

RIKÄ

QUALITY GUARANTEED.

Owner's Operating Manual
Model No: RK40CS185



RK40V

BRUSHLESS TECHNOLOGY

Cordless Circular Saw

IMPORTANT! PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE ALL SAFETY INSTRUCTIONS AND WARNINGS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE DAMAGE TO PROPERTY AND/OR PERSONAL INJURY.

KEEP THESE INSTRUCTIONS SAFE AND AVAILABLE FOR FUTURE REFERENCE.

www.rikapowertools.com

Certificate of Guarantee

This product is guaranteed for a period of 1 year, with effect from the date of purchase and applies only to the original purchaser. The guarantee can be extended a further 2 years by registering the purchase on **rikapowertools.com**. This guarantee applies to defects arising from, defective materials or faulty workmanship that become evident during the guarantee period only and does not include consumable items. The manufacturer will either repair or replace the product at their discretion, subject to the following.

That the product has been used in accordance with the guidelines as detailed in the product manual and that it has not been subject to misuse, abuse or used in a purpose for which it was not intended. That it has not been taken apart or tampered with in any way whatsoever or has been service by unauthorised persons or has been used for hire purposes.

Transit damage is excluded from this guarantee.

Claims made under this guarantee must be made to your retailer or contact us via **rikapowertools.com**, within the guarantee periods. Receipt and proof of purchase required.

The manufacturer shall not be liable for any special, exemplary, direct, indirect, incidental or consequential loss or damage under this guarantee.

Introduction

Thank you for purchasing this product which has passed through our extensive quality assurance process. Every care has been taken to ensure that it reaches you in perfect condition. However, in the unlikely event that you should experience a problem, or if we can offer any assistance or advice please do not hesitate to contact our customer service.

Safety First

Before attempting to operate this product the following basic safety precautions should always be taken to reduce the risk of fire, electric shock and personal injury. It is important to read the instruction manual to understand the application, limitations and potential hazards associated with this product.

After-Sales Service

Should you require any further assistance regarding your product or in the unlikely event of a defect occurring, please contact us at **rikapowertools.com**. When contacting us, be ready to provide the product Model No: and the serial number found on the product.

Intended Use

The tool is intended for performing lengthways and crossways straight cuts and mitre cuts with angles in wood while in firm contact with the workpiece.

Any other application beyond the conditions established for use will be considered misuse. RIKA accepts no responsibility for improper use of this product.

Important Safety Instructions

Due to continued product refinement policy, product features and specifications can and will change without notice.

Check current features and specifications with your retailer.

The purpose of safety rules is to attract your attention to possible dangers. The safety symbols and the explanations with them, require your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instruction or warnings they give are not substitutes for proper accident prevention measures.

SAFETY ALERT SYMBOL



Indicates danger, warning, caution or notice. May be used in conjunction with other symbols or pictures.

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

Do not attempt to operate this tool until you have read thoroughly and completely understood the safety rules, etc. contained in this manual. Failure to comply can result

in accidents involving fire, electric shock or serious personal injury. Save this Owners Operating Manual and review it frequently for continual safe operation and for instructing others who may use this tool.

SPECIFIC SAFETY INSTRUCTIONS



WARNING! Read and understand all instructions. Failure to follow all instructions listed below could result in electrocution, fire, and/or explosion, which can cause death or serious injury.

Operations for which the power tool was not designed may create a hazard and cause personal injury.

Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.

The product is not intended for use by children or persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge.

Children should be adequately supervised to ensure they do not play with the product.



WARNING! Some dust particles created by power sanding, sawing, grinding, drilling and other construction jobs contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically treated timber.

Important Safety Instructions



WARNING! If you suspect that paint on surfaces in your home contains lead, seek professional advice. Lead based paints should only be removed by a professional and you should not attempt to remove it yourself. Once the dust has been deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage. Young and unborn children are particularly vulnerable.

Do not expose to rain or water.

Wear hearing protection when necessary. Exposure to noise can cause hearing loss.



WARNING! The operation of any power tool can result in foreign objects being thrown towards your eyes, which could result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shield or a full face shield where needed.

Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.

SAFETY WARNINGS SPECIFIC FOR CIRCULAR SAWS



DANGER! Keep hands away from the 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.

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

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.

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.

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.

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

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 eccentrically, causing loss of control.

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.

KICKBACK CAUSES AND RELATED WARNINGS

Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator.

Important Safety Instructions

When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator.

If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

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

1. 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.
2. 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.
3. 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.
4. 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.

5. Do not use dull or damaged blades. Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.
6. 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.
7. Use extra caution when sawing into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

LOWER GUARD FUNCTION

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.

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.

The lower guard may be retracted manually only for special cuts such as "plunge cuts" and "compound cuts". Raise the lower guard by the 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.

Always observe that the lower guard is covering the blade before placing the saw down on bench or floor.

Important Safety Instructions

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.

To check lower guard, open lower guard by hand, then release and watch guard closure. Also check to see that retracting handle does not touch tool housing. Leaving blade exposed is VERY DANGEROUS and can lead to serious personal injury.

ADDITIONAL SAFETY WARNINGS

Use appropriate detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance. Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage.

Inspect the machine and the blade before each use. Do not use deformed, cracked, worn or otherwise damaged blades. Only use sharp blades.

Periodically check that all nuts, bolts and other fixings are properly tightened.

Do not use this saw to cut firewood.

Ensure that the lighting is adequate.

Keep the area free of tripping hazards.

Never use the saw without the original guard protection system. Do not lock the moving guard in the open position. Ensure that the guard operates freely without jamming and returning to fully cover the teeth of the blade.

When cutting round wood, use clamps that prevent the work piece from turning on both sides of the blade.

Never use your hands to remove sawdust, chips or waste close by the blade.

Rags, cloths, cord and string and the like should never be left around the work area.

Do not reach into the saw dust ejector with your hands. They could be injured by rotating parts.

Do not work overhead with the saw. In this manner you do not have sufficient control over the power tool.

Use extra caution when cutting damp wood, pressure treated lumber, or wood containing knots. Maintain smooth advancement of tool without decrease in blade speed to avoid overheating the blade tips.

Do not attempt to remove cut material when blade is moving. Wait until blade stops before grasping cut material. Blades coast after turn off.

Avoid cutting nails. Inspect for and remove all nails from lumber before cutting.

Place the wider portion of the saw base on that part of the workpiece which is solidly supported, not on the section that will fall off when the cut is made. If the workpiece is short or small, clamp it down. **DO NOT TRY TO HOLD SHORT PIECES BY HAND!**

Always stand to one side when operating the saw.

Before setting the tool down after completing a cut, be sure that the guard has closed and the blade has come to a complete stop.

Never attempt to saw with the circular saw held upside down in a vice. This is extremely dangerous and can lead to serious accidents.

