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Black（单色印刷）	
折叠方式：风琴折	备注：
特别注意：此页内容不印刷	

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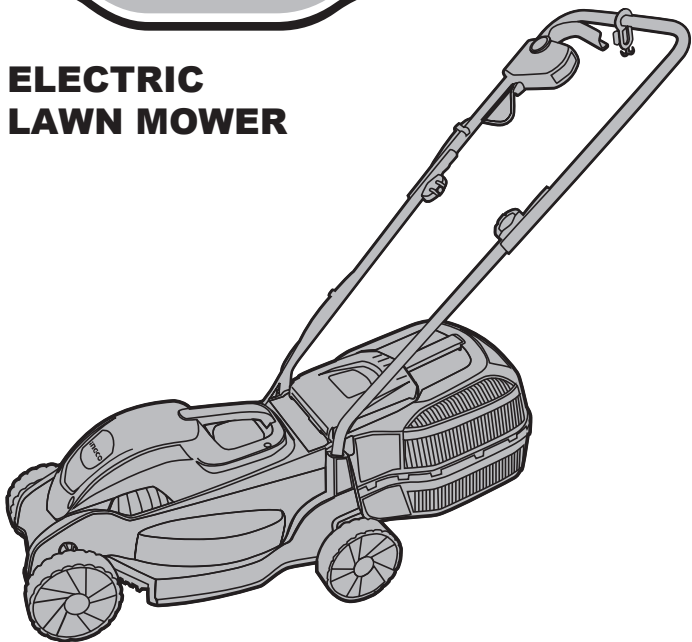
更改记录	1. 新版式			1. 参考ELM0380 2. 新风格说明书			
	0223.V05	2023.2.22	CSR	0724.V06	2024.7.29	QX	
	版本号	日期	设计师	版本号	日期	设计师	

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PRODUCT MANUAL

ELECTRIC LAWN MOWER



LM385, LM385xy
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 SAFETY WARNINGS**Training**

- a) **Read the instructions carefully.** Be familiar with the controls and the proper use of the equipment.
- b) **Never allow children or people unfamiliar with these instructions to use the lawnmower.** Local regulations can restrict the age of the operator.
- c) **Never mow while people, especially children, or pets are nearby.**
- d) **Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.**

Preparation

- a) **While mowing, always wear substantial footwear and long trousers.** Do not operate the equipment when barefoot or wearing open sandals.
- b) **Thoroughly inspect the area where the equipment is to be used and remove all objects which can be thrown by the machine.**

** WARNING!**

- c) **Petrol is highly flammable:**
 - Store fuel in containers specifically designed for this purpose;
 - Refuel outdoors only and do not smoke while refueling;
 - Add fuel before starting the engine. Never remove the cap of the fuel tank or add petrol while the engine is running or when the engine is hot;
 - If petrol is spilled, do not attempt to start the engine but move the machine away from the area of
 - Spillage and avoid creating any source of ignition until petrol vapors have dissipated;
 - Replace all fuel tank and container caps securely.
- d) **Replace faulty silencers.**
- e) **Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged.** Replace worn or damaged blades and bolts in sets to preserve balance.
- f) **On multi-bladed machines, take care as rotating one blade can cause other blades to rotate.**

