CIRCULAR SAW 2000W INSTRUCTION MANUAL

SPECIFICATIONS
Motor: 2000W
Input: 230-240V ~ 50Hz
No Load Speed: 4800/min
Blade Diameter: 235mm (9 1/4”)
Blade Bore: 25mm
Depth of Cut: 85mm @ 90°
56mm @ 45°
Laser Type: Class 2
Weight: 6.45kg

WHAT’S IN THE BOX
- Circular Saw
- Rip Fence
- Hex Key

IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO YOUR NEAREST BUNNINGS WAREHOUSE WITH YOUR BUNNINGS REGISTER RECEIPT. PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:

Australia 1800 069 486
New Zealand 0508 069 486

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you at law. Our goods come with guarantees that cannot be excluded at 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 of acceptable quality and the failure does not amount to a major failure.

Generally you will be responsible for all costs associated with a claim under this warranty, however, where you have suffered any additional direct loss as a result of a defective product you may be able to claim such expenses by contacting our customer service helpline above.

3 YEAR REPLACEMENT WARRANTY
Your product is guaranteed for a period of 36 months from the original date of purchase. If a product is defective it will be replaced in accordance with the terms of this warranty. Warranty excludes consumable parts, for example: saw blades, carbon brushes, hex key.

WARNING
The following actions will result in the warranty being void.
• If the tool has been operated on a supply voltage other than that specified on the tool.
• If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
• Failure to perform maintenance as set out within the instruction manual.
• If the tool is disassembled or tampered with in any way.

ozito.com.au

WARRANTY

OZITO Australia/New Zealand (Head Office) 1-23 Letcon Drive, Bangholme, Victoria, Australia 3175.
KNOW YOUR PRODUCT

CIRCULAR SAW

WARNING! ENSURE THE TOOL IS SWITCHED OFF AND DISCONNECTED FROM THE POWER SUPPLY BEFORE PERFORMING ANY OF THE FOLLOWING TASKS.

1. DEPTH & BEVEL ADJUSTMENT

Depth Adjustment
Depth should be adjusted so that no more than one tooth is protruding through the timber. This helps to minimise splintering.

1 Loosen the depth adjustment knob.
2 Hold the baseplate down with one hand. Raise or lower the saw to the desired depth.
3 Tighten depth adjustment knob.

Bevel Adjustment

1 Loosen bevel adjustment knob.
2 Align baseplate to desired angle on bevel scale.
3 Tighten the bevel adjustment knob.
2. CONTROLS

WARNING: THE TOOL IS RECOMMENDED FOR USE WITH A RESIDUAL CURRENT DEVICE WITH A RATED RESIDUAL CURRENT OF 30mA OR LESS.

Turning On and Off
1. Press and hold the lock-off button.
2. Squeeze the on/off trigger to start the saw.
3. To stop the saw, release the on/off trigger.

Note: Allow the saw to reach full speed before beginning a cut.

WARNING: AFTER USE, HOLD THE SAW AWAY FROM YOUR BODY UNTIL THE BLADE STOPS COMPLETELY.

3. CUTTING GUIDES

Cutting Guide Notch

The cutting guide will give an approximate line of cut. For a straight cut, use the 0° notch. For a 45° cut, use the 45° notch. For higher accuracy, use the rip fence provided.

Using the Laser Light

WARNING! DO NOT STARE DIRECTLY AT THE LASER BEAM.

1. To switch the laser on, depress the laser light switch.
2. To switch the laser off, press the laser light switch again.

Note: Ensure that the laser light is switched off when the saw is not in use.

Rip Fence

The rip fence allows you to perform straight cuts with ease.

1. Insert the rip fence through the rip fence slots in the front of the baseplate.
2. Once the desired width is set, tighten the lock knob to secure in place.
4. MAKING A CUT

1. Mark the cutting line on the work piece.

2. Adjust the saw depth and bevel angle for the desired cut.

3. Attach the rip fence or turn the laser light on for an additional guide.

4. Hold the saw securely with both hands and start the tool.

5. Move the saw through the material to perform the cut. One complete, release the on/off trigger and remove the saw from the work piece.

Note: Allow the saw to reach full speed before beginning a cut.

Note: Never force the saw. Use light and continuous pressure.

5. BLADE FITMENT

The tool is recommended for wood cutting only and is not recommended for use with abrasive wheels or masonry/diamond cutting wheels. Only use 235mm wood cutting blades.

1. Press and hold the spindle lock.

2. Use hex key to rotate blade until lock engages. Remove blade bolt and outer blade flange.

3. Retract lower blade guard fully.

4. Remove and replace blade. Ensure arrows on the blade point in the same direction as the arrow on the upper blade guard.