Do not operate the power tool stationary. It is not designed for operation with a saw table.

Do not use high speed steel (HSS) saw blades. Such saw blades can easily break.

Do not saw ferrous metals. Red hot chips can ignite the dust extraction.

Important Safety Instructions

When working with the machine, always hold it firmly with both hands and provide for a secure stance. The power tool is guided more secure with both hands.

Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

Do not stop the blades by lateral pressure on the saw blade.

Do not use any abrasive wheels.

Only use the saw blade with the diameter that is marked on the tool or specified in the manual. Use of an incorrectly sized blade may affect the proper guarding of the blade or guard operation which could result in serious personal injury.

Keep blade sharp and clean. Gum and wood pitch hardened on blades slows saw and increases potential for kickback. Keep blade clean by first removing it from tool, then cleaning it with gum and pitch remover, hot water or kerosene. Never use gasoline.

Wear a dust mask and hearing protection when use the tool.

Always use the saw blade intended for cutting the material that you are going to cut.

Only use the saw blades that are marked with a speed equal or higher than the speed marked on the tool. Always use the blade which conforms to EN 847-1.

Note the direction of rotation of the motor and the blade.

Do not store materials or equipment above a machine in such a way that they could fall into it.

Never saw near combustible liquids or gases.

The tool must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.

ADDITIONAL SAFETY INSTRUCTIONS FOR BATTERIES

Only use the following batteries and chargers with this tool.

RIKA 2000mAh Li-Ion Battery: RK40B2
RIKA 4000mAh Li-Ion Battery: RK40B4
RIKA 4000mAh Li-Ion Battery: RK40TB4

RIKA 2.4A Fast Charger: RK40FC2
RIKA 4.0A Fast Charger: RK40FC4
RIKA 4.5A Dual Fast Charger: RK40DFC4

Battery packs are shipped in a low charge condition. You should charge a battery pack fully before use.

Do not incinerate a battery pack even if it is seriously damaged or can no longer hold a charge. A battery pack can explode in a fire.

A small leakage of liquid from the battery pack may occur under extreme usage or temperature conditions. This does not necessarily indicate a failure of the battery pack. However, if the outer seal is broken and this leakage comes into contact with your skin wash the affected area quickly with soap and water. If the leakage gets in your eyes flush your eyes with clean water for a minimum of 10 minutes and seek immediate medical attention.

Never attempt to open a battery pack for any reason. If the plastic housing a battery pack breaks open or cracks, immediately discontinue its use and do not recharge it.

Do not store or carry a spare battery pack in a pocket or toolbox or any other place where it may come into contact with metal objects.

Important Safety Instructions

The battery pack may be short-circuited causing damage to the battery pack, burns or a fire.

CHARGING BATTERIES

When charging a new battery pack it should be fully discharged followed by a full charge for the charging rate for the battery as stated in its product manual plus 30 minutes. This should then be followed by a full discharge and a further full charge for the charging rate for the battery as stated in its product manual plus 30 minutes. This procedure will condition the battery and equalise the cell voltages. Following this procedure will ensure the optimum operation of the battery.

When repeatedly using a charger to charge a number of batteries always allow the charger to cool down before charging another battery. It is recommended that the cooling down period is not less than 30 to 45 minutes.

When charging a battery that has been discharged during heavy use allow the battery to cool down before charging. It is recommended that the cooling down period is not less than 30 to 45 minutes.

Battery packs need to be recharged with a reasonable amount of care, largely because they can be damaged by overcharging.

Overcharging can result in the battery temperature and internal pressure to rise rapidly. This can cause the cells to distort and lose electrolyte, and in extreme cases where the internal pressure is extremely high they can even explode.

This situation can also arise when an overcharged battery is fitted to the product and is being used. In order to avoid this extreme situation it is of vital importance that NiCad and/or Li-Ion batteries are fully discharged before charging and that the charge time is not exceeded except when "Conditioning" a new battery. Repeated

charging of partially discharged batteries could cause failure of one or more of the cells.

SELF DISCHARGE

A lithium battery can self discharge and lose its stored charge. Typically it can lose approximately 5% of its charge in the first month after fully charging (when stored at room temperature), and then loses it by a further 3% per month. When stored at higher temperatures the self discharge rate will be accelerated.

BATTERY CHARGING INDOORS

Chargers are designed to be used indoors. We do not recommend that chargers are used inside your home. Ideally batteries should be charged on a bench in a workshop, garage or shed. If the charging operation is to be carried out in your home the area must be well ventilated and the charger must be placed on a non combustible surface ensuring that the ventilation slots are not blocked.

Never exceed the charging time except when "Conditioning" a new battery, as this could damage a battery and charger.

BATTERY DISPOSAL

When a battery fails to charge or maintain its charge, its usable life is exhausted. To preserve natural resources, please recycle or dispose of a battery pack properly. Before disposal ensure that the battery pack is fully discharged by operating your cordless product, then remove the battery pack from the tool housing and cover the battery pack connections with heavy duty tape, to prevent short circuit and energy discharge which could result in a fire. Do not attempt to open or remove any of the components.

Consult your local waste authority for information regarding available recycling and/or disposal options.

Important Safety Instructions

SPECIFIC SAFETY INSTRUCTIONS

RE-CHARGEABLE BATTERIES

Batteries may leak or explode if not charged or handled correctly. Always observe the following precautions when handling batteries. Ensure that the machine is switched off before removing or fitting batteries.

Do not use a battery with any other product that is not recommended.

Do not attempt to fit a battery the wrong way round.

Do not short out, or attempt to dismantle a battery.

Do not expose a battery to flames or excessive heat.

Do not immerse in or expose a battery to water.

Do not store or transport a battery with loose metal objects such as drill and driver bits.

Batteries are prone to leakage when discharged. To avoid damage to the product, remove or re-charge the battery when no charge remains. Store the battery in a cool place when not in use.

After prolonged use a battery may become hot. Before removing a battery, switch the machine off and allow the battery to cool down. Do not use the battery if you notice any discolouration or distortion of the battery casing.

RESIDUAL RISKS

Even when the unit is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the unit's construction and design:

1. Injury caused by kickback. Read and understand the information in this manual.

2. Injury caused by vibration. Limit exposure. See Risk Reduction.
3. Injury caused by dust. Wear eye protection at all times. Wear appropriate dust mask with suitable filters that can protect against particles from the material being worked on. Do not eat, drink, or smoke in the work area. Ensure adequate ventilation.
4. Electric shock. The blade may contact hidden wiring causing parts of the product to become live. Always hold the product by the designated handles and take care when blind-cutting into walls and floors where cables may be hidden.

NOTE: When working on walls, ceilings, or floors, take care to avoid electric cables and gas or water pipes.

5. Injury from contact with the cutting blade. The blades are sharp and will become hot during use. Wear gloves when changing blades. Keep hands away from the cutting area at all times. Never hold workpiece being cut in your hands or across your leg. Clamp the work piece whenever possible.

