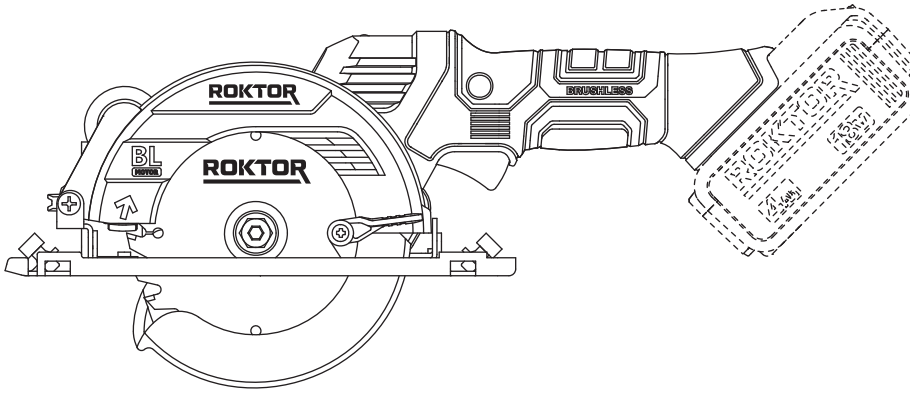
**ORIGINAL USER INSTRUCTIONS**

# 18V BRUSHLESS CORDLESS MINI CIRCULAR SAW

SKU: AJ042



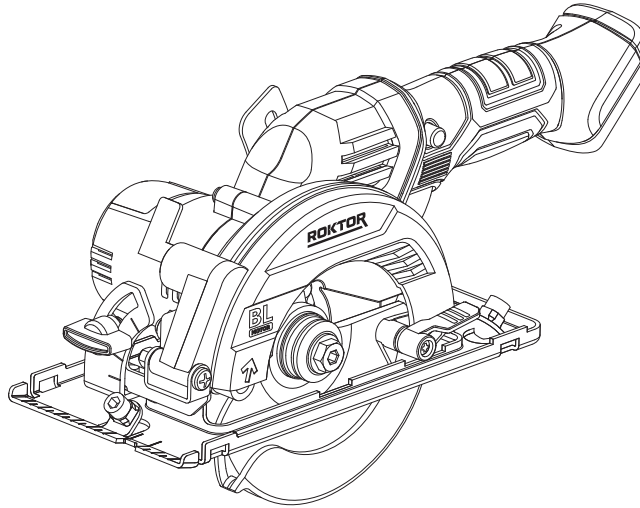

**READ BEFORE USE**
**PLEASE KEEP THESE INSTRUCTIONS FOR FURTHER REFERENCE**

Helpline: +44 3331 880059
Email: roktor.support@positecgroup.com

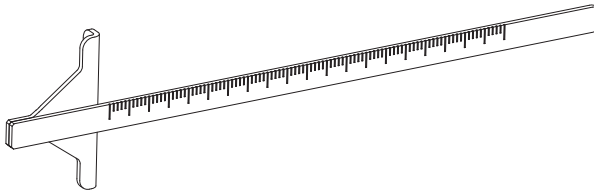
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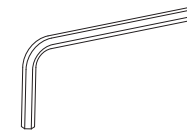
## WHAT'S IN THE BOX



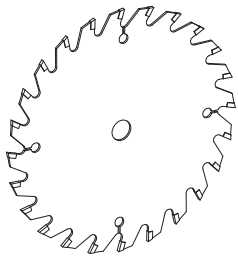

Circular saw



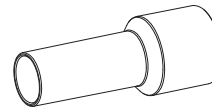
Parallel guide



Hex key



TCT blade 24T



Vacuum adaptor



User instruction manual

# SPECIFICATIONS

- 18V ⎓
- 0-45° bevel cutting adjustment
- Brushless motor
- Quick cutting depth adjustment

**TECHNICAL DATA**

| | | |
|---|---|---|
| SKU/Model | | AJ042 (CSC18BD2.9) |
| Voltage | | 18V ⎓ |
| No-load speed | | 6100 /min |
| Blade size | | 120 mm |
| Disc bore size | | 9.5 mm |
| Bevel capacity | | 0-45° |
| Cutting capacity | 90° | 41 mm |
| | 45° | 29.5 mm |
| Net weight approx.(kg) | | 1.85 kg |
| A weighted sound pressure $L_{pA}$ ($K_{pA}$= 3 dB(A)) | | 95,6 dB(A) |
| A weighted sound power $L_{wA}$ ($K_{wA}$= 3 dB(A)) | | 106,6 dB(A) |
| Vibration level $a_h$ (K= 1,5 m/s²)<br>Cutting wood<br>Cutting metal<br>Cutting diamond | | <br>$a_{h,W}$ = 4,872 m/s²<br>$a_{h,M}$ = 4,179 m/s²<br>$a_h$ = 5.328 m/s² |

The declared vibration total value and the declared noise emission value have been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value and the declared noise emission value may also be used in a preliminary assessment of exposure.

