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You can read the recommendations in the user guide, the technical guide or the installation guide for MAKITA LS1040. You'll find the answers to all your questions on the MAKITA LS1040 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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Manual abstract:

@@@All visitors should be kept safe distance from work area. @@ dON'T FORCE TOOL. @@ uSE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed. Learn the tool's applications and limitations, as well as the specific potential hazards peculiar to it. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. nonslip footwear is recommended.

Wear protective hair covering to contain long hair. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool. Keep tools sharp and clean for best and safest performance.

DISCONNECT TOOLS before servicing; when changing accessories such as blades, bits, cutters, and the like. Make sure switch is in off position before plugging in. The use of improper accessories may cause risk of injury to persons. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted. 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, binding 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. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only. Don't leave tool until it comes to a complete stop. When servicing use only identical replacement parts. To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. if the plug does not fit fully in the outlet , reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way. A power source with voltage greater than that specified for the tool can result in SERIOUS INJURY to the user as well as damage to the tool.

if in doubt , DO NOT PLUG IN THE TOOL. Using a power source with voltage less than the nameplate rating is harmful to the motor. uSE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to miter saw safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury. 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 open position.

Do not perform any operation freehand. The workpiece must be secured firmly against the turn base and guide fence with a 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.

Always secure all moving portions before carrying the tool. Check the blade carefully for cracks or damage before operation. replace cracked or damaged blade immediately. 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 to clean blade. 11. Use only flanges specified for this tool. Damage to these parts could result in blade breakage. 13.

Make sure that the turn base is properly secured so it will not move during operation. Use the holes in the base to fasten the saw to a stable work platform or bench. NEVER use tool where operator positioning would be awkward. 14. For your safety, remove the chips, small pieces, etc. From the table top before operation. Inspect for and remove all nails from the workpiece before operation. 16. Make sure the shaft lock is released before the switch is turned on. 17. Be sure that the blade does not contact the turn base in the lowest position. Be aware that the saw moves up or down slightly during start-up and stopping. 19. Make sure the blade is not contacting the workpiece before the switch is turned on. 20.

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. 21. Wait until the blade attains full speed before cutting. 22.

Stop operation immediately if you notice anything abnormal. 23. Do not attempt to lock the trigger in the on position. 24. Be alert at all times, especially during repetitive, monotonous operations. Do not be lulled into a false sense of security. Always use accessories recommended in this manual. Use of improper accessories such as abrasive wheels may cause an injury. This is called crossarmed cutting and exposes user to risk of SERI27. do not abuse cord.

Never yank cord to disconnect it from the receptacle. Keep cord away from heat, oil, water and sharp objects. Cut only one piece at a time. 29. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data. WARNING: MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury. When the tool is shipped, the handle is locked in the lowered position by the stopper pin. This tool should be bolted with two bolts to a level and stable surface using the bolt holes provided in the tool's base. CAUTION: Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool. 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. nEVER DEFEAT OR REMOVE THE BLADE GUARD OR THE SPRING WHICH ATTACHES TO THE GUARD. In the interest of your personal safety, always maintain the blade guard in good condition.

Any irregular operation of the blade guard should be corrected immediately. If the see-through blade guard becomes dirty, or sawdust adheres to it in such a way that the blade and/or workpiece is no longer easily visible, unplug the saw and clean the guard carefully with a damp cloth.



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Do not use solvents or any petroleum-based cleaners on the plastic guard. If the blade guard is especially dirty and vision through the guard is impaired, use the supplied socket wrench to loosen the hex bolt holding the center cover. Loosen the hex bolt by turning it counterclockwise and raise the blade guard and center cover.

With the blade guard so positioned, cleaning can be more completely and efficiently accomplished. When cleaning is complete, reverse procedure above and secure bolt. Do not remove spring holding blade guard. If guard becomes discolored through age or UV light exposure, contact a Makita service center for a new guard. CAUTION: After installing a new blade, always be sure that the blade does not contact any part of the lower base when the handle is lowered completely. Always do this with the tool unplugged. This tool is provided with the kerf board in the turn base to minimize tearing on the exit side of a cut. If the kerf groove has not yet been cut in the kerf board by the factory, you should cut the groove before actually using the tool to cut a workpiece. Switch on the tool and lower the blade gently to cut a groove in the kerf board. Turn the turn base while pressing down the lock lever.

When you have moved the grip to the position where the pointer points to the desired angle on the miter scale, securely tighten the grip clockwise. CAUTION: When turning the turn base, be sure to raise the handle fully. After changing the miter angle, always secure the turn base by tightening the grip firmly. This tool is factory adjusted to provide the maximum cutting capacity for a 255 mm (10") saw blade. When installing a new blade, always check the lower limit position of the blade and if necessary, adjust it as follows: First, unplug the tool. Lower the handle completely. Use the socket wrench to turn the adjusting bolt until the periphery of the blade extends slightly below the top surface of the turn base at the point where the front face of the guide fence meets the top surface of the turn base. With the tool unplugged, rotate the blade by hand while holding the handle all the way down to be sure that the blade does not contact any part of the lower base. Push the handle to the left to tilt the saw blade until the pointer points to the desired angle on the bevel scale. 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 lever clockwise. CAUTION: Always be sure that the tool is switched off and unplugged before carrying out any work on the tool. CAUTION: Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released. Do not pull the switch trigger hard without pressing in the lock-off button. CAUTION: Always be sure that the tool is switched off and unplugged before installing or removing the blade.

