUPPORT



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## What your 3 year warranty means

Congratulations on choosing to buy a Gardenline® product. By doing so you now have the assurance and peace of mind that comes with purchasing a product made by one of Australia's leading suppliers.

All products brought to you by Gardenline® are manufactured to the highest standards of performance and safety, and, as part of our philosophy of customer service and satisfaction, are backed by our comprehensive 3 Year Guarantee.

We hope you will enjoy using your purchase for many years to come.

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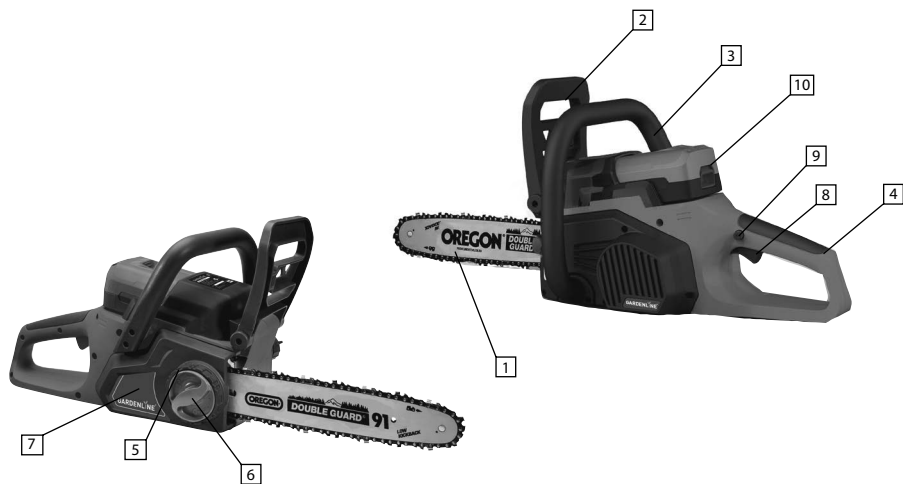