**WARNING:** The vibration and noise emissions during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used, dependent on what kind of workpiece is processed, and dependent on the following examples and other variations on how the tool is used:

- How the tool is used and the materials being cut.
- The tool being in good condition and well maintained.
- The use of the correct accessory for the tool and ensuring it is sharp and in good condition.
- The tightness of the grip on the handles and if any anti-vibration and noise accessories are used.
- The tool is being used as intended by its design and these instructions.

**This tool may cause hand-arm vibration syndrome if its use is not adequately managed.**

**WARNING:** To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle, such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period, helping to minimise your vibration and noise exposure risk.

Always use sharp blades.
Maintain this tool in accordance with these instructions and keep it well lubricated (where appropriate).
If the tool is to be used regularly then invest in anti-vibration and noise accessories.
Plan your work schedule to spread any high vibration tool use across a number of days.

**SUITABLE BATTERY PACKS**

| Item number | AJ038 (ABP1820TD5) | AJ062 (ABP1840TD5) | AJ061 (ABP1850TD5) |
|---|---|---|---|
| Battery capacity | 2.0Ah | 4.0Ah | 5.0Ah |
| | Not included | Not included | Not included |

**SUITABLE CHARGERS**

| Item number | AJ069 (ACG1824D) | AJ067 (ACG1840D1) |
|---|---|---|
| Charger input | 100-240V~50/60Hz, 60 W | 100-240V~50/60Hz, 100 W |
| Charger output | 20V ⎓ 2.4A | 20V ⎓ 4.0A |
| Charger protection class | ⧈/II | ⧈/II |
| | Not included | Not included |

Suitable battery packs or chargers are available on https://www.toolstation.com

**WARNING:** Only use genuine Toolstation battery packs listed above. Use of unapproved batteries may result in fire, explosion or electric shock.

## EXPLANATIONS AND SYMBOLS, CAUTIONS AND WARNINGS


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


Risk of damage or injury if the instructions in this manual are not followed


Wear eye protection


Wear ear protection


Wear a dust mask


Always wear gloves


Batteries may enter water cycle if disposed improperly, which can be hazardous for the ecosystem. Do not dispose of waste batteries as unsorted municipal waste.



Do not burn




Li-ion battery. This product has been marked with a symbol relating to ‘separate collection’ for all battery packs. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.





For indoor use only



Read the operator’s manual



Positive terminal



Negative terminal




Fuse



Double insulation



The product complies with the applicable European Directives and an evaluation method of conformity for these Directives was carried out.




UK Conformity Assessed

# IMPORTANT SAFETY WARNINGS



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

**GENERAL POWER TOOL SAFETY WARNINGS**



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

**Save all warnings and 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 adaptor 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.*

**3) 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.*
f) **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.*
e) **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.*

**f)** **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**

**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 maintained.*

**b)** **Never service damaged battery packs.** *Service of battery packs should only be performed by the manufacturer or authorised service providers.*

**CIRCULAR SAW SAFETY WARNINGS**

**Safety instructions for all saws**

**Cutting procedures**

**a)** **DANGER: 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 the 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, when performing an operation where the cutting tool may contact hidden wiring.** *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, jammed 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 jammed 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 so that the saw teeth are not engaged into the material.** *If a saw blade binds, 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.*

f) **Blade depth and bevel adjusting locking levers must be tight and secure before making the 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.*

**Safety instructions for saws (circular saw with inner pendulum guard)**
**Lower guard function**

a) **Check the lower guard for proper closing before each use. Do not operate the saw if the lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.** *If the saw is accidentally dropped, the 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) **The lower guard may be retracted manually only for special cuts such as "plunge cuts" and "compound cuts." Raise the lower guard by retracting handle and as soon as the 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 the blade before placing the 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**

1. Use only saw blades recommended by the manufacturer, which conform to EN 847-1, if intended for wood and analogous materials.
2. Do not use any abrasive wheels.
3. Use only blade diameter(s) in accordance with the markings.
4. Identify the correct saw blade to be used for the material to be cut.
5. Use only saw blades that are marked with a speed equal or higher than the speed marked on the tool.

**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.
c) **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.**
f) **Keep battery pack clean and dry.**
g) **Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
h) **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.**
j) **After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
k) **Recharge only with the charger specified by manufacturer. Do not use any charger other than that specifically provided for use with the equipment.**
l) **Do not use any battery pack which is not designed for use with the equipment.**
m) **Keep battery pack out of the reach of children.**
n) **Retain the original product literature for future reference.**
o) **Remove the battery from the equipment when not in use.**
p) **Dispose of properly.**
q) **Do not mix cells of different manufacturers, capacity, size or type within a device.**
r) **Keep the battery away from microwaves and high pressure.**
s) **Warning! Do not use non-rechargeable batteries.**
s) **Warning! Do not use non-rechargeable batteries.**
t) **The normal temperature range for charging the battery is 0-40°C.**
u) **Do not expose the appliance or battery to excessive temperatures.**

