

LiTool®



CORDLESS OSCILLATING TOOL

LT62068

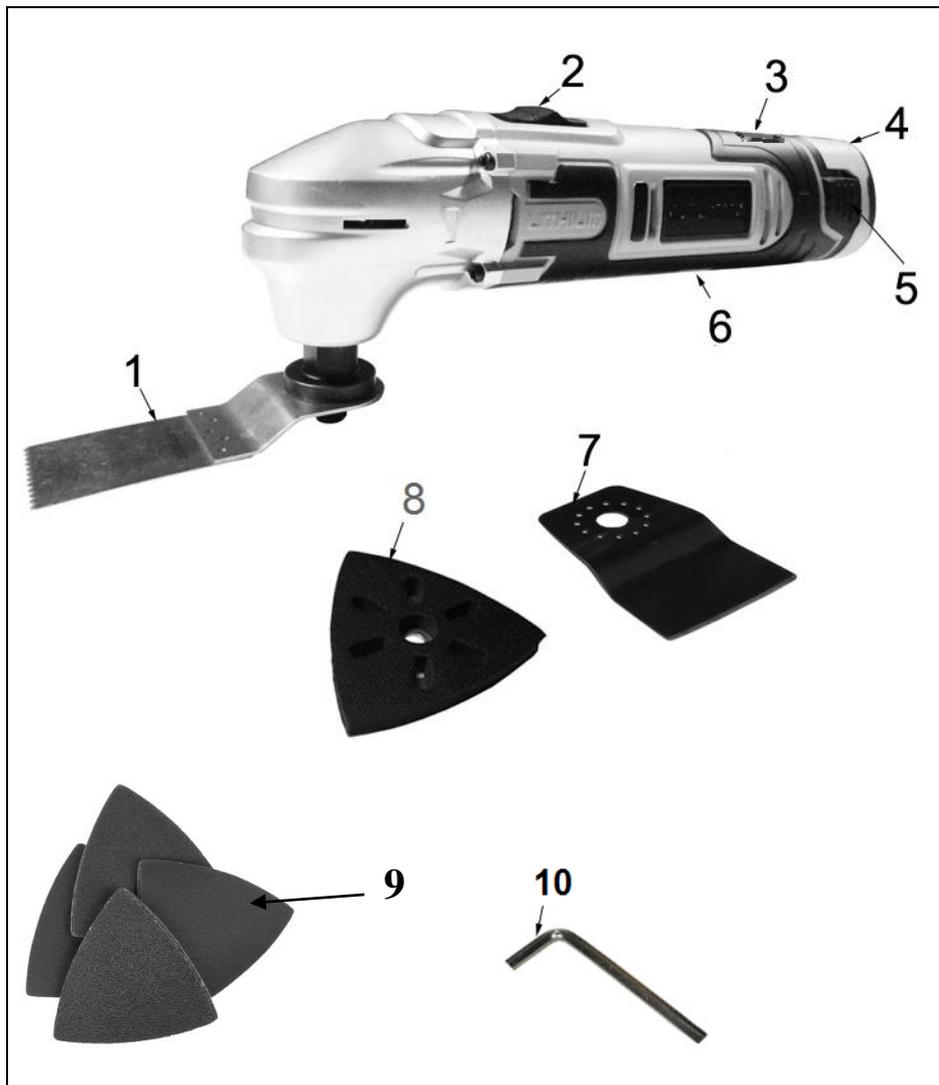
Instruction Manual



Warning: Please make certain that the person intended to use this equipment carefully reads and understands these instructions before starting operations.

Product components:

Fig. A: Cordless Oscillating Tool



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1 APPLICATION

Oscillating Tool : Depending on the accessory mounted on the tool, this machine is intended for a variety of tasks such dry sanding small areas, sawing, scraping, polishing, rasping, cutting, separating, etc.

These tool is not designed for commercial or industrial use.



