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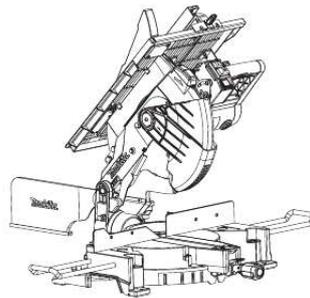
You can read the recommendations in the user guide, the technical guide or the installation guide for MAKITA LH1200FL. You'll find the answers to all your questions on the MAKITA LH1200FL in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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LH1200FL



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Manual abstract:

@@@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. Direct laser beam may injure your eyes. @@@1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 Bolt Lower blade guard A Top blade guard Lower blade guard B Screw Hex bolt Handle Lever Top surface of turn base Periphery of blade Guide fence Pointer Lock lever Grip Miter scale Bevel scale Power switch Lamp switch Switch for laser Lamp Stopper pin Top table Motor housing Center cover Socket wrench Shaft lock Saw blade 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 Blade case Arrow Outer flange Inner flange Spindle Ring Riving knife Area to press in Hex bolts Blade width Rip fence holder Guide rail on the top table Clamping screw (A) Clamping screw (B) Rip fence Line to be aligned with Workpiece Square nut Washer Scale Adjusting screw Dust nozzle Dust bag Fastener Vacuum cleaner Blade cover Support 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 Turn base Vise arm Vise rod Holder Vise knob Projection Vise shaft Base Vise Spacer block Aluminum extrusion Small boss Face/edge parallel Wood screw Glue together Hole (7 mm in diameter) Push stick Auxiliary fence Push block Triangular rule 0° bevel angle adjusting bolt Top surface of turn table Arm 45° bevel angle adjusting bolt Screwdriver Brush holder Cap Cutting capacities (H x W) with blade 305 mm in diameter in the miter saw mode Bevel angle 90° 45° Miter angle 90° 95 mm x 155 mm 62 mm x 200 mm 64 mm x 155 mm 40 mm x 200 mm 45° (left to right) 95 mm x 110 mm 62 mm x 135 mm 64 mm x 65 mm 40 mm x 85 mm Cutting capacities at 90° in the table saw (bench saw mode) . Due to our continuing program of research and development, the specifications herein are subject to change without notice. Specifications may differ from country to country. Intended use The tool is intended for accurate straight cutting and (only when used as a miter saw on the lower table) miter cutting in wood. 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. @@@Save all warnings and instructions for future reference.

Wear eye and hearing protection. Other suitable personal protective equipment should be worn. 2. @ 3. @Do not operate saw without guards and riving knife in place.

Check blade guards for proper closing before each use. Do not operate saw if blade guards do not move freely and close instantly. Never clamp or tie the blade guards into the open position. Any irregular operation of the blade guards should be corrected immediately. 5.

Clean and be careful not to damage the spindle, flanges (especially the installing surface) and hex bolt before or when installing the blade. Damage to these parts could result in blade breakage. Poor installation may cause vibration/ wobbling or slippage of the blade. Use only flanges specified for this tool. 6.

Check the blade carefully for cracks or damage before operation. Do not use saw blade which are damaged or deformed. 7. Use only saw blades recommended by the manufacturer and which conform to EN847-1, and observe that the riving knife must not be thicker than the width of the cut by the saw blade and not thinner than the body of the blade. 8.

Always use accessories recommended in this manual. Use of improper accessories such as abrasive cut-off wheels may cause an injury. Do not use saw blades manufactured from high speed steel. 11. To reduce the emitted noise, always be sure that the blade is sharp and clean. Use correctly sharpened saw blades. Observe the maximum speed marked on the saw blade. Inspect for and remove all nails, screws and other foreign material from the workpiece before operation. 14. Knock out any loose knots from workpiece BEFORE beginning to cut.

For your safety, remove the chips, small pieces, etc. From the work area and table top before plugging the tool and starting operation. Keep hands and make your bystander and yourself position out of path of and not in line with saw blade. avoid contact with any coasting blade. It can still cause severe injury and never reach around saw blade.

19. Be alert at all times, especially during repetitive, monotonous operations. Don't be lulled into a false sense of security. Make sure the shaft lock is released before the switch is turned on. 21.

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. 22. Wait until the blade attains full speed before cutting. 23. The tool should not be used for slotting, rabbetting or grooving. 24. 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. 25. Stop operation immediately if you notice anything abnormal.

26. Turn off tool and wait for saw blade to stop before moving workpiece or changing settings. 27. Unplug tool before changing blade, servicing or not in use. 28. Some dust created from operation contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are: - lead from lead-based-painted material 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. When fitted with laser, no exchange with different type of laser is permitted.