**SAFETY WARNINGS FOR 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.**

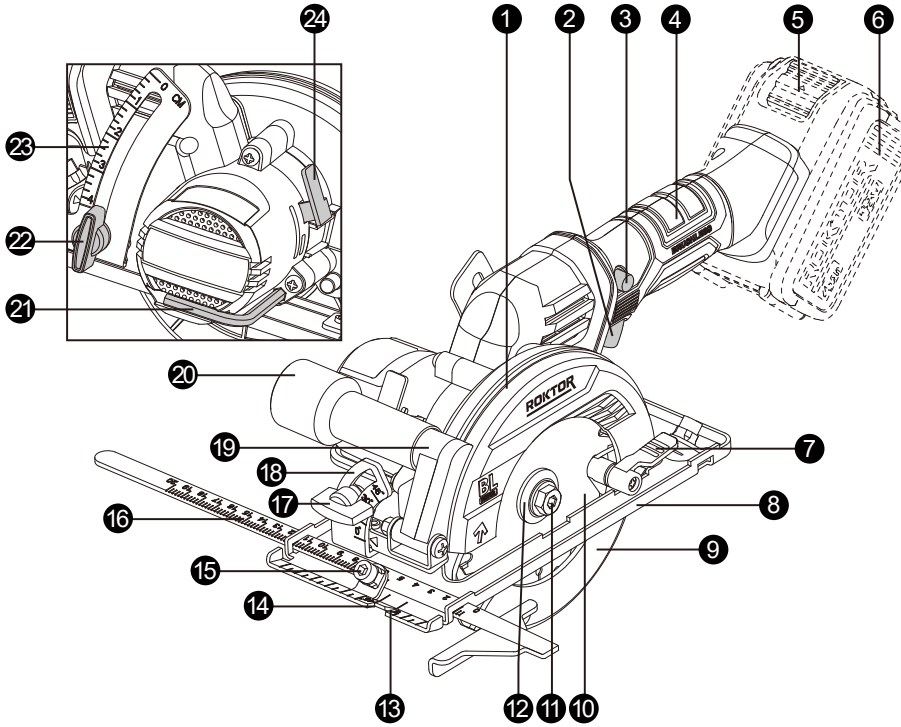
This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

If the supply cord is damaged, it must be replaced 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. Do not charge a leaking battery.
3. Do not use chargers for works other than those for which they are designed.
4. Before charging, ensure your charger matches the local AC supply.
5. For indoor use, do not expose to rain.
6. The charging device must be protected from moisture.
7. Do not use the charging device outdoors.
8. Do not short out the contacts of battery or charger.
9. Respect the polarity “+/-” when charging.
10. Do not open the unit and keep out of the reach of children.
11. Do not charge the batteries of other manufacturers or ill-suited models.
12. Ensure that the connection between the battery charger and battery is correctly positioned.
13. Keep battery charger’s slots 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.
15. 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 0°C, or above 40°C. This is important as it can prevent serious damage to the battery pack.
17. Charge only battery pack of the same model provided by manufacturer and of models recommended by manufacturer.

# PRODUCT DESCRIPTION AND IDENTIFICATIONS




1. Fixed upper blade guard
2. On/off switch
3. Lock-off button
4. Soft grip handle
5. Battery pack release button (not supplied)
6. Battery pack (not supplied)
7. Lower guard release lever
8. Base plate
9. Lower guard
10. Saw blade
11. Washer and blade bolt
12. Outer flange
13. Cutting mark, 0°
14. Cutting mark, 45°
15. Parallel guide clamping fixture
16. Parallel guide
17. Base plate bevel adjustment knob
18. Base plate angle scale
19. Dust extraction outlet
20. Vacuum adaptor
21. Hex key
22. Cutting depth adjustment knob
23. Cutting depth scale
24. Spindle lock button
25. Inner flange (see fig. 1-3)
26. LED light (see fig. 12)

# ASSEMBLY AND OPERATING INSTRUCTIONS

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

The tool is packaged with some parts that are unattached and require a little simple assembly.

**WARNING:** Do not operate until fully assembled and with all parts correctly attached. Blade teeth are very sharp. Handle with extreme care.

**ASSEMBLY**

**1. REMOVING OR INSTALLING SAW BLADE**

**WARNING: Remove the battery pack from the machine before carrying out any adjustment, servicing or maintenance.**

**WARNING: Blade teeth are very sharp. Always wear protective gloves. For best cutting results, ensure you use a saw blade suited to the material and cut quality you need.**

**WARNING: When mounting the blade, ensure that the cutting direction of the teeth (as indicated by the arrow on the saw blade) matches the direction of rotation shown by the arrow on the blade guard.**

**- To remove (See Fig. 1-1 & 1-2)**

1) Press the spindle lock button and keep it depressed. The spindle lock button may be actuated only when the saw blade is at a standstill.
2) Push the lower guard release lever counterclockwise to the left; the guard will move synchronously. Hold the guard firmly in position using the lower guard release lever.
3) Loosen the blade bolt in clockwise direction with the hex key provided. Remove the blade bolt, washer, outer flange and the saw blade.