RISK REDUCTION

It has been reported that vibrations from handheld tools may contribute to a condition called Raynaud's Syndrome in certain individuals. Symptoms may include tingling, numbness, and blanching of the fingers, usually apparent upon exposure to cold.

Hereditary factors, exposure to cold and dampness, diet, smoking and work practices are all thought to contribute to the development of these symptoms. There are measures that can be taken by the operator to possibly reduce the effects of vibration:

Keep your body warm in cold weather. When operating the unit, wear gloves to keep the hands and wrists warm.

Important Safety Instructions

It is reported that cold weather is a major factor contributing to Raynaud's Syndrome.

After each period of operation, exercise to increase blood circulation.

Take frequent work breaks. Limit the amount of exposure per day.

If you experience any of the symptoms of this condition, immediately discontinue use and see your doctor about these symptoms.



WARNING! Injuries may be caused, or aggravated, by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

WARNING

This unit produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this unit.

GENERAL SAFETY RULES



WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1) WORK AREA

- a) **Keep work area clean and well lit.** Cluttered and 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 electrical shock.

NOTE: The term "residual current device (RCD)" can be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".

Important Safety Instructions

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.** Safety 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, clothing and gloves 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 these devices 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 the battery pack 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. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools 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.

Important Safety Instructions

- g) **Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from 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.
- g) **When using the tool, do not wear cloth work gloves which may be entangled.** The entanglement of cloth work gloves in the moving parts may result in personal injury.
- 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.
- 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.
- c) **Follow instruction for lubricating and changing accessories.**

Technical Specification

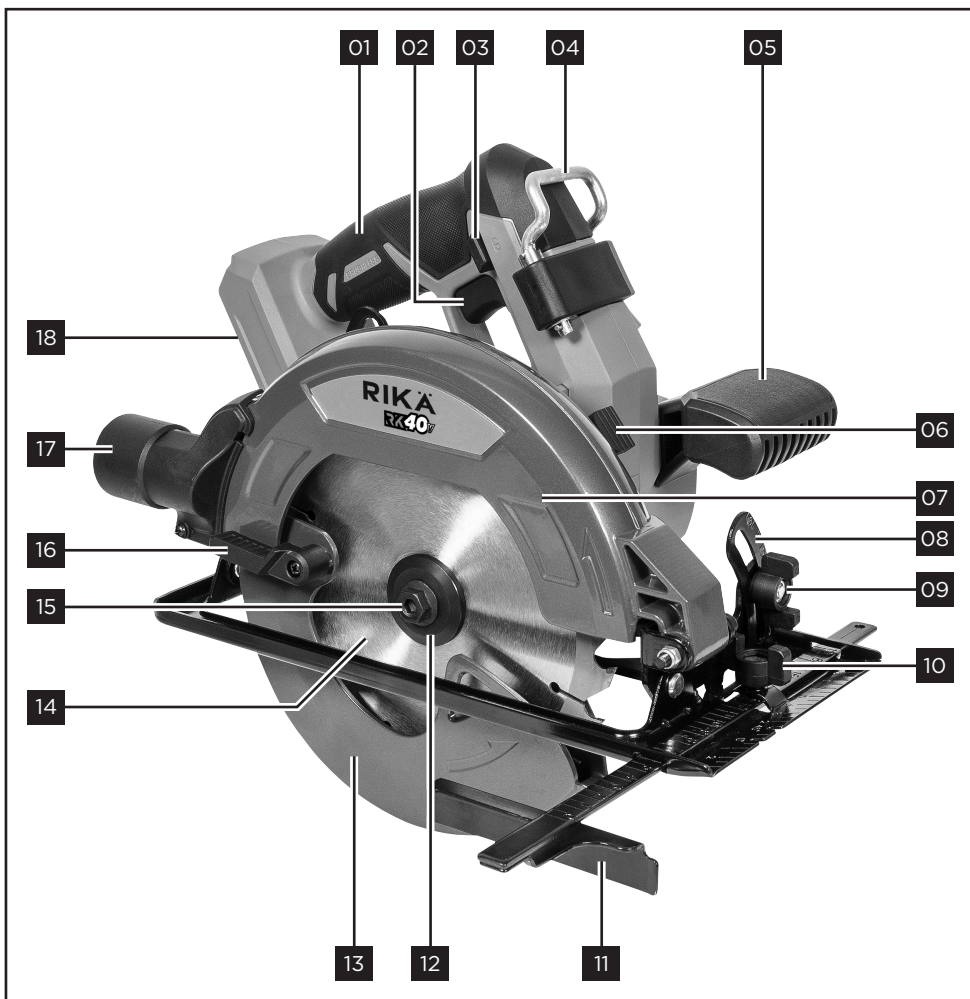
Rated Voltage:	40V DC
Motor:	Brushless
No Load Speed:	0-5500/min
Blade Diameter:	185mmØ
Blade Bore Diameter:	20mmØ
Max. Cutting Depth (0°):	68mm
Max. Cutting Depth (45°):	45mm

Sound Pressure Level:	L_{pA} 93.2 dB(A), K=3dB(A)
Sound Power Level:	L_{WA} 101.2 dB(A), K=3dB(A)
Vibration Level:	$2.137m/s^2$, K=1.5m/s ²
Weight:	3.53kg

Safety Symbols

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.	
SYMBOL	DESIGNATION/EXPLANATION
	Indicates danger, warning or caution. It means attention!!! Your safety is involved.
	Your manual contains special messages to bring attention to potential safety concerns as well as operating and servicing information. Please read all the information carefully to ensure satisfaction and safe use.
	Wear eye, hearing and head protection when operating this equipment.
	Do not expose to rain or use in damp locations.
	Failure to keep your hands away from the blade will result in serious personal injury
	Do not approach the machine with loose clothing.
	Do not remove safety guards and devices with the machine operating.
	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.
	Conforms to relevant safety standards.

