

Remote control tracked self-propelled lawn mower

Applicable to MC700-AIR series

Product Manual

Jiangsu Maibu Intelligent Technology Co. , Ltd

Preface

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- (4) Jiangsu Maibu Intelligent Equipment Technology Co., Ltd. strictly complies with local regulations, and all products meet local regulatory standards.
- (5) Please follow the instructions in this manual to use and operate the battery and electronic control system, otherwise it may affect the protection design of the system and invalidate the warranty commitment of the system.
- (6) The specifications in this document are subject to change without notice. We have made every effort to make this document complete, accurate and up-to-date. However, in some cases, some improvements may be necessary without prior notice.
- (7) To facilitate reading this manual, a large number of pictures are configured in the manual. The pictures are for illustrative purposes only, and the specific details of the product are subject to the actual product received.
- (8) All descriptions in this manual are standard configurations of the lawn mower. If users have special needs, please explain to the staff of Jiangsu Maibu Intelligent Equipment Technology Co., Ltd. when ordering. We will do our best to meet your needs. The specific details of the product are subject to the actual product you receive.
- (9) This manual cannot cover all possible situations in the installation, operation,

maintenance, overhaul and other processes. If you encounter situations that are not explained in the manual, please contact Jiangsu Maibu Intelligent Equipment Technology Co., Ltd. in time.

(10) In order to use this product more safely and efficiently, this manual introduces in detail the safety precautions, technical parameters, driving operation, maintenance (inspection) methods of the machine, please read carefully and use this product correctly on the basis of understanding.

Key points to note:

1. This product has potential dangers. Do not operate, maintain, or inspect this product before reading and understanding this manual.
2. In order to be able to perform correct operation, maintenance and inspection of this product at any time, please be sure to do so according to the requirements of this manual, and keep this manual properly.

Jiangsu Maibu Intelligent Equipment Technology Co., Ltd. assumes no responsibility for any losses caused by this document, including but not limited to omissions, printing errors, arithmetic errors or listed errors in this document.

Jiangsu Maibu Intelligent Equipment Technology Co., Ltd. has the final right to interpret all the contents in this user manual.

If you have any suggestions for improving our company's products, please contact us in a timely manner. Thank you again!

Version History

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I. Safety Warnings and Precautions for Use

1.1 Special Warning

1. This product is a professional lawn mower. It is strictly forbidden to use it for other purposes without permission, except for mowing.
2. This product is prohibited from driving on roads, national highways, and other roads. Our company is not responsible for traffic accidents caused by driving on roads.
3. Please do not modify this product. In addition, to avoid accidents, do not disassemble parts, especially the control box cover and the whole machine protective cover, etc. It can easily cause accidents.
4. Before using the remote control function, please turn on the power of the whole machine first. When turning on the remote control, you must rotate the emergency stop knob of the remote control clockwise to pop up, and press the power button of the remote control.
5. **If clicking the remote control button does not work during operation, please stop immediately and restart the remote control system.**
6. This machine has its own remote control protection system. Due to the complex outdoor operating environment, wireless signals are easily interfered with. When the remote control signal is severely interfered with or exceeds the remote control range, the machine will automatically stop walking and mowing; move the position and restart the remote control after confirming that the remote control communication is normal.
7. **This machine comes with a battery voltage display. When the power or voltage is too low (voltage below 48V), please replace the battery or charge the battery in time; if it is not used for a long time, turn it on once a month to check the voltage. If it is lower than 48V, please charge it in time to avoid over-discharge and damage to the battery cells.**

1.2 Warning Label Description for This Product

This product will be affixed with the following warning labels. The warning label specifically records the safety precautions that need to be observed. When using this product, you must abide by the instructions on the label and never do anything that is prohibited.

Please read the contents of the warning label carefully.



To facilitate understanding of the contents of the warning label, please keep the label clean.

If the warning label is damaged, lost, or unclear, please replace it with a new one. Confirm according to this manual or things and contact the sales network.

Reminder for renters

Note: When providing rental services of this product to others, please provide a detailed introduction to the usage method of this product, and be sure to read this manual before use.