**NOTE:** If the machine is not in use temporarily, the blade bolt, washer and outer flange can be cleaned and installed back on the machine to avoid loss.

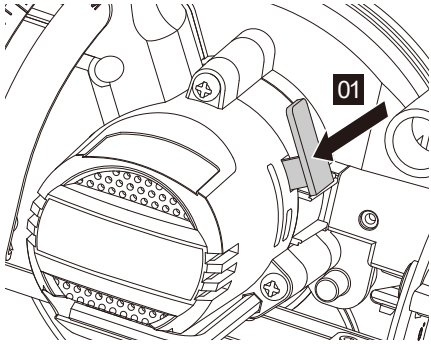



**Figure 1-1**

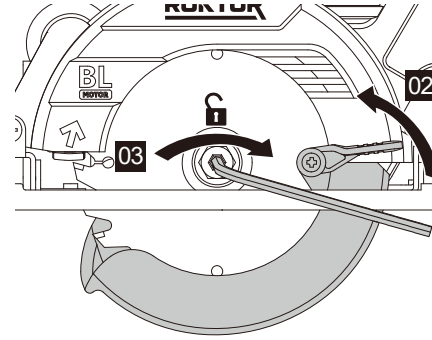



**Figure 1-2**

**- To install (See Fig. 1-3 & 1-4 & 1-5)**

1) Clean the saw blade and all the clamping parts to be assembled. Push the lower guard release lever counterclockwise to the left; the guard will move synchronously. Hold the guard firmly in position using the lower guard release lever.
2) Place the blade onto the inner flange, then install the outer flange, washer, and blade bolt onto the spindle. Depress the spindle lock button and keep it depressed. Tighten the blade bolt counterclockwise using the hex key.
3) Check that the blade is securely fastened by continuing to hold down the spindle lock button and attempting to manually rotate the blade. If installed correctly, the blade should not spin.

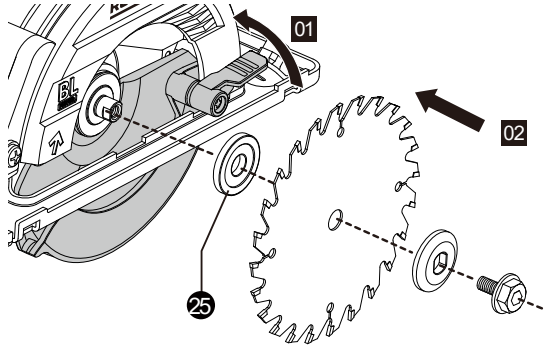



**Figure 1-3**

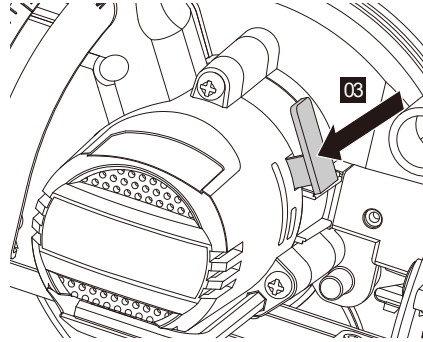



**Figure 1-4**

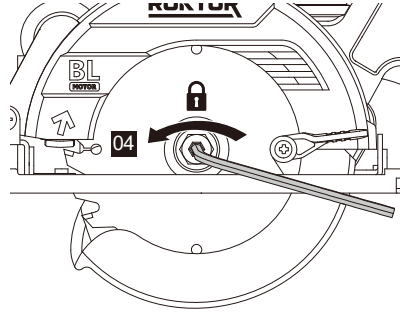



**Figure 1-5**

**2. VACUUM ADAPTOR FITTING (SEE FIG. 2)**

Your saw is equipped with a dust extraction outlet that can be connected to a vacuum adaptor for efficient dust removal. To install the vacuum adaptor, simply insert it into the dust extraction outlet until it is securely fitted.

The adaptor port can be connected to a vacuum cleaner (sold separately). Use of a vacuum cleaner is strongly recommended, as it helps keep the work area clean, significantly improves cutting visibility, and reduces airborne dust. It also helps prevent dust from entering the guard and other moving components, thereby improving performance and extending tool life.

**WARNING: The vacuum adaptor must not be mounted when no external dust extraction is connected. Otherwise there is danger of the extraction system becoming clogged. Clean the vacuum adaptor regularly to ensure optimum dust extraction. The vacuum cleaner must be suitable for the material to be worked.**

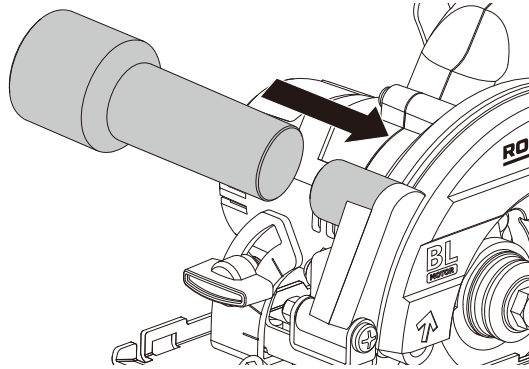


**Figure 2**

**3. PARALLEL GUIDE FITTING (SEE FIG. 3)**

The parallel guide enables exact cuts along a workpiece edge and cutting strips of the same dimension. Use the hex key to rotate the parallel guide clamping bolt counterclockwise to loosen. Slide the parallel guide arm through the fixture to achieve the required cutting distance then tighten the clamping bolt clockwise to clamp. It can be used from both sides of the base plate.