WARNING! Read this manual and general safety instructions carefully before using the appliance, for your own safety. Your power tool should only be passed on together with these instructions.

2 DESCRIPTION (FIG A)

Cordless Oscillating Tool	
Fig. C	
1.	Cut saw blade
2.	ON/OFF switch button
3.	LED battery indicator
4.	Battery pack
5.	Latch for battery pack
6.	Speed controller
7.	Scraper
8.	Sanding base plate
9.	Sanding paper
10.	Hex key

3 PACKAGE CONTENT LIST

- Remove all packaging materials.
- Check that the package contents are complete.
- Check the appliance, the power cord, the power plug and all accessories for transportation damage.
- Keep the packing materials as far as possible until the end of the warranty period. Dispose of it into your local waste disposal system afterwards.



WARNING: Packaging materials are not toys! Children must not play with plastic bags! There is a danger of suffocation!

Cordless Oscillating Tool
1 x Oscillating Tool
1 x Straight blade
1 x Scraping blade
1 x Sanding base plate
2x Sandpaper sheets

- 1 x 3-5 hours slow charger
- 1 x Battery 1300mAh
- 1x Allen key
- 1 x Instruction manual

4 SYMBOLS

The rating plate on your tool may show certain symbols.

These represent import information about the product or instructions on its use.

	Denotes risk of personal injury or damage to the tool.		"Class II - The charger is double insulated; Earthing wire is therefore not necessary."
	To reduce the risk of injury, user must read manual before use.		

Symbols on the battery :

	Ambient temperature: 50°C max.		Only use indoors.
	Do not throw the battery into water.		Do not throw the battery into fire.

5 GENERAL POWER TOOL SAFETY WARNINGS



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.

Save 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.

5.1 *Work area safety*

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

5.2 *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 the 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 electric shock.*

5.3 *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.** *Protective equipment such as a 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 dust collection can reduce dust-related hazards.*

5.4 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 tool's 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.*
- g) **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.*

5.5 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.

5.6 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.*

6 ADDITIONAL SAFETY INSTRUCTIONS FOR BATTERIES AND CHARGERS

6.1 Batteries

- Never attempt to open for any reason.
- Do not store in locations where the temperature may exceed 40 °C.
- Charge only at ambient temperatures between 4 °C and 40 °C.
- Charge only using the charger provided with the tool.
- When disposing of batteries, follow the instructions given in the section "Recycling".
- Do not cause short circuits. If connection is made between the positive (+) and negative (-) terminal directly or via accidental contact with metallic objects, the battery is short circuited and an intense current will flow causing heat generation which may lead to casing rupture or fire.
- Do not heat. If batteries are heated to above 100 °C, sealing and insulating separators and other polymer components may be damaged resulting in electrolyte leakage and/or internal short circuiting leading to heat generation causing rupture or fire. Moreover do not dispose of the batteries in fire, explosion and/or intense burning may result.
- Under extreme conditions, battery leakage may occur. When you notice liquid on the battery, proceed as follows:
 - Carefully wipe the liquid off using a cloth. Avoid skin contact.
 - In case of skin or eye contact, follow the instructions below:
 - Immediately rinse with water. Neutralize with a mild acid such as lemon juice or vinegar.
 - In case of eye contact, rinse abundantly with clean water for at least 10 minutes. Consult a physician.



Fire hazard! Avoid short-circuiting the contacts of a detached battery. Do not incinerate the battery.

6.2 Charger

- Use the charger provided with the tool only to charge the battery.
- Never attempt to charge non-rechargeable batteries.
- If the supply cord is damaged, it must be replaced by manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not expose to water.
- Do not open the charger.
- Do not probe the charger.
- The charger is intended for indoor use only.
- This charger is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

7 ADDITIONAL SAFETY INSTRUCTIONS FOR THE CORDLESS OSCILLATING TOOL



Risk of injury !

- Only use an undamaged plug and cable of charger.
- Do not treat any materials that produce any particles that are detrimental to health (e.g. asbestos).



