



说明书材质要求: 105g 有光铜版纸	说明书成品尺寸: 105*143mm
第一: 专色用6级防晒油墨+CMYK油墨要求: 1. PANTONE137C专色油墨 (专色用6级防晒油墨): 如果自己配色, 油墨配比为: 酒联中黄 (防晒) 2000g 酒联金红 (防晒) 225g 2. C色油墨: 酒联天蓝墨 3. M色油墨: 酒联金红墨 4. Y色油墨: pantone123C专色油墨 5. K色油墨: 酒联黑墨	第二: 特别注意: 1. 印刷时看样请参考我司提供的实物样品颜色。不得偏色 2. 137C的专色 不得 参考C=0, M=35, Y=90, K=0对应的四色 色谱颜色来看样印刷 Pantone 137C Black (两色印刷)
折叠方式: / 骑马钉(20P以上 用骑马钉)	备注:

特别注意: 此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

9	10	11	封面
12	13	14	封底

1	2	3	4
5	6	7	8

20P 页面顺序

11	12	13	14	封面
15	16	17	18	封底

1	2	3	4	5
6	7	8	9	10

更改记录	1. 新制作			1. 更新品名和电池包		
	0923.V01	2023.9.21	CH	1025.V02	2025.10.27	Kiko
	版本号	日期	设计师	版本号	日期	设计师

INGCO

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PRODUCT MANUAL

CORDLESS LAWN MOWER



LMLI20185 LMLI2018xy ULMLI2018xy
LMLI4020 LMLI4020xy ULMLI4020xy
x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)
y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)



GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below 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.

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.*

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 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.*

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 and clothing 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.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

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 remove the battery**

pack, if detachable, 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 and accessories. 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.***
- h) Keep handles and grasping surfaces dry, clean and free from oil and grease. *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.***

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.***

- e) **Do not use a battery pack or tool that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*
- f) **Do not expose a battery pack or tool to fire or excessive temperature.** *Exposure to fire or temperature above 130 °C may cause explosion.*
- g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

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.*
- b) **Never service damaged battery packs.** *Service of battery packs should only be performed by the manufacturer or authorized service providers*

BATTERY TOOL SAFETY WARNINGS

Save these instructions.

⚠ CAUTION

Only use genuine original batteries. *Use of non-genuine batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury, and damage. It will also void the warranty for the tool and charged and dark areas invite accidents.*

⚠ WARNING

- a) **Do not dismantle, open or shred secondary cells or batteries.**
- b) **Keep batteries out of the reach of children.** *Battery usage by children should be supervised. Especially keep small batteries out of reach of small children.*
- c) **Seek medical advice immediately if a cell or a battery has been swallowed.**
- d) **Do not expose cells or batteries to heat or fire.** *Avoid storage in direct sunlight.*
- e) **Do not short-circuit a cell or a battery.** *Do not store cells or batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.*
- f) **Do not remove a cell or battery from its original packaging until required for use.**
- g) **Do not subject cells or batteries to mechanical shock.**
- h) **In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes.** *If contact has been made, wash the affected area with copious amounts of water and seek medical advice.*
- i) **Do not use any charger other than that specifically provided for use with the equipment.**
- j) **Observe the plus (+) and minus (-) marks on the cell, battery and equipment and ensure correct use.**
- k) **Do not use any cell or battery which is not designed for use with the equipment.**
- l) **Do not mix cells of different manufacture, capacity, size or type within a device.**
- m) **Always purchase the battery recommended by the device manufacturer for the equipment.**
- n) **Keep cells and batteries clean and dry.**
- o) **Wipe the cell or battery terminals with a clean dry cloth if they become**

dirty.

- p) **Secondary cells and batteries need to be charged before use.** *Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.*
- q) **Do not leave a battery on prolonged charge when not in use.**
- r) **After extended periods of storage, it may be necessary to charge and discharge the cells or batteries times to obtain maximum performance.**
- s) **Retain the original product literature for future reference.**
- t) **Use the cell or battery only in the application for which it was intended.**
- u) **When possible, remove the battery from the equipment when not in use.**
- v) **Dispose of properly.**

Tips for maintaining maximum battery life

- a) **Charge the battery cartridge before completely discharged.** *Always stop tool operation and charge the battery cartridge when you notice less tool power.*
- b) **Never recharge a fully charged battery cartridge.** *Overcharging shortens the battery service life.*
- c) **Charge the battery cartridge with room temperature at 10°C-40°C (50°F-104°F).** *Let a hot battery cartridge cool down before charging it.*
- d) **Charge the battery cartridge if you do not use it for a long period (more than six months).**

Important safety instructions for battery cartridge

- 1. **Before using battery cartridge, read all instructions and cautionary markings on battery charger, battery, and) product using battery.**
- 2. **Do not disassemble battery cartridge.**
- 3. **If operating time has become excessively shorter, stop operating immediately.** *It may result in a risk of overheating, possible burns and even an explosion.*
- 4. **If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away.** *It may result in loss of your eyesight.*
- 5. **Do not short the battery cartridge:**
 - a) *Do not touch the terminals with any conductive material.*
 - b) *Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.*

- c) *Do not expose battery cartridge to water or rain.*
- d) *A battery short can cause a large current flow, overheating, possible burns and even a breakdown.*
- 6. **Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50°C (122°F).**
- 7. **Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.**
- 8. **Be careful not to drop or strike battery.**
- 9. **Do not use a damaged battery.**
- 10. **Follow your local regulations relating to disposal of battery.**

Tool / battery protection system

The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend tool and battery life. The tool will automatically stop during operation if the tool or battery is placed under one of the following conditions:

Overload protection

When the battery is operated in a manner that causes it to draw an abnormally high current, the tool automatically stops without any indication. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

Overheat protection

When the tool/battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool before turning the tool on again.