Operation

- a) **Do not operate the engine in a confined space where dangerous carbon monoxide fumes can call.**
- b) **Mow only in daylight or in good artificial light.**
- c) **Avoid operating the equipment in wet grass, where feasible. Always be sure of your footing on slopes.**
- d) **Walk, never run.**
- e) **For wheeled rotary machines, mow across the face of slopes, never up and down.**
- f) **Exercise extreme caution when changing direction on slopes.**
- g) **Do not mow excessively steep slopes.**
- h) **Use extreme caution when reversing or pulling the lawnmower towards you.**
- i) **Stop the blade(s) if the lawnmower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the lawnmower to and from the area to be mowed.**
- j) **Never operate the lawnmower with defective guards, or without safety devices, for example defectors and/or grass catchers, in place.**
- k) **Do not change the engine governor settings or over speed the engine.**
- l) **Disengage all blades and drive clutches before starting the engine.**
- m) **Start the engine or switch on the motor carefully according to instructions and with feet well away from the blade(s).**
- n) **Do not tilt the lawnmower when starting the engine or switching on the motor, except if the lawnmower 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.**
- o) **Do not start the engine when standing in front of the discharge chute.**
- p) **Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.**
- q) **Never pick up or carry a lawnmower while the engine is running.**
- r) **Stop the engine and disconnect the spark plug wire, make sure that all moving parts have come to a complete stop and, where a key is fitted remove the key:**
 - Before clearing blockages or unclogging chute;
 - Before checking, cleaning or working on the lawnmower;

- After striking a foreign object. Inspect the lawnmower for damage and make repairs before restarting and operating the lawnmower;
 - If lawnmower starts to vibrate abnormally (check immediately).
- s) **Stop the engine and disconnect the spark plug wire, make sure that all moving parts have come to a complete stop and, where a key is fitted remove the key:**
- Whenever you leave the lawnmower;
 - Before refueling.
- t) **Reduce the throttle setting during engine shut down and, if the engine is provided with a shut-off valve, turn the fuel off at the conclusion of mowing.**
- u) **Go slow when using a trailing seat.**

Maintenance and storage

- a) **Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.**
- b) **Never store the equipment with petrol in the tank inside a building where fumes can reach an open flame or spark.**
- c) **Allow the engine to cool before storing in any enclosure.**
- d) **To reduce the fire hazard, keep the engine, silencer, battery compartment and petrol storage area free of grass, leaves, or excessive grease.**
- e) **Check the grass catcher frequently for wear or deterioration.**
- f) **Replace worn or damaged parts for safety.**
- g) **If the fuel tank has to be drained; this should be done outdoors.**

THE SYMBOLS IN INSTRUCTION MANUAL

	Read the instruction manual before using.
	CE conformity.
	Safety alert. Please only use the accessories supported by the manufacturer.
	Wear safety glasses, hearing protection and dust mask.
	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.
	Take care when handling fuel and lubricants
	The lawnmower exhaust gases contain poisonous substances. Do not run the engine in closed or poorly ventilated areas.
	Do not attempt to clear grass from the rear chute area while the blade is still rotating. The exhaust and other parts of the engine will get very hot during use, do not touch.
	Remove the ignition cable before all maintenance work, and read the instructions for use.
	Wear robust footwear when using the device.
	Wear protective gloves when using the device.
	Keep other people out of the dangerous area.

ADDITIONAL SAFETY WARNING

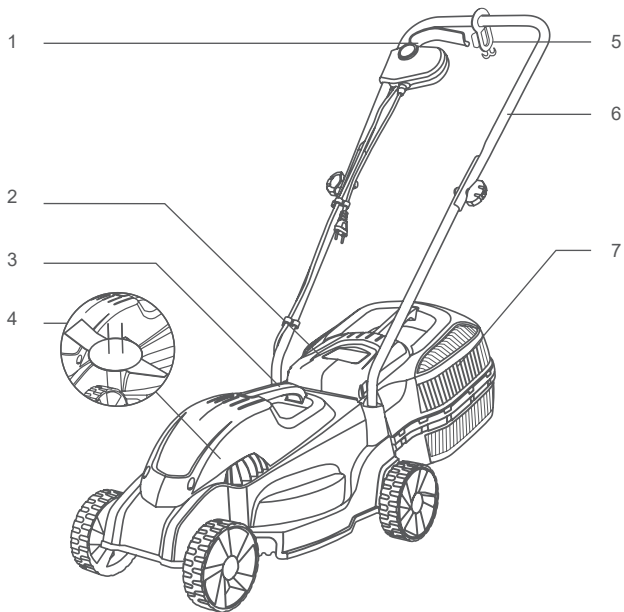
Even if you use this tool correctly, there are always residual risks. The following hazards may arise in connection with the structure and manufacture of this power tool:

- a) Hearing impairment if no suitable hearing protection is worn.
- b) Cuts if no suitable protective clothing is worn.
- c) Health damage resulting from vibration in the hands and arms if the device is used for a long period of time or is not handled and maintained properly.
- d) Inhalation of particles
- e) Inhalation of exhaust gases
- f) Skin contacts with oil/gasoline
- g) Inhalation of gasoline/oil vapors
- h) Contact with projected objects
- i) Burns when touching with hot surfaces
- j) Prolonged use of this product exposes the operator to vibration and can produce so-called "white finger" disease. To reduce the risk, wear gloves and keep your hands warm.
- k) If any of the symptoms of "white finger syndrome" occur, seek immediately medical attention. Symptoms of the "white finger" include numbness, loss of sensitivity, tingling, pain, loss of strength, color changes or skin condition. These symptoms usually appear on the fingers, hands or wrists. Risk increases at low temperatures.

INTENDED USE

The lawn mower is intended for mowing lawn. Lawn mower can't be used for cutting bushes, hedges or shrubs, cutting and crushing climbing plants.

SPECIFICATIONS



Components

- | | |
|-------------------------|------------------------|
| 1. Motor switch | 5. Electric cable hood |
| 2. Stone-deflector | 6. Handle |
| 3. Transporting handler | 7. Grass catcher |
| 4. Blade | |

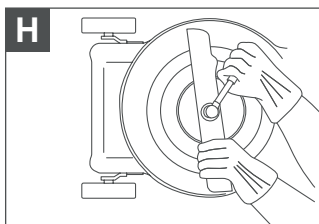
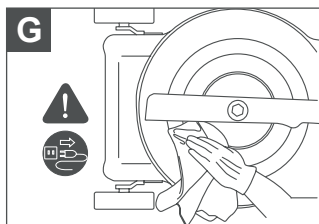
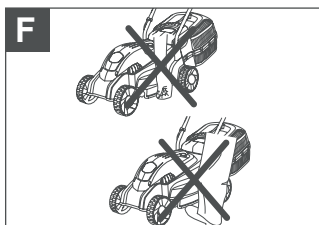
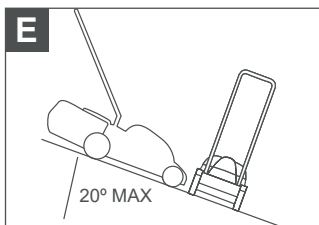
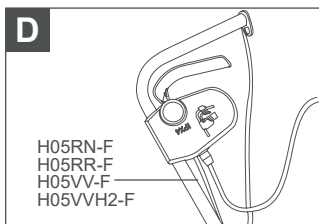
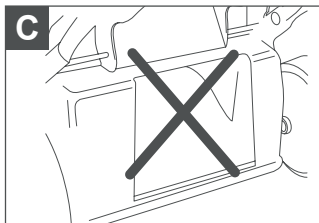
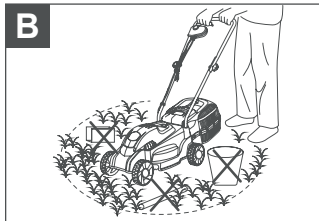
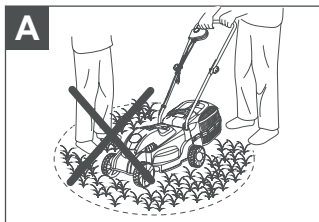
Technical specifications

Model No.	LM385, LM385xy	LM385E
Input power	1600W	1400W
Voltage, frequency	220-240V~ 50/60Hz	220-240V~ 50Hz
No-load speed	3200/min	3200/min
Cutting width	380mm	380mm
Height settings	28/48/68mm	28/48/68mm
Grass box capacity	45L	45L
Number of cutting height	3	3
Blade type	Steel	Steel
Blade brake	Yes	Yes
Weight	9.0kg	9.0kg

