McGREGOR

INSTRUCTION MANUAL

- Please retain for future reference



1200W 160MM ELECTRIC CIRCULAR SAW

SKU: 7720060 (Model: MCECS12)

Important - Please read these instructions fully before using the product.

These instructions contain important information that will help you get the best from your product, ensuring it is operated correctly and safely. If you need help or have damaged or missing parts, call the Customer Helpline on 0345 6052065

AFTER SALES SUPPORT
0345 605 2065

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Customer helpline **0345 605 2065**

⚠Safety information

Important - Please read these instructions fully before use

General safety

WARNING!

Keep this instruction manual in a safe place for reference at a later date.
Always ensure anyone intending to operate this circular saw is fully conversant with the contents of this manual prior to assembling, maintaining or operating the circular saw.
Failure to observe this warning may lead to serious injury, death, or damage to the circular saw.
Always take care when removing the packaging to prevent damage to you or to the circular saw.

⚠Safety information

Important - Please read these instructions fully before use

Personal safety

WARNING!
Only operate the polisher if you are wearing the correct Personal Protective Equipment (PPE) as described in the following warnings.

Warning symbols

Some of the following symbols may be marked on the product and indicate the appropriate safety measures to be taken when operating the product.


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


Warning


Wear ear protection


Wear eye protection


Wear dust mask


Double insulation


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


Conforms to relevant EU regulatory requirements


Conforms to relevant UK regulatory requirements

⚠Safety information

Important - Please read these instructions fully before use

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 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.*

⚠Safety information

Important - Please read these instructions fully before use

General power tool safety warnings

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) 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.*

Safety Warnings 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 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, 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 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.*

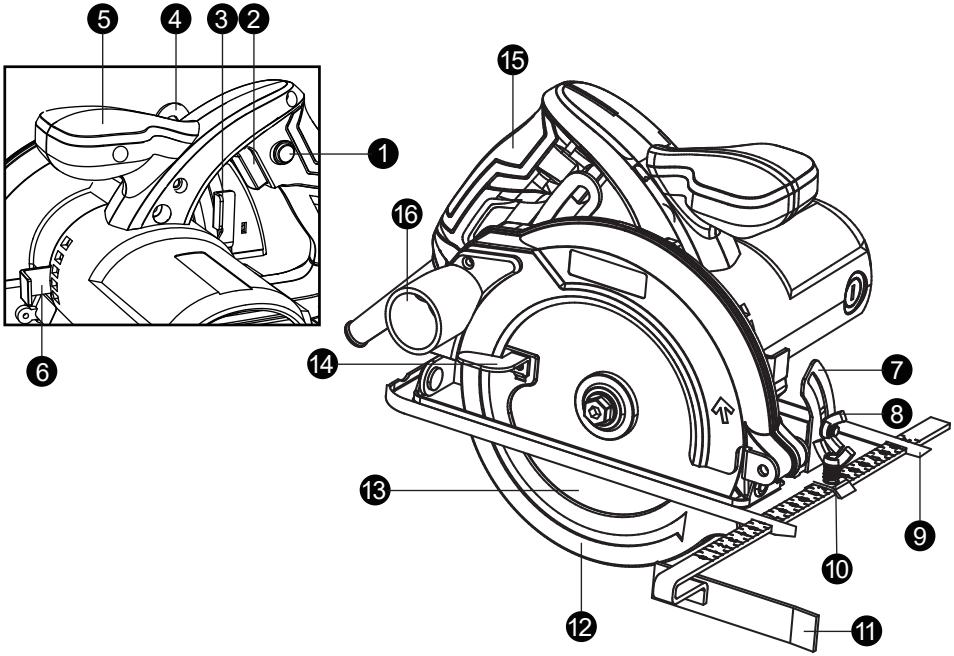
Additional safety rules for circular saw

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.