Transportation

Batteries comply with all applicable shipping regulations as prescribed by industry and legal standards (for more information, check with the manufacturer).

Transporting batteries can possibly cause fire if the battery terminals inadvertently come in contact with conductive materials. When transporting batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

The information provided in this section of the manual is provided in good faith and believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure

that its activities comply with the applicable regulations.

Protecting the environment

Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.

Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

Rechargeable battery pack

This long-life battery pack must be recharged when it fails to produce sufficient power on jobs which were easily done before. At the end of its technical life, discard it with due care for our environment:

- *Run the battery pack down completely, then remove it from the tool.*
- *Lithium-ion cells are recyclable. Take them to your dealer or a local recycling station. The collected battery packs will be recycled or disposed of properly.*

THE SYMBOLS IN INSTRUCTION MANUAL

	Read instruction manual.
	CE conformity.
	Take particular care and attention.
	Beware of thrown objects – keep bystanders away.
	Keep hands and feet away from the blades.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
	Remove the disabling device before maintenance.
	Do not pour water.
	Only for EU countries Do not dispose of electric equipment or battery pack together with household waste material! In observance of the European Directives, on Waste Electric and Electronic Equipment and Batteries and Accumulators and Waste Batteries and Accumulators and their implementation in accordance with national laws, electric equipment and batteries and battery pack(s) that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.
	Direct current.

 	Disconnect battery before maintenance
	Activate the disabling device before maintenance.

ADDITIONAL SAFETY WARNING

Cordless lawn Mower safety warning

- a) Do not use the lawnmower in bad weather conditions, especially when there is a risk of lightning. This decreases the risk of being struck by lightning.
- b) Thoroughly inspect the area for wildlife where the lawnmower is to be used. Wildlife may be injured by the lawnmower during operation.
- c) Thoroughly inspect the area where the lawnmower is to be used and remove all stones, sticks, wires, bones, and other foreign objects. Thrown objects can cause personal injury.
- d) Before using the lawnmower, always visually inspect to see that the blade and the blade assembly are not worn or damaged. Worn or damaged parts increase the risk of injury.
- e) Check the grass catcher frequently for wear or deterioration. A worn or damaged grass catcher may increase the risk of personal injury.
- f) Keep guards in place. Guards must be in working order and be properly mounted. A guard that is loose, damaged, or is not functioning correctly may result in personal injury.
- g) Keep all cooling air inlets clear of debris. Blocked air inlets and debris may result in overheating or risk of fire.
- h) While operating the lawnmower, always wear non-slip and protective footwear.
- i) Do not operate the lawnmower when barefoot or wearing open sandals. This reduces the chance of injury to the feet from contact with the moving blade.
- j) While operating the lawnmower, always wear long trousers. Exposed skin increases the likelihood of injury from thrown objects.
- k) Do not operate the lawnmower in wet grass. Walk, never run. This reduces the risk of slipping and falling which may result in personal injury.
- l) Do not operate the lawnmower on excessively steep slopes. This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- m) When working on slopes, always be sure of your footing, always work across the face of slopes, never up or down and exercise extreme caution when changing direction. This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- n) Use extreme caution when reversing or pulling the lawnmower towards you. Always be aware of your surroundings. This reduces the risk of tripping during operation.

- o) Do not touch blades and other hazardous moving parts while they are still in motion. This reduces the risk of injury from moving parts.
- p) When clearing jammed material or cleaning the lawnmower, make sure all power switches are off and the battery pack is disconnected. Unexpected operation of the lawnmower may result in serious personal injury.
- q) When clearing jammed material or cleaning the lawnmower, make sure all power switches are off and remove (or activate) the disabling device. Unexpected operation of the lawnmower may result in serious personal injury.

Training

1. Read the instructions carefully. Be familiar with the controls and the proper use of the mower.
2. Never allow children or people unfamiliar with these instructions to use the mower. Local regulations can restrict the age of the operator.
3. Never operate the mower while people, especially children, or pets are nearby.
4. Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
5. Children should be supervised to ensure that they do not play with the mower.
6. Physical condition - Do not operate mower while under the influence of drugs, alcohol, or any medication.

Instructions for putting into use

1. While operating the mower, always wear substantial footwear and long trousers. Do not operate the mower when barefoot or wearing open sandals. Avoid wearing clothing or jewelry that is loose fitting or that has hanging cords or ties. They can be caught in moving parts.
2. Before use, always visually inspect the mower for damaged, missing or misplaced guards or shields.
3. Be sure the area is clear of other people before mowing. Stop mower if anyone enters the area.
4. Do not insert the lock key into mower until it is ready to be used.