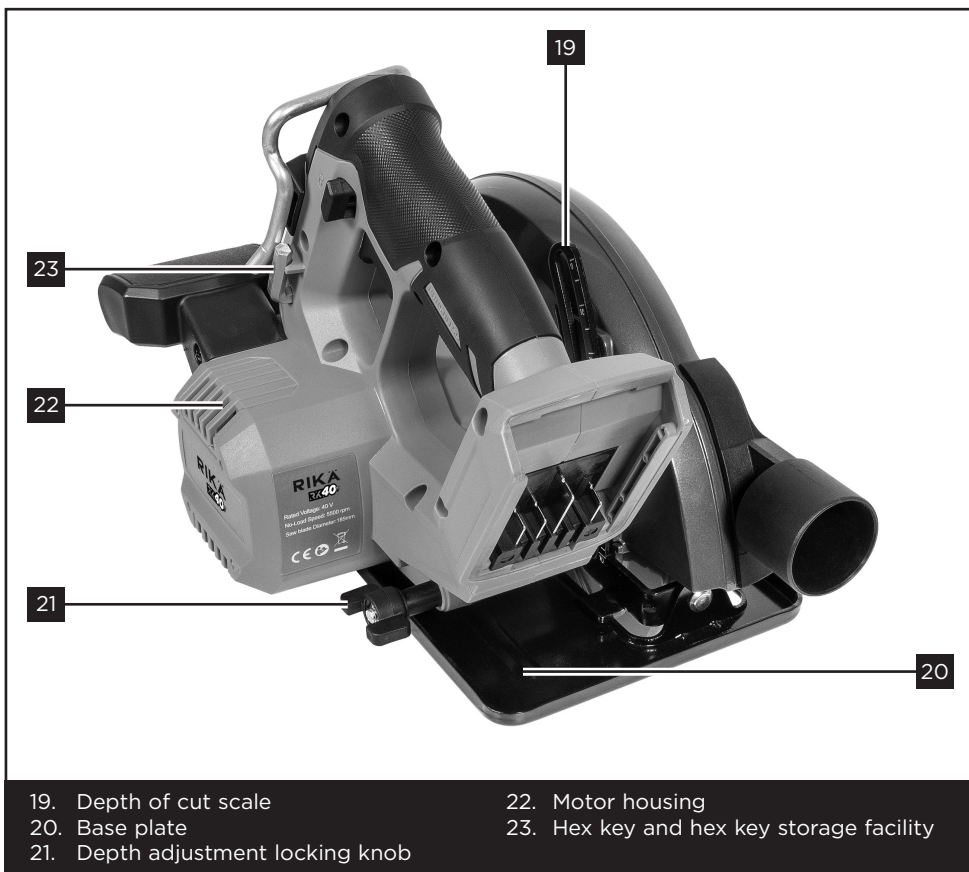
Components & Controls



- 01. Rear handle
- 02. On/Off trigger
- 03. Safety lock-off button
- 04. Hook
- 05. Front handle
- 06. Spindle lock button
- 07. Fixed blade guard
- 08. Bevel angle scale
- 09. Bevel angle locking knob

- 10. Rip fence locking knob
- 11. Rip fence
- 12. Blade flange
- 13. Lower retractable blade guard
- 14. Circular saw blade
- 15. Blade hex bolt
- 16. Retractable blade guard thumb lever
- 17. Dust extraction vacuum adaptor
- 18. Battery mount

Components & Controls



Unpacking



CAUTION. This packaging contains sharp objects. Take care when unpacking. Remove the machine, together with the accessories supplied, from the packaging. Check carefully to ensure that the machine is in good condition and account for all the accessories listed in this manual. Also make sure that all the accessories are complete.

If any parts are found to be missing, the machine and its accessories should be returned together in their original packaging to the retailer. Do not throw the packaging away, keep it safe throughout the guarantee period, then recycle if possible, otherwise dispose of it by the proper means. Do not let children play with empty plastic bags due to the risk of suffocation.

Assembly & Adjustments



WARNING! Do not use this product if it is not completely assembled or if any parts appear to be missing or damaged. Use of a product that is not properly and completely assembled or with damaged or missing parts could result in serious personal injury.



WARNING! Do not attempt to modify this product or create accessories or attachments not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.



WARNING! To reduce the risk of injury, turn unit off and disconnect the battery pack from the machine before installing and removing accessories, before adjusting or changing setups or when making repairs. Be sure the On/Off trigger is in the OFF position. An accidental start-up can cause injury.

INSTALLING A CIRCULAR SAW BLADE



CAUTION. Be sure the circular saw blade is installed with teeth pointing up at the front of the tool.

Selecting the correct type of blade is important in order to obtain the best performance from the saw.

Select the blade based on the application and on the material you wish to cut. Selecting the right blade will give you a smoother, faster cut and prolong the life of the blade.

Ensure that the size and maximum speed of the blade is compatible with the machine.



CAUTION. It is recommended that the operator considers wearing protective gloves when handling the blade during installation or when changing the machines blade.

Locate and remove the supplied hex key which is housed in the onboard storage facility, Fig.1.

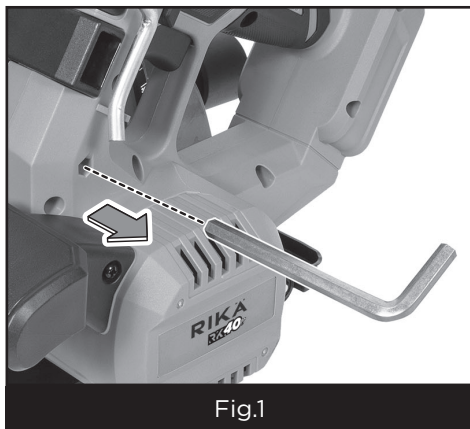


Fig.1

Place saw on a level, secure surface.

NOTE: The circular saw can, with care, be balanced on the flat end of the motor housing casing, Fig.2, making access to the blade and blade fixings easy.

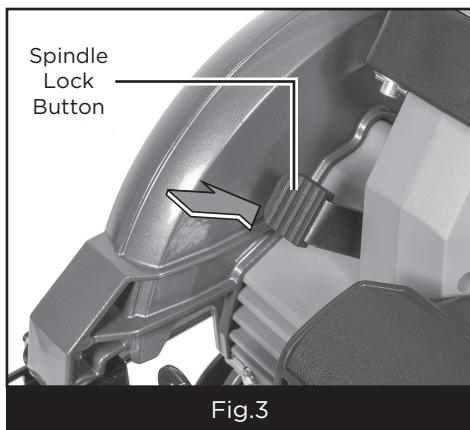


Fig.2

Assembly & Adjustments

Before installing a blade you must remove the blade hex bolt and blade flange.

Depress the spindle lock button, Fig.3.



With the spindle lock lever depressed use the hex key to unscrew the blade hex bolt counter-clockwise, Fig.4

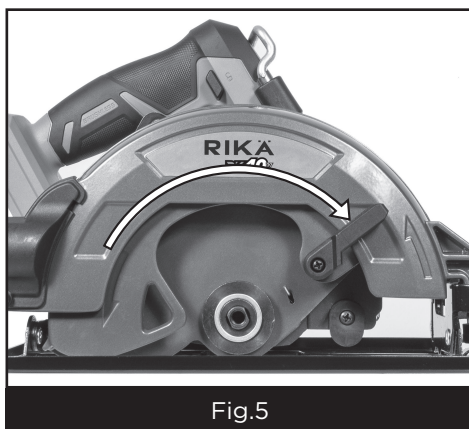


Remove the the blade hex bolt and blade flange and store safely.