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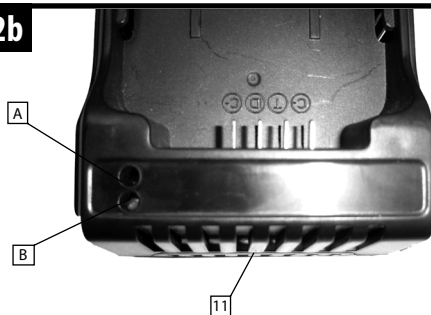
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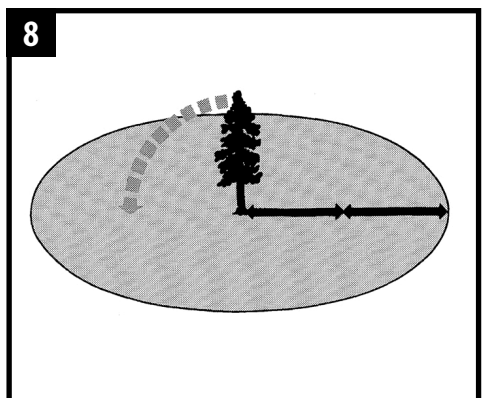
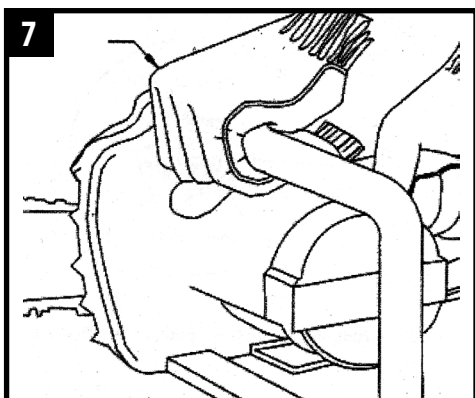
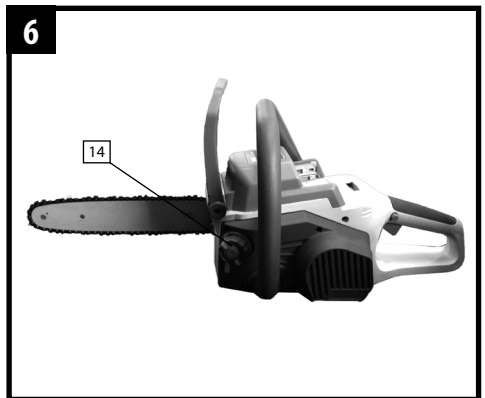
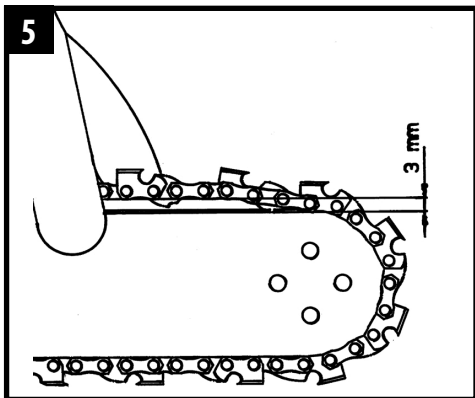
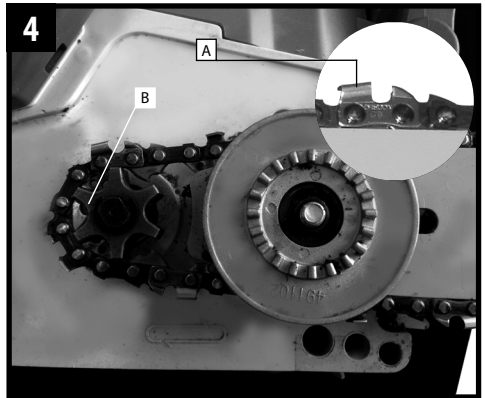
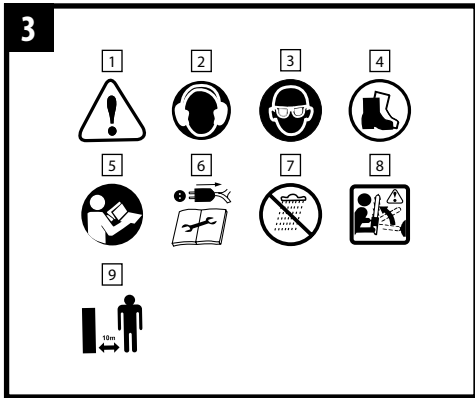
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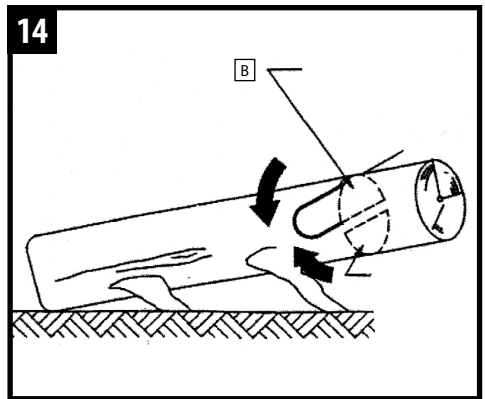
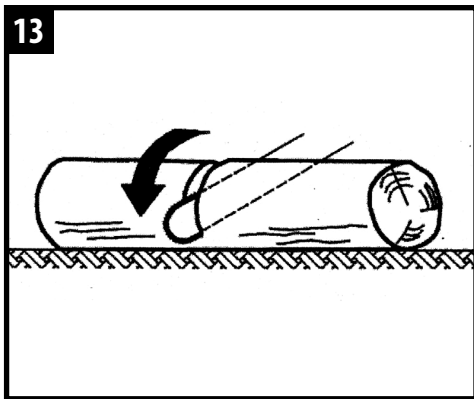
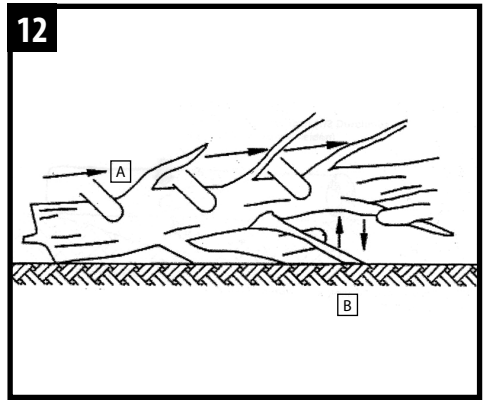
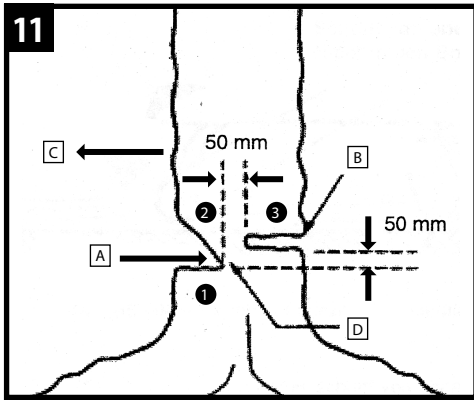
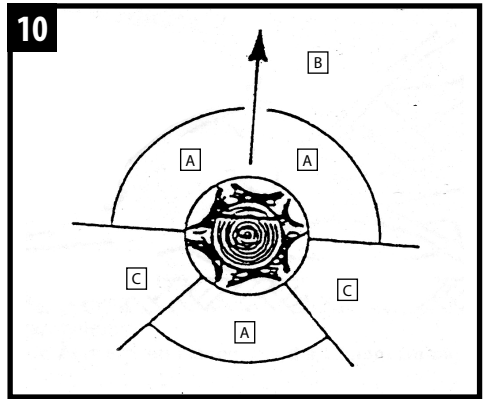
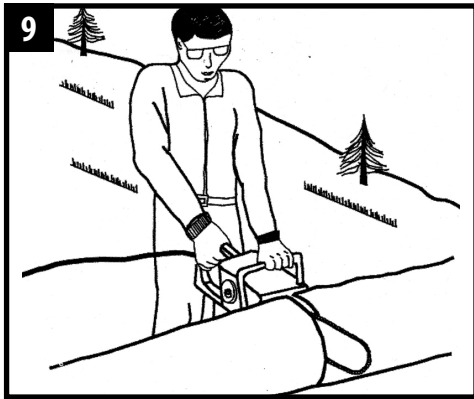
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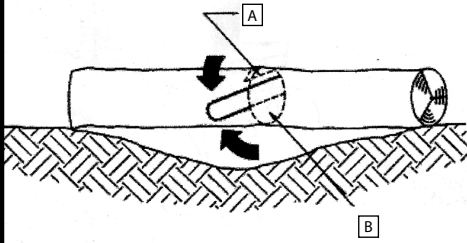
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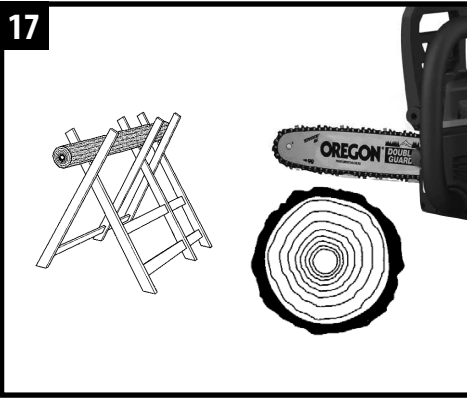
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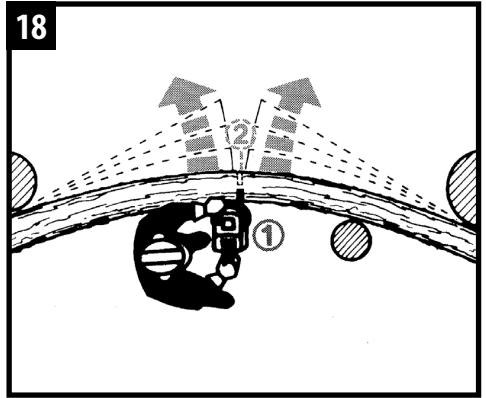
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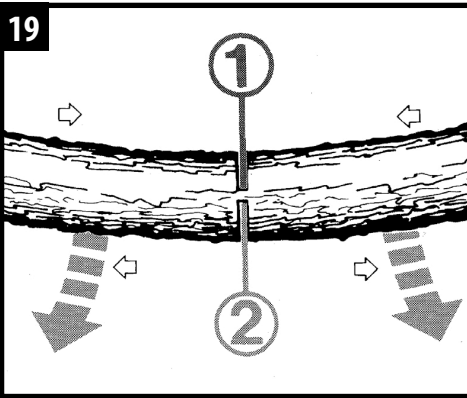
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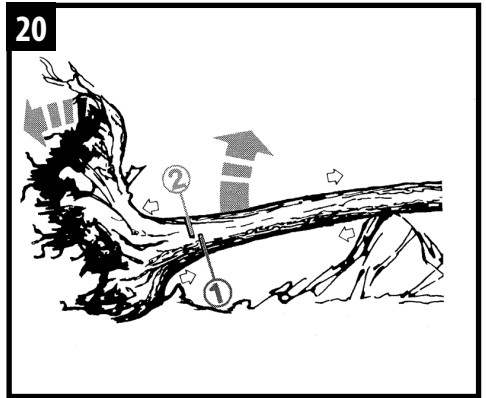
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### Important!