1.3 Safety Operation Instructions

To use this product safely, you must pay attention to preventing poisoning, fire, and machine accidents. You must pay high attention, be vigilant, and never be careless. To ensure personal safety, the following precautions should be taken:

1. Be sure to read the instruction manual before operating this product and pay attention to warning signs.
2. Be sure to familiarize yourself with this product in an open area before operating it to avoid misoperation and collisions.
3. Operators must wear safety clothing, protective glasses, gloves, earplugs, and safety helmets.
4. When working, there should be no other people working around the machine to prevent accidents.
5. This machine uses gasoline as fuel, which is flammable, so pay attention to fire prevention. It is strictly forbidden to ignite or smoke near the gasoline engine. It is strictly forbidden to disassemble batteries and other accessories.
6. After refueling, be careful to tighten the fuel tank cap. If there is any fuel leakage, wipe it clean and move the machine away from the refueling point before starting it.
7. It is forbidden to add or pour out fuel while the gasoline engine is running.
8. When operating this product, do not touch the muffler or cylinder block with your hands to avoid burns and accidents.
9. Do not start abruptly, accelerate abruptly, turn sharply, or stop abruptly. It can easily cause the operator to be thrown or the vehicle to skid or overturn, resulting in accidents.
10. When on a sloping road, it is recommended to drive at low speed to avoid skidding or overturning of the vehicle.
11. This product uses a belt for transmission. In the working state, the machine cover must be closed to ensure personal safety.
12. Before storage, the fuel in the fuel tank, fuel filter, and carburetor should be drained or consumed completely. Wipe the machine clean and store it in a ventilated place away from fire.
13. When storing, it should be placed out of reach of children to avoid accidents.
14. It is forbidden to use special working fluids such as strong acids and strong alkalis.
15. After work, operators should wash exposed parts of their bodies and clean all kinds of clothing and equipment.
16. The following personnel are prohibited from operating this product:
Patients with mental illness; intoxicated persons; persons without operating knowledge; minors or the elderly;
Pregnant or lactating women; those who are excessively fatigued.

1.4 Safety Driving and Safe Operation Instructions

This section records the general safety precautions that must be observed during driving and operation. During driving and operation, the safety precautions specified in each chapter must be followed, and it must always be kept in mind to drive safely and operate safely.

Things to Know Before Driving

Please wear safety clothing and protective gear.

When performing driving operations, please wear appropriate work clothes, and do not wear light clothing such as vests, shorts, and slippers. Also, wear protective shoes, protective glasses, gloves, etc., and make safety preparations.

When working for long periods, it is recommended that operators wear earplugs to reduce the harm of noise to the human body and prevent noise.

Pre-work inspection

Before driving, please perform the necessary inspections. If you find anything abnormal, please repair it immediately. In addition, before driving, please check and clean up any accumulated weeds inside the vehicle to prevent fires.

No Smoking

When refueling or extracting fuel, please stay away from fire. When refueling, please make sure the vehicle is turned off. When performing engine maintenance or charging the battery, it is strictly forbidden to approach fire.

No driving on the highway

No Riding

This product is not for passenger use.

No reckless driving

Do not operate when drinking alcohol or feeling unwell. Also, do not allow personnel who are not suitable for driving and operation to operate the product.

Ensure work safety (no entry)

When driving and operating, keep the surroundings of this product (especially children) away, maintaining a distance of at least 5m. If necessary, place a sign at the work site stating "Mowing in progress" or "Keep away".

Before driving and operating, please check the machine's condition for any abnormal noises or loose parts to ensure work safety.

Do not start or drive in poorly ventilated areas

When starting the engine, be sure to do so in a well-ventilated area to prevent exhaust poisoning.

Please start the product from a distance of 5 meters

Please start the vehicle 5 meters away to prevent scratches.

Prohibited: sudden acceleration, sharp turns, and sudden stops.

Please do not perform dangerous operations such as sudden starts, rapid acceleration, sharp turns, or sudden braking. These can easily cause the vehicle to skid or overturn.