NOTE: The inner blade flange can be left in place if desired, but it should be checked and thoroughly cleaned. If it is removed from the machine it must be replaced back

in the same orientation as it was before removal.

Fully rotate the lower retractable blade guard up into the upper fixed blade guard using the retractable blade guard thumb lever, Fig.5.



CAUTION. The blade guard is spring loaded and if released may cause an injury.

Slide the saw blade under the lower retractable blade guard and onto the inner blade flange, Fig.6. 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.



Assembly & Adjustments

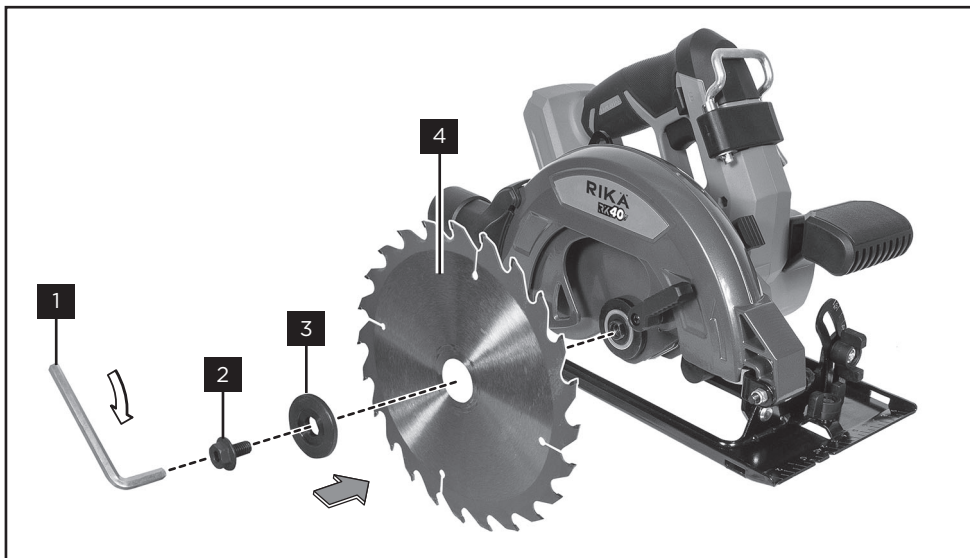


Fig.7

Reinstall the blade flange.

NOTE: The blade flange has a specially machined bore which incorporates two opposed 'flats.' These 'flats' engage with two complimentary 'flats' machined into the machines arbor shaft.

Re-engage the spindle lock and tighten the blade hex bolt securely clockwise using the hex key, Fig.7.

1. Hex key
2. Blade hex bolt
3. Blade flange
4. Circular saw blade

Release the spindle lock lever and slowly release the lower retractable blade guard so that it covers the blade. Return the hex key to its dedicated storage position.

Check the operation of the lower retractable blade guard making sure that it operates correctly.

NOTE: Check the tightness of the blade hex bolt before, during and after each use.

INSTALLING THE RIP FENCE



CAUTION. Always disconnect the battery pack from the circular saw before installing the rip fence.



CAUTION. Make sure that the rip fence is securely installed in the correct position before use. Improper attachment may cause dangerous kickback.

The rip fence can be helpful when rip cutting. The guide can be fitted to the front of the base plate.

The rip fence arm should be inserted through the rectangular slots positioned at either side (front) of the base plate, and slid under the centrally located rip fence locking knob, Fig.8.

NOTE: The rip fence can be fitted on either side of the base plate.

Assembly & Adjustments

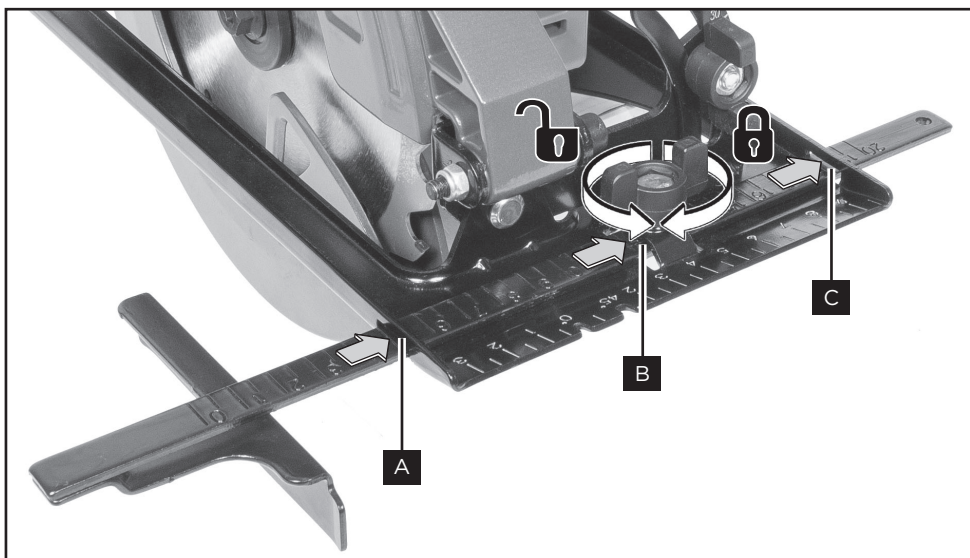


Fig.8

NOTE: The arm of the rip fence must pass through all of the rectangular slots (Marked A, B & C) provided in the base plate.



WARNING! It is potentially dangerous to install, and try to use the rip fence with the arm passing through only one of the rectangular base plate slots.

Adjust the rip fence so that it is at the required distance from the blade and tighten the rip fence locking knob making sure the rip fence is secure. Check that the rip fence is parallel to the saw blade.

ADJUSTING THE DEPTH OF CUT



CAUTION. Always disconnect the battery pack from the circular saw before adjusting the depth of cut.



CAUTION. After adjusting the depth of cut, always tighten the depth adjustment locking knob securely.

To adjust the depth of cut loosen the depth adjustment locking knob by turning counter-clockwise and move the base up or down. At the desired depth of cut, secure the base by tightening the depth adjustment locking knob clockwise, Fig.9.



Fig.9

Assembly & Adjustments

NOTE: Although the depth of cut scale is very useful, enabling rapid depth setting, using them should always be regarded as a guide to the setting achieved.

If a very precise depth of cut is required, then the blade setting should be checked with an engineers precision ruler (not supplied) or similar and adjusted accordingly.

In most cases the cutting depth should be set at the thickness of the material to be cut plus the depth of half of a saw tooth (tip of the tooth to the tooth root). Using proper cut depth helps to reduce potential for dangerous KICKBACKS which can cause personal injury.

BEVEL CUTTING ADJUSTMENTS



CAUTION. Always disconnect the battery pack from the circular saw before adjusting the bevel angle.



CAUTION. After adjusting the bevel angle, always tighten the bevel angle locking knob securely.

