







































COMPONENT LIST

- ☐ Lock-Off Button
- 2 On/Off Switch
- Front Handle
- Spindle Lock Button
- Base Plate Angle Scale
- Base Plate Bevel Lock Knob
- 7 Parallel Guide Lock Knoh
- Cutting Mark. 45°
- Cutting Mark. 0°
- Parallel Guide
- Base Plate
- **Lower Guard Lever**
- 13 Lower Blade Guard
- 14 Fixed Guard
- 15 Vacuum Adapter
- Battery Pack*(sold separately)
- 17 Battery Pack Release Button
- **Inner Flange (See Fig. B3)**
- **Saw Blade (See Fig. B3)**
- **Outer Flange (See Fig. B3)**
- **Blade Bolt (See Fig. B3)**
- **Cutting Deuth Scale (See Fig. K)**
- **123** Hex key (See Fig. K)
- **Cutting Denth Lock Lever (See Fig. C)**

 $[^]st$ Not all the accessories illustrated or described are included in standard delivery.

ACCESSORIES

Hex key Dust adapter Saw blade Parallel guide

We recommend that you purchase your accessories from the same store that sold you the tool. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

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

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- 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

- 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.
- b) 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.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) 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.
- e) 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.
- 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.

Personal safety

- a) 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.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 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 energising 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.
- 1) Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- g) 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.
- h) 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.
- 4) Power tool use and care
- a) 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.
- b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) Disconnect the plug from the power source and/ or remove the battery pack, if detachable, 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.
- d) 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.
- e) Maintain power tools and accessories. 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.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) 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.
- h) 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.
- 5) Battery tool use and care
- a) 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.
- b) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- c) 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.
- d) 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.
- g) 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.
- 6) Service

maintained.

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

SAFETY INSTRUCTIONS FOR ALL SAWS

- DANGER: Keep hands away from cutting area and the blade. Keep your second hand on front handle. 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 workpiece in your hands or across your leg while cutting. 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.
- e) Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will also make exposed metal parts of the power tool "live" and could give the operator an electric shock
- 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 mounting hardware of the saw will run off-centre, causing loss of control.
- h) Never use damaged or incorrect blade washers or bolt. The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.

FURTHER SAFETY INSTRUCTIONS FOR ALL SAWS KICKBACK CAUSES AND RELATED WARNINGS

- kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator;
- when the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;
- if the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.
 - Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by 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 saw motionless in the material until the blade comes to a complete stop. 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. Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.
- 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 sawing into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

the blade before placing saw down on bench or

floor. An unprotected, coasting blade will 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.

ADDITIONAL SAFETY RULES FOR YOUR CIRCULAR SAW

- Only use saw blades recommended in the specification.
- 2. Do not use any abrasive wheels.
- Use only blade diameter(s) in accordance with the markings.
- Identify the correct saw blade to be used for the material to be cut.
- Use only saw blades that are marked with a speed equal or higher than the speed marked on the tool.

SAFETY INSTRUCTIONS FOR SAWS LOWER GUARD FUNCTION

- a) 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.
- b) Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use. Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.
- c) 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 sawing, the lower guard should operate automatically.
- d) Always observe that the lower guard is covering

GENERAL SAFETY WARNINGS FOR YOUR BATTERY CHARGER

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.

- 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.
- Children should be supervised to ensure that they do not play with the appliance.

 If the supply cord is damaged, it must be replaced by the manufacturer its cornics agent or similarly.

 Output

 Description:

by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR BATTERY CHARGER

- 1. Before charging, read the instructions.
- 2. For charge Li-ion battery pack only.
- 3. Do not charge a leaking battery.
- Do not use chargers for works other than those for which they are designed.
- Before charging, ensure your charger is matching the local AC supply.
- The charging device must be protected from moisture.
- 7. Do not use the charging device in the open.
- 8. Do not short out the contacts of battery or charger.
- 9. Respect the polarity "+/-" when charging.
- Do not open the unit and keep out of the reach of children.
- Do not charge the batteries of other manufactures or ill-suited models.
- Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
- Keep battery charger's slots are free of foreign objects and protect against dirt and humidity.
 Store in a dry and frost-free place.
- 14. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
- Do not recharge non-rechargeable batteries, as they can overheat and break.
- 16. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 4.5°C, or above 40.5°C. This is important as it can prevent serious damage to the battery pack.
- Charge only battery pack of the same model provided by POSITEC and of models recommended by POSITEC.