5. Always wear protective goggles to protect your eyes from injury when using power tools. The goggles must comply with ANSI Z87.1 in the USA, EN 166 in



Europe, or AS/NZS 1336 in Australia/New Zealand. In Australia/New Zealand, it is legally required to wear a face shield to protect your face, too. It is an employer's responsibility to enforce the use of appropriate safety protective equipment by the tool operators and by other people in the immediate.

6. Check the blades or blade bolts carefully for cracks or damage before operation. Replace cracked or damaged blades or blade bolts immediately.
7. Remove foreign matters such as rocks, wire, bottles, bones and large sticks from the work area before mowing to prevent personal injury or damage to the mower.
8. Objects struck by the mower blade can cause severe injuries to persons. The lawn should always be carefully examined and cleared of all objects prior to each mowing.
9. Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could cause a slip and fall accident. Tall grass can hide obstacles.
10. Do not insert or remove the lock key in the rain.
11. 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.

Operation

1. Tips for maintaining maximum battery life.
2. Do not overreach. Keep the balance at all times. Always be sure of the footing on slopes. Walk, never run.
3. Stop the mower and remove the lock key, and make sure that all moving parts have come to a complete stop:
 - whenever you leave the mower;
 - before clearing blockages or unclogging chute;
 - before checking, cleaning or working on the mower;

- after striking a foreign object. Inspect the mower for damage and make repairs before restarting and operating the mower;
- whenever the mower starts vibrating abnormally.
- 4. Never operate the mower with defective guards or shields, or without safety devices, for example deflectors and/or grass basket, in place.
- 5. Avoid using the mower in bad weather conditions especially when there is a risk of lightning.
- 6. Wear eye protection and stout shoes at all times while operating the mower.
- 7. Operate the mower only in daylight or in good artificial light.
- 8. Switch on the mower carefully according to instructions and with feet well away from the blade(s).
- 9. Take care against injury to feet and hands from the mower blades.
- 10. Always ensure that the ventilation openings are kept clear of debris.
- 11. Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
- 12. Use extreme caution when reversing or pulling the mower towards you.
- 13. Stop the blade(s) if the mower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the mower to and from the area to be used.
- 14. Do not tilt the mower when switching on the motor, except if the mower has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part, which is away from the operator. Always ensure that both hands are in the operating position before returning the mower to the ground.
- 15. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- 16. Do not transport the mower while the mower is turned on.
- 17. Avoid operating the mower in wet grass.
- 18. Always keep a firm hold on the handle.
- 19. Don't grasp the exposed cutting blades or cutting edges when picking up or holding the mower.
- 20. Keep hands and feet away from rotating blades. Caution - Blades coast after the mower is switched off.
- 21. Stop operation immediately if you notice anything unusual. Switch off the mower and remove the lock key. Then inspect the mower.
- 22. Never attempt to make cutting height adjustments while mower is running if the

mower has cutting height adjustment feature.

23. Release switch lever and wait for blade rotation to stop before crossing driveways, walks, roads, and any gravel-covered areas. Also remove the lock key if you leave the mower, reach to pick up or remove something out of your way, or for any other reason that may distract you from what you are doing.
24. If the mower strikes a foreign object, follow these steps:
 - Stop the mower, release the switch lever and wait until the blade comes to a complete stop.
 - Remove the lock key and the battery pack.
 - Thoroughly inspect the mower for any damage.
 - Replace the blade if it is damaged in any way. Repair any damage before restarting and continuing to operate the mower.
25. Do not start the mower when standing in front of the discharge opening.
26. If the mower starts to vibrate abnormally (check immediately):
 - a) inspect for damage,
 - b) replace or repair any damaged parts,
 - c) check for and tighten any loose parts
27. Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blade when crossing gravel surfaces.
28. Do not pull the mower backwards unless absolutely necessary. When you are compelled to back the mower from a fence or other similar obstruction, look down and behind before and while moving backwards.
29. Shut the motor off and wait until the blade comes to a complete stop before removing the grass catcher. Beware that the blades coast after turn off.
30. When you use the machine on muddy ground, wet slope, or slippery place, pay attention to your footing.
31. Avoid working in poor environment where increased user fatigue is expected.
32. Do not use the machine in bad weather where visibility is limited. Failure to do so may cause fall or incorrect operation due to low visibility.
33. Do not submerge the machine into a puddle.
34. When wet leaves or dirt adhere to the suction mouth (ventilation window) due to rain, remove them.
35. Do not use the machine in the snow.
36. If the cut-off grass is wet, it is likely to be clogged inside of the machine. Check

the condition of the machine regularly, and remove the adhered grass as necessary.

37. When operating the machine, pay attention to piping and wiring.
38. Do not use a corded power supply such as battery adapter or portable power pack with this machine. The cable of such power supply may hinder the operation and result in personal injury.

