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You can read the recommendations in the user guide, the technical guide or the installation guide for MAKITA MLS100. You'll find the answers to all your questions on the MAKITA MLS100 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual MAKITA MLS100
User guide MAKITA MLS100
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Instruction manual MAKITA MLS100



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Manual abstract:

@@@The following show the symbols used for the equipment. Be sure that you understand their meaning before use. read instruction manual. @@Do not place hand or fingers close to the blade. For your safety, remove the chips, small pieces, etc. From the table top before operation. @@Failure to do so may cause serious injury to operator. to loosen the bolt , turn it clockwise. Only for EU countries Do not dispose of electric equipment together with household waste material! In observance of European Directive 2002/96/EC on waste electric and electronic equipment and its implementation in accordance with 2 National law, electric equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. Intended use The tool is intended for accurate straight and miter cutting in wood.

With appropriate saw blades, aluminum can also be sawed. Power supply The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated in accordance with European Standard and can, therefore, also be used from sockets without earth wire. When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before operating this product and save these instructions. Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep work area well lit. Do not use power tools where there is risk to cause fire or explosion. guard against electric shock.

Avoid body contact with earthed or grounded surfaces (e. Do not let visitors touch the tool or extension cord. All visitors should be kept away from work area. store idle tools. When not in use, tools should be stored in a dry, high or locked up place, out of reach of children. do not force the tool. It will do the job better and safer at the rate for which it was intended. use the right tool. Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for purposes not intended; for example, do not use circular saws to cut tree limbs or logs.

dress properly. Do not wear loose clothing or jewellery, they can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protecting hair covering to contain long hair. Use safety glasses and hearing protection. If devices are provided for the connection of dust extraction and collection facilities ensure these are connected and properly used. do not abuse the cord. Never carry the tool by the cord or yank it to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges. It is safer than using your hand and it frees both hands to operate the tool. Keep cutting tools sharp and clean for better and safer performance. Keep handles dry, clean and free from oil and grease. disconnect tools. When not in use, before servicing and when 3 Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on. avoid unintentional starting.

Do not carry a plugged-in tool with a finger on the switch. When tool is used outdoors, use only extension cords intended for outdoor use. stay alert. Watch what you are doing. use common sense.

Do not operate tool when you are tired. check damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated in this instruction manual. have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off. warning. The use of any accessory or attachment, other than those recommended in this instruction manual or the catalog, may present a risk of personal injury. have your tool repaired by a qualified person.

This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user. Keep hands out of path of saw blade. Do not operate saw without guards in place. Check blade guard for proper closing before each use. Do not operate saw if blade guard does not move freely and close instantly. Never clamp or tie the blade guard into the Do not perform any operation freehand. The workpiece must be secured firmly against the turn base and guide fence with the vise during all operations. Never use your hand to secure the workpiece. Never reach around saw blade.

Turn off tool and wait for saw blade to stop before moving workpiece or changing settings. Check the blade carefully for cracks or damage before operation. replace cracked or damaged blade immediately. Use only flanges specified for this tool. be careful not to damage the arbor , flanges (especially the installing surface) or bolt.

Damage to these parts could result in blade breakage. Make sure that the turn base is properly secured so it will not move during operation. For your safety, remove the chips, small pieces, etc. From the table top before operation. avoid cutting nails.

Inspect for and remove all nails from the workpiece before operation. Make sure the shaft lock is released before the switch is turned on. Be sure that the blade does not contact the turn base in the lowest position. hold the handle firmly. Be aware that the saw moves up or down slightly during start-up and stopping. Make sure the blade is not contacting the workpiece before the switch is turned on. Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced blade. Wait until the blade attains full speed before cutting. Stop operation immediately if you notice anything abnormal.

Do not attempt to lock the trigger in the on position. Be alert at all times, especially during repetitive, monotonous operations. Do not be lulled into a false sense of security. blades are extremely unforgiving. Always use accessories recommended in this manual. Use of improper accessories such as abrasive wheels may cause an injury. Do not use the saw to cut other than wood, aluminum or similar materials. Take care when slotting. replace the kerf board when worn. Do not use saw blades manufactured from high speed steel.

Some dust created from operation contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are: A· Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.



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To reduce the emitted noise, always be sure that the blade is sharp and clean. The operator is adequately trained in the use, adjustment and operation of the machine.

Use correctly sharpened saw blades. Observe the maximum speed marked on the saw blade. Refrain from removing any cut-offs or other parts of the workpiece from the cutting area whilst the tool is running and the saw head is not in the rest position. When the tool is shipped, the handle is locked in the lowered position by the stopper pin. Loosen the bolt with a wrench provided with the tool and move the saw head to the right angle. Remove the bolt and secure the saw head with the knob. CAUTION: Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool. When the tool is shipped, the handle is locked in the lowered position by the stopper pin. This tool should be bolted with four bolts to a level and stable surface using the bolt holes provided in the tool's base. When lowering the handle, the blade guard rises automatically. The guard is spring loaded so it returns to its original position when the cut is completed and the handle is raised. @@@@ When cleaning is complete, reverse procedure above and secure bolt. Do not remove spring holding blade guard. @@@@ Always do this with the tool unplugged. @@@@ lower the handle completely.