Adherence to safe speeds

When moving forward, please ensure the surrounding area is safe, and when driving, please ensure the road conditions are safe and drive at a safe speed.

Recommended operation on slopes

When the machine is working on a slope, please operate on the upper side of the slope.

Do not work directly below the machine

When the machine is working on a slope, do not stand directly below the machine when operating on the lower side of the slope.

Do not open the cutter cover during operation

Please do not open the cutter cover while working. Small stones and other debris that fly out can scatter around and cause danger.

Caution: Sloping surface

When driving on a sloping surface, select "low gear" for driving or turning. Otherwise, it is easy to cause vehicle skidding, rollover and other accidents.

Do not use on steep slopes

Be sure to check and clean grass clippings inside the machine in time

When mowing in harsh environments or plots with a large amount of grass, pay attention to the accumulation of grass clippings inside the machine, especially in the exhaust section, engine fan, and inside the generator, and clean them in time.

Note: Accumulated grass clippings will reduce the ventilation of the engine and generator. Failure to clean them for a long time will reduce the engine and generator's performance and shorten the machine's service life.

Caution: Slippery road surface, causing vehicle skidding

Caution: Ground obstacles, to prevent collision damage

Caution: Uneven ground, causing vehicle distortion

Caution: Landslide

Please do not work on roadsides or ditches. Especially after rain or earthquakes, landslides and other accidents can easily occur.

Safety confirmation when parking

When parking, be sure to turn off the power to the machine and the remote control.

Parking is prohibited in dangerous places

When parking, please choose a flat road surface. Do not park in dangerous places. Also, do not park near flammable materials.

When parking on a sloping road, secure the wheels

Please do not park on sloping roads. If you have no choice but to park, please secure the wheels.

Cleaning after use

After use, please remove weeds and other debris accumulated under the vehicle to prevent fire.

Please turn off the engine during maintenance and inspection

When maintaining or inspecting a vehicle, it must be done after the power is turned off.