**NOTE:** It is best to carry out a trial cut before cutting your workpiece.

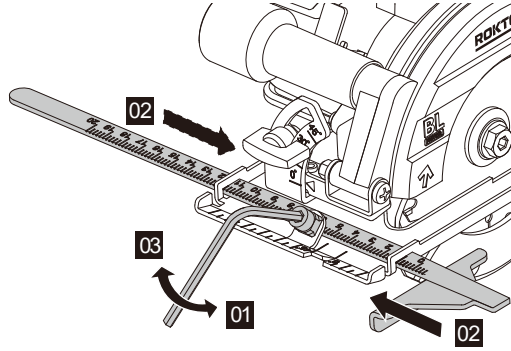



**Figure 3**

**4. CHARGING THE BATTERY PACK (NOT SUPPLIED) (SEE FIG. 4)**

1) Plug the charger into an appropriate outlet.

2) Slide the battery pack into the charger. The light will become green and flash to show charging has started. After fully charged, the green light stays on.

**NOTE:** If the battery pack is locked in the charger, press the battery pack release button and remove it.

**NOTE:** Do not use any charger other than that specifically provided for use with the equipment. 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.

Please charge the battery to reach full before storage. If the tool will not be used for long periods of time, charge the battery every 3 months.

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

**WARNING:** Do not charge the battery on flammable surfaces or near combustible materials.

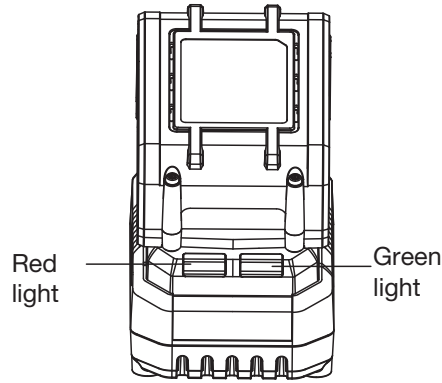



**Figure 4**

**5. INSTALLING & REMOVING THE BATTERY PACK (NOT SUPPLIED) (SEE FIG. 5-1 & 5-2)**

To install the battery pack, slide the fully charged battery pack onto the tool with sufficient force until it clicks into position.

To remove the battery pack, depress the battery pack release button firmly first, then slide the battery pack out from your tool.

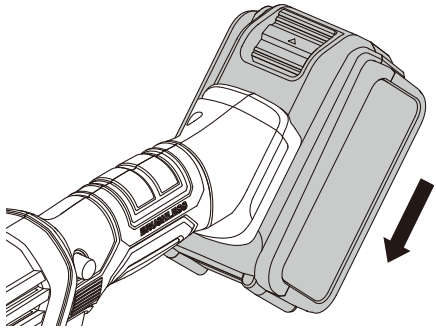


**Figure 5-1**

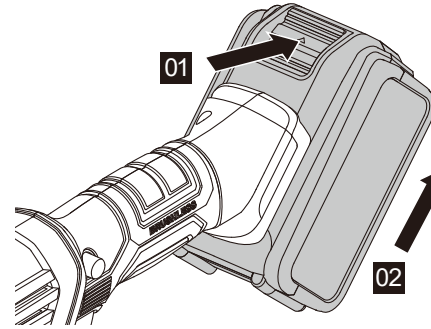



**Figure 5-2**

**OPERATION**
**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 workpiece.

**1. CUTTING DEPTH ADJUSTMENT (SEE FIG. 6-1 & 6-2)**
1) Determine the desired depth according to the thickness of the material plus a blade allowance of 3mm.
2) Rotate the depth adjustment knob counterclockwise to loosen the base plate.
3) Manually lift the machine handle upwards away from the base plate or downwards towards the base plate to achieve a desired depth, by aligning the triangular depth indicator with the depth scale.
4) Rotate the depth adjustment knob clockwise to lock the base plate at the desired depth.

