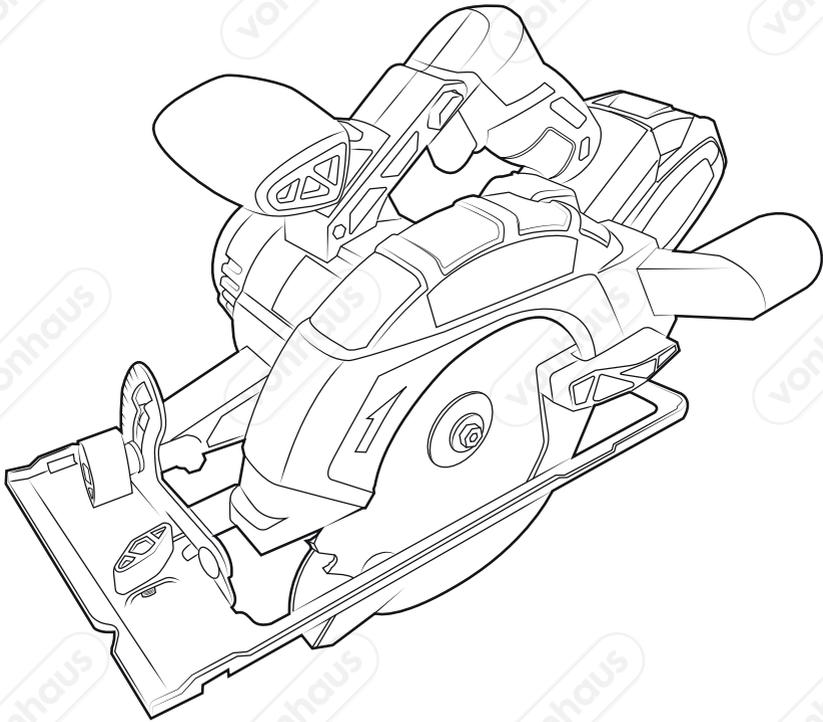


20V MAX CIRCULAR SAW

3500008 - Instruction Manual



CAUTION: Using this product with 1.5Ah Battery or 2.0Ah Battery can cause the Battery to overheat.

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WARNING

PLEASE READ THESE INSTRUCTIONS CAREFULLY AND KEEP FOR FUTURE REFERENCE

GENERAL SAFETY INFORMATION.

WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Please retain 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.

INTENDED USE.

This 20 Max Circular Saw is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning use of the tool by a person responsible for their safety. Children should be supervised to ensure they do not play with the tool.

WORK AREA SAFETY.

Keep your work area clean and well lit. Cluttered or dark areas invite accidents. 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.

Keep bystanders, children and animals away whilst operating the power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY.

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. Do not expose power tools to rain or wet conditions. Water entering the power tool will increase the risk of electric shock.

BEFORE USE.

Use personal protective equipment. Always wear eye protection. Protective

equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries. Dress appropriately. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts to prevent them from becoming caught in the tool.

If devices are provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used to reduce dust-related hazards.

POWER TOOL USE AND CARE.

Prevent unintentional starting. Ensure the switch is in the off position before picking up or carrying the tool. Carrying power tools with your finger on the switch, or energising power tools that are switched on, invites accidents.

Do not use the power tool if the switch does not turn it on and off. A power tool that cannot be controlled with the switch is dangerous and must be repaired. 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.

WARNING! Use only accessories recommended for this tool. Follow the instructions that accompany the accessories. The use of improper accessories may result in injury to the operator or damage the tool.

WARNING! If any part is missing or damaged, do not plug the tool into the power source or install any accessory until the missing or damaged part is replaced. Failure to follow this instruction could result in serious personal injury.

⚠️ WARNING ⚠️

PLEASE READ THESE INSTRUCTIONS CAREFULLY AND KEEP FOR FUTURE REFERENCE

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.

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.

Do not overreach. Keep proper footing and balance at all times. This will enable better control of the power tool in unexpected situations.

CAUSES & OPERATOR PREVENTION OF KICKBACK

Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator. When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator. If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward operator.

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

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.

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.