5. Fit outer blade flange and blade bolt.

6. Depress spindle lock and tighten blade bolt with the hex key.
MAINTENANCE

• Keep the vents of the saw clean at all times. If possible, prevent foreign matter from entering the vents.
• After each use, blow air through the saw housing and guard, to ensure it is free from all dust particles which may build up. Build up of dust particles may cause the saw to overheat and fail.
• If the enclosure of the saw requires cleaning, do not use solvents but a moist soft cloth only. Never let any liquid get inside the saw; never immerse any part of the saw into a liquid.
• The grease in the gearbox will require replenishment after extensive use of the saw. Please see a power tool repairer to provide this service.

Carbon Brushes

When the carbon brushes wear out, the saw will spark and/or stop. Discontinue use as soon as this happens. They should be replaced prior to recommencing use of the saw. Carbon brushes are a wearing component of the saw therefore not covered under warranty. Continuing to use the saw when carbon brushes need to be replaced may cause permanent damage to the saw. Carbon brushes will wear out after many uses. When the carbon brushes need to be replaced, take the saw to an electrician or a power tool repairer for a quick and low cost replacement. Always replace both carbon brushes at the same time.

Note: Ozito Industries will not be responsible for any damage or injuries caused by the repair of the saw by an unauthorised person or by mishandling of the saw.

DESCRIPTION OF SYMBOLS

<table>
<thead>
<tr>
<th>V</th>
<th>Volts</th>
<th>Hz</th>
<th>Hertz</th>
</tr>
</thead>
<tbody>
<tr>
<td>~</td>
<td>Alternating current</td>
<td>W</td>
<td>Watts</td>
</tr>
<tr>
<td>No</td>
<td>No Load Speed</td>
<td>Read instruction manual</td>
<td></td>
</tr>
<tr>
<td>/min</td>
<td>Revolutions per minute</td>
<td>Double insulated</td>
<td></td>
</tr>
<tr>
<td>Mark</td>
<td>Regulatory Compliance</td>
<td>Laser Light Laser Radiation</td>
<td></td>
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<tr>
<td>Warning</td>
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SPARE PARTS

BLADES: You will find a selection of blades available from the Tool Shop at Bunnings Warehouse.

Spare parts can be ordered from the Special Orders Desk at your local Bunnings Warehouse.

For further information, or any parts not listed here, visit www.ozito.com.au or contact Ozito Customer Service:

Australia 1800 069 486
New Zealand 0508 069 486
E-mail: enquires@ozito.com.au

TROUBLESHOOTING

Circular Saw Tips

Always hold the soft grip handle with one hand and the front handle with the other. Maintain a firm grip and operate the on/off switch with a positive action.

Never force the saw. Use light and continuous pressure.

When cutting is interrupted, to resume cutting, depress the lock-off button and squeeze the on/off switch and allow the blade to reach full speed, re-enter the cut slowly and resume cutting.

When cutting across the grain, the fibres of the wood have a tendency to tear and lift. Advancing the saw slowly minimizes this effect. For a finished cut, a cross cut blade or mitre blade is recommended.

Excessive sparking visible through the housing air vents and/or the saw failing to operate

May indicate the carbon brushes have worn out and need to be replaced. Carbon brushes should only be replaced by a qualified electrician or power tool repairer.

LASER LIGHT WARNINGS

The laser light/laser radiation used in the Ozito Circular Saw CSL-235 laser is Class 2 with maximum 1mW and 650nm wavelengths. These lasers do not normally present an optical hazard, although staring at the beam may cause flash blindness.

⚠️ WARNING! Do not stare directly at the laser beam. A hazard may exist if you deliberately stare into the beam. Please observe all safety rules as follows:

• The laser shall be used and maintained in accordance with the manufacturer’s instructions.
• Never aim the beam at any person or an object other than the work piece.
• The laser beam shall not be deliberately aimed at personnel and shall be prevented from being directed towards the eye of a person for longer than 0.25s.
• Always ensure the laser beam is aimed at a sturdy work piece without reflective surface’, i.e. wood or rough coated surfaces are acceptable. Bright shiny reflective sheet steel or the like is not suitable for laser use as the reflective surface could direct the beam back at the operator.
• Do not change the laser light assembly with a different type. Repairs must only be carried out by a power tool repairer.

⚠️ Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Please refer to the relevant Australian standards, AS 2397 and AS/NZS2211 for more information on Lasers.

CARING FOR THE ENVIRONMENT

Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.

Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.
ELECTRICAL SAFETY

WARNING! When using mains-powered tools, basic safety precautions, including the following, should always be followed to reduce risk of fire, electric shock, personal injury and material damage.