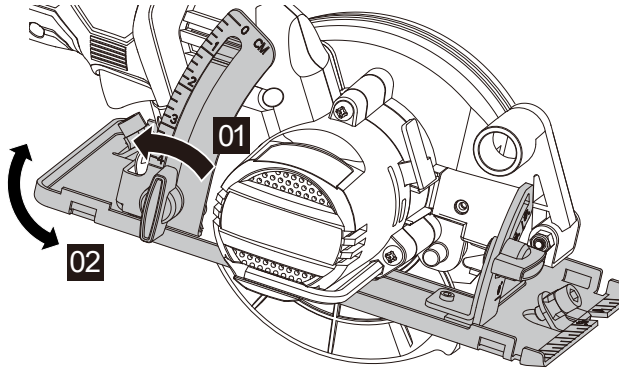



**Figure 6-1**

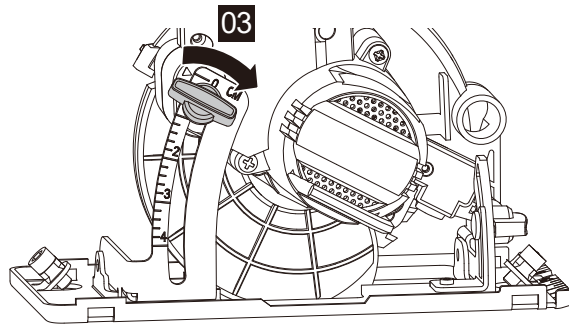



**Figure 6-2**

**2. CUTTING ANGLE ADJUSTMENT (SEE FIG. 7)**

Turn the base plate bevel adjustment knob in counterclockwise direction to loosen the angle scale. Tilt the base plate away from the machine until the required cutting angle is adjusted on the angle scale.

Tighten the bevel adjustment knob by turning it in clockwise direction. Do not use the depth of cut scale when making bevel cuts due to possible inaccuracy.

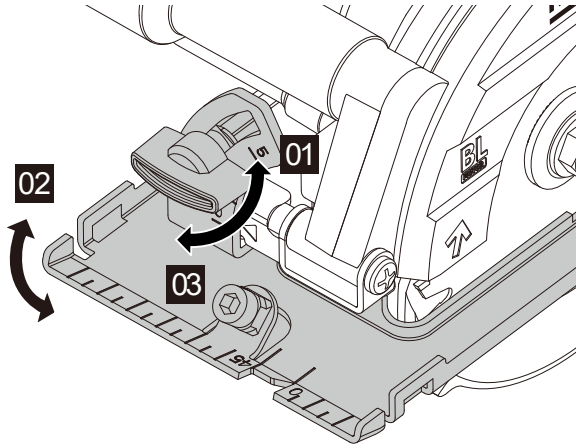



**Figure 7**

**3. SAFETY SWITCH AND ON/OFF SWITCH (SEE FIG. 8)**

**WARNING: To avoid cutting injury from the sharp blade, please don't put your hands around the base plate.**

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

The on/off switch is fitted with a brake function which stops your tool immediately when you quickly release the switch. The blade may continue to rotate after switching off. Wait until the machine comes to a complete stop before setting down.

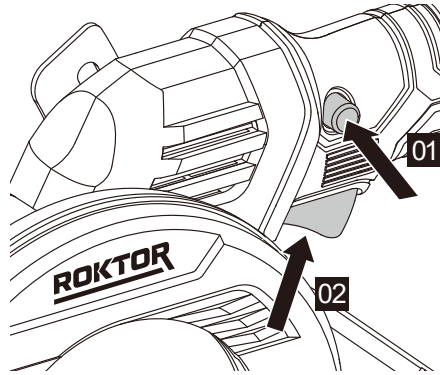



**Figure 8**

**4. CUTTING GUIDE (SEE FIG. 9)**

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

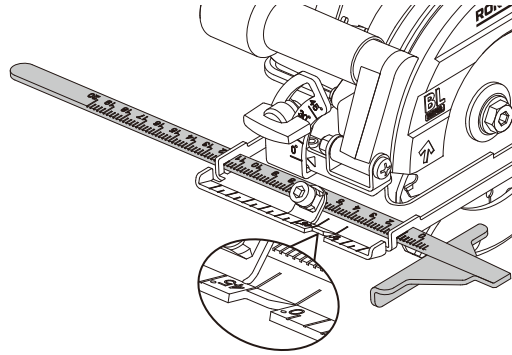


**Figure 9**

**5. POCKET CUTTING & PLUNGE CUTTING (SEE FIG. 10)**

**WARNING: Always maintain proper control of the saw to make sawing safer and easier. Loss of control of the saw may cause serious injury.**

1) Adjust the base plate so the blade cuts at desired depth.
2) Tilt the saw forward and rest front of the base plate on material to be cut.
3) Push the lower guard lever counterclockwise to the left side, retract the lower blade guard to an upward position. Lower the rear of the base plate until the blade teeth almost touch the cutting line.
4) Release the lower guard. The guard will be held open automatically by contact with the workpiece as the cut starts. Remove your hand from the lower guard lever and firmly grip the soft handle. Position your body and arm to allow you to resist kickback if it occurs.
5) Make sure blade is not in contact with cutting surface before starting saw.
6) Start the motor and gradually lower the saw until its base plate rests flat on the material to be cut. Advance saw along the cutting line until cut is completed.
7) Release the on/off switch and allow the blade to stop completely before withdrawing the blade from the material.
8) When starting each new cut, repeat the above steps.