When restarting a saw in the workpiece, centre the saw blade in the kerf and check that the saw teeth are not engaged into the material. If saw blade is binding, it may walk up or kick back from the workpiece as the saw is restarted.

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.

Do not use dull or damaged blades.

Unsharpened or improperly set blades produce a narrow kerf causing excessive friction, blade binding and kickback.

Blade depth and bevel adjusting locking levers must be tight and secure before making a cut. If blade adjustment shifts while cutting, it may cause binding and kickback.

Use extra caution when making a "plunge cut" into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

LOWER GUARD WARNINGS

Check 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 in the open position. If the saw is accidentally dropped, lower guard may be bent. Raise the lower guard

⚠️ WARNING ⚠️

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with the blade guard lever 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.

Lower guard should be retracted manually only for special cuts such as "plunge cuts" and "compound cuts". Raise lower guard by blade guard lever.

As soon as blade enters the material, the lower guard must be released. For all other sawing tasks, 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. An unprotected, coasting blade will cause the saw to walk backward, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after the switch is released.

MAINTENANCE & STORAGE.

Maintain the power tool. 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.

Store idle power tools out of 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.

SERVICE.

Have your power tool serviced by a qualified repair person using identical replacement parts only to ensure that the

safety of the power tool is maintained.

IMPORTANT PRODUCT CARE INFORMATION.

This tool uses Lithium-ion battery cells. Care **MUST** be taken to ensure both the safety and life of the battery is maintained. Ensure you have read all of the safety information in the previous pages before using the tool.

Safety devices and circuitry for this tool are located in the battery of this tool. The battery is a vital component, not just for the power source, but also for the full safety control for both the charging and tool operation.

Avoid overloading the tool during operation.

NOTE: The battery is more susceptible to overloading when at the lower end of the charge.

ADDITIONAL SAFETY INFORMATION FOR THE CHARGER.

This tool is powered by Lithium-ion batteries which may only be charged with the specifically designed Lithium-ion battery charger purchased with this tool. Do not attempt to charge the battery with any charger other than the one supplied as this is potentially dangerous. Do not plug anything other than the supplied battery into the charger as other objects may touch dangerous voltage points or short out parts which may result in fire or electric shock.

Before using the charger, read all instructions, labels and cautionary markings on the charger and battery, as well as the instructions on using the battery.

Do not use the charger if it has been subjected to a heavy knock, dropped or otherwise damaged in any way. Take the charger to an authorised service centre for it to be checked and repaired.

⚠ WARNING ⚠

PLEASE READ THESE INSTRUCTIONS CAREFULLY AND KEEP FOR FUTURE REFERENCE

DANGER! If the battery is cracked or damaged in any way, do not insert it into the charger.

Do not attempt to disassemble the charger. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly may result in the risk of fire or electric shock. If there is a problem with the battery or tool, take it to your nearest authorised service centre.

Take the tool or charger to your nearest authorised service centre:

If liquid has been spilled into the tool or charger, or if rain or water has touched the tool or charger.

If the tool or charger does not operate normally after you follow the operating instructions.

If the tool or charger exhibits a distinct degradation in performance.

If the tool or charger is damaged in any way.

If the battery is not charged within the time frame as specified in this manual, turn the charger off.

Use the battery charger indoors only.

Do not place the tool or charger on an uneven surface as a fall may cause serious damage.

Do not operate the charger in a cabinet or other enclosure unless proper ventilation is provided.

Never place the tool or charger near or over a heat source such as radiator or heater.

Do not charge batteries or use the tool and battery in locations where the temperature may be below 0°C, or above 40°C such as inside sheds or metal structures.

The battery can be charged or operated at temperatures between 0°C and 40°C.

WARNING! Never charge your Lithium-

ion battery below or above temperatures recommended as this may result in fire or serious damage to the battery.

The most suitable temperatures to charge the battery are between 20°C and 25°C.

Do not place any object onto the charger or allow any object to rest on the charger.

Make sure that the charger cable is positioned where it will not be stepped on, tripped over or otherwise subjected to damage or stress. Keep the lead away from operating machinery.