Maintenance and storage

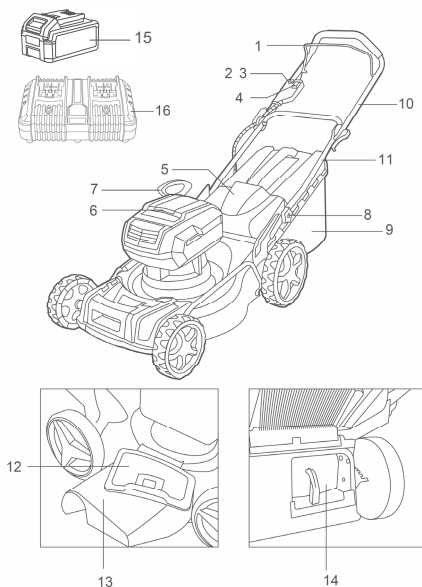
1. Replace worn or damaged parts for safety. Use only genuine replacement parts and accessories.
2. Inspect and maintain the mower regularly.
3. When not in use, store the mower out of the reach of children.
4. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
5. Check the grass basket frequently for wear or deterioration. For storage, always make sure the grass basket is empty. Replace a worn grass basket with a new factory replacement for safety.
6. Use only the manufacturer genuine blades specified in this manual.
7. Be careful during adjustment of the mower to prevent entrapment of the fingers between moving blades and fixed parts of the mower.
8. Check the blade mounting bolt at frequent intervals for proper tightness.
9. Always allow the mower to cool down before storing.
10. When servicing the blades be aware that, even though the power source is switched off, the blades can still be moved.
11. Never remove or tamper with safety devices. Check their proper operation regularly. Never do anything to interfere with the intended function of a safety device or to reduce the protection provided by a safety device.
12. Do not leave the machine unattended outdoors in the rain.
13. Do not wash the machine with high pressure water.
14. When washing the machine, be sure to remove the battery and lock key and close the battery cover, and pour water toward the bottom of the machine to which the blade is attached.
15. When storing the machine, avoid direct sun- light and rain, and store it in a place where it does not get hot or humid.
16. Perform inspection or maintenance in a place where rain can be avoided.

17. After using the machine, remove the adhered dirt and dry the machine completely before storing. Depending on the season or the area, there is a risk of malfunction due to freezing.

INTENDED USE

This product is intended for domestic lawn mowing.

SPECIFICATIONS



1. Switch lever
2. Main power on/off switch
3. Led headlight switch
4. Switch button
5. Rear cover
6. Battery pack cover
7. Mowing height adjustment lever
8. Handle knob

9. Grass basket
10. Upper handle
11. Lower handle
12. Right side cover
13. Discharge attachment
14. Mulching plug
15. Battery pack
16. Charger

Not all the accessories illustrated or described are included in standard delivery.

Technical specifications

Model:	LMLI20185 LMLI2018xy	LMLI4020 LMLI4020xy
Mowing width (blade diameter)	460mm	510mm
No load speed	2,800/min	2,800/min
Maximum speed	3,300/min	3,300/min
Rated voltage	40V Max	
Cutting height	30-80mm	
Grass basket capacity	60L	

Model No. NOTE: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

Model:	ULMLI2018xy	ULMLI4020xy
Mowing width (blade diameter)	18"	20"
No load speed	2,800/min	2,800/min
Maximum speed	3,300/min	3,300/min
Rated voltage	40V Max	
Cutting height	1-3/16"-3-3/16"	
Grass basket capacity	60L	

Model No. NOTE: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

⚠ WARNING!

Only use original battery pack and battery charger as below for this power tool:

Product	Battery pack		
Model No.	Type	Rated voltage	Rated capacity
FBLI2001 FBLI2001xy	Lithium-Ion	18.5V d.c., 20V Max	2.0Ah
FBLI2002 FBLI2002xy			4.0Ah
FBLI2003 FBLI2003xy			5.0Ah

Model No. NOTE: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

Product	Battery pack charger			
Model No.	Input power	Input voltage	Output rated voltage	Output rated current
FCLI2001 FCLI2001xy	50W	220-240V ~50/60Hz	20V d.c.	2A
FCLI2001-9		100-240V ~50/60Hz		
UFCLI2001 UFCLI2001xy		110-120V ~50/60Hz		
FCLI20411 FCLI20411xy FCLI2034 FCLI2034xy	105W	220-240V ~50/60Hz	21V d.c.	4A
FCLI20411-9 FCLI2034-9		100-240V ~50/60Hz		
UFCLI20411 UFCLI20411xy UFCLI2034 UFCLI2034xy		110-120V ~50/60Hz		

Model No. NOTE: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

NOISE

The typical A-weighted noise level determined according to EN60335-2-77:

NOTE: The values have been measured with the mower equipped with the straight mower blade.

Model LMLI20185

Sound pressure level (LpA): 74 dB(A) Sound power level (LWA): 85 dB (A)

Uncertainty (K): 3 dB(A)

The noise level under working may exceed 80 dB (A).

NOTE: The declared noise emission value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

NOTE: The declared noise emission value(s) may also be used in a preliminary assessment of exposure.

WARNING

Wear ear protection.