To prevent the switch trigger from being accidentally pulled, a lock-off button is provided. WARNING: NEVER use tool without a fully operative switch trigger. @@@@NEVER tape down or defeat purpose and function of lock-off button. @@Raise the blade guard and center cover. @This tool is equipped with an electric blade brake.

@@@@Return the blade guard and center cover to its original position. Then tighten the hex bolt clockwise to secure the center cover. @@Lower the handle to make sure that the blade guard moves properly. Make sure shaft lock has released spindle before making cut. @@To attach the dust bag, fit it onto the dust nozzle. @@@@NOTE before returning the blade to its fully elevated position. @@Keep hands out of path of saw blade.

@@@@When pressing the handle down, apply pressure parallel to the blade. @@@@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. Switch on the tool without the blade making any contact and wait until the blade attains full speed before lowering.

Then gently lower the handle to the fully lowered position to cut the workpiece. 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. Cutting crown and cove moldings Crown and cove moldings can be cut on a compound miter saw with the moldings laid flat on the turn base. There are two common types of crown moldings and one type of cove moldings; 52/38° wall angle crown molding, 45° wall angle crown molding and 45° wall angle cove molding. A For inside corner For outside corner (1) (2) (3) (4) Miter angle A (1) (2) For outside corner (3) (4) Ceiling contact edge should be against guide fence. Molding edge against guide fence Ceiling contact edge should be against guide fence. Wall contact edge should be against guide fence. There are crown and cove molding joints which are made to fit "Inside" 90° corners ((1) and (2) in Fig. Lay crown molding with its broad back (hidden) surface down on the turn base with its CEILING CONTACT EDGE against the guide fence on the saw. â The finished piece to be used will always be on the LEFT side of the blade after the cut has been made.

Measuring Measure the wall length and adjust workpiece on table to cut wall contact edge to desired length. Always make sure that cut workpiece length at the back of the workpiece is the same as wall length. adjust cut length for angle of cut. Always use several pieces for test cuts to check the saw angles. When cutting crown and cove moldings, set the bevel angle and miter angle as indicated in the table (A) and position the moldings on the top surface of the saw base as indicated in the table (B).

Crown molding stoppers (optional accessories) allow easier cuts of crown molding without tilting the saw blade. 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.

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. Position crown molding with its WALL CONTACT EDGE against the guide fence and its CEILING CONTACT EDGE against the crown molding stoppers as shown in the figure. Adjust the crown molding stoppers according to the size of the crown molding. A For inside corner For outside corner (1) (2) (3) (4) Left 45° Right 45° Miter angle Finished piece Right 45° Save the right side of blade Save the left side of blade Save the right side of blade Save the left side of blade CAUTION: Use straight wood of even thickness as the wood facing.



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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. When the wood facing is attached, do not turn the turn base with the handle lowered. When cutting several pieces of stock to the same length, ranging from 240 mm (9-29/64") to 400 mm (15-3/4"), 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. 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: 1. Loosen the grip which secures the turn base. Turn the turn base so that the pointer points to 0° on the miter scale. tighten the grip and loosen the hex bolts securing the guide fence using the socket wrench. Lower the handle fully and lock it in the lowered position by pushing in the stopper pin.

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. Secure the blade at 0° bevel angle and the turn base at left miter angle fully. Lower the handle fully and lock it in the lowered position by pushing in the stopper pin. , you can carry the tool more easily.

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. Lower the handle fully and lock it in the lowered position by pushing in the stopper pin.

loosen the lever at the rear of the tool. Loosen the hex nut and turn the 0° bevel angle adjusting bolt on the right side of the arm two or three revolutions clockwise to tilt the blade to the right. Carefully square the side of the blade with the top surface of the turn base using the triangular rule, try-square, etc. Make sure that the pointer on the turn base point to 0° on the bevel scale on the arm. If it does not point to 0°, loosen the screw which secures the pointer and adjust the pointer so that it will point to 0°. Replace when they wear down to the limit mark. 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. @@@@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 or Factory Service Centers, always using Makita replacement parts. To adjust left 45° bevel angle, loosen the lever 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 holder. If the pointer does not point to 45°, turn the 45° bevel angle adjusting bolt on the left side of the arm until the pointer points to 45°. **CAUTION:** These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose. If you need any assistance for more details regarding these accessories, ask your local Makita Service Center. Combination Crosscutting Fine cross cuts General purpose blade for fast and smooth rip, crosscuts and miters.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you. Non-ferrous metals For miters in aluminum, copper, brass, tubing, miter saw blades and other non-ferrous metals. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase.

Should any trouble develop during this one year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge. This Warranty does not apply where: · repairs have been made or attempted by others: · Repairs are required because of normal wear and tear: · 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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