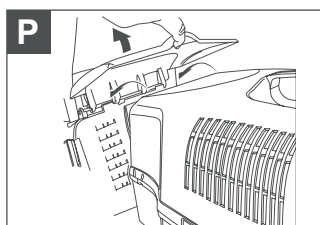
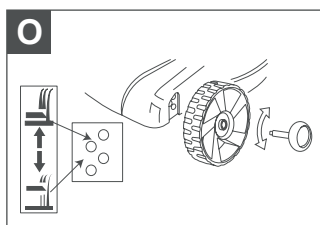
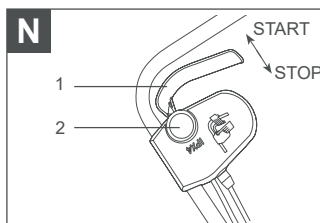
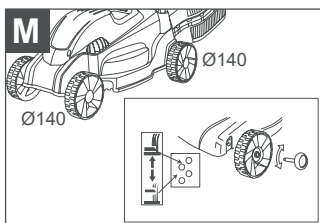
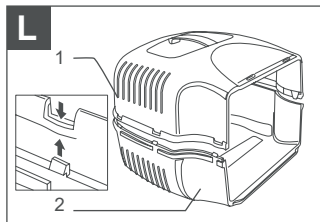
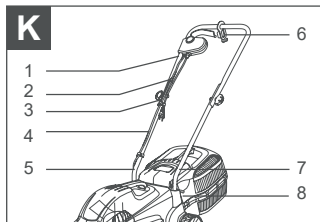
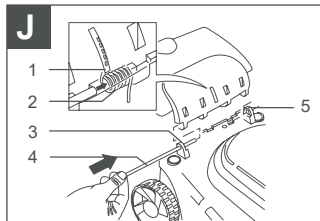
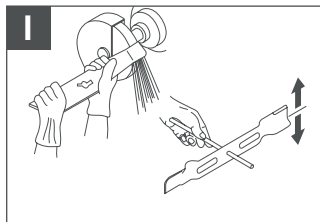
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- Due to our continuing program of research and development, the specifications herein are subject to change without notice.

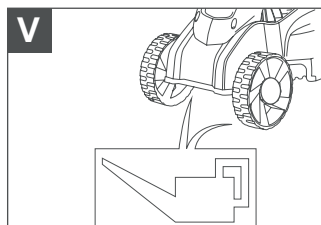
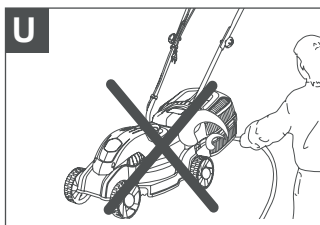
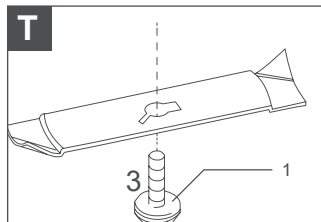
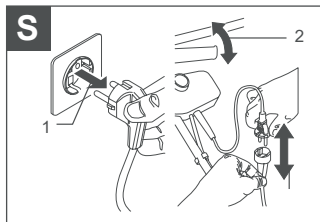
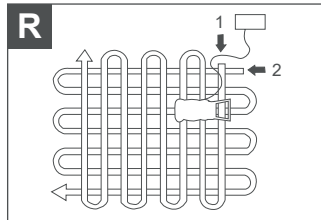
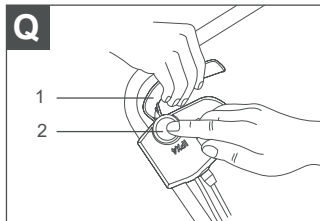
OPERATION PICTURE



OPERATION PICTURE



OPERATION PICTURE



OPERATION

Positioning of safety labels

Your lawnmower should be used with due care and attention. Therefore, figured labels have been placed on various parts of the machine to remind you of the main precautions to be taken. Their full meaning is explained later on.

