Wickes

CIRCULAR SAW

1400W

PSC1904.1
223745

CONTENTS

ORIGINAL INSTRUCTION
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.*

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 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 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 circular 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 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.**

GENERAL SAFETY WARNINGS FOR YOUR LASER

WARNING: Read all safety warnings and all instructions. *Failure to follow the warnings and instructions may result in serious injury.*

Save all warnings and instructions for future reference.

These lasers do not normally present an optical hazard although staring at the beam may cause flash blindness. Do not stare directly at the laser beam. A hazard may exist if you deliberately stare into the beam, please observe all safety rules as follows:

1. **The laser shall be used and maintained in accordance with the manufacturer's instructions.**
2. **Never aim the beam at any person or an object other than the work piece.**
3. **The laser beam shall not be deliberately aimed at another person and shall be prevented from being directed**

GENERAL SAFETY WARNINGS FOR YOUR LASER

towards the eye.

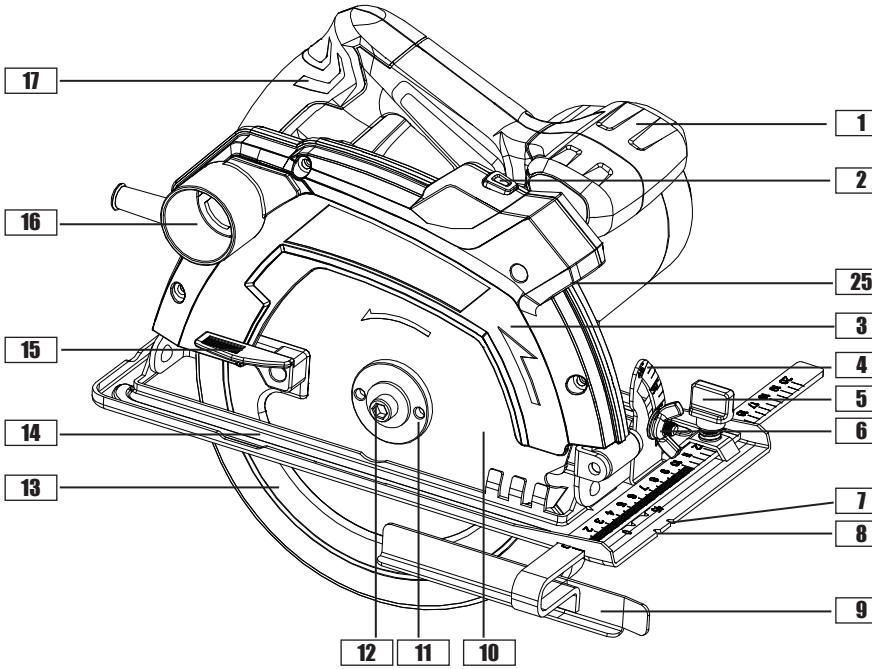
4. Always ensure the laser beam is aimed at a sturdy work piece without reflective surfaces, e.g. wood or rough-coated surfaces are acceptable. Bright shiny reflective sheet steel or similar is not suitable for laser applications as the reflective surface may direct the laser beam back at the operator.
5. Do not change the laser device with a different type. The manufacturer or an authorized agent must carry out repairs.
6. CAUTION: Use of controls or adjustments other than those specified herein may result in hazardous radiation exposure.

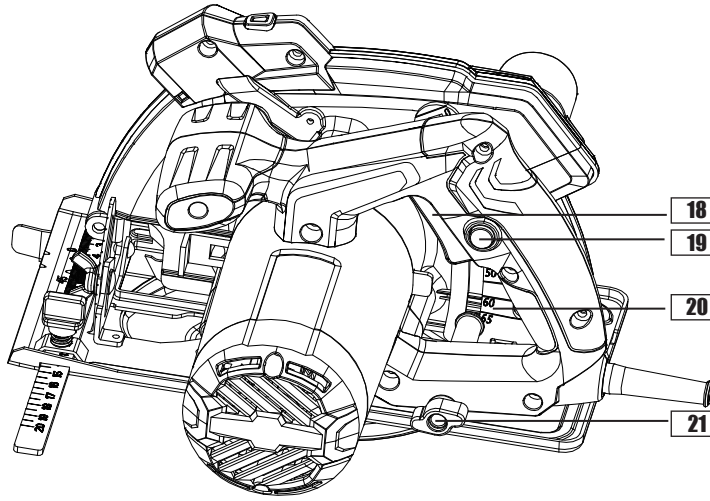
Additional safety warning for class 2 laser

The laser device fitted to this tool is CLASS 2 with a maximum radiation of 1.5mW and 650nm wavelength.