SAFETY WARNINGS FOR BATTERY PACK

- a) Do not dismantle, open or shred cells or battery pack.
- b) Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials. 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.
- Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.
- d) Do not subject battery pack to mechanical shock.
- e) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Seek medical advice immediately if a cell or battery pack has been swallowed.
- g) Keep battery pack clean and dry.
- Wipe the battery pack terminals with a clean dry cloth if they become dirty.
- Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.
- i) Do not maintain battery pack on charge when not in use.
- k) After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
- Battery pack gives its best performance when it is operated at normal room temperature (20 °C ± 5 °C).
- m) When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.
- Recharge only with the charger specified by POSITEC.
 Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Do not use any battery pack which is not designed for use with the equipment.
- p) Keep battery pack out of the reach of children.
- g) Retain the original product literature for future reference.
- Remove the battery from the equipment when not in use.
- s) Dispose of properly.

SYMBOLS



To reduce the risk of injury, user must read instruction manual



Warning



Wear ear protection



Wear eye protection



Wear dust mask



RCM marking





Do not dispose of batteries, Return exhausted batteries to your local i-Ion Li-Ion collection or recycling point.



Do not burn



Do not expose to rain or water



For indoor use only



Fuse



Positive terminal



Negative terminal



Read the operator's manual.

ABN: Australian Business Number. By this number, business information such as entity type, status, business location etc. can be found at website http://abr.business.gov.au.

ABN of Positec Australia Ptv Ltd is 14 101 682 357

TECHNICAL DATA

Voltage	18V
No load speed	4500 /min
Blade diameter	150 mm
Cutting capacity	
Cutting Depth at 90°	45mm
Cutting Depth at 45°	30mm
Bevel capacity	0-45 degree
Machine weight	2.08kg

OPERATING INSTRUCTIONS



NOTE: Before using the tool, read the instruction book carefully.

Intended Use

The machine is intended for lengthways and crossways cutting of wood with straight cutting lines as well as bevel angles to 45° while resting firmly on the work piece.

CHARGING PROCEDURE REFORE PUTTING INTO OPERATION A) CHARGING THE BATTERY

The battery charger supplied is matched to the Liion battery installed in the machine. Do not use another battery charger.

The Li-ion battery is protected against deep discharging. When the battery is empty, the machine is switched off by means of a protective circuit: The tool holder no longer rotates. In a warm environment or after heavy use, the battery pack may become too hot to permit charging. Allow time for the battery to cool down before recharging.

When the battery pack is charged for the first time and after prolonged storage, the battery pack will accept a 100% charge after several charge and

discharge cycles.

B) TO REMOVE THE BATTERY PACK (SEE FIG. A1)

Depress the Battery Pack Release Button (17) firmly first and then slide the Battery Pack out from your tool.

C) TO INSTALL THE BATTERY PACK (SEE FIG. A2)

Slide the fully charged Battery Pack onto the tool with sufficient force until it clicks into position.

D) HOW TO CHARGE YOUR BATTERY PACK (SEE FIG. A3) NOTE:

- a) Do not use any charger other than that specifically provided for use with the equipment.
- b) If the battery pack is very hot you must remove your battery pack from the charger and allow time for the battery to cool down before recharging.
- c) The battery in your new tool is not charged when it leaves the plant. Therefore it must be full charged before using the first time.
- d) Please charge the battery to reach full or no less than half charge before storage. If the tool will not be used for long periods of time, charge the battery every 3-6 months.

Charging procedure

- Plug the charger into an appropriate outlet. The light will be green.
- Slide the battery pack into the charger, the light will turn to red to indicate the charging process has started.
- When charging is completed, the light will turn to green. The pack is now fully charged, unplug the charger and remove the battery pack.

WARNING: When battery charge runs out
after continuously use or exposure to
direct sunlight or heat, allow time for the tool to cool
down before re-charging to achieve the full charge.

Light Status

Red on Charging

Green on Fully Charged

Battery charger and battery pack illustrated or described are not included in RD2914.9 delivery.

ADJUSTMENT

- 1. CHANGING THE SAW BLADE (SEE FIG. B1. B2. B3)
- Before any work on the machine itself, remove the battery.
- Wear protective gloves when mounting the saw blade. Danger of injury when touching the saw blade.
- Only use saw blades that correspond with the characteristic data given in the operating instructions.
- Do not under any circumstances use grinding discs as the cutting tool.

For changing the cutting tool, it is best to place the machine on the face side of the motor housing.

REMOVING

Press the spindle lock button (4) and keep it depressed. The spindle lock button (4) may be actuated only when the saw blade is at a standstill.

Loosen the blade bolt (21) in clockwise direction with the hex key (23). Remove the outer flange (20). Tilt back the lower blade guard (13) and hold it firmly with the lower guard lever (12). Remove the saw blade (19).