The Circular Saw has the facility to tilt the blade 0-45°. To adjust the bevel angle loosen the bevel angle locking knob counter-clockwise, Fig.10.

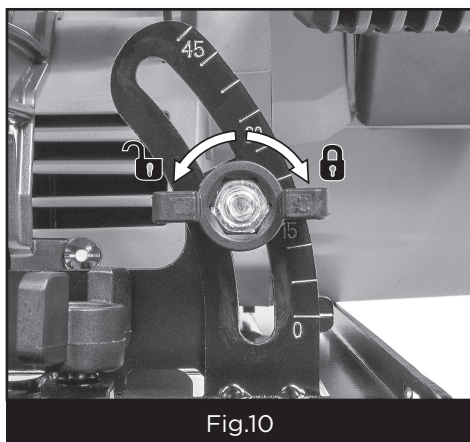


Fig.10

Tilt the blade to the required angle as indicated on the bevel angle scale, Fig.11.

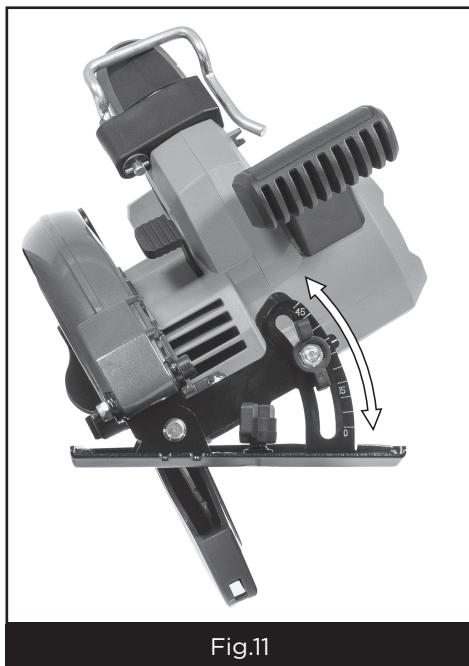


Fig.11

NOTE: Using the bevel angle scale should always be regarded as a guide only.

If a very precise bevel angle is required, then the blade setting should be checked using a vernier angle gauge (not supplied) and adjusted accordingly..

Tighten the bevel angle locking knob by clockwise to securely to lock the machine in position.

INSTALLING A RIKA BATTERY PACK



WARNING! Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, carrying, transporting or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.

Assembly & Adjustments

Slide the battery pack into the battery mount, Fig.12.

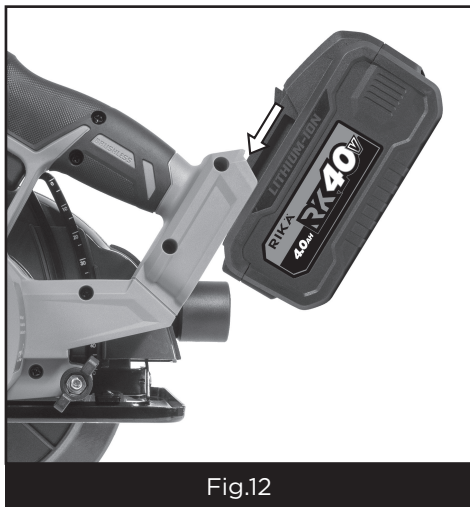


Fig.12

NOTE: The battery has raised ribs which allows it to fit into the tool only one way. Make sure the battery pack snaps into place and that battery pack is secured in the tool before beginning operation. Improper installation of the battery pack can cause damage to internal components.

REMOVING THE BATTERY PACK

Locate the battery release catch on the top of the battery and press downwards, Fig.13.

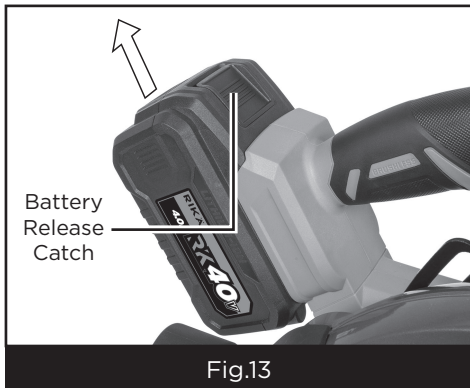


Fig.13

Whilst holding down the battery release catch slide the battery pack away from the tool.

DUST EXTRACTION VACUUM ADAPTOR

When you wish to perform clean cutting operation, connect a suitable vacuum cleaner to the dust extraction vacuum adaptor, Fig.14.

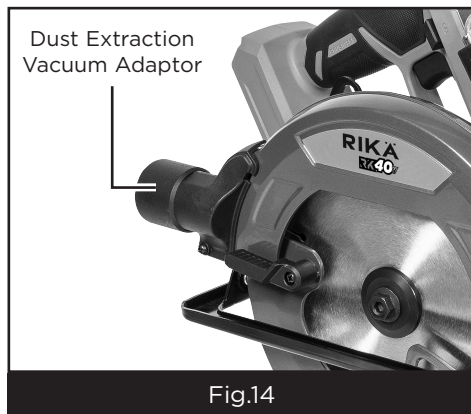


Fig.14

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

HOOK



CAUTION. Always disconnect the battery pack from the circular saw before hanging the tool with the hook.



CAUTION. Never hook the tool at high locations or on the surfaces where the tool may lose the balance and fall.



CAUTION. Do not pull the tool downward when it is hooked.

Assembly & Adjustments

The hook is convenient for hanging the tool temporarily, Fig.15.

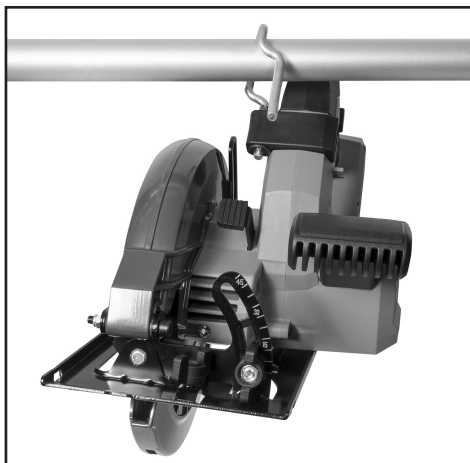


Fig.15

To use the hook, simply turn the hook until it snaps into the open position, Fig.16.

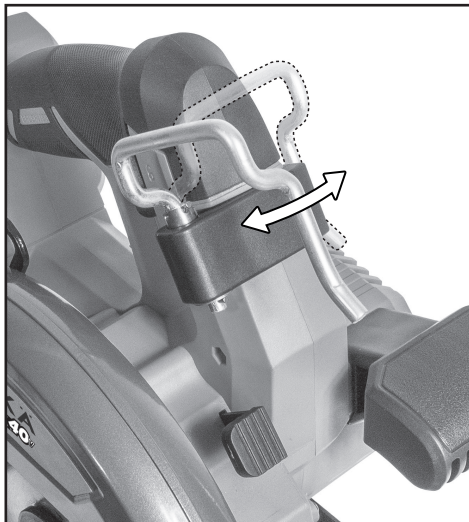


Fig.16

When not in use, always turn the hook until it snaps into the closed position.