CLASS 2 LASER RADIATION, DO NOT STARE INTO BEAM

COMPONENT LIST





1	Front handle Safety On/off switch
2	On/off switch for laser Lock-off button
3	Upper fixed guard
4	Base plate angle scale
5	Parallel guide lock knob
6	Base plate bevel lock knob
7	Cutting mark, 45°
8	Cutting mark, 0°
9	Parallel guide
10	Saw blade
11	Outer flange
12	Blade bolt
13	Lower blade guard
14	Base plate
15	Lower guard lever
16	Vacuum adapter
17	Soft grip handle
18	On/off switch
19	Lock-off button
20	Cutting depth scale
21	Cutting depth lock knob
22	Hex key (See Fig. A1)
23	Spindle lock button (See Fig. A1)
24	Inner flange (See Fig. A3)
25	Laser aperture

ACCESSORIES

Hex Key	1
Parallel Guide	1
Blade:190mm X 24T	1
Vacuum adapter	1

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

SYMBOLS


To reduce the risk of injury, read all of this instruction manual


Warning


Wear ear protection


Wear eye protection


Wear dust mask


Wear protective gloves


Double insulated


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.


Do not stare into beam


Laser radiation


Lock


Unlock

TECHNICAL DATA

Voltage	230-240V~50Hz
Power input	1400W
No load speed	4800/min
Blade size	190mmX24T
Blade bore	20mm
Cutting capacity	
90°	65mm
45°	45mm
Bevel capacity	0-45°
Protection class	⧈/II
Machine weight	3.86kg

NOISE INFORMATION

A weighted sound pressure	L_{pA}: 89 dB(A)
A weighted sound power	L_{wA}: 100 dB(A)
K_{pA} & K_{wA}	3.0dB(A)

Wear ear protection.

VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 62841:	
Cutting wood	Vibration emission value: $a_{h,W}$ = 1.3 m/s² (main handle) Vibration emission value: $a_{h,M}$ = 1.1 m/s² (auxiliary handle)
	Uncertainty 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 dependant 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 minimize your vibration 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.

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.

ASSEMBLY

1. CHANGING A SAW BLADE (SEE FIG. A1-A3)

WARNING:

- **Before performing any maintenance or adjustment, remove the plug from the socket.**
- **Wear protective gloves when mounting the saw blade. Danger of injury when touching the saw blade.**
- **Only use saw blades compatible with this machine, check details in these instructions.**
- **Do not use grinding discs as the cutting tool under any circumstances.**

- Removing

1) Press the spindle lock button and keep it depressed.
2) Loosen the blade bolt in anti-clockwise direction with the hex key. Remove the the blade bolt, the washer (a) and the outer flange.
3) Tilt back the lower blade guard and hold it firmly with the lower guard lever. Remove the old saw blade.

- Mounting

1) Clean the saw blade and all the clamping parts to be assembled.
2) Tilt back the lower blade guard and hold it firmly with the lower guard lever. Place the new saw blade onto the inner flange.
3) Re-position the outer flange back on the centre of the blade. Press and hold the spindle lock again. Aseemble the washer (a) and the blade bolt onto the outer flange. Use the hex key to tighten the blade bolt in clockwise direction firmly.

NOTE:

- Take care that the mounting positions of the inner flange and outer flange are correct. (SEE Fig. A3)
- 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.
- Blade teeth are very sharp. for best cutting results ensure you use a saw blade suited to the material and cut quality you need.