Risk of damage to property/material !

- Mains voltage must correspond with the voltage specifications on the charger.
- Only use original accessories.

9.1 *Personal protective equipment*

When using this power tool wear the following protective items:

	Protective glasses
	Ear protection
	Breathing mask
	Wear gloves

8 GENERAL CHARGING INFORMATION

8.1 Charging the battery pack (Fig. 1)

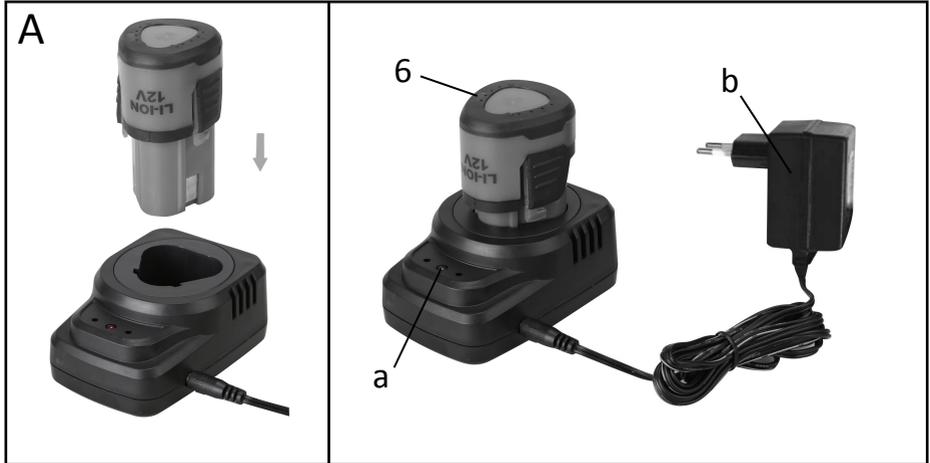


Fig. 1

a. LED light

b. Charger

The battery pack for this tool has been shipped in a low charge condition to prevent any possible problems. You should charge the batteries prior to use.

NOTE : Batteries will not reach full charge the first time they are charged. Allow several cycles (working followed by recharging) for the item to fully charge. The battery should only be charged indoors. The battery pack will become slightly warm to the touch while charging, this is normal and does not indicate a problem.

Do not place the charger in an area of extreme heat or cold, it will work best at normal room temperature.

When the battery is fully charged, unplug your charger from the power supply and remove the battery pack from the charger.

NOTE:

- Allow the battery pack to cool completely before charging.
- Inspect the battery pack before charging; do not charge a cracked or leaking battery pack.

Charging indication: (Refer to Fig. 1)

1. Plug the adaptor into a suitable outlet. Do not use an extension cord. The green light (b) will light to show the power is connected.
2. Push the battery pack to make sure contacts on battery pack engage properly with contacts in charger (Refer to Fig. 1(A)). The light (a) will be red to show the battery is charging .

NOTE: 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.

- Frequently monitor the charger and battery pack while connected.
- Unplug the charger and disconnect it from the battery pack when finished.
- Store the charger and battery pack indoors, out of reach of children.

NOTE: If the battery is hot after continuous use, allow it to cool down to room temperature before charging. This will extend the life of your battery.