Operation



CAUTION. Before installing the battery cartridge into the tool, always check to see that the On/Off trigger actuates properly and returns to the "OFF" position when released.



CAUTION. Before operating the Circular Saw checks should be carried out with the battery pack disconnected from the machine.

Check that all safety guards are operating correctly, and that all adjustment mechanisms are securely tightened.

Check that the blade is secure and installed correctly and is the correct blade for the material being cut.

Keep blades clean & sharp.

Check the integrity of the battery pack.

Whenever possible clamp the workpiece to a rigid support structure such as a workbench, saw horse or similar.

Keep hands away from the cutting area and blade at all times. Do not reach underneath the work while the blade is rotating. Do not attempt to remove cut material while the blade is moving.



CAUTION. The blade will continue to rotate for a short period after the machine is switched off.

The operator should wear all relevant PPE (Personal Protection Equipment) necessary for the task ahead. This could include safety glasses, full face mask, dust masks, safety shoes etc.

Operation



WARNING! Any and all dust created is potentially hazardous to health. Some materials can be particularly harmful, and the operator should always wear a dust mask which is suitable for the material being worked with. Professional help and advice should be sought if the operator is at all unsure about the potential toxicity of the material to be cut.



WARNING! This machine must never be used to cut Asbestos or any material that contains, or is suspected to contain, Asbestos. Consult/inform the relevant authorities, and seek additional guidance if Asbestos contamination is suspected.

TURNING THE CIRCULAR SAW ON AND OFF



WARNING! NEVER defeat the safety lock-off button by taping down or other means. A switch with a negated safety lock-off button may result in unintentional operation and serious personal injury.



WARNING! NEVER use the tool if it runs when you simply pull the On/Off trigger without pressing the lock-off button. A switch in need of repair may result in unintentional operation and serious personal injury. Return tool to a RIKKA service centre for proper repairs BEFORE further usage.

To prevent the On/Off trigger from being accidentally pulled, a safety lock-off button is provided. To start the tool, depress the safety lock-off button and squeeze the On/Off trigger, Fig.17. Light pressure on the On/Off trigger results in low speed, allowing the saw to begin in a smooth, controlled manner.

Further pressure on the switch results in an increase in speed.

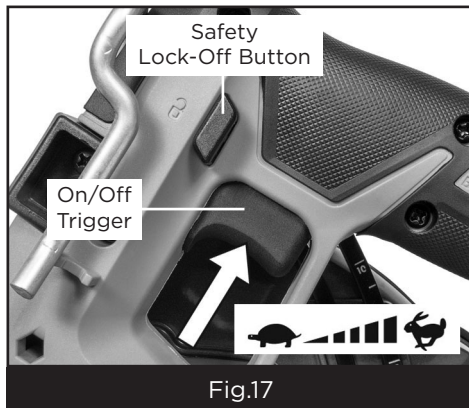


Fig.17

Release the On/Off trigger to stop.

NOTE: Do not pull the On/Off trigger hard without pressing in the safety lock-off button. This can cause On/Off trigger breakage.



CAUTION. The tool starts to brake the circular saw blade rotation immediately after you release the On/Off trigger. Hold the tool firmly to respond the reaction of the brake when releasing the On/Off trigger. Sudden reaction can jerk the tool from your hand and can cause a personal injury.

LED WORKLIGHT



CAUTION. Do not directly look into the source of light.

Pull the On/Off trigger to activate the LED worklight. The LED worklight will illuminate continuously while the On/Off trigger is being pulled. The LED worklight goes out 5 seconds after releasing the trigger.

NOTE: The worklight is for lighting the immediate work surface and is not intended to be used as a flashlight.

Operation

OPERATION



WARNING! During operation fine dust will be generated. These dusts are highly inflammable and explosive! Do not smoke during operation, keep heat sources and open flames out of the working area! Always wear a dust mask to protect yourself against hazards resulting from fine dust!



CAUTION. Always hold the base flush with the workpiece. Failure to do so may cause blade breakage, resulting in a serious injury.

CHECKING BLADE GUARD FUNCTION

Set the bevel angle to 0°, and then retract the lower guard manually to the end and release it. The lower guard is properly functioning if;

- it is retracted above the base without any hindrance and;
- it automatically returns and contacts with the stopper.

If the lower guard is not functioning properly, check if saw dust is accumulated inside of the upper and lower guards. If the lower guard is not functioning properly even after removing dust, have your tool serviced at a RIKa service centre.

CUTTING OPERATION



CAUTION. Wear a dust mask when performing cutting operation.



CAUTION. Be sure to move the tool forward in a straight line gently. Forcing or twisting the tool will result in overheating the motor and dangerous kickback, possibly causing severe injury.

Keep guards in place and in good working order at all times to avoid serious accidents. Support large panels as shown in Fig.18 to minimise the risk of blade pinching and kickback.

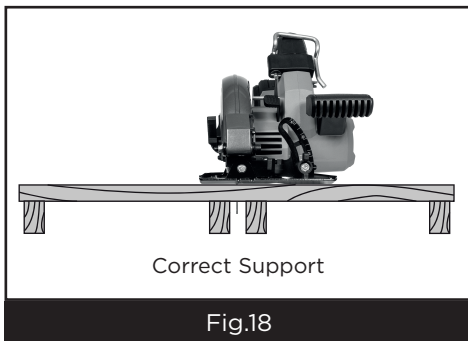


Fig.18

Fig.19 shows the wrong way to cut large pieces of wood.

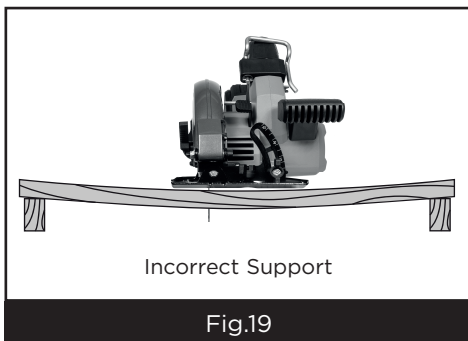


Fig.19

Cutting in this way will cause serious injury to the operator. When cutting, the saw should rest on the larger piece of the material and the smaller piece cut off. Use the rip fence at all times, this will help to prevent side pressure being exerted on the blade and will also give a straighter cut.

NOTE: If the rip fence does not allow the desired width of cut, clamp or nail a straight piece of wood to the workpiece as a guide, and use the right side of the base plate against this guide.



CAUTION. Always set the cutting depth so that you cut through the panel and not through the supports.