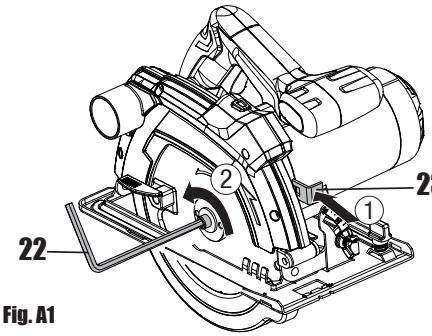


Fig. A1

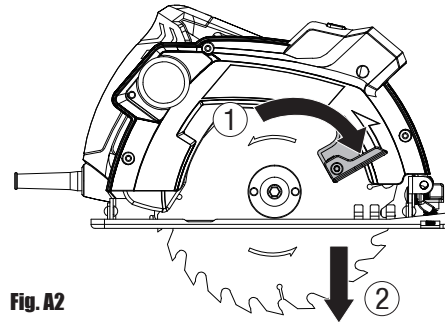


Fig. A2

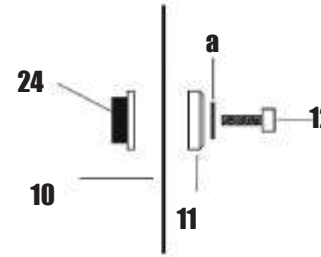


Fig. A3

2. VACUUM ADAPTER (SEE FIG. B)

Fasten the vacuum adapter onto the dust extraction outlet until it latches. Secure in position using the screw provided. Connect a suitable vacuum hose to the adapter.
NOTE: 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.
NOTE: Use of vacuum extraction does not negate the need to wear personal protective equipment, especially respiratory protective equipment.

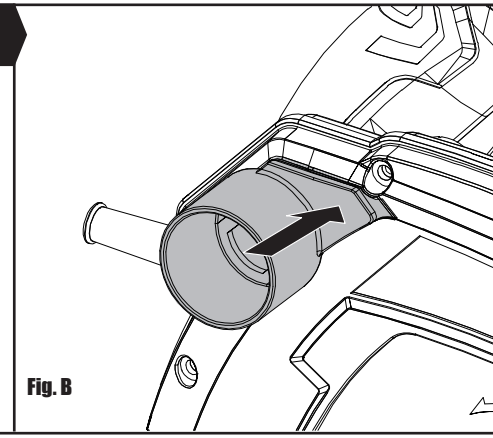


Fig. B

ADJUSTING

1. ADJUSTING THE CUTTING DEPTH (SEE FIG. C1, C2)

Turn the cutting depth lock knob anti-clockwise to loosen, and raise the saw body away from the base plate. Set the required cutting depth by aligning the triangle symbol (b) (at the rear of the upper fixed guard) with the cutting depth scale. Turn the cutting depth lock knob clockwise to lock the cutting depth. When set correctly, the blade teeth should not protrude further than 3mm beneath the workpiece.
NOTE: It is best to carry out a trial cut before cutting your workpiece.

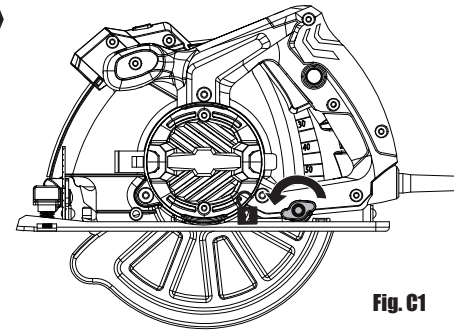


Fig. C1

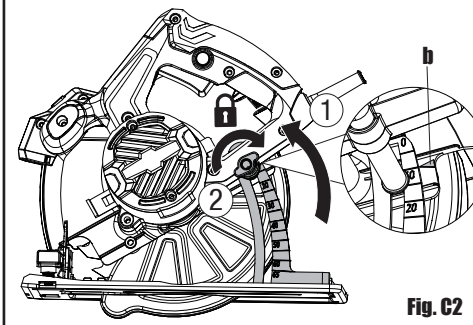


Fig. C2

2. ADJUSTING THE BEVEL ANGLE (SEE FIG. D1, D2)

Turn the base plate bevel lock knob anti-clockwise to loosen, and tilt the machine away from the base plate. Set the required bevel angle by aligning the triangle symbol (c) with the base plate angle scale.
Tighten the base plate bevel lock knob by turning it in clockwise direction.

WARNING: Do not use the depth of cut scale when making bevel cuts due to possible inaccuracy.

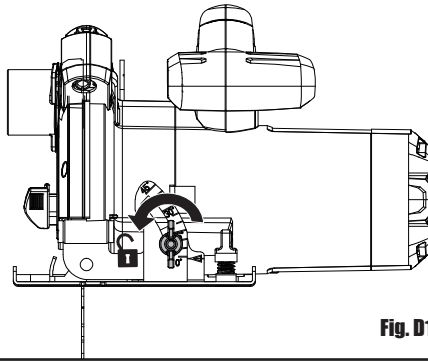


Fig. D1

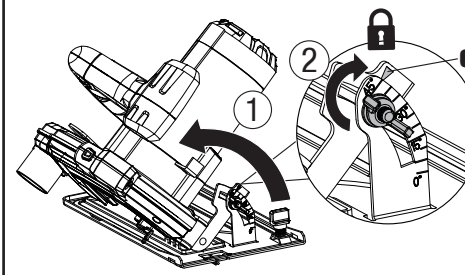


Fig. D2

OPERATION

1. HAND GRIP POSITION (SEE FIG. E)

Always hold your saw firmly with both hands when operating.