**NOTE:**

- Make a trial cut in scrap material along your cut mark to determine how much the blade thickness. If any, you should offset the blade from the cut mark to allow for the blade thickness to get an accurate cut.
- DO NOT REMOVE the saw and blade from the workpiece while the blade is moving. It may damage the cut (kerf), cause kickback and loss of control, and result in injury.

**WARNING: Plunge cutting increases the risk of kickback. Always ensure the blade is clear of the workpiece before starting the tool.**

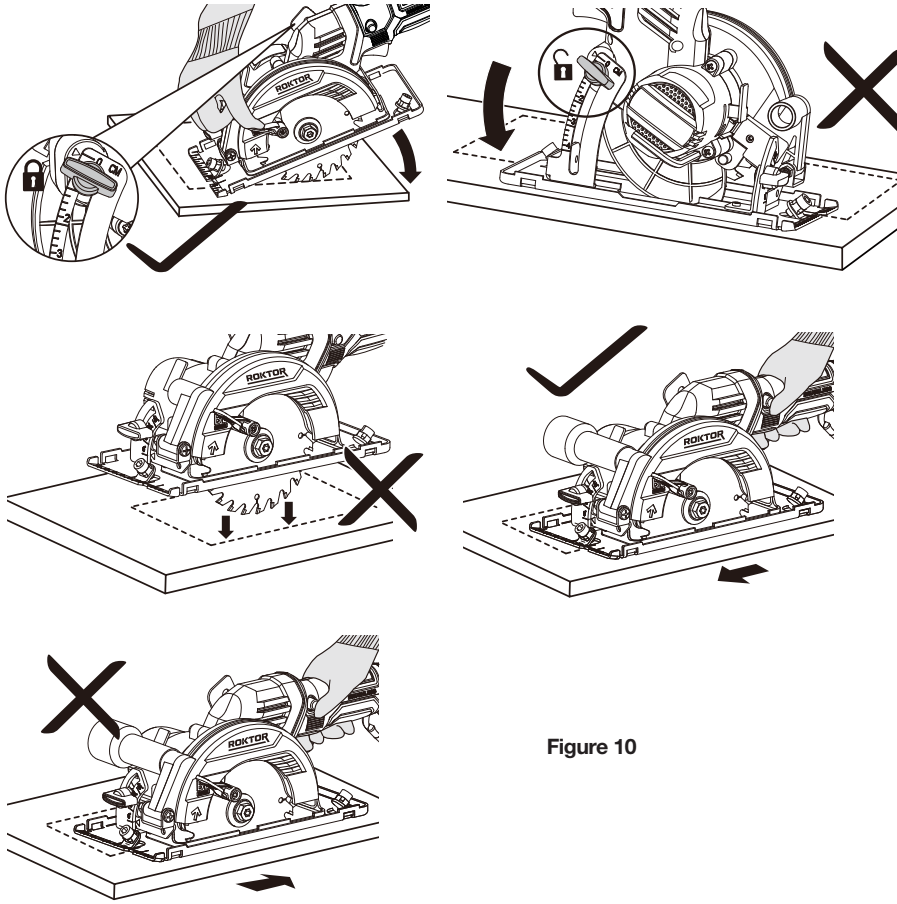



**Figure 10**

**6. HEX KEY STORAGE (SEE FIG. 11)**

The hex key is placed at the position as shown.

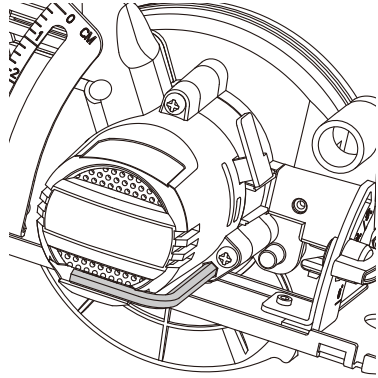


**Figure 11**

**7. LED LIGHT (SEE FIG. 12)**

To turn on the LED light, press the on/off switch. When you release the on/off switch, the light will be off. LED lighting increases visibility; great for dark or enclosed areas.

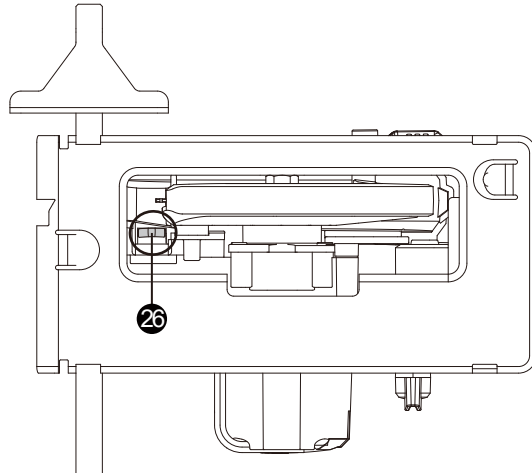



**Figure 12**

**8. WORKING HINTS FOR YOUR MINI 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 workpiece 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 workpiece when cutting, ensure your uppermost surface is a non visible surface when your work is finished.