When using equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating manual 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, give them these operating instructions as well. We accept no liability for damage or accidents which arise due to non-observance of these instructions and the safety information.

## Safety Information

# 1

### CAUTION!

**Read all safety regulations and instructions.** Any errors made in following the safety regulations and instructions may result in an electric shock, fire and/or serious injury.  
**Keep all safety regulations and instructions in a safe place for future use.**

### Explanation of the symbols on the machine (Fig. 3):

1. Caution!
2. Wear ear protectors.
3. Wear safety goggles.
4. Wear non-slip safety footwear when using this equipment.
5. Read the operating instructions.
6. Before carrying out any repair, maintenance or cleaning work, turn off the motor and take out the battery.
7. Never expose the device to rain.
8. DANGER! Beware of kickback.
9. Keep all bystanders at least 10m away.

### Special safety instructions for chainsaws

- **When the chainsaw is running make sure that you keep all parts of your body away from the chainsaw. Before starting up the chainsaw make sure that it is not touching anything.** When you are working with a chainsaw, a single moment of carelessness is all it takes for clothing or parts of your body to get caught by the chainsaw.
- **Always hold the chainsaw securely with your right hand on the rear handle and your left hand on the front handle.** Holding the chainsaw with your hands in other positions increases the risk of injury and is therefore not allowed.

- **Wear safety goggles and ear protection.**
- **Other safety equipment for the head, hands, legs and feet is recommended.** Correct protective clothing reduces the risk of injury caused by catapulted chips or in the event of accidental contact with the chainsaw.
- **Never use the chainsaw up a tree.** You risk injuring yourself if you use the chainsaw up a tree.
- **Always maintain a steady standing position and only use the chainsaw when you are standing on a solid, safe and flat surface.** Slippery or unsafe surfaces in combination with a ladder can cause you to lose your balance and control over the chainsaw.
- **When cutting through a branch which is under tension, take into account how it will spring back once the cut has been made.** Once the tension in the wood fibers is released, the tensioned branch could hit the operator and/or seize control of the chainsaw.
- **Take special care when cutting undergrowth and young trees.** The thin material can become caught in the saw chain and whip back towards you or make you lose your balance.
- **Carry the chainsaw by the front handle with the chainsaw switched off and the chain facing away from the body. Always fit the protective cover when transporting the chainsaw or putting it into storage.** Careful handling of the chainsaw reduces the likelihood of accidental contact with the saw chain while it is running.
- **Follow the instructions for lubrication, chain tension and replacement of accessories.** A chain which is not properly tensioned or lubricated can either break or increase the risk of kickback.
- **Keep the handles dry, clean and free from oil and grease.** Greasy or oily handles are slippery and will result in loss of control.
- **Only use the chainsaw to cut wood.** The chain must only be used to perform the work for which it is intended. For example: Never use the chainsaw to cut plastic or metal.
- **Causes of and ways to avoid recoil.** Recoil can occur if the tip of the chain bar touches an item or if the wood bends and jams the saw chain in the cut. In many cases contact with the bar tip can result in an unexpected reaction aimed backwards in which the chain bar is catapulted upwards towards the operator. Jamming the saw chain on the top of the chain bar can catapult the bar towards the operator at high speed. Any of these reactions can result in you losing control over the saw and possibly





suffering serious injuries. You should therefore not rely totally on the safety equipment fitted to the chainsaw. When using a chainsaw you should take various precautions to enable you to work without suffering accidents or injuries. Recoil is the result of incorrect or wrong use of the electric tool. It can be prevented by suitable precautions, as described below:

- **Hold the saw firmly with both hands, with fingers and thumbs gripped around the handles.** Steady yourself with your body and arms in a position in which you can control the kickback forces. Provided appropriate measures are taken, an operator should be capable of controlling the kickback forces. Never let go of the chain saw.
- **Avoid abnormal working postures.** Never cut above shoulder height. This prevents accidental contact with the tip of the rail and offers better control over the chainsaw in unexpected situations.
- **Always use the correct replacement rails and saw chains recommended by the manufacturer.** The use of incorrect replacement rails or saw chains may result in breakage of the chain and/or kickback.
- **Follow the manufacturer's instructions for sharpening and maintaining the saw chain.** The risk of kickback is increased if the depth limiter is set too low.

#### **More important information:**

- Use an earth-leakage circuit breaker with a trip current of 30 mA or less.
- We recommend that first-time users should at least practice cutting roundwood (logs) on a sawing trestle or similar.

#### **Residual risks**

Even if you use this cordless power tool in accordance to instructions, certain residual risks cannot be eliminated. The following hazards may arise in connection with the equipment's construction and layout:

- Cut injuries if no safety clothing is used.
- Lung damage if no suitable protective dust mask is applied.
- Brickwork or building materials which are not made of wood. Use of the chainsaw for non-intended or non-approved work can create dangerous situations.

#### **CAREFUL HANDLING AND USE OF CORDLESS EQUIPMENT**

- Ensure that the equipment is switched off before you insert the battery.
- Inserting a battery into an electric tool that is switched on can cause accidents.
- Only charge the batteries in chargers that are recommended by the manufacturer. A charger that is designed for a certain type of batteries may pose a fire risk if it is used with other types of batteries.
- Use only the correct batteries in the electric tools. The use of other batteries may result in injuries and a fire risk.
- Keep unused batteries away from paper clips, coins, keys, nails, screws and other metallic objects that could cause a short circuit between the contacts. A short circuit between the battery contacts may cause burns or a fire.
- In case of incorrect use, fluid may escape from the battery. Avoid contact with it. If you touch it by mistake, rinse the affected area with water. If you get the fluid in your eyes, also seek medical advice. Leaking battery fluid can cause skin irritation or burns.

#### **Additional safety instructions**

We pay a great deal of attention to the design of every battery pack to ensure that we supply you with batteries which feature maximum power density, durability and safety. The battery cells have a wide range of safety devices. Each individual cell is initially formatted and its electrical characteristic curves are recorded. These data are then used exclusively to be able to assemble the best possible battery packs.

**Despite all the safety precautions, caution must always be exercised when handling batteries.**

**The following points must be obeyed at all times to ensure safe use. Safe use can only be guaranteed if undamaged cells are used. Incorrect handling can cause cell damage.**

**Important:** Analyses confirm that incorrect use and poor care are the main causes of the damage caused by high performance batteries.

#### **Information about the battery**

1. The battery pack supplied with your cordless tool is not charged. The battery pack has to be charged before you use the tool for the first time.
2. For optimum battery performance avoid low discharge cycles. Charge the battery pack frequently.
3. Store the battery pack in a cool place, ideally at 15°C and charged to at least 40%.
4. Lithium-ion batteries are subject to a natural ageing process. The battery pack must be replaced at the latest when its capacity



- falls to just 80% of its capacity when new. Weakened cells in an aged battery pack are no longer capable of meeting the high power requirements and therefore pose a safety risk.
5. Do not throw battery packs into an open fire. There is a risk of explosion!
  6. Do not ignite the battery pack or expose it to fire.
  7. **Do not exhaustively discharge batteries.** Exhaustive discharge will damage the battery cells. The most common cause of exhaustive discharge is lengthy storage or non-use of partly discharged batteries. Stop working as soon as the performance of the battery falls noticeably or the electronic protection system triggers. Place the battery pack in storage only after it has been fully charged.
  8. **Protect batteries and the tool from overloads.** Overloads will quickly result in overheating and cell damage inside the battery housing without this overheating actually being apparent externally.
  9. **Avoid damage and shocks.** Replace batteries which have been dropped from a height of more than one meter or which have been exposed to violent shocks without delay, even if the housing of the battery pack appears to be undamaged. The battery cells inside the battery may have suffered serious damage. In this respect, please also read the waste disposal information.
  10. If the battery pack suffers overloading and overheating, the integrated protective cut-off will switch off the equipment for safety reasons.  
**Important.** Do not press the ON/OFF switch any more if the protective cut-off has actuated. This may damage the battery pack.
  11. Use only original battery packs. The use of other batteries may result in injuries, explosion and a fire risk.