In the box

Parts

1. Lock off switch
2. On/Off switch
3. Depth of cut adjustment lever
4. Depth of cut scale
5. Auxiliary handle
6. Spindle lock button
7. Base plate angle scale
8. Base plate bevel lock
9. Base plate
10. Parallel guide lock knob
11. Parallel guide
12. Lower guard
13. Saw blade
14. Lower guard lever
15. Main handle
16. Vacuum adapter



Preparation

Preparing instructions

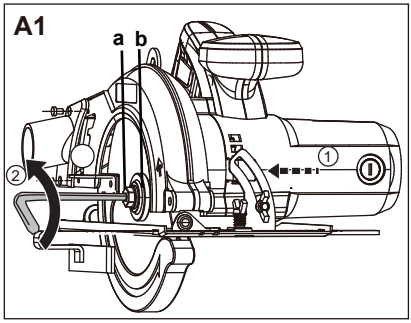
NOTE: Before using the tool, read the instruction book carefully.

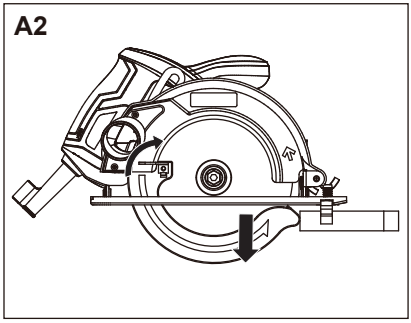
1. FITTING / REPLACING A SAW BLADE (SEE FIG. A1, A2, A3)

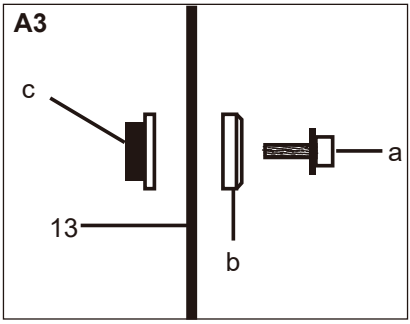
WARNING: Disconnect circular saw from power source.

Hold the outer flange (b) and rotate the blade bolt (a) in anti-clockwise direction with the hex key. Remove the blade bolt (a) and the outer flange (b). Rotate the lower blade guard clockwise by pushing the guard lever to take out the old blade (13). Fit a replaced blade. Ensure that the blade bore is located on the inner flange (c) and the blade direction arrow points in the same direction as the lower blade guard arrow. Place the outer flange (b) and the blade bolt (a) onto the blade bore. Tighten the bolt with 1/4 turn more than finger tight. Check if the blade is securely clamped.
Lock again and use the hex key to tighten the bolt with 1/4 turn more than finger tight. Check if the blade is securely clamped.

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



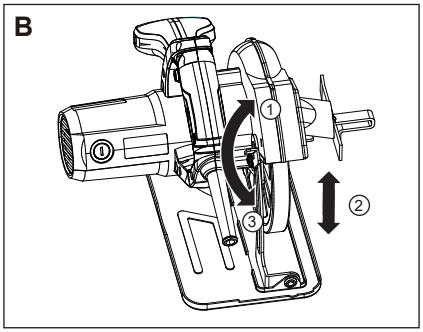


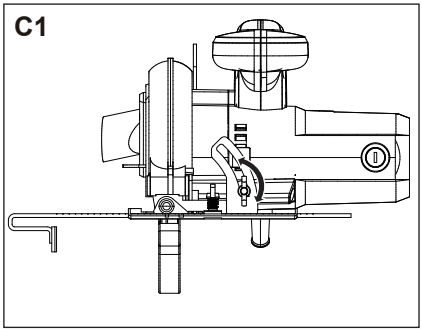


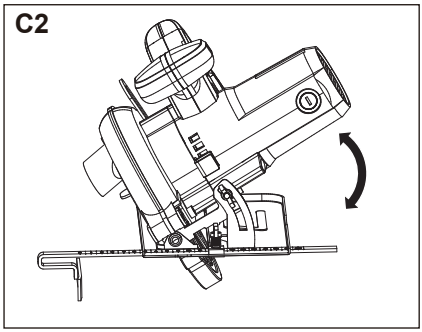
2. DEPTH OF CUT ADJUSTMENT (SEE FIG. B)

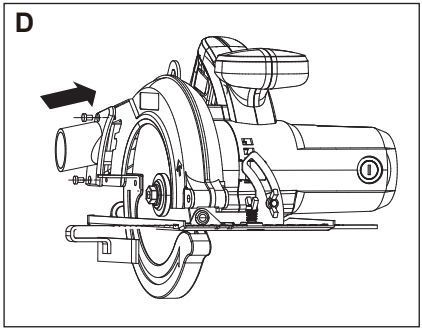
Lift the depth of cut lock lever and raise the saw body away from the base plate. Set the depth of cut with the scale and push the lever down to lock. Always add 3mm to your depth of cut so that the blade can cut through the material.