**9. PROTECTION AGAINST DEEP DISCHARGING**

The Li-ion battery is protected against deep discharging by the “Discharging Protection System”. When the battery is empty, the machine is switched off by means of a protective circuit: The inserted tool no longer rotates.

# CARE AND CLEANING

**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.

- Remove the battery pack and allow the tool rotation to stop.
- Use a slightly damp cloth to clean the enclosure. Do not allow water to enter the tool.
- Do not use any chemical or abrasive cleaners.
- When the tool is not used for long periods of time, it should be protected from dust and stored in a clean dry place.
- Clean it with a soft cloth. If the dust is difficult to wipe away, rub it with soapy water.
- Store the tool and battery pack in a dry, frost-free place, away from direct sunlight and heat sources.
- **CAUTION:** Blade teeth are very sharp. Handle with extreme care.
- **WARNING!** Remove the battery pack from the tool before cleaning.

**- For battery tools**
The ambient temperature range for use and storage of tool and battery is between 0 °C and 45 °C.
The recommended ambient temperature range for the charging station is between 0 °C and 40 °C.

# TROUBLESHOOTING

Use this section to help you to try and solve any problems you may have:

| PROBLEM | POSSIBLE CAUSES | REMEDIES |
|---|---|---|
| The tool is not operating. | • Battery pack discharged<br>• Battery pack not properly installed<br>• Battery pack too hot or too cold<br>• On/off switch defective<br>• Internal wiring damaged | • Recharge the battery pack.<br>• Reinstall the battery pack correctly.<br>• Allow the battery to cool down or warm up to room temperature.<br>• Contact Customer Service Centre.<br>• Contact Customer Service Centre. |
| Saw stops during operation | • Motor is broken.<br>• Battery pack not fully charged.<br>• Overload protection activated<br>• Battery overheating | • Contact Customer Service Centre.<br>• Recharge battery pack.<br>• Reduce cutting pressure and allow the tool to reset<br>• Let the battery cool before resuming work |
| Excessive vibration or strange noises | • Motor is broken.<br>• Loose blade or mounting components<br>• Damaged blade | • Contact Customer Service Centre.<br>• Tighten the blade and check all fasteners<br>• Replace the blade |
| Uneven or rough cuts | • Dull or incorrect blade type<br>• Saw is not being guided steadily | • Use a sharp blade suitable for the material being cut<br>• Maintain firm, even pressure while cutting |
| Overheating or burning smell | • Cutting too fast or applying too much pressure can overheat the motor.<br>• Dust and debris can clog vents, causing overheating.<br>• A burning smell could indicate a short circuit, damaged wiring, or a failing motor. | • Let the saw cool.<br>• Clean the ventilation openings<br>• Stop use immediately and inspect. Contact Customer Service Centre. |

**NOTE:** IF YOU EXPERIENCE A PROBLEM WITH YOUR POWER TOOL, PLEASE DO NOT ATTEMPT TO OPEN OR REPAIR THE POWER TOOL YOURSELF. DOING SO MAY VOID THE WARRANTY AND COULD CAUSE DAMAGE OR PERSONAL INJURY. IF THE PROBLEM STILL PERSISTS, PLEASE CONTACT US BY REFERRING TO THE SERVICE & SUPPORT INFORMATION ON THE FOLLOWING PAGE.

# DECLARATION OF CONFORMITY / PERFORMANCE

**Product Code: AJ042 (CSC18BD2.9)**
**Product Description: 18V Brushless Cordless Mini Circular Saw**

1. Toolstation (company number 04372131)
   This declaration of conformity is issued under the sole responsibility of Toolstation

2. Object of the declaration
   The object of the declaration described above is in conformity with the relevant Community harmonisation legislation:

- Supply of Machinery (Safety) Regulations 2008
- Electromagnetic Compatibility Regulations 2016
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations

3. References to the relevant standards used (or references to the specifications in relation to which conformity is declared):
- BS EN 62841-1
- BS EN 62841-2-5
- BS EN IEC 55014-1
- BS EN IEC 55014-2
- BS EN IEC 63000

4. Additional information:
   Signed for and on behalf of Toolstation Limited

## ENVIRONMENTAL INFORMATION



The symbol on the product or its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste for recycling, please contact your local authority, or where you purchased your product.

## WARRANTY

Toolstation products deliver reliable service for normal, household use in domestic settings. All Toolstation products are individually tested before leaving the factory.
Your product is under warranty for 2 years from the date of purchase or the date of delivery of the product, if later.

The warranty is subject to the following provisions:

- The warranty does not cover accidental damage, misuse, parts, knobs, or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in this manual.
- It must be used solely for domestic purposes.
- The warranty will be rendered invalid if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- The manufacturer disclaims any liability for incidental or consequential damages.
- The warranty is in addition to, and does not diminish your statutory or legal rights.

# CUSTOMER SUPPORT

**Helpline: +44 3331 880059**
**Email: roktor.support@positecgroup.com**

**Made in China**