9 OPERATION INFORMATION SPECIFIC FOR THE OSCILLATING TOOL

9.1 To install or remove the battery pack.(Fig. 2)

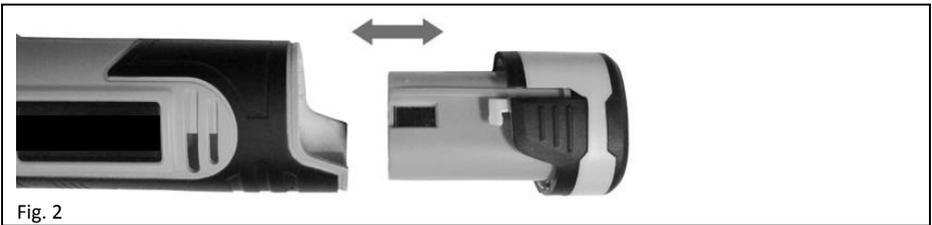


Fig. 2

1. Turn the ON/OFF switch button of this tool to its “OFF” position.
2. To install, slide the battery pack into the battery port. Make sure the latches on each side of the battery pack snap into place and battery pack is secured in the tool before beginning operation.
3. To remove, locate latches on both sides of battery pack and depress both sides to slide out battery pack from the cordless Multi Function Tool body.

9.2 LED battery indicators (Fig. 3)

The machine has 3 LED battery indicators located on the top of the tool.

L1:Green / L2:yellow / L3:red

The battery capacity status can be checked by switching the tool on and pressing the ON/OFF switch button.

The LED lights give you an idea of the capacity level of the battery:

If all 3 LEDs are lit: The battery is fully charged.

If L1 & L2 are lit: the battery has about 60% of its capacity left.

If only L3 is lit : the battery is almost discharged and should be recharged.



Fig. 3

To ensure proper performance, always check if the battery is full enough for prior to operation.

NOTE: The LED battery indicators always light during operation.

NOTE: Please charge the battery after each use. If the tool is not used frequently, it is recommended to charge the battery on a monthly basis.

9.3 Switching ON/OFF (Fig .4)

 <p>Fig.4</p>	<ol style="list-style-type: none">1. Make sure the battery pack is installed.2. Switch the power tool on: push the ON/OFF switch button (2) forwards onto the “ON” position.3. Switch the power tool off: pull the ON/OFF switch button backwards to the “OFF” position.
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9.4 Mounting an accessory (tool)

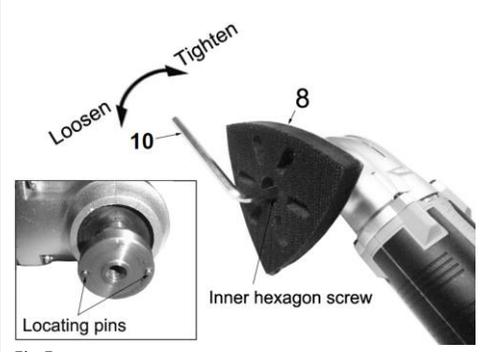


Risk of injury !

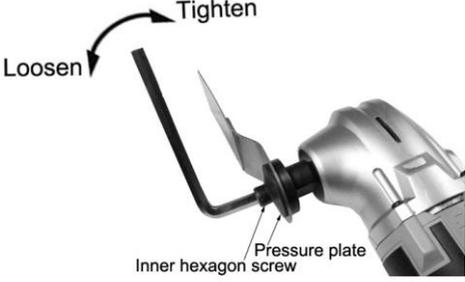
To prevent switching the tool on unintentionally, remove the battery pack from the battery port of this tool before changing the tool.

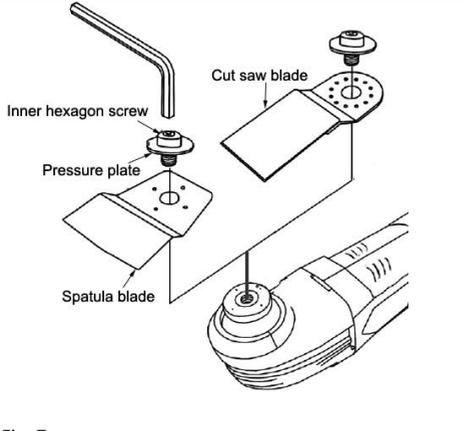
9.4.1 Mounting the sanding plate (Fig. 5)

Note: The sanding plate is fixed firmly to the Multi Function Tool and can not rotate due to the four locating pins on the output spindle. (See below Figure 5)