You are also asked to carefully read the safety regulations in the applicable chapter of this handbook.



Keep persons, who do not know the Safety rules away from the mower.



Remove the power supply cable and read instructions before carrying out and repair or maintenance.



Keep the power supply cable away from the blade.

⚠ IMPORTANT

Before connecting the lawnmower to the power supply, ensure that the socket has a differential switch (circuit breaker) and that the supply voltage is the same as that shown on the machine's identification label.

Training

- 1) Read the instructions carefully. Be familiar with the controls and the proper use of the equipment. Learn how to stop the motor quickly.
- 2) Only use the lawn mower for the purpose for which it was made, that is, the cutting and collection of grass. Any other use can be dangerous and result in damage to the machine.
- 3) Never allow children or people unfamiliar with these instructions to use the lawn mower. Local regulations may restrict the age of the operator.
- 4) Never use the lawnmower,
- 5) When people, especially children, or pets are nearby;

- 6) If the operator has taken medicine or substances that can affect his ability to react and concentrate.
- 7) Keep in mind that the operator or user is responsible for accidents or hazards occur to other people or their property.

Preparation

- 1) While mowing, always wear substantial footwear and long trousers. Do not operate the equipment, when barefoot or wearing open sandals.
- 2) Thoroughly inspect the area where the equipment is to be used and remove all objects which may be thrown by the machine (stones, sticks, metal wire, Bones, etc.).
- 3) Before using, always carry out a visual inspection, particularly of the blade, seeing that the screws and cutter assembly are not worn or damaged. Replace worn or damaged blades and screws in sets to preserve balance.
- 4) Before mowing, attach the discharge opening guards (grass catcher or deflector).

DANGER! Damp and electricity do not go together.

- The handling and connection of cables must be done in the dry
 - Use a 30 mA residual current device (RCD)
 - Never allow contact between an electric socket or cable with a wet area (puddles or damp grass)
 - Connections between cables and sockets must be of the waterproof type. Only use extension cables with waterproof or approved sockets available commercially
- 5) The power supply cables must not be of lower quality than the H05RN-F, H05RR-F, H05WF, H05V-VH2-F type for outdoor use and with minimum cross-section size of 1.5 sq. mm.
 - 6) Clamp the cable onto the cable-hook before starting the equipment.
 - 7) The permanent connection of any electrical device to a building is circuit must be performed by a qualified electrician, in accordance with electrical regulations in force. An incorrect connection may cause severe injury or death.

Operation

- 1) Mow only in daylight or good artificial light.
- 2) Avoid operating the equipment in wet grass or when raining.

- 3) Never go over the electric cable with the lawnmower. While cutting, the cable should always be pulled behind the lawnmower and always from the area of grass already cut. Use the cable hook in the way already described. In this manual to avoid the cable's unexpected dis-connection. Ensure that it is properly inserted and avoid forcing into the power socket.
- 4) Never pull the lawnmower by its power cable or pull the cable to remove the plug. Do not expose the cable to sources of heat or let it come in contact with oil, solvents or sharp objects.
- 5) Always be sure of your footing on slopes.
- 6) Walk, never run and do not allow yourself to be pulled along by the lawnmower.
- 7) Mow across the face of slopes, never up and down.
- 8) Exercise extreme caution when changing direction on slopes.
- 9) Do not mow on slopes of more than 20°.
- 10) Exercise extreme caution when pulling the lawnmower towards you.
- 11) Stop the blade if the lawnmower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the lawnmower to and from the area to be mowed.
- 12) Never operate the lawnmower with defective guards, or without safety devices, for example deflectors and/ or grass catchers, in place.
- 13) On those models with drive traction, disengage the drive clutch before starting the motor.
- 14) Start the motor or switch on the motor carefully according to instructions and with feet well away from the blade.
- 15) Do not tilt the lawnmower when starting the motor or switching on the motor. Start the motor or motor on a flat surface that is free of obstacles and tall grass.
- 16) Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- 17) Never pick up or carry a lawnmower while the motor is running.
- 18) Stop the motor and disconnect the power supply cable.
 - Before carrying out any work beneath the cutting deck or unclogging the chute!
 - Before checking "cleaning or working on Lawn mower!
 - After striking a foreign object. Inspect the lawnmower for damage and make repairs before restarting and operating the lawnmower!
 - If the lawnmower starts to vibrate abnormally immediately check and remove