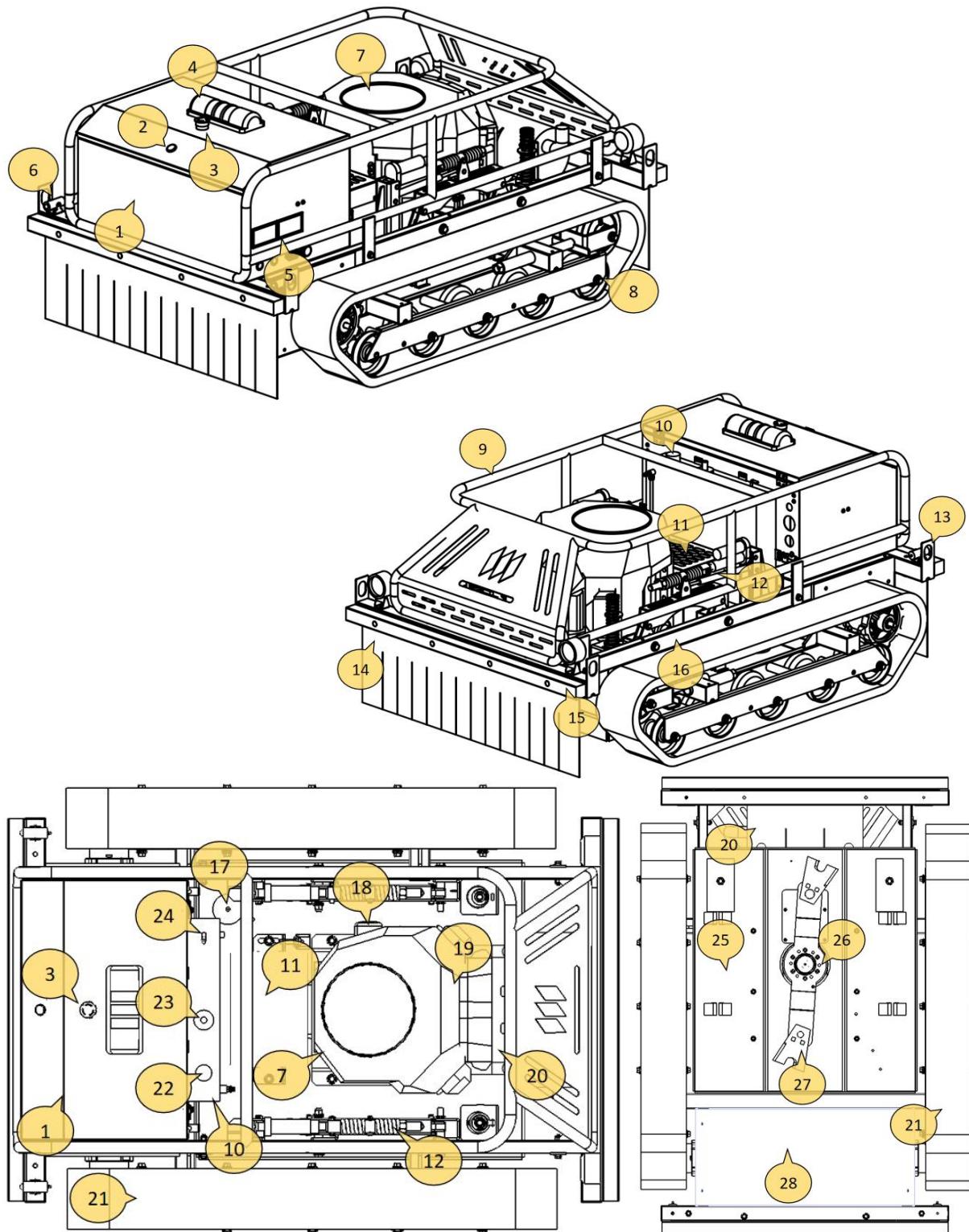
Caution: Burns

After the engine stalls, all parts are in a high-temperature state, which can easily cause burns. Please wait for the vehicle to cool down before performing maintenance.

This product is prohibited from being driven on roads, national highways, and other roads.