#### **Information on chargers and the charging process**

1. Please check the data marked on the rating plate of the battery charger. Be sure to connect the battery charger to a power supply with the voltage marked on the rating plate. Never connect it to a different mains voltage.
2. Protect the battery charger and its cable from damage and sharp edges. Have damaged cables repaired without delay by a qualified electrician.
3. Keep the battery charger, batteries and the cordless tool out of children's reach.

4. Do not use damaged battery chargers.
5. Do not use the supplied battery charger to charge other cordless tools.
6. In heavy use the battery pack will become warm. Allow the battery pack to cool to room temperature before commencing with the charging.
7. Do not over-charge batteries.  
**Do not exceed the maximum charging times.** These charging times only apply to discharged batteries. Frequent insertion of a charged or partly charged battery pack will result in over-charging and cell damage. Do not leave batteries in the charger for days on end.
8. Never use or charge batteries if you suspect that the last time they were charged was more than 12 months previously. There is a high probability that the battery pack has already suffered dangerous damage (exhaustive discharge).
9. Charging batteries at a temperature below 10°C will cause chemical damage to the cell and may cause a fire.
10. Do not use batteries which have heated during the charging process, as the battery cells may have suffered dangerous damage.
11. Do not use batteries which have suffered curvature or deformation during the charging process or which show other non-typical symptoms (gassing, hissing, cracking, etc).
12. **Never fully discharge the battery pack** (recommended depth of discharge max. 80%) A complete discharge of the battery pack will lead to premature ageing of the battery cells.
13. Never charge the batteries unsupervised.

#### **Protection from environmental influences**

1. Wear suitable work clothes. Wear safety goggles.
2. Protect your cordless tool and the battery charger from moisture and rain. Moisture and rain can cause dangerous cell damage.
3. Do not use the cordless tool or the battery charger near vapors and inflammable liquids.
4. Use the battery charger and cordless tools only in dry conditions and an ambient temperature of 10-40°C.
5. Do not keep the battery charger in places where the temperature is likely to reach over 40°C. In particular, do not leave the battery charger in a car that is parked in the sunshine.
6. Protect batteries from overheating. Overloads, over-charging and exposure to direct sunlight will result in overheating and cell damage.



Never charge or work with batteries which have been overheated – replace them immediately if possible.

7. Storage of batteries, battery chargers and cordless tools. Store the charger and your cordless tool only in dry places with an ambient temperature of 10-40°C. Store your lithium-ion battery pack in a cool, dry place at a temperature of 10-20°C. Protect them from humidity and direct sunlight. Only place fully charged batteries in storage (charged at least 40%).
8. Prevent the lithium-ion battery pack from freezing. Battery packs which were stored below 0°C for more than 60 minutes must be disposed of.
9. When handling batteries beware of electrostatic charge: Electrostatic discharges cause damage of the electronic protection system and the battery cells. Avoid electrostatic charging and never touch the battery poles.



Batteries contain substances harmful to the environment. Never place batteries in your household refuse, in fire or in water. Batteries should be collected, recycled or disposed of in an environmentally friendly way. Seek advice on correct disposal from local waste authorities.

Do not lose this safety information.

## Layout (Fig. 1/2)

# 2

1. Guide bar
2. Front hand guard
3. Front handle
4. Rear handle
5. Chain tensioning knob
6. Fixing screw for chain cover
7. Chain cover
8. On/Off switch
9. Safety switch
10. Battery
11. Charger
12. Pushbutton for battery indicator
13. Battery indicator

## Items Supplied

# 3

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

### Important!

**The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!**

- Cordless Chainsaw
- 1 x Oregon chain
- 1 x Oregon bar
- 36V; 2.6Ah Battery
- Charger
- Blade Cover
- Instruction Guide
- Quick Start Guide
- Warranty Certificate
- Warranty Sticker

## AFTER SALES SUPPORT



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## Intended Use

The chainsaw is intended for felling trees and for cutting trunks, branches, wooden beams, boards etc. and can be used for cross cuts and longitudinal cuts. It is not suitable for cutting any materials other than wood.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

## Technical Data

Battery Voltage	36V DC
Capacity	2.6 Ah
Charger output voltage	42V DC
Charger current voltage	2 A
No load speed	3400 rpm
Chain speed	6 m/s
Blade length	305 mm
Weight	5.5 kg
Charging time	100 min

### Sound and Vibration

Sound pressure level LpA	89 dB(A)
Uncertainty KpA	3 dB
Sound power level LWA	103 dB(A)
Uncertainty KWA	3 dB

Wear ear-protection.  
The impact of noise can cause damage to hearing.

### Functions

Vibration emission value ah: 3.6 m/s<sup>2</sup>  
K uncertainty = 1.5 m/s<sup>2</sup>

### Reduce noise generation and vibration to a minimum!

- Use only equipment that is in perfect condition.
- Maintain and clean the equipment regularly.
- Adopt your way of working to the equipment.
- Do not overload the equipment.
- Have the equipment checked if necessary.
- Switch off the equipment when not in use.
- Wear gloves.