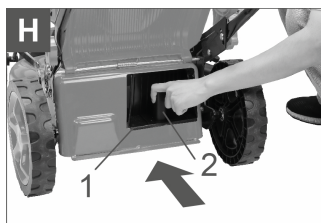
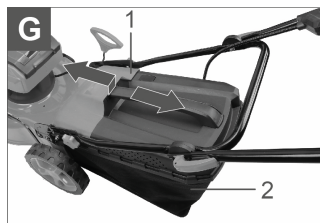
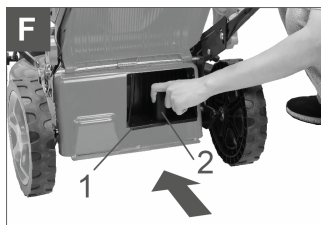
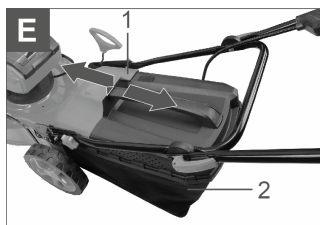
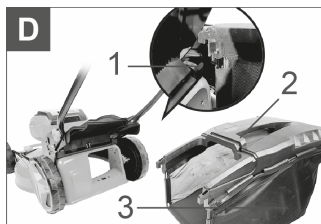
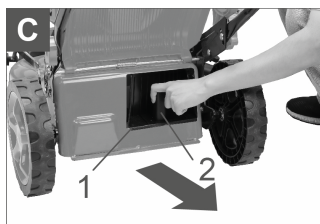
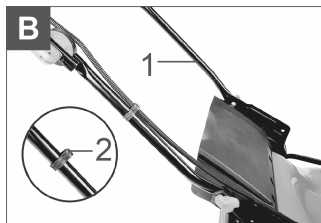
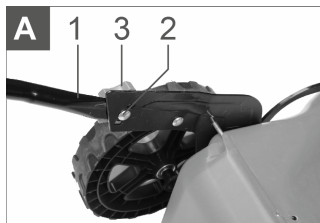
WARNING

The noise emission during actual use of the power tool can differ from the declared value(s) depending on the ways in which the tool is used especially what kind of work piece is processed.

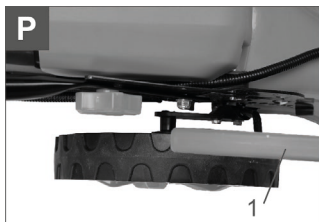
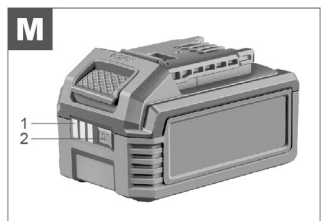
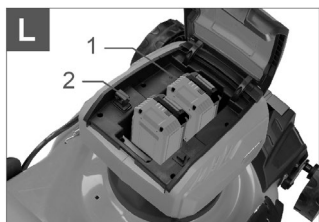
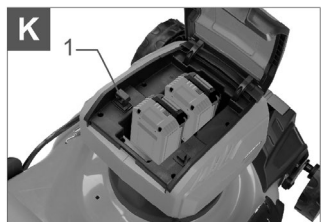
WARNING

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).

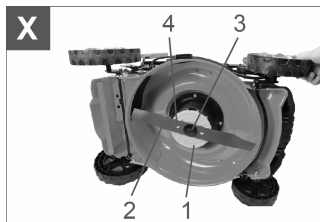
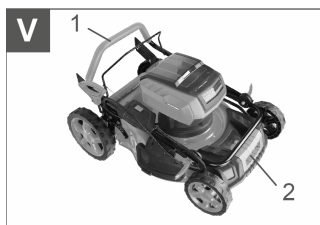
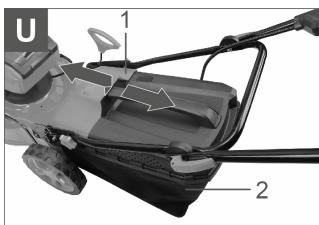
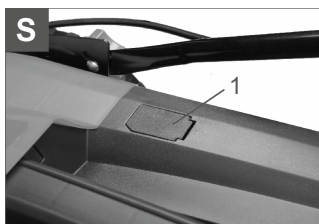
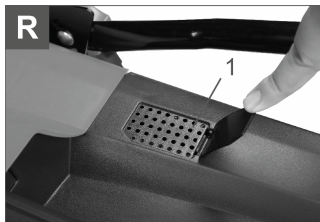
OPERATION PICTURE



OPERATION PICTURE



OPERATION PICTURE



OPERATON

ASSEMBLY

WARNING

Always be sure that the lock key and battery cartridge are removed before carrying out any work on the mower. Failure to remove the lock key and the battery cartridge may result in serious personal injury from accidental start-up.

WARNING

Never start the mower unless it is completely assembled. Operation of the machine in a partially assembled state may result in serious personal injury from accidental start-up.

INSTALLING THE HANDLE (See Figure A, B)

NOTICE: When installing handles, position the cords so that they are not caught by anything between the handles. If the cord is damaged, the mower switch may not work.

1. Align the holes in the lower handle (1) with the holes in the mower body, and then tighten 2 bolts (2) and 2 knobs (3) temporarily. There are 3 holes on the deck connections for different operator's height to choose.
2. Firmly tighten 2 bolts and 2 knobs which were temporarily tightened in step 1 using a wrench (not provided).
3. Fold up the upper handle and clamp the knobs on two sides. The upper handle position can be adjusted with selecting the suitable height for you.