@@ Turn the turn base while pressing down the lock lever. @@@@ WARNING: NEVER use tool without a fully operative switch trigger. Any tool with an inoperative switch is HIGHLY DANGEROUS and must be repaired before further usage. CAUTION: Always be sure that the tool is switched off and unplugged before carrying out any work on the tool. Push the handle to the left to tilt the saw blade until the pointer points to the desired angle on the bevel scale. then tighten the knob clockwise firmly to secure the arm. CAUTION: When tilting the saw blade, be sure to raise the handle fully. After changing the bevel angle, always secure the arm by tightening the knob clockwise. CAUTION: Always be sure that the tool is switched off and unplugged before installing or removing the blade. When removing or installing the blade, keep the handle in the raised position.

CAUTION: Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position while applying pressure in parallel with the blade. When the cut is completed, switch off the tool and WAIT UNTIL THE BLADE HAS COME TO A COMPLETE STOP before returning the blade to its fully elevated position. CAUTION: Always be sure that the blade will move down to bevel direction during a bevel cut. Keep hands out of path of saw blade. â During a bevel cut, it may create a condition whereby the piece cut off will come to rest against the side of the blade. If the blade is raised while the blade is still rotating, this piece may be caught by the blade, causing fragments to be scattered which is dangerous. The blade should be raised ONLY after the blade has come to a complete stop. â When pressing the handle down, apply pressure parallel to the blade. If the pressure is not parallel to the blade during a cut, the angle of the blade might be shifted and the precision of the cut will be impaired. 4.

Compound cutting Compound cutting is the process in which a bevel angle is made at the same time in which a miter angle is being cut on a workpiece. Wood facing Use of wood facing helps to assure splinter-free cuts in workpieces. Attach a wood facing to the guide fence using the holes in the guide fence. See the figure concerning the dimensions for a suggested wood facing. CAUTION: Use straight wood of even thickness as the wood facing. â Use screws to attach the wood facing to the guide fence. The screws should be installed so that the screw heads are below the surface of the wood facing. â When the wood facing is attached, do not turn the turn base with the handle lowered. When securing aluminum extrusions, use spacer blocks or pieces of scrap as shown in the figure to prevent deformation of the aluminum. Use a cutting lubricant when cutting the aluminum extrusion to prevent build-up of the aluminum material on the blade.

CAUTION: Never attempt to cut thick or round aluminum extrusions. Thick aluminum extrusions may come loose during operation and round aluminum extrusions cannot be secured firmly with this tool. When cutting several pieces of stock to the same length, ranging from 240 mm to 380 mm, use of the set plate (optional accessory) will facilitate more efficient operation. install the set plate on the holder (optional accessory) as shown in the figure. Align the cutting line on your workpiece with either the left or right side of the groove in the kerf board, and while holding the workpiece from moving, move the set plate flush against the end of the workpiece. Then secure the set plate with the screw. When the set plate is not used, loosen the screw and turn the set plate out of the way. Secure the blade at 0° bevel angle and the turn base at left miter angle fully. @@, you can carry the tool more easily. Loosen the grip which secures the turn base.

@@@@ Square the side of the blade with the face of the guide fence using a triangular rule, try-square, etc. Then securely tighten the hex bolts on the guide fence in the order from the right side. CAUTION: Always secure all moving portions before carrying the tool. Stopper pin is for carrying and storage purposes only and not for any cutting operations. CAUTION: Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

WARNING: Always be sure that the blade is sharp and clean for the best and safest performance. This tool is carefully adjusted and aligned at the factory, but rough handling may have affected the alignment. If your tool is not aligned properly, perform the following: @@ loosen the knob at the rear of the tool. Loosen the hex nut and turn the 0° bevel angle adjusting bolt on the right side of the turn base two or three revolutions clockwise 11 Carefully square the side of the blade with the top surface of the turn base using the triangular rule, try-square, etc. If it does not point to 0° on the bevel scale, loosen the screw which secures the pointer and move and secure the pointer plate so that the pointer points to 0° on the bevel scale.

Replace when they wear down to 3 mm in length. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps. After use, wipe off chips and dust adhering to the tool with a cloth or the like. Keep the blade guard clean according to the directions in the previously covered section titled "Blade guard". Lubricate the sliding portions with machine oil to prevent rust. To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.



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To adjust left 45° bevel angle, loosen the knob and tilt the blade to the left fully. make sure that the pointer on the arm points to 45° on the bevel scale on the arm.

If the pointer does not point to 45°, turn the 45° bevel angle adjusting bolt on the left side of the arm until 12 Wait until the blade attains full speed before cutting. Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California 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, and • arsenic and chromium from chemically-treated lumber. Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. .



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