Repairs shall only be carried out correctly. 31. Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design: - Damage to health resulting from hand-arm vibrations if the power tool is used over a longer period of time and is not operated or serviced correctly. - Injury or damage caused by loose tool attachments which can unexpectedly slide out from the power tool due to sudden damage, wear or improper mounting.

WHEN USING IN MITER SAW MODE: 32. Do not use the saw to cut other than wood, aluminum or similar materials. 33. Do not perform operation freehand when cutting workpiece in an area close to saw blade. The workpiece must be secured firmly against the turn base and guide fence during all operations.

34. Make sure that the turn base is properly secured so it will not move during operation. 35. Make sure that the arm is securely fixed when beveling. Make sure the blade does not contact the turn base in the lowest position and is not contacting the workpiece before the switch is turned on. Be aware that the saw moves up or down slightly during start-up and stopping. Do not perform any operation freehand.



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Freehand means using your hands to support or guide the workpiece, in lieu of a rip fence. 40. Make sure that the arm is securely fixed in the working position.

Use a push stick or a push block to avoid working with the hands and fingers close to the saw blade. 42. Make sure that the bench saw table is securely fixed at the chosen height. 43. Make sure the blade is not contacting the riving knife or workpiece before the switch is turned on. 44. Always store the push-stick when it is not in use. 45. Pay particular attention to instructions for reducing risk of KICKBACK. KICKBACK is a sudden reaction to a pinched, bound or misaligned saw blade.

KICKBACK causes the ejection of the workpiece from the tool back towards the operator. KICKBACKS CAN LEAD TO SERIOUS PERSONAL INJURY. Avoid KICKBACKS by keeping the blade sharp, by keeping the rip fence parallel to the blade, by keeping the riving knife and blade guard in place and operating properly, by not releasing the workpiece until you have pushed it all the way past the blade, and by not ripping a workpiece that is twisted or warped or does not have a straight edge to guide along the fence. Feed as slowly as possible when cutting hard workpieces. Do not bend or twist workpiece while feeding.

If you stall or jam the blade in the workpiece, turn the tool off immediately. Keep the floor area around the tool level well maintained and free of loose materials such as chips and cut-offs. This tool should be bolted with two bolts to a level and stable surface using the bolt holes provided in the tool's base. Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool. Make sure that the handle cannot be lowered without pushing the lever nearby the handle to the left.

Make sure that the lower blade guards A and B do not open unless the lever near the handle is pushed at the topmost position of the handle.

Loosen the hex bolt by turning it counterclockwise and raise the lower blade guard A and center cover while pushing the lever to the left. With the lower blade guard A so positioned, cleaning can be more completely and efficiently accomplished. When cleaning is complete, reverse procedure above and secure bolt. In the same case for the top blade guard as above stated, loosen the screw holding it with a screwdriver and remove the top blade guard. After cleaning, always reinstall it securely by tightening the screw to the extent that the top blade guard moves smoothly up or down. If any of these blade guards becomes discolored through age or UV light exposure, contact a Makita service center for a new guard. LASER RADIATION Do not stare into beam. To turn on the laser beam, press the upper position (I) of the switch. To turn off the laser beam, press the lower position (O) of the switch.

This tool is factory adjusted to provide the maximum cutting capacity for a 305 mm saw blade. 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. To adjust the up and down of top table, loosen two levers by turning counterclockwise and then raise or lower the top table. Tighten these levers firmly after the adjustment. WARNING: Position the top table at the topmost position when using the tool in the miter saw mode and at the desired position when used (B) between the rip fence and blade. Take both measurements using the tooth marked with the crayon. (Fig. 27) These two measurements should be identical. If the rip fence is not parallel with the blade, proceed as follows: (Fig.

28) (1) Turn the adjusting screws counterclockwise. (2) Shift the back edge of the rip fence slightly to right or left until it becomes parallel with the blade. Be sure to adjust the rip fence so that it is parallel with the blade, or a dangerous kickback condition may occur. Be sure to adjust the rip fence so that it does not contact the top blade guard or saw blade. Before adjusting the riving knife, loosen the two levers by turning counterclockwise until the blade attains full speed. Then gently lower the handle to the fully lowered 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. 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. When pressing the handle down, apply pressure parallel to the blade.

Never cut aluminum in the table saw mode (bench mode). 6. See the figure concerning the dimensions for a suggested wood facing. Use straight wood of even thickness as the wood facing. Use screws to attach the wood facing to the guide fence. If not fixing the blade cover, the table can not be down. CAUTION: Always use "work helpers" such as push sticks and push blocks when there is a danger that your hands or fingers will come close to the blade.

Always hold the workpiece firmly with the table and the rip fence. Do not bend or twist it while feeding. If the workpiece is bent or twisted, dangerous kickbacks may occur. NEVER withdraw the workpiece while the blade is running. If you must withdraw the workpiece before completing a cut, first switch the tool off while holding the workpiece firmly. Wait until the blade has come to a complete stop before withdrawing the workpiece. Failure to do so may cause dangerous kickbacks. NEVER remove cut-off material while the blade is running. NEVER place your hands or fingers in the path of the saw blade. Always secure the rip fence firmly, or dangerous kickbacks may occur.