# 4 Before starting the equipment 6

**Caution: Do not put the battery into the chainsaw until it has been fully assembled and the chain tension has been adjusted. Always wear protective gloves when working on the chainsaw to protect yourself against injury.**

### 6.1 Assembly of the cutter rail and the saw chain

- Carefully unpack all parts and check that they are complete.
- Undo the fixing screw for the chain cover (Fig. 1/Item 6).
- Take off the chain cover (Fig. 1/Item 7).
- Lay the chain as shown in the groove which runs around the cutter rail (Fig. 4/Item A).
- Insert the cutter rail and chain as shown in the mounting in the chainsaw (Fig. 4). At the same time guide the chain around the chain wheel (Fig.4/ Item B).
- Attach the chain cover (Fig. 1/Item 7) and secure it with the chain fixing screw. (Fig. 1/Item 6)

**Caution: Do not fully tighten the chain tensioning knob until after adjusting the chain tension (refer to point 6.2).**

### 6.2 Tensioning the saw chain

**Caution: Always take out the battery before performing any checks or adjustments. Always wear protective gloves when working on the chainsaw to protect yourself against injury.**

- Turn the fixing screw (Fig.1/Item 6) a few turns to unlock the chain tensioning knob (Fig. 1/ Item 5). Then turn the tensioning knob (Fig. 1/ Item 5) a few turns to adjust the tension of the chain. Turning the knob clockwise increases the tension, turning it counter-clockwise decreases the chain tension. The saw chain is correctly tensioned if it can be lifted around 3-4 mm in the middle of the cutter rail (Fig.5).
- Tighten the fixing screw of the chain wheel cover .

**Caution: All of the chain links must lie properly in the guide groove of the cutter rail.**

### Notes on tensioning the chain:

- The saw chain must be properly tensioned to ensure safe operation. You can tell that the chain tension is perfect if the saw chain can be lifted by around 3-4 mm in the middle of the cutter rail (Fig. 5). As the saw chain heats up during cutting and thus changes in length, please check the chain tension every 10 minutes and adjust it again as required. This applies in particular to new saw chains. When you have finished working slacken the chain again, as the chain will shorten when it cools down. This will prevent the chain from being damaged.

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## 6.2 Battery (Fig. 2a/ Item 10)

The equipment is fitted with a lithium-ion battery. The battery pack is completely closed and maintenance free.

### 6.2.1 Battery charge level indicator (Fig. 2a/Item 12)

The battery pack is equipped with a pushbutton for checking the charge level. Simply press the pushbutton (Figure 2a/Item 12) to read off the battery level from the LEDs of the battery indicator (Fig. 2a/ Item 13):

- All 3 level monitoring LEDs are lit: Battery charge level is high.
- 2 level monitoring LEDs are lit: Battery charge level is decreasing. Stop work as soon as possible.
- 1 level monitoring LED is lit: Battery is flat. Stop work IMMEDIATELY and charge the battery. Otherwise the battery's service life will be greatly shortened.

### 6.2.2 Charging the battery

- Pull the pushlock button (Fig. 2a/ Item c) and pull the battery pack (10) out of the equipment.
- Check that your mains voltage is the same as that marked on the rating plate of the battery charger. Insert the power plug of the charger into the mains socket outlet. The LED A (Fig. 2b) will then illuminate in green.
- Push the battery onto the charger as shown in Fig. 2a. The LED B will illuminate in red while LED A is still green (Fig. 2b).
- The battery is fully charged when LED A and B (Fig. 2b) are illuminated in green.
- Pull the pushlock button (Fig. 2a/ Item c) and pull the battery pack (10) out of the charger.

If the rechargeable battery pack fails to charge, check whether there is voltage at the socket outlet. If you still fail to charge the battery pack, please call our customer service center on 1300 922 271. Timely recharging of the battery will help it serve you well for a long time. You must recharge the battery pack when you notice that the power of the equipment drops.

Never allow the battery pack to become fully discharged. This will cause it to develop a defect.

## 6.3 Saw chain lubrication

**Caution: Always take out the battery before performing any checks or adjustments. Always wear protective gloves when working on the chainsaw to protect yourself against injury.**

**Caution: Never operate the chain if it is not lubricated with saw chain oil. Use of the chainsaw without saw chain oil as it will damage the chainsaw.**

**Caution: Be aware of the temperature conditions: different lubricants with completely different viscosities are required at different ambient temperatures.** At lower temperatures you will need low viscosity oils in order to achieve a sufficient lubricating film. However, if the same low viscosity oil is used during the summer it will become even thinner due to the ambient temperatures alone, and as a result the lubricating film could break down, causing the chain to overheat and become damaged. In addition, the chain oil would burn and produce unnecessary pollutants.

### Filling the oil tank:

- Place the chainsaw on a flat surface.
- Clean the area around the oil tank cover (Fig.6/Item 14) and then clean the oil tank cover (Fig.6/Item 14).
- Fill the tank with saw chain oil. In the process, make sure that no dirt enters the tank, as this could cause the oil nozzle to become blocked.
- Close the oil tank cover.

## Operations

# 7

### 7.1 Starting the Chainsaw

- Hold the chainsaw by the handles with both hands as shown in Fig. 7 (thumbs under the handles).
- Press and hold the safety switch (Fig. 1/Item 9).
- Switch on the chainsaw at the ON/OFF switch (Fig. 1/Item 8).
- You can then release the safety lock-off.

### Switching off

- Release the ON/OFF switch (Fig. 1/Item 8).
- The integrated brake will bring the running chainsaw to a standstill within a very short space of time.
- Always take out the battery when you stop working, even if it is only for a short time.