 <p>Fig 5</p>	<ol style="list-style-type: none">1. Remove the inner hexagon screw with the Allen key (10).2. Fit the sanding plate (8) onto the locating pins of the output spindle firmly and fasten using the respective inner hexagon screw.
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9.4.2 Mounting a cut saw blade or scraper (Fig. 6)

 <p>Loosen</p> <p>Tighten</p> <p>Inner hexagon screw</p> <p>Pressure plate</p> <p>Fig 6</p>	<ol style="list-style-type: none">1. Remove inner hexagon screw with pressure plate by using Allen key (10)..2. Fit the desired cut saw blade/spatula blade onto the locating pins of the output spindle firmly and place inner hexagon screw on the cutter, tighten it with Allen key finally. <p>WARNING: When mounting sanding plate, saw blade, spatula cutter or segment saw blade, make sure it fits correctly on the collar of the tool holding fixture and has a clean supporting surface.</p>
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 <p>Inner hexagon screw</p> <p>Pressure plate</p> <p>Spatula blade</p> <p>Cut saw blade</p> <p>Fig. 7</p>	
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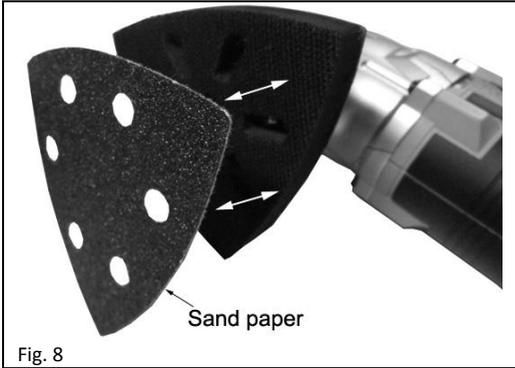


WARNING! When mounting the sanding plate, cut saw blade, scraper, or segment saw blade, make sure it fits correctly on the collar of the tool holding fixture and has a clean supporting surface.

9.4.3 Attaching / replacing the sand paper (Fig. 8)

With fast hook/loop fixation

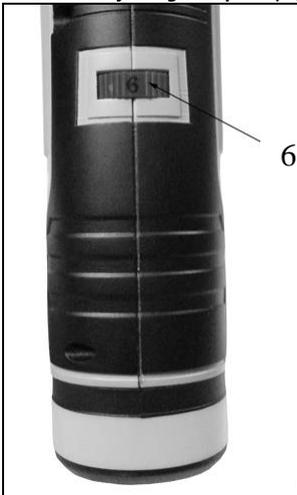
This sanding plate is an equipped with a hook and loop rubber backing pad.



Position the sand paper and press on by hand. Press on the sand paper by giving it a short, firm push against the flat surface of the sanding plate (8) and switch on the power tool. This ensures good adhesion and prevents premature wear.
If the tip (front corner) has worn, pull off the sand paper, turn it through 120° and place it on again, or replace the sand paper.

Fig. 8

9.5 Adjusting the speed (Fig. 9)



Before beginning, adjust the speed control according to the application.

For example, we recommend a higher speed for work with the scraper. Conduct a test run in order to find a suitable speed.

The speed controller (6) can be set at 6 positions. The “1”-position indicates the lowest speed and the “6”-position indicates the highest speed.

You can adjust different speeds by turning the controller from the “1” to the “6” position.

The operator may have to vary the speed to optimize cutting efficiency.

Fig.9

9.6 Application tips

Sanding

Typical application: Sanding wood & metal; sanding small areas, especially corners, edges and places difficult to access.

Sanding with a constant movement and light pressure.

Pressing on heavily does not increase the removal – the sand paper merely becomes worn even faster.

The sand paper lasts longer if the wear is distributed evenly. To ensure an even distribution, loosen the sand paper, turn it round by 120° and then tighten it again firmly.

9.7 Sawing with the Cut saw blade (Fig. 10)



Risk of injury !

To prevent switching the tool on unintentionally, remove the battery pack from the battery port of this tool before changing the tool.