Do not use an extension cord unless absolutely necessary. The use of an improper extension cord could result in fire or electric shock.

Never attempt to connect two chargers together.

WARNING! Do not allow water or any other liquid to come into contact with the charger as this may result in electric shock. Do not position the tool or battery charger near water. Take care not to spill liquid of any kind on the tool or charger.

To reduce the risk of electric shock, unplug the charger from the power supply before attempting to clean it. To clean the tool or charger, wipe with a damp cloth. Use of any other cleaners is not recommended.

Do not pull on the lead of the charger to disconnect it from the mains power socket.

ADDITIONAL SAFETY INFORMATION RELATED TO BATTERY SAFETY.

Use only the battery supplied with this tool or DOMU Brands approved replacements.

Do not use the battery to power any device other than the tool it was sold with.

Charge the battery only with the charger supplied with the tool or approved replacements and according to the

⚠ WARNING ⚠

PLEASE READ THESE INSTRUCTIONS CAREFULLY AND KEEP FOR FUTURE REFERENCE

instructions in this manual.

Do not charge the battery in a place where static electricity is generated, or let the battery touch anything that is statically charged.

Handle batteries with care to avoid shorting the battery with conducting materials such as nails, screws, metal watches, hands, rings, bracelets and keys. The battery may overheat and could cause burns.

Never attempt to open the battery, puncture the battery, or subject the battery to strong physical shock.

Stop using the product if it exhibits abnormal heat, odour, colour, deformation, or is in an abnormal condition.

If you detect leakage or a foul odour, it is especially important to keep the battery away from fire. If battery liquid leaks onto your skin or clothes, wash well with clean water immediately. If liquid leaking from the battery leaks into your eyes, do not rub your eyes; rinse eyes well (for at least 10 minutes) with clean water, and consult a doctor immediately. Never use a leaking battery.

Always allow the battery to cool down after charging. Do not leave in a hot environment.

Take care where the tool is stored. Do not store in areas of corrosive fumes, or salt air or similar conditions. Try to store the tool in the packaging it is supplied in.

WARNING! Never store or leave your Lithium-ion battery in temperatures over that recommended as this may result in fire.

Do not store the Lithium-ion battery anywhere that the temperature can easily reach temperatures higher than recommended (garden sheds, vehicles in direct sunlight etc.) Think before leaving your Lithium-ion battery in storage.

Do not dispose of the battery in a fire, or put the battery into a microwave oven, conventional oven, dryer or high-pressure container, as the battery may explode under these conditions.

After it has reached the end of its useful life, we recommend recycling the battery at your local municipal council recycling centre. **DO NOT** attempt to replace the battery cells in the product or repair or modify any part of the battery assembly. When recycling, make the battery non-conductive by applying insulating tape to the terminals located on the battery.

WHEN TO CHARGE THE BATTERY.

The battery should be fully charged before use.

The battery can be recharged at any time during use, provided the pack is not overheated.

If the battery starts to cut out due to low voltage, or tasks previously undertaken can no longer be performed, it is recommended to stop using the tool and recharge the battery.

SAFETY SYMBOLS

The following safety symbols may appear on this product. Please ensure you understand their meanings before operating this product in order to prevent personal injury and avoid damage to the tool.