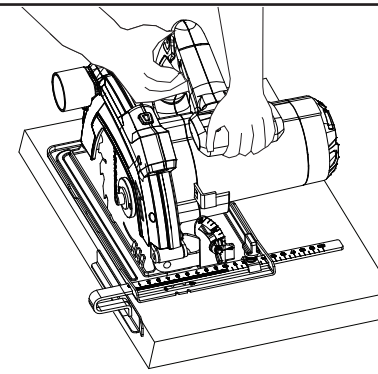
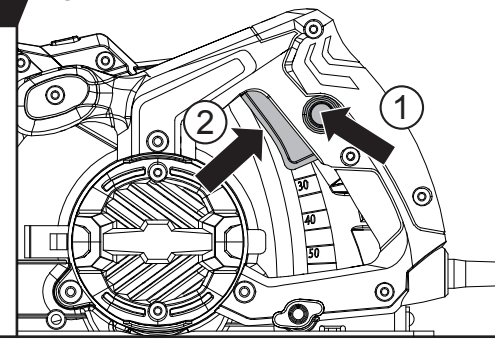


Fig. E

2. SAFETY ON/OFF SWITCH (SEE FIG. F)

Your switch is locked off to prevent accidental starting. Depress lock off button then on/off switch and release 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 machine comes to a complete stop before setting down.

Fig. F



3. ADJUSTING THE PARALLEL GUIDE (SEE FIG. G1, G2)

It is used for making cuts parallel to a workpiece edge at a chosen distance. First turn the parallel guide lock knob anti-clockwise to loosen, then slide the parallel guide arm through the fixture to achieve the required cutting distance, then tighten the lock knob by turning it clockwise to securely clamp the parallel guide.
NOTE: It is best to carry out a trial cut before cutting your workpiece.

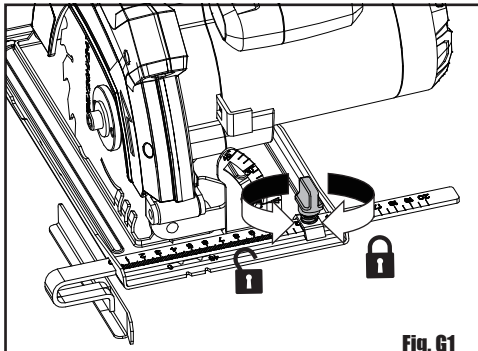


Fig. G1

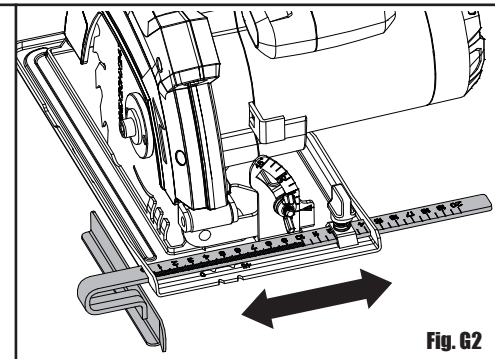


Fig. G2

4. CUTTING GUIDE (SEE FIG. H1, H2)

There is a cutting guide notch on the front of the base plate for use with the 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.