Operation

GENERAL CUTTING ADVICE

Do not force the machine. Allow the speed of the saw blade do the work. Cutting performance will not be improved by applying excessive pressure to the machine and blade life will be reduced.

When using the rip fence, ensure that it is parallel with the blade. The blade and/or motor could become damaged if the machine is used with an incorrectly adjusted rip fence.

Place front edge of the base plate squarely on the workpiece. Before starting the motor ensure that the blade is not in contact with the workpiece.

Always face the good side of the workpiece down to ensure minimum splintering.

When starting a cut, take care to introduce the blade to the material slowly, so as not to damage blade teeth. Wait until the blade attains full speed.

Always use the front and rear handles to move the saw forwards through the work piece.



WARNING! Never try and hold a workpiece by hand.

There are two line of cut guides provided at the front of the base plate for use as a guiding tool to follow a line of cut marked on the workpiece.

Use the 0° marker for straight cuts or the 45° marker for bevel cuts, Fig.20.

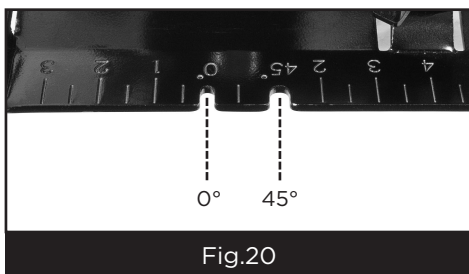


Fig.20

To get clean cuts, keep your sawing line straight and your speed of advance uniform. If the cut fails to properly follow your intended cut line, do not attempt to turn or force the tool back to the cut line. Doing so may bind the circular saw blade and lead to dangerous kickback and possible serious injury.

Release the On/Off trigger, wait for circular saw blade to stop and then withdraw the tool.

Realign the tool on a new cut line, and start the cut again. Attempt to avoid positioning which exposes operator to chips and wood dust being ejected from saw. Use eye protection to help avoid injury.

After completing a cut, switch off the tool by releasing the On/Off trigger.

Ensure that the blade has come to a complete stop before you lift the tool from the workpiece. Allow the lower blade guard to return to its normal position covering the blade.



WARNING! If the motor should stop or stall whilst a cut is being attempted release the On/Off trigger immediately. Disconnect the battery pack from the machine and remove the machine from the workpiece. Investigate the cause of the problem and rectify if possible. Only attempt to restart the motor when you are absolutely sure that it is safe to do so.

GUARDING AGAINST KICKBACK

Kick back occurs when the saw stalls rapidly and is driven back towards the operator. To avoid kick back keep blades sharp and always support large work pieces correctly. Release the switch immediately if blade binds or if the circular saw stalls. Do not remove the saw from a work piece while the blade is still moving.

Operation



WARNING! Never place your hands or fingers behind or in front of the saw.

If kick back occurs, the saw could jump backwards over your hand, possibly causing severe injury. Always lower guard with the retaining handle. Before cutting be sure that the depth and bevel adjustments are tight. Use only the correct blades for your power tool with the correct bore size.

Never use defective or incorrect blade washers or bolts. Avoid cutting nails by inspecting the work piece, remove all nails from the work piece before cutting. Operate with the correct hand and work piece support.



WARNING! It is important to support the workpiece properly and to hold the saw firmly to prevent loss of control which could cause personal injury.

Place the wider portion of the saw base on that part of the workpiece which is solidly supported, not on the section that will fall off when the cut is made. If the workpiece is short or small, clamp it to a suitable support.

Never attempt to saw with the Circular Saw held upside down in a vice this is extremely dangerous and can lead to a serious accident.

Maintenance



WARNING! Always be sure that the tool is switched off and the battery pack is removed before attempting to perform inspection or maintenance.

From time to time the ventilation slots on the motor casing should be cleaned out. If the unit should become defective, repair should be performed by an authorised service agent for electric tools.

Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.

Before installing a saw blade, remove all sawdust that has accumulated.

The tool may be cleaned most effectively with compressed dry air especially around the lower guard where dust and wood chips gather. Always wear safety goggles when cleaning tools with compressed air.

Keep saw blades clean and sharp. Sharp blades minimise stalling and kickback.



WARNING! Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

Inspect the general condition of the circular saw. Check for loose screws and bolts, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring and any other condition that may effect its safe use. If abnormal noise or vibration occurs have the machine inspected by an authorised service agent.

Check that all safety features and guards are operating correctly on a regular basis. Only use this machine if all guards/safety features are fully operational.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean damp cloths to remove dirt, dust, oil, grease, etc.

Maintenance



WARNING! Do not at any time let brake fluids, gasoline, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Electric tools used on fibreglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fibreglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc.

Consequently, we do not recommended using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication is required.

Environmental Protection

Information for (private householders) for the environmentally responsible disposal of Waste Electrical and Electronic Equipment (WEEE)



This symbol on products and or accompanying documents indicates that used and end of life electrical and electronic equipment should not be disposed of in household waste. For the proper disposal, treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your retailer upon the purchase of an equivalent new product. Disposing of this product correctly will help to save valuable resources and prevent any potential adverse effects on human health and the environment which could otherwise arise from inappropriate waste disposal and handling. Please contact your local authority

for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste in accordance with national legislation.

FOR BUSINESS USERS IN THE EUROPEAN UNION.

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union.

This Symbol is only valid in the European Union.

If you wish to dispose of this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Service

Now that you have purchased your tool, should a need ever exist of repair or service, simply contact your nearest RIKÄ Authorised Service Centre or other qualified service organisation. Be sure to provide all pertinent facts when you call or visit.

[illegible]

[illegible]

[illegible]

EC Declaration of Conformity

1. **Product model:** RK40CS185
2. **Name and address of the manufacturer or his authorised representative:**

RIKA

SGS Engineering (UK) Ltd
Unit 1 West Side Park, Raynesway,
Derby, DE21 7AZ

3. **This declaration of conformity is issued under the sole responsibility of the manufacturer.**
4. **Object of the declaration:**
- Equipment:** 40V Cordless Circular Saw
Brand name: RIKA
Model/type: RK40CS185
5. **The object of the declaration described above is in conformity with the relevant statutory requirements:**

Supply of Machinery (Safety) Regulations 2008
Electrical Equipment (Safety) Regulations 2016
Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

6. **References to the relevant designated standards used or references to the other technical specifications in relation to which conformity is declared:**

BS EN55014-1	BS EN62841-1
BS EN55014-2	BS EN62841-2-5

7. **The person authorised to compile the technical file:**

Name: Neil Sansom
Address: SGS Engineering (UK) Ltd, Unit 1 West Side Park,
Raynesway, Derby, DE21 7AZ

Signed for and on behalf of:

Authorised Representative



Neil Sansom, CEO
Date: 24/02/2026

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