WARNING! Pay attention to all safety and guidance



Read manual before use



Wear eye and ear protection



Wear a dust mask



Wear protective gloves

DECLARATION OF CONFORMITY

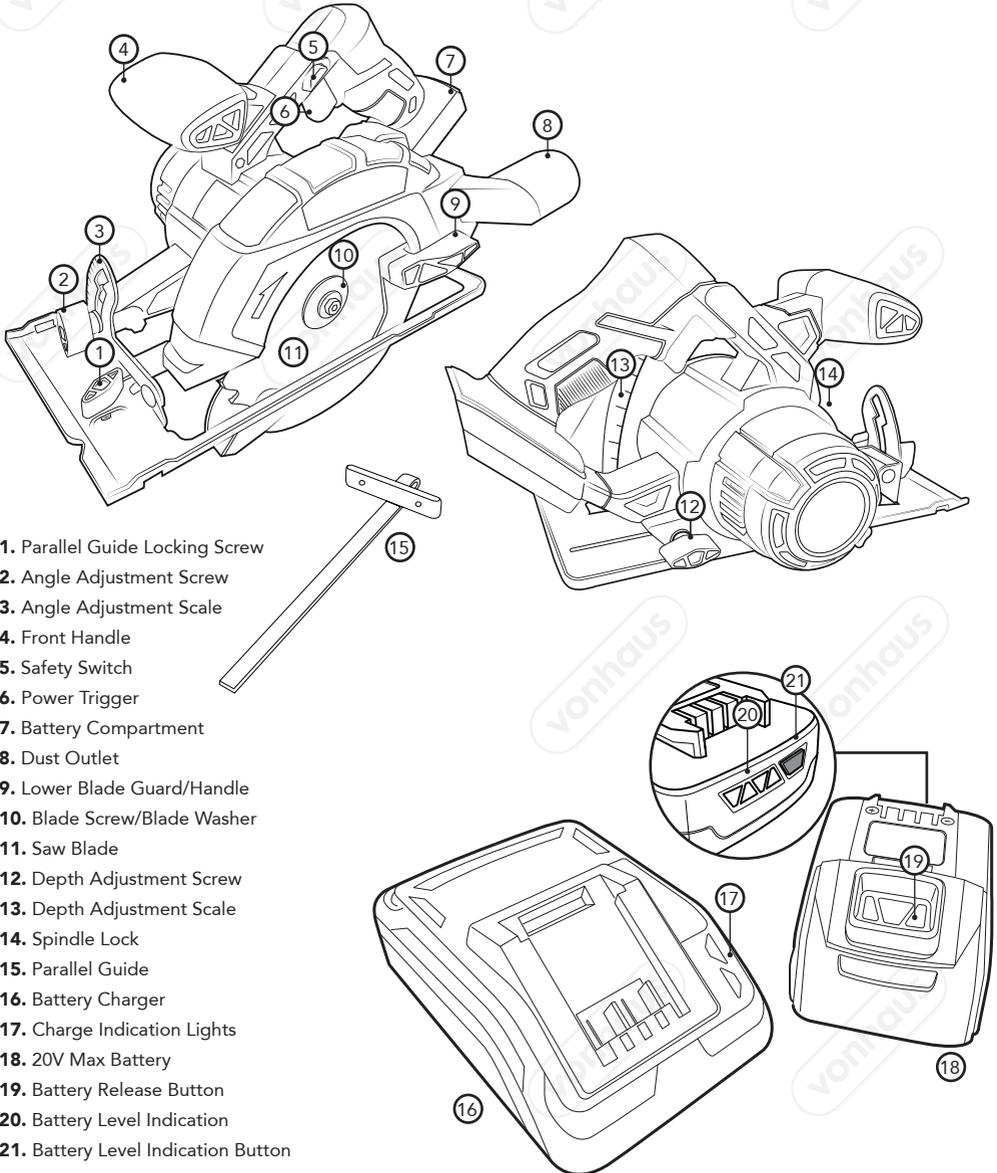
We:
DOMU Brands Ltd
5th Floor The Tower
Deva City Office Park
Manchester
M3 7BF

Declare under our sole responsibility that the product:
SKU: 3500008
Description: VonHaus 20V Max Circular Saw
To which this declaration relates is in conformity with the following directives:

2014/30/EU, 2014/35/EU, 2006/42/EC, 2011/65/EU, 2013/56/EC

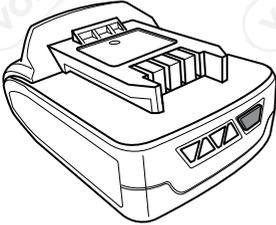
SPECIFICATION

CHARGER OUTPUT	BATTERY	BATTERY TYPE	BLADE SIZE	MAX CUT AT 90°	MAX CUT AT 45°
V 21V  2.4A	V 20 Max	Li-ion	Ømm 165x16	mm 54	mm 40



BATTERY CAPACITY INDICATOR

When in use you can check the status of the 20V Max Battery (18) by pressing the Battery Level Indication Button (21). Pressing this will illuminate the 20V Max Battery's level of charge.