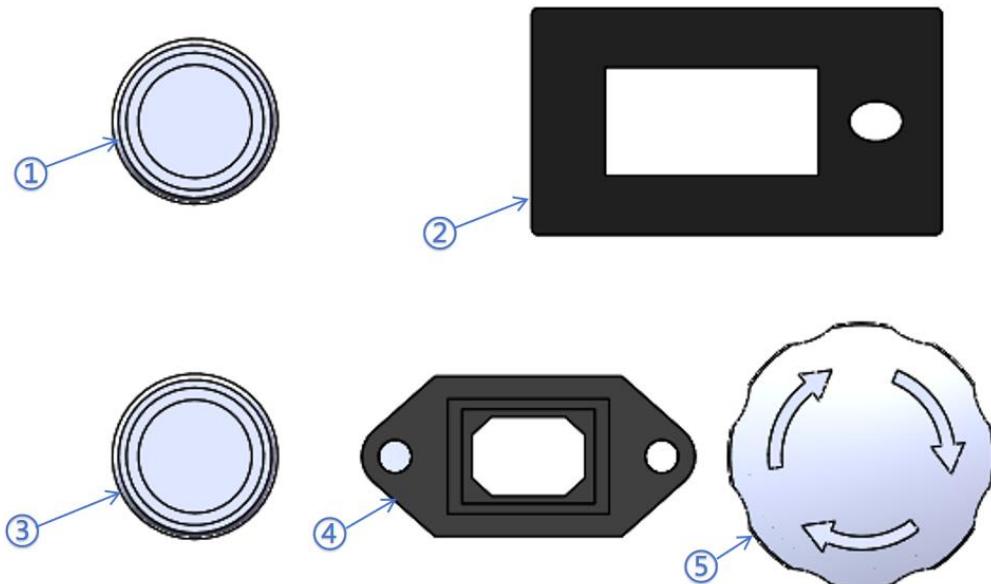
2. Product Introduction

2.1 Component Names and Functions



Serial Number	Component Name	Serial Number	Component Name	Serial Number	Component Name	Serial Number	Component Name
1.	Control Box	2.	Control Box Lock	3.	Emergency Stop Switch	4.	Three-color light
5.	Control panel	6.	Rear light	7.	Engine	8.	Track support assembly
9.	Protective beam	10.	Fuel tank	11.	Generator	12.	Lifting assembly
13.	Lifting lug	14.	Grass Curtain	15.	Baffle	16.	Frame assembly
17.	Antenna	18.	Oil filter	19.	Air filter	20.	Muffler
21.	Crawler belt	22.	Oil filler	23.	Oil level sensor	24.	Oil outlet
25.	Cutting disc	26.	Cutting knife handle	27.	Cutting knife	28.	Motor compartment

2.2 Control Panel Functions



1. Power Button: Controls power on/off. In an emergency stop unlocked state, if you press this button, the device will power on and the power indicator will light up; if you press the button again, the button will pop up and reset, and the indicator light on the button will turn off, controlling power on/off.
2. Voltage Display: Real-time display of the battery's working voltage. When the power or

voltage is too low in a non-working state (below **48V**), the vehicle needs to be stopped for charging.

3. DragButton: Releases the wheel brake. If the mower malfunctions, you can press this button, and the indicator light on the button will illuminate, releasing the wheel brake, allowing you to drag the mower. If you press the button again, the button will pop up and reset, and the indicator light on the button will turn off, locking the wheel brake and preventing the mower from being dragged.
4. Charging Port: For battery charging. Be sure to use the original matching battery charger.
5. Emergency Stop Button: Used when the equipment malfunctions. Press the emergency stop button to immediately stop the equipment. If restarting is necessary, after troubleshooting the abnormality, rotate the emergency stop button clockwise until it pops out and unlocks, allowing the equipment to be used normally.

2.3 Technical Parameters

Name		Unit	Remote control self-propelled lawn mower
Vehicle information	Model		MC700-AIR
	Overall dimensions (length × width × height)	mm	1420×1090×650
	Vehicle weight	kg	320
	Work efficiency	m ² /h	2500*
	Recommended working speed	km/h	3
	Minimum ground clearance	mm	40
	Battery life (pure electric)	h	0.4
Engine	Rated load	kg	500 (Flat Ground)
	Type		Air-cooled, four-stroke, single-cylinder, vertical shaft gasoline engine
	Power	kW/rpm	Continuous operation 11.5/3600
	Maximum torque	Nm/rpm	36/2800
	Starting method		Remote control one-key start
	Total displacement	cc	608
	Fuel tank capacity	L	10
Driving performance	Engine oil capacity	L	1.6
	Drive type		Single drive
	Power	kW	3
	Crawler belt	Model	150×60
	Driving speed	km/h	0-4
	Brake		Have
	Brake release		Have
	Minimum turning radius	m	0
	Variable angle braking		Have
	Variable speed braking		Have
	Climbing ability	°	≤35
Mowing device	Lateral tilt	°	≤35
	Straight line keeping		Have
	Cutting width	mm	700
	Cutting height	mm	5-90
	Cutting blade form		Segmented
	Number of blades		2
Electrical performance	Grass discharge port		2 (front and back)
	Protection method		Clutch
	Remote control		Digital display
	Remote control distance	m	≤200
	Cell composition		SLA
	Battery information	V/AH	48/23

* Actual mowing efficiency at low speed (may vary depending on terrain and type of weeds)

2.4 Attached Bill of Particulars

Serial Number	Name	Quantity	Remarks
1.	Handheld remote control	1 piece	
2.	Remote control waist strap	1 piece	
3.	Lawn mower charger	1 piece	
4.	Control box key	1 piece	
5.	Fuel tank cap key	2 pieces	
6.	Engine Instruction Manual	1 copy	
7.	Complete machine instruction manual	1 copy	This book
8.	Warranty Service Manual	1 copy	

2.5 Optional Accessories

Name	Unit	Quantity	Parameter Index
Complete Machine Protection Frame	piece	1	25mm steel pipe
Cargo Carrier	piece	1	
Cargo Trailer	unit	1	
Collision Buffer Rubber Strip	strip	1	
Collision Parking Protection Sensor	strip	1	
Headlights	Yes	1	
Rear light	Yes	1	

3. Instructions for Machine Use

3.1 Preparation Before Starting

Pre-start Inspection

Before starting, the vehicle body must be inspected. If any abnormalities are found, they must be dealt with immediately.