Read the whole manual carefully and make sure you know how to switch the tool off in an emergency, before operating the tool.

Save these instructions and other documents supplied with this tool for future reference.

The electric motor has been designed for 230V and 240V only. Always check that the power supply corresponds to the voltage on the rating plate.

Note: The supply of 230V and 240V on Otsito tools are interchangeable for Australia and New Zealand.

This tool is double insulated; therefore no earth wire is required.

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.

1. Work area safety
   a. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
   b. 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.
   c. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2. Electrical safety
   a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any appliance plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
   b. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, and refrigerators. There is an risk of electric shock.
   c. If your body is earthed or grounded.
   d. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Carrying power tools by the cord or yanking on the cord can damage the cord and increase risk of electric shock.
   e. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of an extension cord for outdoor use reduces the risk of electric shock.
   f. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

3. Personal safety
   a. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use power tools while you are tired or under the influence of drugs, alcohol or medication.
   b. Avoid unintentional starting. Always check the power tool is switched off before any adjustments, moving parts, changing accessories, or storing power tools. 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.
   c. 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 energizing power tools that have the switch on invites accidents.
   d. 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.
   e. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
   f. 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.
   g. Use personal protective equipment. Always wear eye protection. Use hearing protection when needed. Unprotected ears or eyes increase risk of injury.
   h. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use power tools 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.
   i. Wear suitable footwear. Do not wear loose or hanging clothing, gloves or jewelry. These materials can be caught in moving parts.
   j. Do not touch a power tool with wet hands.
   k. Keep all nuts, bolts, screws and springs tight and secure before making cut. Excessive wear, loss or improper fit of parts is a common cause of kickback.
   l. Make sure all handles and grips are clean and dry. Wet handles reduce your grip and make loss of control more likely.
   m. Inspect your work area and clear it of objects that can be thrown by the power tool.
   n. Keep handles dry, clean and free of oil and grease.
   o. If power tool is used with a power source, be sure that the power source is earthed or grounded.
   p. The supply of 230V and 240V on Otsito tools are interchangeable for Australia and New Zealand.

CIRCULAR SAW SAFETY WARNINGS

WARNING! Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing, if both hands are holding the saw, they cannot be cut by the blade.

b. Do not reach underneath the workpiece. The guard cannot protect you from the blade below the workpiece.

c. Adjust the cutting depth to the thickness of the workpiece. Less than a full tooth of the blade teeth should be visible below the workpiece.

d. Never hold piece being cut in your hands or across your leg. Secure the workpiece to a stable platform. It is important to support the work properly to minimize body exposure, blade binding, or loss of control.

f. Hold power tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a “live” wire will make exposed metal parts of the power tool “live” and the tool will become a conductor of electricity.

f. When ripping always use a rip fence or straight edge guide. This improves the accuracy of cut and reduces the chance of blade binding.

g. Always use blades with correct size and shape (diamond versus round) of arbour holes. Blades that do not match the mount hardware of the saw will run eccentrically, causing loss of control.

h. Never use damaged or incorrect blades. The blade washers and bolts were specially designed for your saw, for optimum performance and safety of operation.

Further safety instructions for all saws

Causes and operator prevention of kickback:

- Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided if taking proper precautions as given below.

a. Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade. Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.

b. When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the trigger guard out of the way of the blade. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur. Investigate and take corrective actions to eliminate the cause of blade binding.

c. When restarting a saw in the workpiece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material. If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.

d. Support large panels to minimise the risk of blade pinching and kickback. Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.

e. Do not use dull or damaged blades. Blunt or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.

f. Blade depth and bevel adjusting locking levers must be tight and secure before making cut, if blade adjustment shifts while cutting, it may cause binding and kickback.

g. Use extra caution when making a “plunge cut” into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

h. Check lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position. If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.

i. Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use. The lower guard may become sluggish due to gummy deposits or build-up of debris.

j. Lower guard may be retracted manually only for special cuts such as “plunge cuts” and “compound cuts.” Raise lower guard by retracting handle and as soon as blade enters the material, the lower guard must be released. For all other lower guard should operate automatically.

k. Always observe that the lower guard is covering the blade before placing saw down on bench or floor. An unprotected, coating blade cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

This appliance 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.

Recommendations for the use of a residual current device with a rated residual current of 30mA or less.

Never hold piece being cut in your hands or across your leg. Secure the workpiece to a stable platform. It is important to support the work properly to minimise body exposure, blade binding, or loss of control.

Do not use the tool with abrasive or mosaic/wet diamond wheels. Only use blade diameter(s) in accordance with the markings on the tool.