0-10% Charged



10-25% Charged



25-50% Charged



50-75% Charged



100% Charged

CHARGING LIGHTS

IMPORTANT if the battery does not fit properly, disconnect it and confirm that the battery pack is the correct model for this charger as shown on the specification chart. Do not charge any other battery pack or any battery pack that does not securely fit the charger.

Connect the Battery Charger (16) to the power outlet socket.

- Frequently monitor the Battery Charger and 20V Max Battery while connected.
- Unplug the Battery Charger (16) and disconnect it from the 20V Max Battery (18) when finished.
- Allow the 20V Max Battery (18) to cool completely before using it.
- Store the Battery Charger (16) and 20V Max Battery (18) indoors, and out of reach of children.

GREEN LIGHT	RED LIGHT	BATTERY ON THE CHARGER	CHARGING STATUS
ON	OFF	NO	Charger connected to power supply.
OFF	FLASHING	YES	Battery being charged.
ON	OFF	YES	Battery fully charged.
ON	ON	YES	Battery defective of faulty connection. Contact DOMU customer services.
ON	ON	YES	Battery too hot or too cold to be charged. Battery will begin to charge once the Battery has cooled sufficiency.

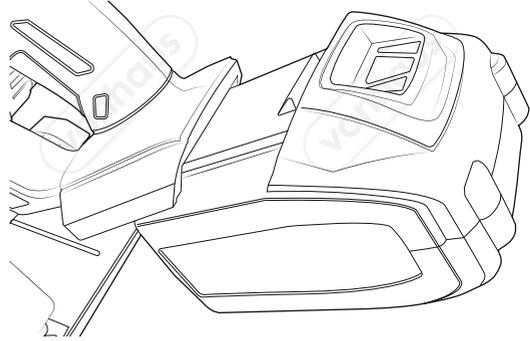
BATTERY INSERTION/REMOVAL

WARNING! Before making any adjustments ensure the appliance is switched off or remove the 20V Max Battery (16).

Hold the Circular Saw with one hand and the 20V Max Battery (16) with the other.

To install, push and slide 20V Max Battery into the battery port, make sure the Battery Release Button (19) of the 20V Max Battery snaps into place and is secure before beginning operation.

To remove, press the Battery Release Button and pull the 20V Max Battery out at the same time.



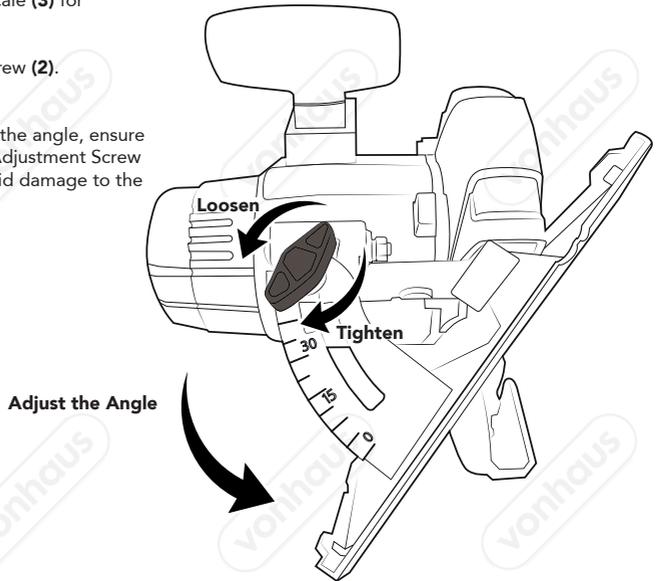
ANGLE ADJUSTMENT

WARNING! Always make sure that the Battery is removed from the Circular Saw before making adjustments or performing maintenance to the tool.

To adjust the angle of the cut, loosen the Angle Adjustment Screw (2), then slide to the degree of tilt using the Angle Adjustment Scale (3) for measurement.

Re-tighten the Angle Adjustment Screw (2).

CAUTION: Once you have adjusted the angle, ensure you have securely re-tightened the Adjustment Screw before using the tool in order to avoid damage to the tool and injury to the user.