the cause of the vibration!

- Whenever you leave the lawn mower unattended.
 - When transporting the equipment.
- 19) Stop the motor.
- Every time the grass catcher is removed or replaced.
 - Before regulating the grass cutting height.
- 20) When mowing" always keep to a safe distance from the rotating blade. This distance is the length of the handle.

Maintenance and storage

- 1) Keep all nuts" bolts and screws tight to be sure the equipment is in safe working condition. Regular maintenance is essential for safety and for maintaining performance levels.
- 2) To reduce the fire hazard" keep the lawnmower, and particularly the motor, free of grass, leaves, or excessive grease. Do not leave garden rubbish containers within a room.
- 3) Check the deflector and grass catcher frequently for wear and deterioration.
- 4) Periodically check the electric cables and replace them if they are damaged or the insulation has been damaged. Never touch a badly insulated cable if it still connected to the power supply. Remove the cable from the socket before taking any action.
- 5) Wear strong work gloves when removing and reassembling the blade.
- 6) Check the blade's balance after sharpening.
- 7) For reasons of safety, do not use the equipment with worn cables or damaged parts. Parts are to be replaced and not repaired. Use genuine spare parts (blades should always bear the symbol). Parts which are not of an equivalent quality can damage the equipment and be dangerous for your safety.

Figure J

Attach the stone-deflector by inserting the pin (Figure J-pos.4) and the spring (2) as shown.

First, insert the pin into the right-hand housing (Figure J-pos.3).

Next insert the eyelet end (1) of the spring into the central slot, and lastly insert the other end into the position (5).

Figure K

Insert the lower part right (Figure K-pos.5) and left (Figure K-pos.7) of the handle into the respective holes and lock into position with the supplied screws (Figure K-pos.8).

Attach the upper part of the handle (Figure K- Pos.1) to the lower part using the knobs (3) and the supplied nuts and bolts as shown.

Attach the cable-clamp (2) to the position shown and then attach the cable (4).

The correct position of the electric cable hook (6) is as shown.

Figure L

When using a rigid grass catcher" assemble the two parts (Figure L-pos.1) and (2)" making sure that the hooks are fully clicked into position.

Figure M

Attach the wheels " selecting the hole for the preferred cutting height (Figure M).

Figure N

The motor is controlled by a dual action switch to prevent starting it accidentally.

To start, press the button (Figure N-pos.2) and pull the lever (1). The motor automatically stops on releasing the lever (Figure N -pos. 1).

⚠ WARNING!

Blade continues to rotate after machine is switched off.

Figure O

The cutting height is adjusted by attaching the wheels to the required hole (Figure O). All the wheels must be at the same height. **MAKE THIS ADJUSTMENT ONLY WHEN THE BLADE IS STOPPED.**

Figure P

Lift the stone-deflector and correctly attach the rigid grass catcher (Figure P-pos.1)

Figure Q

Start the motor by pressing the safety push-button (Figure Q-pos.2) and pulling the lever (1) of the switchgear. If it is necessary to tilt the machine to encourage the motor to start on grass, it should only be tilted from the front.

Figure R

While cutting, ensure that the electric cable is always behind you and on the area of grass already cut (Dia R).