MOUNTING

Clean the saw blade and all the clamping parts to be assembled. Tilt back the lower blade guard (13) and hold it firmly with the lower guard lever (12). Place the saw blade (19) onto the inner flange (18). Assemble the outer flange (20) and the blade bolt (21). Use the hex key to tighten the blade bolt (21) in anti-clockwise direction with 1/4 turn more than finger tight.

- Take care that the mounting positions of the inner flange and outer flange are correct.
- When mounting: Ensure that the cutting direction of the teeth (direction of arrow on saw blade) and the direction-of-rotation arrow on the blade guard match.

2. ADJUST THE CUTTING DEPTH (SEE FIG.C)

Lift the cutting depth lock lever (24) and raise the saw body away from the base plate. Set the depth of cut with the scale and push the lever down to lock. Always add 3mm to your depth of cut so that the blade can cut through the material. Turn the base plate bevel lock (6) in anti-clockwise direction to loosen the angle scale (5). Tilt the base plate away from the machine to the required position on the angle scale. Tighten the bevel lock (6) by turning it in clockwise direction. Do not use the depth of cut scale when making bevel cuts due to possible inaccuracy.

4. DUST/CHIP EXTRACTION (SEE FIG. E)

Fasten the vacuum adapter (15) onto the dust extraction outlet (27) until it latches. Directly connect a suitable vacuum hose to the adapter.

Note: There is an arrow on the surface of the adapter. Tighten then in this direction.

The vacuum adapter must not be mounted when the external dust extraction is not connected. Otherwise there is danger of the extraction system becoming clogged.

Clean the vacuum adapter regularly to ensure optimum dust extraction. The vacuum cleaner must be suitable for the material to be worked.

USING THE CIRCULAR SAW 5. HAND GRIP POSITION (SEE FIG. F)

Always hold your saw firmly with both hands when operating.

6. SWITCHING ON AND OFF (SEE FIG. G)

The switch is locked off to prevent accidental starting. Depress the lock off button (1) then the on/off switch (2) and release the lock off button (1). Your switch is now on. To switch off, just release the on/off switch (2).

The blade may continue to rotate after switching off. Wait until the blade comes to a complete stop before setting down.

7. CUTTING GUIDE (SEE FIG. H1. H2)

There is a cutting guide notch on the front of the base plate for use with a parallel guide. For straight cuts, use the 0° guide mark (9) to align with your parallel guide scale. For a 45° bevel cut, use the 45° guide mark (8) to align with your parallel guide scale. Securely clamp the parallel guide. Always make a trial cut to check the setting.

8. PARALLEL GUIDE ADJUSTMENT (SEE FIG. 1)

It is used for making cuts parallel to a workpiece edge at a chosen distance. Slide the parallel guide arm through the fixture to achieve the required cutting distance then tighten the lock knob to clamp. It can be used from both sides of the base plate. For straight cuts, use the 0° guide mark to align with your parallel guide scale. For a 45° bevel cut, use the 45° guide mark to align with your parallel guide scale. Securely clamp the parallel guide.

Note: It is best to carry out a trial cut.

9. BEVEL CUTS (SEE FIG. J)

Set required bevel angle between 0° and 45°. Do not use the depth of cut scale when making bevel cuts due to possible inaccuracy.

10. HEX KEY STORAGE (SEE FIG. K)

The hex key provided can be placed in the area under the machine motor.

WORKING HINTS FOR YOUR CORDLESS CIRCULAR SAW

Always use a blade suited to the material and material thickness to be cut. The quality of cut will improve as the number of blade teeth increase. Always ensure the work-piece is firmly held or clamped to prevent movement. Support large panels close to the cut line. Any movement of the material may affect the quality of the cut. The blade cuts on the upward stroke and may chip the uppermost surface or edges of your work piece when cutting, ensure your uppermost surface is a non visible surface when your work is finished. Before switching the saw on, check that the saw blade is properly fitted, that all moving parts run smoothly and that the clamping screws are tight. Be sure the blade is not in contact with the workpiece or any other object before switching the tool on. Never turn the saw on or off when it is in contact with the workpiece. This may cause damage to the workpiece or result in personal injury. The blade will continue to run momentarily after the saw is switched off. Always wait until the blade has come to a complete stop before putting the tool down.

Do not use damaged or blunt saw blades as this may

damage the workpiece and could cause injury.

MAINTENANCE

Remove the battery pack from the tool before carrying out any adjustment, servicing or maintenance.

Your power tool requires no additional lubrication or maintenance.

There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.



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