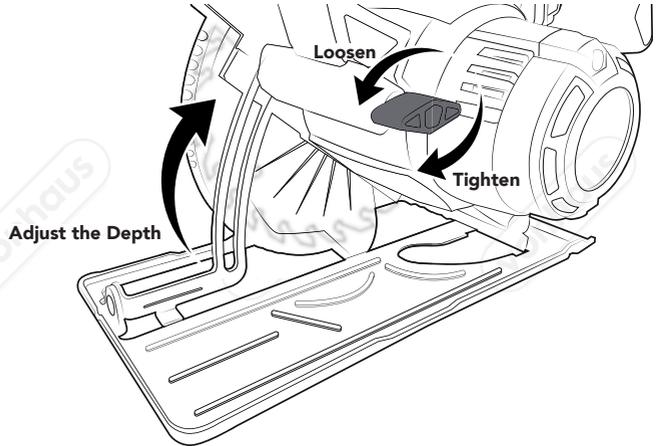


DEPTH ADJUSTMENT

WARNING! Always make sure that the Battery is removed from the Circular Saw before making adjustments or performing maintenance to the tool.

To achieve the required depth of cut, loosen the Depth Adjustment Screw (12) and slide the to the desired depth using the Depth Adjustment Scale (13) as a guide.

Once the desired depth has been set, re-tighten the Depth Adjustment Screw and make sure it is secure.



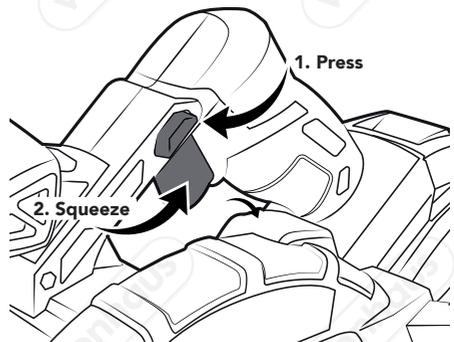
POWERING ON/OFF

WARNING! Always make sure that the Battery is removed from the Circular Saw before making adjustments or performing maintenance to the tool.

IMPORTANT: Before using the Circular Saw, first ensure all screws and bolts are tightened and that you have made all the correct adjustments.

To power on the Saw, press the Safety Switch (5), then simultaneously squeeze the Power Trigger (6).

NOTE: When the Power Trigger is released, the Saw will stop immediately due to a brake mechanism. This prevents the Saw Blade from spinning after you have released the Trigger. To power the tool back on, you will need to follow above steps again.



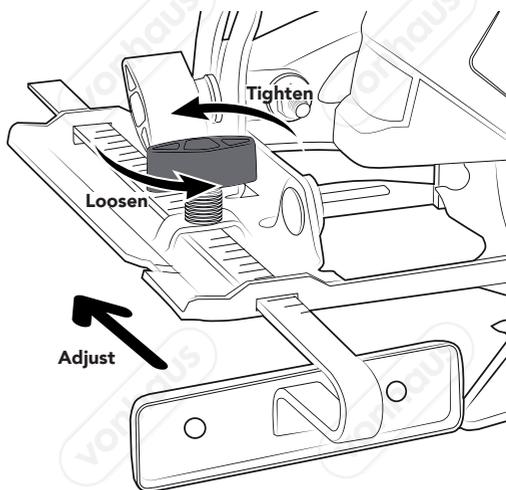
USING THE PARALLEL GUIDE

WARNING! Always make sure that the Battery is removed from the Circular Saw before making adjustments or performing maintenance to the tool.

The Parallel Guide (15) is used when carrying out a straight cut is required.

Loosen the Parallel Guide Locking Screw (1), then slide the Parallel Guide through the two slots located on the Base Plate and re-tighten the Parallel Guide Lock to secure into place.

IMPORTANT: In order to achieve a straight cut, ensure the Parallel Guide rests against the material you are cutting for the entire length to be cut.



OPERATION

WARNING! Always make sure that the Battery is removed from the Circular Saw before making adjustments or performing maintenance to the tool.