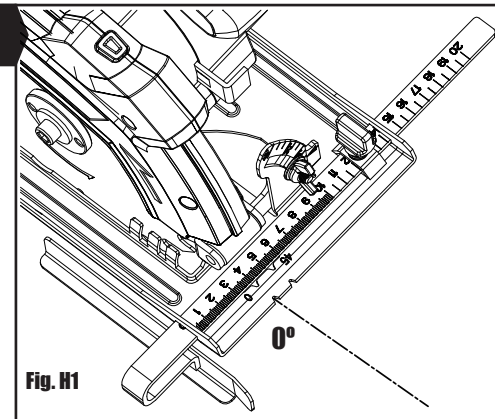


Fig. H1

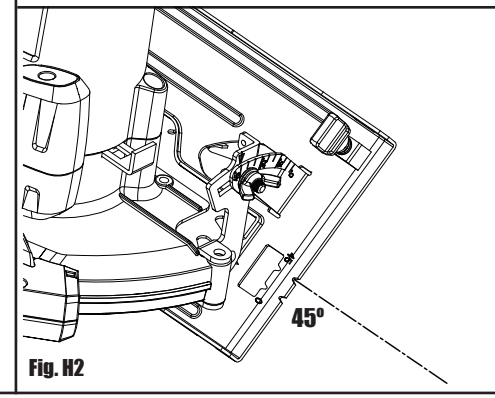


Fig. H2

5. BEVEL CUTS

Follow the instructions in ADJUSTING THE BASE PLATE ANGLE in ADJUSTING section to set required bevel angle between 0° and 45°. Do not use the depth of cut scale when making bevel cuts due to possible inaccuracy.

6. USING THE LASER GUIDE (SEE FIG. I1, I2)

IMPORTANT NOTE: Never stare directly into the laser beam and never point the beam at anybody. The laser beam energy is extremely harmful to your eyes.

The laser guide is for the purpose of precision cutting. Depress the on/off switch for laser, the laser guide then projects a visible red line on the workpiece surface. Make your cut along the red line. The laser will turn off automatically if the saw is turned off.

NOTE: The sawdust may block the laser beam, clean the laser lens periodically.

Fig. I1

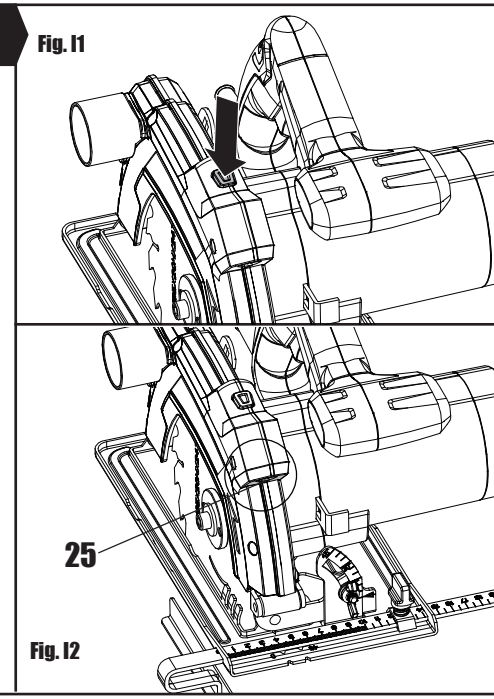


Fig. I2

WORKING HINTS FOR YOUR CIRCULAR SAW

If your power tool becomes too hot, run your circular saw 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 increases.

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 machine 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.

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 and will not damage your power tool.
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.

TROUBLESHOOTING

1. If your power tool does not start, check it is plugged in, switched on and the fuse is intact.
2. If your power tool use in low efficiency, check the tool speed and type of accessory.
3. If a fault can not be rectified, return the tool to an authorized dealer for repair.

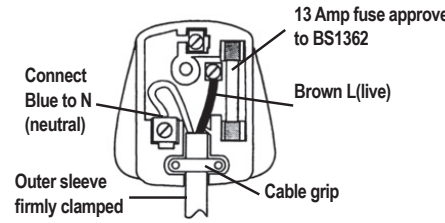
ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

PLUG REPLACEMENT (ONLY FOR REWIRABLE PLUG OF UK & IRELAND)

If you need to replace the fitted plug then follow the instructions below.
IMPORTANT
The wires in the mains lead are colored in accordance with the following code:
Blue = Neutral
Brown = Live
As the colors of the wires in the mains lead of this appliance may not correspond with the colored markings identifying the terminals in your plug, proceed as follows. The wire which is colored blue must be connected to the terminal which is marked with N. The wire which is colored brown must be connected to the terminal which is marked with L.

WARNING:
Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved 13A BS1363/A plug and the correct rated fuse.
Note: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.



DECLARATION OF CONFORMITY

We,
Wickes Building Supplies Limited

Declare that this product: CIRCULAR SAW
Description and SKU code: 223745

Complies with the following Directives and Regulations:
2006/42/EC, Machinery Directive
2014/30/EU, Electromagnetic Compatibility Directive
2011/65/EU & (EU)2015/863 (RoHS), Restriction of Hazardous Substances Directive

and conforms to the following standards:
Standards specific to this product:
EN 62841-1
EN 62841-2-5
EN 55014-1
EN 55014-2
EN 61000-3-2
EN 61000-3-3

28th January, 2021
Philip Ansell
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