WARNING: The teeth of the Cut saw blade are very sharp. Do not touch during mounting and application !

Before sawing make sure that no live cables will be damaged.

The Cut saw blade must be inserted firmly or clamped tightly before it is put into operation.

Typical application: Wood, plasterboard and soft plastics. Not suitable for metal (e.g. nails) and stone.

Only clamp the Cut saw blade in a straight position. For fixation, use an inner hexagon screw with a pressure plate (Refer to 15.2.2 “Mounting a cut / saw blade or Scraper”)

Always set the Cut saw blade straight (at 90°) and guide it in the gap without tilting.

Always guide the Cut saw blade along the cutting line without exerting any pressure.

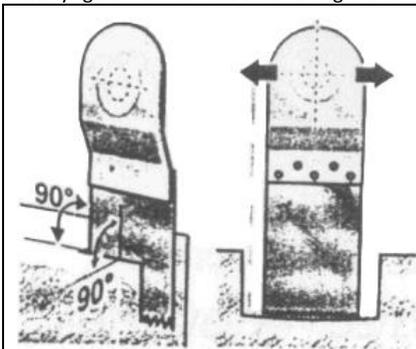


Fig 10

When plunging and sawing with a slight pendulum motion, make sure that sufficient chip removal is provided for.

Keep a certain distance away from hard metals (stone/metal) (approx. 3 mm), since there is increased danger of the outer saw teeth breaking off.

9.8 *Scraper*

Scraper blade is suitable for removing vinyl, varnish, paint layers, carpeting, caulk and other adhesives. Use a rigid scraper blade to remove harder materials, such as vinyl flooring, carpeting and tile adhesives in large area.

Use a flexible scraper blade (not included) to remove softer material such as caulk.

Tips:

1. When removing strong, tacky adhesive, grease the scraper blade surface to reduce gumming up.
2. Begin with light pressure. The oscillating motion of accessory only occurs when pressure is applied to the material to be removed.
3. If you are removing caulk from a delicate surface, such as a bath tub or tile back splash, we recommend taping to protect the surface that blade will rest on.

WARNING: Do not deliberately aim the scraper blade and the other blades at personnel when operation which to avoid personal injury.

10 CLEANING AND MAINTENANCE



Always ensure that the battery is removed from the tool before making any adjustments or maintenance procedures.

- Keep the tools air vents unclogged and clean at all times.
- Regularly wipe off the plastic parts which are accessible from the outside using a cloth without cleaning agent.
- Always allow the power tool to cool off after use.
- Regularly blow out the motor space from outside with dry compressed air.
- Tool service and maintain must be performed only by qualified repair personnel.

11 TECHNICAL DETAILS

Model nr.	LT62068
General tool data	
Charger	
Rated input	220-240V~ 50/60Hz, 12W
Rated output	12.6V, 0.4A
Battery 12V – 1300mAh	
Rated Voltage	12V DC
Type	Li-ion
capacity	1300mAh
Charging time	3-5 hour
Specific tool data	
Cordless oscillating tool	
No-load speed:	10,000-20,000 min ⁻¹
Sanding pad size:	80x80x80mm

12 NOISE

Noise emission values measured according to relevant standard. (K=3dB(A))

	Cordless Oscillating tool
Acoustic pressure level LpA	84 dB(A)
Acoustic power level LwA	95 dB(A)



ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).

	Cordless Oscillating tool	
Max. a _w (Vibration)	3.020 m/s ²	K = 1.5 m/s ²

13 RECYCLING



Meaning of crossed-out wheeled dustbin:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local council for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

13.1 *Preparing battery pack for recycling*



After removing it from the machine, cover the battery pack's terminals with heavy-duty adhesive tape.

- Do not attempt to destroy or take the battery pack apart or remove any of its components.
- Do not touch both terminals with metal object or body parts ! Short circuit may result !
- Keep away from children.
- Failure to comply these warning could result in fire and /or serious injury.

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