IMPORTANT: Before cutting any material, always ensure that it is firmly clamped into place and that you will not be cutting through the table or workbench when adjusting the depth.

NOTE: You can connect a compatible vacuum to the Dust Extraction Outlet to decrease the amount of dust that is being exhausted from the Saw and work area.

GENERAL CUTTING

Always operate the Circular Saw with one hand on the Main Handle and the other on the Auxiliary Handle.

CAUTION: Never force the Saw; always maintain a continuous and light pressure. After completing the cut, always ensure the Saw Blade has come to a stop.

When resuming cutting, always allow the Saw Blade to reach full speed, then proceed with the cut using firm pressure.

When cutting across grain, the fibres of the wood will have a tendency to lift and tear; moving the Saw slowly can minimise this effect.

POCKET CUTTING

Set the Depth Adjustment to the desired cutting depth, re-tighten and plug the tool back in.

With the Saw Blade barely above the material to be cut, power up the tool and allow the Blade to reach full speed.

Gradually lower the Blade onto the material to be cut using the front end as a pivot point. Once the Blade starts to cut, release the Lower Guard using the Lower Guard Lever. When the Base Plate is resting flat on the surface being cut, proceed cutting in a forwards direction for the length of the cut.

CAUTION: Do not pull the Saw backwards whilst in use as this will cause the Saw Blade to climb out of the cut and cause kickback.

ATTACHING/REPLACING THE SAW BLADE

WARNING! Always make sure that the Battery is removed from the Circular Saw before making adjustments or performing maintenance to the tool.

CAUTION: Always wear protective gloves when handling sharp blades.

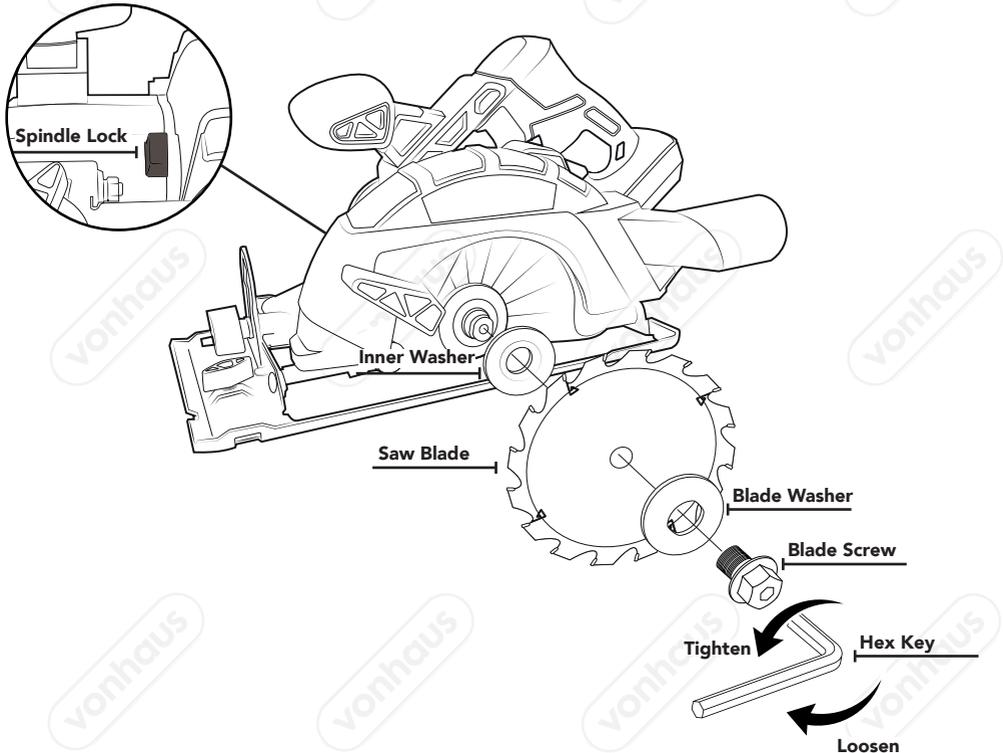
To remove or replace the Saw Blade, you will first need to remove the Blade Screw/Blade Washer (10). To do this, you will need to use the Spindle Lock Button (14) and the Hex Key.