**Caution: Always carry the saw by the front handle (Fig. 1/Item 3). If the battery is in the saw and you carry it by the rear handle (which is where the switches are located), then there is a risk that you could accidentally press the safety lock-off and the ON/OFF switch at the same time, and the chainsaw could inadvertently start up. Please watch out for the cutters as they slow down to a standstill.**



# Working with the Chainsaw

## 8

### 8.1 Preparations

To ensure that you can work safely, check the following points before every use:

- **Condition of the chainsaw**  
Inspect the chainsaw before the start of work for damage to the housing, the saw chain and the cutter rail. Never use a chainsaw which is obviously damaged.
- **Oil container**  
Fill level of the oil container. Even while working, keep checking that sufficient oil is in the system. To avoid damaging the chainsaw, never run the saw if there is no oil in the system.
- **Saw chain**  
Tension of the saw chain, condition of the cutting elements. The sharper the chainsaw, the easier and more controllable it is to operate the chainsaw. The same also applies to the chain tension. Again, while working also check the chain tension every 10 minutes in order to increase your safety. New saw chains in particular often tend to expand more.
- **Chain brake**  
Check the operation of the chain brake as described in the chapter "Safety devices" and then release it.

### Safety clothing

Always wear appropriate tight-fitting safety clothing like special trousers which protect against cuts, protective gloves and safety shoes. Hearing protection and protective goggles. When felling trees or performing forest work, always wear a protective helmet with integral face and hearing protection. This will offer protection against falling branches and any branches if they spring back.

### 8.2 Description of the correct procedures for basic use of the chainsaw

#### Felling a tree (Figs. 8-11)

If two or more persons are working at the same time on felling and cutting back then the minimum distance between the tree being felled and the tree being cut back should be at least twice the height of the tree being felled (Fig. 8). When felling trees, care must be taken to ensure that no other persons are endangered, no power supply lines are hit and no material damage is caused to equipment or property.

In the event that a tree comes into contact with a power supply line, the responsible power supply company should be informed immediately.

When working with the saw on a slope, the operator of the chainsaw must be standing at a higher point on the slope than the tree being felled, as the tree will roll or slip downhill once it has been felled (Fig. 9).

Before felling the tree you must first plan and if necessary clear an escape route. This escape route must lead away diagonally in the opposite direction to the expected fall direction – this can be seen in Fig.10 (A= danger zone, B= direction of fall, C= escape zone).

Before felling the tree you must take into account the natural inclination of the tree, the location of larger branches and the wind direction, as this will help you to correctly determine the direction in which the tree will fall.

Dirt, stones, loose bark, nails, staples and wire must be removed from the tree.

#### Making the felling notch (Fig. 11)

Cut a notch (A) at right angles to the fall direction to a depth of 1/3 of the tree diameter as shown in Fig. 10.

First make the lower horizontal felling notch (1). This prevents the saw chain or the guide rail from becoming trapped when the second felling notch is made.

#### Making the felling cut (Fig. 11)

The felling cut should be positioned at least 50 mm above the horizontal felling notch. Make the felling cut (B) parallel to the horizontal felling notch. The felling cut should be cut to a depth which leaves a thin strip (felling hinge strip) (D) which can act as a hinge. This strip prevents the tree from rotating and falling in the wrong direction. Do not cut through the strip. When the felling cut gets close to the strip the tree should start to fall. If it becomes clear that the tree may well fall in a different direction to the desired fall direction (C) or it starts to lean back and traps the saw chain, interrupt the felling cut and insert wedges made of wood, plastic or aluminum to open out the cut and control the lean of the tree until it leans in the required direction.

When the tree starts to fall, remove the chainsaw from the cut, switch it off, place it on the ground and exit the danger zone via the planned escape route. Watch out for falling branches and take care not to trip.

#### Removing branches

Here we are talking about removing branches from the felled tree. When removing branches, leave any downward facing branches which are supporting the tree until the trunk of the tree has been cut up. Smaller branches should be removed as shown in Fig. 12 (A= cutting direction when removing branches, B= keep away from the ground! Supporting branches



should be left until the trunk is cut up) in a single cut from the bottom to the top. Any branches which are under tension should be cut from the bottom to the top to prevent the saw from becoming trapped.

### Cutting the tree trunk into lengths

Here we are looking at the process of cutting the felled tree into sections. Make sure you have a sure footing and distribute your body weight evenly onto both feet. If possible the trunk should be underlaid and supported with branches, beams or wedges. For easy cutting follow the simple instructions below.

If the full length of the tree trunk is evenly supported as shown in Fig. 13 then proceed by cutting from the top down. Take care not to cut into the ground in the process.

If the weight of the tree trunk is resting on one end as shown in Fig. 14, first cut through 1/3 of the trunk diameter from the underside (A) in order to prevent it from splintering. Make the second cut from the top (2/3 of the diameter) to the height of the first cut (B) (this prevents the chainsaw from being trapped).

If the weight of the tree trunk is resting on both ends as shown in Fig. 15, first cut through 1/3 of the trunk diameter from the top (A) in order to prevent it from splintering. Make the second cut from underneath (2/3 of the diameter) to the height of the first cut (B) (this prevents the chainsaw from being trapped).

When working with the saw on a slope, always position yourself at a higher point on the slope above the tree as shown in Fig. 9. In order to retain full control at the moment when the cut goes through, reduce pressure towards the end of the cut without releasing your firm grip on the handles of the chainsaw. Take care to ensure that the chainsaw does not touch the ground.

After completing the cut, wait for the chainsaw to come to a standstill before removing the chainsaw.

Always switch off the motor of the chainsaw before moving from tree to tree.