Preparing instructions









3. BASE PLATE ANGLE ADJUSTMENT (SEE FIG. C1, C2)

Turn the base plate bevel lock in anti-clockwise direction to loosen the angle scale. Tilt the base plate away from the tool until the required cutting angle is adjusted on the angle scale. Tighten the bevel lock by turning it in clockwise direction. Do not use the depth of cut scale when making bevel cuts due to possible inaccuracy.

4. DUST EXTRACTION OUTLET (SEE FIG. D)

Fasten the vacuum adapter onto the dust extraction outlet until it latches. Additionally fasten the vacuum adapter to the fixed guard with the two screws. Directly connect a suitable vacuum hose to the adapter.

The vacuum adapter must not be mounted when no external dust extraction is 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.

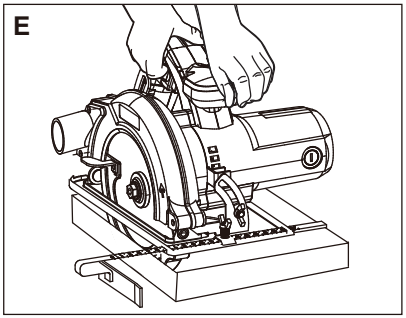
Operation

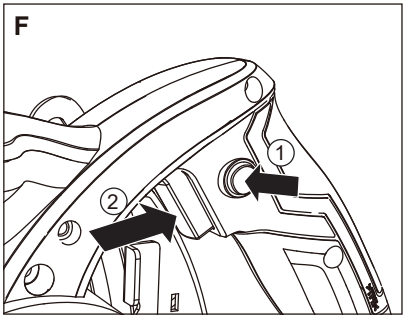
Operating instructions

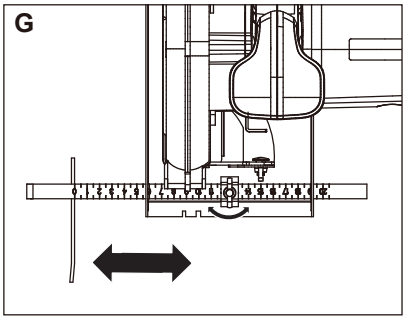
INTENDED USE
This tool is intended for lengthways and cross cutting of wood with straight cutting lines as well as bevel angles to 45° while resting firmly on the work piece.

1. HAND GRIP POSITION (SEE FIG. E)
Always hold your saw firmly with both hands when operating.

2. SAFETY ON/OFF SWITCH (SEE FIG. F)
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 blade may continue to rotate after switching off. Wait until the tool comes to a complete stop before setting down.







3. PARALLEL GUIDE ADJUSTMENT (SEE FIG. G)
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.

4. CUTTING OPERATION
Set the required base plate angle and cutting depth. Place front of the base plate on the workpiece (do not allow the blade to touch the workpiece at this time).
Start the saw. When the saw reaches the maximum speed, push it forward slowly. Always hold your saw firmly with both hands when operating.

Maintenance

Maintenance

Remove the plug from the socket 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.
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.

Spare parts

Spare parts

Blade	1
Hex key	1
Vacuum adapter	1
Parallel guide	1

Working hints

Working hints

If your power tool becomes too hot, run it with no load for 2-3 minutes to cool the motor. Avoid prolonged usage at very low speeds.
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. Feeding too fast significantly reduces the performance of the tool and shortens the life of the saw blade. Always face the good side of the work piece down to ensure minimum splintering. Only use sharp saw blades of the correct type.
For pocket cutting (soft materials only) this operation requires much skill with a saw and must only be carried out by a competent person.