Figure S

The lawn's appearance will be improved if it is always cut to the same height and

is cut in alternate directions. Once cutting is finished, release the lever (Figure S-pos.1). FIRST disconnect the cable extension from the supply socket (2) and THEN from the side of the lawn mower switch gear (3).

Wait for the blade to stop before carrying out any type of work on the lawn- mower.

⚠ WARNING!

Blade continues to rotate after machine is switched off.

Routine maintenance (see Figure T, U, V)

After work has been carried out on the blade, reassemble as shown in the drawing, tightening the central screw (Figure T -pos. 1) to 16-18 Nm (1.6-1.8 kg.m).

Do not use forced water and avoid wetting the motor or the electrical components (Figure U).

Do not use harsh products for cleaning the chassis. Oil the wheel pins (Figure V).

Store the lawnmower in a dry place.

Should you have any doubts or problems, do not hesitate to contact the Authorized Service Center or your Sales outlet.

MAINTENANCE&MALFUNCTIONS

Possible malfunctions and methods of their eliminations

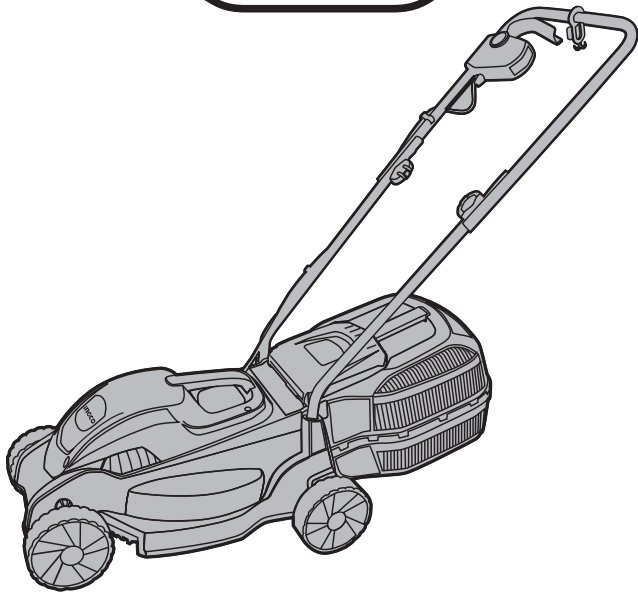
Malfunction	Probable causes	Actions
When the machine is turned on, the electric motor does not work.	• Switch failure • The power cord or wiring is broken, power cord plug malfunction; • No brush contact with the collector; • Wear/damage of brushes	Disconnect the machine from the mains and contact a qualified specialist.
Formation of a circular fire on the collector	• Brush wear/damage of the brush holder; • Malfunction in the armature coil	Disconnect the machine from the mains and contact a qualified specialist. Please don't repair the machine by your own.
When working, smoke or the smell of burning insulation appears from the ventilation openings.	• Malfunction in the electric motor coil; • Malfunction of the electrical part of the tool.	
Increased noise in the gearbox	• Wear/breakage of gears or bearings	
When the machine is turned on, the spindle does not rotate	• Gearbox failure.	

Critical state criteria

Critical state criteria	Probable causes	Actions
Cracks on the surfaces of bearing and housing parts	Fatigue deformation of metal	Disconnect the machine from the mains and contact a qualified specialist. Please don't repair the machine by your own.
The power cord or plug is damaged	Overload or breakage	
Excessive wear or damage to the motor or reductor mechanism, or a combination of signs	Fatigue deformation of metal	

Critical state criteria

List of critical failures	Actions
Electric motor sparking	It is necessary to contact a qualified specialist
The appearance of extraneous noise	It is necessary to contact a qualified specialist
If the above malfunctions are detected, it is necessary to disconnect the machine from the mains and contact a qualified specialist	



   INGCO Global

www.ingco.com

MADE IN CHINA 0724.V06
INGCO TOOLS CO., LIMITED

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