Please clean the weeds and other debris from the vehicle body to prevent accidents such as fire.

Excessive accumulation of weeds at the air inlet and exhaust outlet of the engine and generator can cause the engine to overheat and the vehicle body to malfunction. Before operation, be sure to carefully check whether there is any accumulation of foreign objects at the air inlet and exhaust outlet of the engine and generator. If there is any accumulation, please clean it up in time.

Please refer to the [Periodic Inspection Checklist] for periodic inspection content.

Fuel inspection and refueling, electricity detection and charging

Warning

- Keep away from fire when refueling
- When refueling, be sure to do so with the engine stopped.
- When refueling, be careful not to exceed the oil level (the bottom of the filter surface of the fuel filler), and be careful not to spill oil outside the fuel filler. If there is any leakage, please wash it off immediately.
- When charging, use the standard 220V voltage and do not operate in violation of regulations.
- When charging, check for flammable materials around and stay away from dangerous places.
- Pay attention to ventilation when charging.
- The charging place should be placed out of reach of children, beware of potential dangers.

- 1) Please check whether the oil and electricity are normal.
- 2) Please confirm the electricity meter, and charge it in time when it is insufficient or lower than **48V**.
- 3) Please check the oil level. If it is insufficient or the alarm goes off, open the fuel cap and add fuel in time. Close the fuel cap after filling.
- 4) Check the total working time of the machine, and whether the engine oil condition is normal. If the oil is turbid, replace it in time.

Suggestion:

- **Fuel used: Unleaded gasoline of No. 91 or above for automobiles or unleaded gasoline (E10) with an ethanol content of no more than 10%.**
- **Fuel tank capacity:10L.**
- **Engine oil: Add four-stroke engine oil for automobiles to the middle position of the dipstick cursor, and change the grade according to the season.**
- **Engine oil capacity**

Without replacing the oil filter: 1.7 L, Replacing the oil filter: 1.9 L

- 1) Check whether the connections of each part of the machine are firm, and whether the bolts are loose. If there is any looseness, tighten them in time.
- 2) Check each fastener to make sure the engine, etc. are securely mounted on the frame. Whether the pulley is loose and the belt is moderately tight.
- 3) Check whether there are weeds or other foreign objects inside the machine that have not been cleaned. If there are foreign objects, clean them in time.
- 4) Whether the cutting disc is raised to the highest position.

3.2 Starting Method

⚠ Warning

- **Before starting the lawn mower, make sure the surrounding area is safe and retreat to 5m away.**
- **The engine must be started in a well-ventilated area. Avoid exhaust poisoning accidents.**
- **Make sure the surrounding area is safe when starting the engine.**
- **When starting the engine, make sure it is on a flat area free of foreign objects such as stones and in a parked state. Avoid damage to the cutter or flying stones during startup, which may cause injury to the user or third parties.**

Walking start

- 1) Rotate the machine emergency stop button clockwise to unlock and reset the whole

machine.