CAUTION

Hold the upper handle firmly so that it does not drop off your hand. Otherwise, the handle may fall and cause an injury.

4. Attach the holders (2) to the handle (1). Align the protrusions on the holder with the holes on the handle so that the protrusions fit in the holes. Position the cords as shown in the figure B.

REMOVING THE MULCHING PLUG (See Figure C)

1. Open the rear cover.
2. Remove the mulching plug (2) while holding down the lever (1).

INSTALLING OR REMOVING THE GRASS BASKET (See Figure D)

To install the grass basket, follow the steps below.

1. Open the rear cover.
2. Hold the handle (2) of the grass basket (3), and then hook the grass basket on the grooves (1) of the mower body as shown in the figure. Make sure the hooks fit into the grooves firmly.
3. To remove the grass basket, open the rear cover, and then remove the grass basket by holding the handle.

ATTACHING THE MULCHING PLUG (See Figure E, F)

1. Open the rear cover (1), and then remove the grass basket (2).
2. Attach the mulching plug while holding down the lever, and then release the lever to lock the mulching plug. Make sure the lever clicks into the hole on the deck firmly.

ATTACHING THE DISCHARGE ATTACHMENT (See Figure G, H, I)

1. Open the rear cover, and then remove the grass basket.
2. Attach the mulching plug (2) while holding down the lever (1), and then release the lever to lock the mulching plug as Figure H.
3. Pull up the right side cover (1), and then attach the discharge attachment (2) as Figure I. Make sure the two pins insert the grooves of the discharge attachment.

FUNCTIONAL DESCRIPTION

INSTALLING OR REMOVING BATTERY PACK

⚠ CAUTION

Always switch off the machine before installing or removing of the battery pack.

⚠ CAUTION

Hold the machine and the battery pack firmly when installing or removing battery pack. Failure to hold the machine and the battery pack firmly may cause them to slip off your hands and result in damage to the machine and battery pack and a personal injury.

⚠ CAUTION

Make sure that you lock the battery cover before use.

Otherwise, mud, dirt, or water may cause damage to the product or the battery pack.

⚠ CAUTION

Always install the battery pack fully. If not, it may accidentally fall out of the machine, causing injury to you or someone around you.

NOTE:

The machine does not work with only one battery pack. It is recommended to use the same two batteries and charge them at same time. When using two different power batteries, the machine will only run to the lower common denominator.

To install the battery pack (See Figure J, K, L)

1. Open the battery cover.
2. Align the tongue on the battery pack with the slot on the machine, and then slide the cartridge until it locks in place with a little click.
3. Insert the lock key (1) in the place shown in the figure as far as it will go as Figure L.
4. Close the battery cover and push it until it is latched with the locking lever.

To remove the battery pack

1. Open the battery cover.
2. Pull out the battery pack from the machine while sliding the button on the front of the battery pack.
3. Pull out the lock key.
4. Close the battery cover.

**MACHINE / BATTERY
PROTECTION SYSTEM**

The machine is equipped with a machine/battery protection system. This system automatically cuts off power to the motor to extend machine and battery life. The machine will automatically stop during operation if the machine or battery is placed under one of the following conditions:

Overload protection

When the battery is operated in a manner that causes it to draw an abnormally high current, the machine automatically stops and the main power lamp blinks in green. In this situation, turn the machine off and stop the application that caused the machine to become overloaded. Then turn the machine on to restart.

Overheat protection

When the machine or battery is overheated, the machine stops automatically and the main power lamp lights up in red. In this case, let the machine and battery cool before turning the machine on again.

Over discharge protection

When the battery capacity is not enough, the machine stops automatically and the main power lamp blinks in red. In this case, remove the battery from the machine and charge the battery packs or change the battery packs to fully charged ones.

INDICATING THE REMAINING BATTERY CAPACITY (See Figure M)

Only for battery packs with the indicator

Press the check button (2) on the battery pack to indicate the remaining battery capacity. The indicator lamps (1) light up for a few seconds.

NOTE:

Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

CONTROL PANEL (See Figure N)

The control panel has the main power ON/OFF switch (1), LED head light switch (2) and the switch button (3).

Main power ON/OFF switch

WARNING

Always turn off the main power switch when not in use.

To turn on the machine, press the main power switch. The main power lamp lights up in green. To turn off the machine, press the main power switch again.

NOTE:

If the main power lamp lights up in red or blinks in red or green, refer to the instructions for machine/battery protection system.

NOTE:

This machine employs the auto power-off function. To avoid unintentional, start up, the main power switch will automatically shut down when the switch lever is not pulled for a certain period after the main power switch is turned on.

SWITCH ACTION (See Figure O)** WARNING**

Before installing the battery pack, always check to see that the switch lever actuates properly and returns to the original position when released. Operating the machine with a switch that does not actuate properly can lead to loss of control and serious personal injury.

NOTE:

The mower does not start without pressing the switch button even the switch lever is pulled.

NOTE:

Mower may not start due to the overload when you try to mow long or dense grass at a time. Increase the mowing height in this case.

This mower is equipped with the lock key, switch button and switch lever. If you notice anything unusual with either of the lock key or switch button, stop the operation immediately and have them checked by your nearest Authorized Service Center.