### 8.3 Kickback

The term "kickback" describes what happens when the running chainsaw suddenly kicks upward and backward. Usually, this is caused by contact between the tip of the cutter rail and the workpiece or the saw chain becoming trapped.

In the event of kickback, large forces occur suddenly and violently. As a result, the chainsaw usually reacts uncontrollably. This can often result in very serious injuries to the worker or persons in the vicinity. The risk of kickback is particularly great when performing cross cuts, angled cuts and longitudinal cuts, as it is not possible to use the claw stop on these cuts. You should therefore avoid these cuts as far as possible and take particular care when they are unavoidable.

The risk of kickback is at its greatest when the saw is positioned for a cut in the region of the tip of the cutter rail, as the leverage effect is greatest there (Fig. 16). It is therefore safest to position the saw flat and as close as possible to the claw stop before making the cut (Fig. 17).

### Caution:

- **Make sure that the chain tension is always correctly adjusted.**
- **Only use a chainsaw if it is in perfect working order.**
- **Only work with a saw chain that has been properly sharpened in accordance with the instructions.**
- **Never operate the saw above shoulder height.**
- **Never cut with the upper edge or the tip of the sword.**
- **Always hold the chainsaw firmly with both hands.**
- **Whenever possible, use the claw stop as a leverage point.**

### Cutting wood which is under tension

Special care is required when cutting wood which is under tension. Wood which is under tension from which it is released by cutting may in some cases react completely unpredictably and uncontrollably. In the worst case this could result in extremely severe or even fatal injuries (Fig. 18-20).

This type of work must only be performed by persons who have been specially trained.

## Cleaning, Maintenance and Ordering Spare Parts

# 9

**Turn off and remove the rechargeable battery from the chainsaw, before putting down or cleaning.**

### 9.1 Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible.
- Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device.
- If the chainsaw is not to be used for an extended period of time then you should remove the chain oil from the tank. Briefly immerse the saw chain and the cutter rail in an oil bath and then wrap them in oil paper.



- Never immerse the unit in water or other liquids in order to clean it.

### 9.2 Carbon brushes

- In case of excessive sparking, have the carbon brushes checked only by a qualified electrician.

**Important!** The carbon brushes should not be replaced by anyone but a qualified electrician.

### 9.3 Maintenance

#### 9.3.1 Replacing the saw chain and cutter rail

- The cutter rail needs to be replaced if the guide groove of the cutter rail is worn; the nose sprocket in the cutter rail is damaged or worn.
- Proceed as described in the section "Assembly of the cutter rail and the saw chain".

#### 9.3.2 Checking the automatic chain lubrication

- You should check the operation of the automatic chain lubrication system on a regular basis in order to guard against overheating and the associated damage to the cutter rail and the saw chain. To do this, point the tip of the cutter rail towards a smooth surface (board, section of a cut tree) and allow the chainsaw to run.
- If an increasing oil trace becomes evident during this process then the automatic chain lubrication system is working properly. If no clear oil trace is evident then please refer to the corresponding instructions in
- "Troubleshooting". If the information contained there still fails to remedy the situation then please contact our service department on 1300 922 271.

**Caution: Do not actually touch the surface with the tip of the cutter rail when performing this test. Keep a safe distance (approx. 20cm).**

#### 9.3.3 Sharpening the saw chain

- Effective working with the chainsaw is only possible if the saw chain is in good condition and sharp. This also reduces the risk of kickback.
- The saw chain can be re-sharpened by any dealer. Do not attempt to sharpen the saw chain yourself unless you have the necessary special tools and experience.

### 9.4 Ordering replacement parts

Please call our customer service centre on 1300 922 271 and provide the following information on all orders for spare parts:

- Model/type of the equipment
- Article number of the equipment
- ID number of the equipment
- Spare part number of the required spare part

## Storage and Transport

# 10

Store the equipment and accessories out of children's reach in a dark and dry place at above freezing temperature. The ideal storage temperature is between 0-40°C for the cordless tool and charger and between 10 and 20°C for the Li-Ion battery. Store the electric tool in its original packaging.

## Disposal and Recycling

# 11

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your local council.





<b>Fault</b>	<b>Possible Causes</b>	<b>Remedy</b>
Chainsaw does not work at all	Quick stop brake has been triggered	Pull the hand protection back to the normal position.
	No power	Check charge level of battery
Chainsaw operates intermittently	Loose connection (external)	Call 1300 922 271
	Loose connection (internal)	Call 1300 922 271
	ON/OFF switch defective	Call 1300 922 271
Saw chain dry	No oil in the tank	Fill up with oil.
	Oil tank cap breather blocked	Clean the oil tank cap.
	Oil outlet blocked	Clear the oil outlet.
Chain brake does not work	Problem with the switch mechanism in the front hand guard	Call 1300 922 271
Chain/guide rail hot	No oil in the tank	Fill up with oil.
	Oil tank cap breather blocked	Clean the oil tank cap.
	Oil outlet blocked	Clear the oil outlet
	Blunt chain	Re-sharpen or replace the chain.
Chainsaw juddering, vibrating or not sawing properly	Chain tension too loose	Tighten the chain
	Blunt chain	Re-sharpen or replace the chain.
	Worn chain	Replace the chain.
	Saw teeth pointing in the wrong direction	Reinstall the saw chain with the teeth facing in the correct direction.



## AFTER SALES SUPPORT



1300 922 271



[service.australia@isc-gmbh.info](mailto:service.australia@isc-gmbh.info)

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