WARNING: The blade teeth are exposed during this operation, so operate with extreme caution. Clearly mark the area to be cut. Set the depth of cut on the saw. Position the saw over the marked area with the front edge of the base plate resting on the work surface and cutting guide aligned with marked line on workpiece. Ensure the blade is not touching but is close to the work surface. The moving lower guard must be rotated open by using the lever. Switch on the saw and gently swing the blade down into the material but maintain a pivoting force on the front edge of the base. The moving lower guard can now be released for normal action of the guard.

Technical data

Technical data table

Model number	**MCECS12**
Rated voltage	220-240V~ 50Hz
Rated input power	1200W
No-load speed	5500/min
Max. cutting depth	
90°:	52.5mm
45°:	37mm
Bevel capacity	0-45°
Blade size	160mm
Bore size	20mm
Protection class	⧈/II
Machine weight	3.73kg

Noise and vibration technical data

NOISE INFORMATION

A weighted sound pressure L_{pA} = 89 dB(A)
K_{pA} = 3 dB(A)

A weighted sound power L_{wA} = 97 dB(A)
K_{wA} = 3 dB(A)

Wear ear protection.

VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 62841:

Cutting wood: $a_{h,w}$ = 4,69 m/s², K = 1.5 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 especially what kind of workpiece is processed dependent on the following examples and other variations on how the tool is used:
How the tool is used and the materials being cut or drilled.
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.
And 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 chisels, drills and blades.
Maintain this tool in accordance with these instructions and keep 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.

Troubleshooting

General troubleshooting

The following chart lists problem symptoms, possible causes and corrective action, if your electric circular saw does not operate properly. If these do not identify and correct the problem, contact your service agent.

WARNING: Always switch the product off, disconnect it from power supply and let the product cool down before performing inspection, maintenance and cleaning work!

Problem	Possible cause	Solution
The product does not start.	1.1 Power cord not plugged in 1.2 Faulty outlet	1.1 Check power connection 1.2 Try a different outlet
Cutting depth is less than that is set.	2.1 Sawdust accumulated at the rear of the base.	2.1 Shake out sawdust. Consider connecting a vacuum for dust collection.
Blade spins or slips.	3.1 The blade is not properly aligned or firmly screwed onto the spindle.	3.1 Remove the blade, and reassemble it as described in FITTING / REPLACING A SAW BLADE section.
Blade will not cut a straight line.	4.1 Blade is worn. 4.2 Blade is not mounted properly. 4.3 Saw is not being guided properly.	4.1 Replace the blade. 4.2 Check that blade is properly mounted. 4.3 Use a parallel guide.
Blade kicks back when beginning a cut.	5.1 Blade is not spinning fast enough.	5.1 Allow the saw blade to reach full speed prior to beginning a cut in the material.
Overheating	6.1 Extended use without breaks 6.2 Ventilation blocked	6.1 Allow tool to cool down 6.2 Ensure vents are clear and clean

Guarantee

Dear Customer,

In the unlikely event that your device develops a fault, please contact our Customer service department on the telephone number shown below (0345 605 2065).

1. These guarantee terms cover additional guarantee rights and do not affect your statutory warranty rights. Claims must be accompanied by Proof of Purchase. This must be in the form of a Sales receipt or Bank statement and must show that the product has been purchased within 2 years prior to the claim, from the retailer that it was originally sold to.
2. Our guarantee covers problems caused by material or manufacturing defects, and will result in the repair of these defects or replacement of the device with a like for like or similar article. Please note that our devices have not been designed for use in commercial, trade or industrial applications. Consequently, the guarantee is invalidated if the equipment is used in commercial, trade or industrial applications or for other equivalent activities.
3. The following are also excluded from our guarantee :
   A. Faults due to accidents, customer misuse or unauthorized repairs
   B. Failure due to lack of routine maintenance.
   C. Failure as a result of not using the equipment in accordance with the manual and safety instructions
   D. The adjustment of cables.
4. The guarantee is valid for a period of 2 years starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted.This also applies when an on-site Service is used.
5. Please keep your sales receipt in a safe place. If it is covered by our guarantee, your device will either be repaired under the terms of the guarantee or we will send you a replacement device.