1. Install the battery packs. Insert the lock key, and then close the battery cover.
2. Press the main power switch (1).
3. Pull the switch lever (2) toward you while holding down the switch button.
Release the switch button as soon as the motor starts running.

ADJUSTING THE MOWING HEIGHT (See Figure P, Q)** WARNING**

Never put your hand or leg under the mower body when adjusting the mowing height.

⚠ WARNING

Always make sure that the lever fits in the groove properly before operation.

The mowing height can be adjusted in the range of between 30 mm and 80 mm. Remove the lock key, and then pull the mowing height adjusting lever outward of the mower body and move it to your desired mowing height.

Hold the front grip (3) or the lower handle (2) with one hand, and then move the mowing height adjusting lever (1) with the other hand.

GRASS LEVEL INDICATOR (See Figure R, S)

Grass level indicator (1) shows the volume of mowed grass. When the grass basket is not full, the indicator floats while the blades are running.

When the grass basket is almost full, the indicator does not float while the blades are running. In this case, stop the operation immediately and empty the basket.

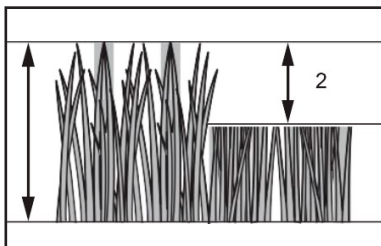
NOTE:

This indicator is a rough guide. Depending on the conditions of inside of the basket, this indicator may not work properly.

USING MULCHING PLUG

The mulching plug allows you to return the cut grass to the ground without gathering the cut grass in the grass basket. When you operate the machine with the mulching plug, be sure to remove the grass basket.

NOTICE: When using the machine with the mulching plug, make sure that the total length of grass is 30 mm or more, or the cut length is 15 mm or less.



1. 30mm or more; 2. 15mm or less

USING DISCHARGE ATTACHMENT

The discharge attachment allows you to discharge the cut grass to the ground from the right side of the machine without gathering the cut grass in the grass basket. When you operate the machine with the discharge attachment, be sure to install the mulching plug and remove the grass basket.

ELECTRONIC FUNCTION

The machine is equipped with the electronic functions for easy operation.

- The cutting speed will be adjusted automatically according to the grass condition. It will increase the cutting speed to deliver more power when mowing higher or dense grass and decrease the cutting speed when cut thin grass to save run time.
- The soft-start function minimizes start-up shock, and makes the machine start smoothly.
- Electric brake

This machine is equipped with an electric brake. If the machine consistently fails to quickly stop the mower blades after releasing the switch lever, have the machine serviced at an Authorized Service Center.

OPERATION

MOWING

WARNING

Before mowing, clear away sticks and stones from mowing area. Furthermore, clear away any weeds from mowing area in advance.

WARNING

Always wear the safety goggles or safety glasses with side shields when operating the mower.

CAUTION

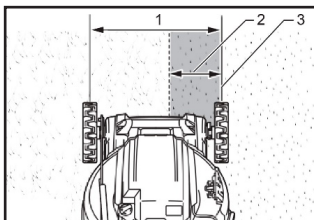
If the cut grass or foreign object blocks up inside of the mower body, be sure to remove the lock key and battery cartridge and wear gloves before removing the grass or foreign object.

NOTICE: Use this machine for mowing lawn only. Do not mow weeds with this machine.



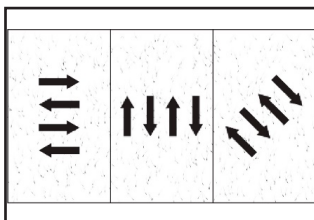
Firmly hold the handle with both hands when mowing. (See Figure T)

The center lines of the front wheels are guidelines to mowing width. Using the center lines as guidelines, mow in strips. Overlap by one half to one third the previous strip to mow the lawn evenly.



1. Mowing width; 2. Overlapping area; 3. Center line

Change the mowing direction each time to prevent the grass grain pattern from forming in just one direction.

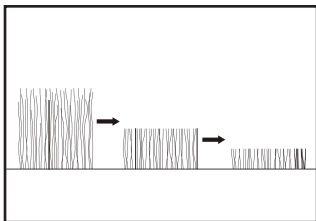


Periodically check the grass basket for mowed grass. Empty the grass before it becomes full. Before every periodical check, be sure to stop the mower then remove the lock key and the battery pack.

NOTICE: Using the mower with the grass basket full prevents smooth blade rotation and places an extra load on the motor, which may cause breakdown.

MOWING A LONG-GRASS LAWN

Do not try to cut long grass all at once. Instead, mow the lawn in steps. Leave a day or two between mowing until the lawn becomes evenly short.



NOTE:

Mowing long grass to a short length all at once may cause the grass to die. The cut grass may also block up inside of the mower body.

EMPTYING THE GRASS BASKET (See Figure U)

1. Release the switch lever.
2. Open the rear cover and take out the grass basket by holding the handle.
3. Empty the grass basket.

MAINTENANCE

WARNING

Always be sure that the lock key and battery cartridge are removed from the mower before storing or carrying the mower or attempting to perform inspection or maintenance.

⚠ WARNING

Always remove the lock key when the mower is not in use.
Store the lock key in a safe place out of reach of children.