Press and hold the Spindle Lock Button (14). Whilst holding this in place, take the Hex Key and turn **CLOCKWISE** to **LOOSEN** the Blade Screw. Raise the Lower Guard (9) using the Lower Guard Lever, then remove the Saw Blade from below the Saw and place the new blade over the spindle if replacing.

IMPORTANT: Ensure the teeth and arrow printed on the Saw Blade are facing the same direction as that of the arrow that is on the Circular Saw.

Replace the Blade Washer and Blade Screw tighten to secure.

IMPORTANT: Ensure the Saw Blade spins freely by cautiously spinning it with one hand.



CARE AND MAINTENANCE

WARNING! Always make sure that the Battery is removed from the Circular Saw before making adjustments or performing maintenance to the tool.

To clean the Circular Saw effectively, it is recommended to use compressed air. If unavailable, use a brush to remove dust and chips from the Saw.

IMPORTANT: Make sure to clean the ventilation outlets regularly so as to prevent the Saw from overheating.

Clean the exterior body of the tool with a soft damp cloth using mild detergent to remove dust. Dry thoroughly.

CAUTION: Never use any caustic agents - such as gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household cleaners containing ammonia - to clean the body of the tool. Always check the tool for damage or wear before each use. In particular, inspect the Saw Blade for wear and replace if necessary.

Always store in a dry, frost-free place away from children.

TROUBLESHOOTING

PROBLEM	SOLUTION
TOOL DOES NOT POWER ON.	Check that the battery is correctly inserted. Brushes may be worn. Please contact a qualified engineer to have them replaced.
BLADE DOES NOT MOVE.	The Saw Blade may be blocked. Power off and remove the battery, safely remove the blockage. Check that the Blade Clamp, Outer Flange and Saw Blade are all correctly fitted.
POOR CUTTING PERFORMANCE.	Blade may have become worn. Replace as necessary. You may be using the wrong type of Blade for the material.
BLADE BECOMES HOT.	There may be a blockage. Remove the battery and carefully remove the blockage.
BLADE JUDDERING OR VIBRATING ABNORMALLY.	Check that there are no obstructions. Ensure the Saw Blade has been put on in the correct direction. Ensure the Blade Clamp Bolt is securely fastened.

DISPOSAL INFORMATION

PRODUCT DISPOSAL INFORMATION

For electrical products sold within the European Community, at the end of the electrical product's useful life, it should not be disposed of with household waste. Please recycle where facilities exist.

Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of in domestic waste.
- Do not incinerate.
- Do not abandon in the environment.
- Do not dispose of WEEE as unsorted municipal waste.



HEALTH AND SAFETY FOR BATTERIES

Do not put in fire or mutilate – cells may burst and release toxic material.

Do not short-circuit cells as this may cause fire or burns.

The battery must be removed from the appliance before being scrapped.

The battery is to be disposed of safely.

BATTERY DISPOSAL INFORMATION

Do not mutilate batteries as corrosive electrolytes and flammable materials will be released.

Do not incinerate – Danger of explosion and release of toxic fumes.

Do not dispose of batteries or cells in a charged condition.

Expired lithium-ion batteries must be recycled/disposed of in accordance with the appropriate regulation or legislation. They should be returned to your local warranty agent/stockist.



Li-ion

CUSTOMER SERVICE

If you are having difficulty using this product and require support, please contact hello@domu.co.uk

WARRANTY

To register your product and find out if you qualify for a free extended warranty please go to

www.Vonhaus.com/warranty.

Please retain a proof of purchase receipt or statement as proof of the purchase date.

The warranty only applies if the product is used solely in the manner indicated in the Warnings page of this manual, and all other instructions have been followed accurately. Any abuse of the product or the manner in which it is used will invalidate the warranty.

Returned goods will not be accepted unless re-packaged in its original packaging and accompanied by a relevant and completed returns form. This does not affect your statutory rights.

No rights are given under this warranty to a person acquiring the appliance second-hand or for commercial or communal use.

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Thank you for purchasing the 20V Max Circular Saw

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