Always use "work helpers" such as push sticks and push blocks when cutting small or narrow workpieces, or when the blade head is hidden from view while cutting. Always secure all moving portions before carrying the tool. Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance. Always be sure that the blade is sharp and clean for the best and safest performance. Push sticks, push blocks or auxiliary fence are types of "work helpers".

Use them to make safe, sure cuts without the need for the operator to contact the blade with any part of the body. Handle should be in center of plywood piece. Fasten with glue and wood screws as shown. Small piece 10 mm x 9 mm x 30 mm of wood must always be glued to plywood to keep the blade from dulling if the operator cuts into push block by mistake. (Never use nails in push block.



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Remove the rip fence, clamping screw (A), flat washer and square nut from the rip fence holder and then attach and secure the auxiliary fence to the rip fence holder by using a bolt M6 longer than M6 x 50, washers and nut. 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. Miter angle Loosen the grip which secures the turn base. Turn the turn base so that the pointer points to 0° on the miter scale. 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. Turn the 0° bevel angle adjusting bolt on the right side of the turn base two or three revolutions clockwise to tilt the blade to the right. (Fig. 50) Carefully square the side of the blade with the top surface of the turn base using the triangular rule, trysquare, etc.

51) 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°. 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. 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°. @DO NOT allow a long board to move or shift on the table. @@@@If it is not secured enough, retighten it. 3. Turn the tool on and gently feed the workpiece into the blade along with the rip fence. (1) When the width of rip is 40 mm or wider, use a push stick.

(Fig. 44) (2) When the width of rip is narrower than 40 mm, the push stick cannot be used because the push stick will strike the top blade guard. Use the auxiliary fence and push block. install securely the auxiliary fence which is secured to the rip fence holder on the table. Feed the workpiece by hand until the end is about 25 mm from the front edge of the top table.

@@The table must be fixed at the top position. @@@, you can carry the tool more easily. 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.

@@After use, wipe off chips and dust adhering to the tool with a cloth or the like. Keep the blade guards 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. The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another. The declared vibration emission value may also be used in a preliminary assessment of exposure. wARNING: · The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used. Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time). 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. Steel & Carbide-tipped saw blades Vise assembly (Horizontal vise) Vertical vise Socket wrench 13 Holder set Dust bag Triangular rule Blade cover Push stick Ruler assembly (Rip fence) We Makita Corporation as the responsible manufacturer declare that the following Makita machine(s):

Designation of Machine: Table Top Miter Saw Model No. / Type: LH1200FL are of series production and Conforms to the following European Directives: 2006/42/EC And are manufactured in accordance with the following standards or standardised documents: EN61029 The EC Type-Examination Certificate No. bM 50198759 0001 The EC Type-Examination per 2006/42/EC was performed by: TÜV Rheinland LGA Products GmbH Tillystraße 2 , 90431 , Nürnberg , Germany Identification No. 0197 The technical documentation is kept by our authorised representative in Europe who is: Makita International Europe Ltd. Some items in the list may be included in the tool package as standard accessories. They may differ from country to country. Noise The typical A-weighted noise level determined according to EN61029: Model LH1200FL 220 V 240 V Sound pressure level (LpA): 93 dB (A) Sound power level (LWA): 106 dB (A) Uncertainty (K): 3 dB (A) Model LH1200FL 110 V Sound pressure level (LpA): 95 dB (A) Sound power level (LWA): 108 dB (A) Uncertainty (K): 3 dB (A) Wear ear protection Vibration The vibration total value (tri-axial vector sum) determined according to EN61029: Vibration emission (ah): 2. Pour placer le garde parallèle autrement, retirez-le de son support en desserrant la vis de serrage (A) et modifiez son orientation dans le support en fonction du type de coupe à effectuer, tel qu'indiqué sur l'illustration.

insérez l'écrou carré du support de garde parallèle dans l'extrémité arrière d'une des fentes , de sorte qu'ils s'ajustent de la façon illustrée. Pour passer du type d'installation A ou B au type d'installation C ou D, ou vice-versa, retirez l'écrou carré, la rondelle et la vis de serrage (A) du support de garde parallèle, puis placez la vis de serrage (A), la rondelle et l'écrou carré sur la position opposée du support de garde parallèle par rapport à la position initiale. Retirez le garde parallèle, la vis de serrage (A), la rondelle plate et l'écrou carré du support de garde parallèle, puis installez et immobilisez le garde auxiliaire sur le support de garde parallèle au moyen d'un boulon M6 plus long que M6 x 50, de rondelles et d'un écrou. .



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