⚠ WARNING

Wear gloves when performing inspection or maintenance.

⚠ WARNING

Always wear the safety goggles or safety glasses with side shields when performing inspection or maintenance.

NOTICE: Never use gasoline, benzine, thinner, alcohol or the like.
Discoloration, deformation or cracks may result.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by an Authorized or Factory Service Centers, always using the manufactures recommended replacement parts.

MAINTENANCE

1. Remove the lock key and battery packs, and then close the battery cover.
2. Put the mower on its side so that the mowing height adjusting lever comes to the upper side. Clean grass clippings accumulated on the underside of mower deck.
3. Pour water toward the bottom of the machine to which the blade is attached.

NOTICE: Do not wash the machine with high pressure water.

4. Check all nuts, bolts, screws, etc. for tightness.
5. Inspect moving parts for damage, breakage, and wear. Damaged or missing parts should be repaired or replaced.
6. Store the mower in a safe place out of the reach of children.

CARRYING THE MOWER (See Figure V)

When carrying the mower, hold the front grip (2) and Lower handle (1) with two people as shown in the figure.

STORING (See Figure W)

Store mower indoors in a cool, dry and locked place. Don't store the mower and charger in locations where the temperature may reach or exceed 40°C.

You can fold down the upper handle and lower handle to save storage room or stand up.

REMOVING OR INSTALLING THE MOWER BLADE** WARNING**

The blade coasts for a few seconds after releasing the switch. Do not start any operation until the blade comes to a complete stop.

** WARNING**

Always remove the lock key and battery cartridge when removing or installing the blade.

Failure to remove the lock key and battery cartridge may cause a serious injury.

** WARNING**

Always wear gloves when handling the blade.

Removing the mower blade (See Figure X)

For models equipped with straight mower blade

1. Put the mower on its side so that the mowing height adjusting lever comes to the upper side.
2. Hold the blade (2) firmly with one hand, turn the bolt (3) counterclockwise with a wrench (not provided)
3. Remove the bolt, and then mower blade.

NOTICE: When installing the mower blade, make sure that the protrusions (4) on the blade support (1) fit in the holes in the mower blade.

Installing the mower blade

** WARNING**

Install the mower blade carefully. It has a top/bottom facing.

⚠ WARNING

Tighten the bolt clockwise firmly to secure the blade.

⚠ WARNING

Make sure that the mower blade and all the fixing parts are installed correctly and tightened securely.

⚠ WARNING

When you replace the blades, always follow the instructions provided in this manual.

NOTICE: After installing the mower blades, remove the pin from the mower body.

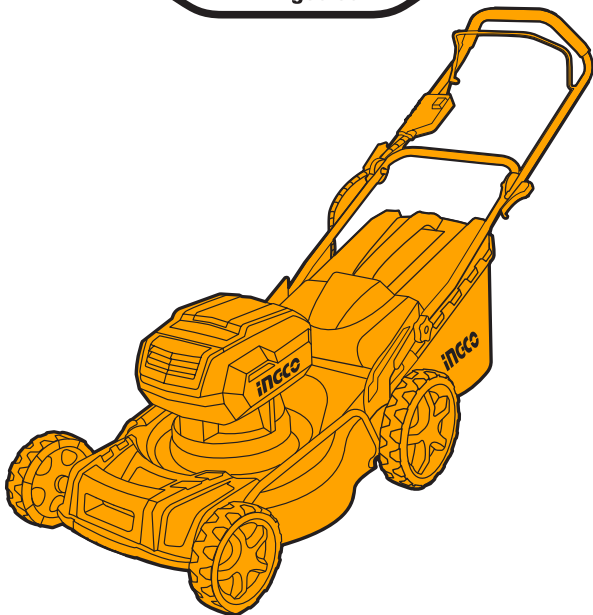
To install the mower blades, perform the removal procedure in reverse.

MAINTENANCE&MALFUNCTIONS

Troubleshooting table

Before asking for repairs, conduct your own inspection first. If you find a problem that is not explained in the manual, do not attempt to disassemble the machine. Instead, ask an Authorized Service Centers, always using recommended replacement parts for repairs.

State of abnormality	Probable cause (malfunction)	Remedy
Mower does not start.	Two battery packs are not installed.	Install two charged battery packs.
	Battery problem (under voltage)	Recharge the battery pack. If recharging is not effective, replace battery pack.
	The lock key is not inserted.	Insert the lock key.
Motor stops running after a little use.	Battery's charge level is low.	Recharge the battery pack. If recharging is not effective, replace battery pack.
	Cutting height is too low.	Increase the cutting height.
	Cut grass is clogged in the mower.	Remove the clogged grass from the mower.
Motor does not reach maximum RPM.	Battery pack is installed improperly.	Install the battery pack as described in this manual.
	Battery power is dropping.	Recharge the battery pack. If recharging is not effective, replace battery pack.
Mower blade does not rotate: stop the mower immediately!	Foreign object such as a branch is jammed near the blade.	Foreign object such as a branch is jammed near the blade.
Foreign object such as a branch is jammed near the blade.	Blade is imbalanced, excessively or unevenly worn.	Replace the blade.



MADE IN CHINA 1025.V02



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