- 2) Press the machine power button, and the instrument and indicator lights will light up.
- 3) Confirm power
- 4) Press the power button on the remote control until the power indicator light on the remote control turns on.
- 5) Move the joystick to drive the lawnmower
- 6) **When walking long distances, the engine must be started and the cutter speed increased to prevent excessive power consumption.**

3.3 Mowing method

Warning

- **Do not approach people around you while driving.**
- **Before starting, make sure the surroundings are safe and pay attention to road slopes and other conditions. Operate at a safe speed.**
- **Sudden starts, sudden acceleration, and sharp turns are prohibited to avoid skidding, tipping, and other accidents.**
- **Drive at low speed on sloping roads, otherwise it may cause skidding, tipping and other accidents.**
- **It is forbidden to cross sloping roads, which can easily cause skidding or rollover.**
- **It is forbidden to turn on sloping roads, which can easily cause the vehicle to reverse, skid or roll over.**
- **On roads with poor visibility or narrow roads, slopes, undulations and other driving environments, please follow the instructions of the guide and make safety confirmation before driving.**

Mowing start

- 1) Confirm the safety of the machine in all directions.
- 2) Confirm the driving mode.
- 3) Confirm that the cutter disc is raised to the highest position.
- 4) Confirm that the remote control is normal.
- 5) Flip the engine fork switch upwards. Note: Immediately release the button after the engine is ignited and started. Each ignition time should not exceed 3s. Excessive time can easily damage the engine. It is difficult to ignite the cold engine in winter, and it can be repeated 3-5 times, with a pause of 5s in between.
- 6) The cutter rotates normally, and the machine sound frequency is uniform and normal,

indicating that the start is successful.

- 7) Move the cutting height fork switch up and down to adjust the cutter disc to the desired position.
- 8) Move the cutter speed fork switch up and down to adjust the cutter speed to the desired speed.
- 9) The lawn mower travels and starts mowing.

Mowing stops

- 1) Turn off the engine stop fork switch to stop the engine.
- 2) Note: Wait until the cutter has completely stopped rotating before approaching the machine to inspect it.

3.4 Parking Method

Warning

- Sudden stops are prohibited as they can easily cause the machine to slip and overturn.
- Please park in a flat, hard, and safe place; do not park on sloping surfaces. If it is unavoidable, the wheels must be secured.
- Please do not park near flammable or explosive materials.

Lawn Mower Parking and Shutdown

- 1) Press the lawn mower power button until the button indicator light flashes and goes out, then the lawn mower shuts down.
- 2) In extremely urgent situations, press the emergency stop button on the remote control to stop the lawn mower. This may cause some data loss.
- 3) Press the remote control power switch until the display goes off, then the remote control shuts down.

- **Note: When parking the vehicle for a long time, it is necessary to choose a level ground to avoid the front of the vehicle facing downwards by more than 20° .**
- **Note: If the lawn mower is not used for a long time, please charge it at least once a month, with an interval of no more than 30 calendar days.**

3.5 Remote Control Usage

Warning

- Non-professionals should not disassemble the remote control.
- If the remote control is not used for a long time, please fully charge the battery.



1	Lawn mower walking speed control knob	9	Remote control power button
2	Communication indicator light	10	Engine start/stop lever
3	Cruise control indicator light	11	Spare
4	Remote control battery indicator light	12	Cruise control lever
5	Emergency stop button	13	Throttle increase/decrease lever
6	Forward/backward joystick	14	Chassis lift lever
7	Lawn mower status display	15	Remote control charging port
8	Left/right turn joystick		

-Remote control power



Press the middle button to turn the remote control on or off.

-Operate the mower to walk



The left joystick controls the mower to move forward. The right joystick controls the machine to rotate left and right.

Push up to move forward - Push down to move backward Push left to turn left - Push right to turn right

-Emergency stop button



When the emergency stop button is pressed, the machine stops walking.

-Chassis lifting



Flip up to raise the cutter, flip down to lower the cutter, the middle position height

remains unchanged, and the lever returns to the center automatically.

-Engine start and stop



Flip up to ignite the engine, flip down to turn off the engine, and the lever automatically returns to the center.

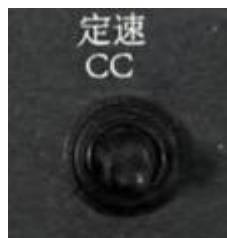
Note: After the engine is ignited and started, release the button immediately. Each ignition time should not exceed 3 seconds. Excessive time can easily damage the engine. In winter, it is difficult to start the engine when it is cold. You can repeat it 3-5 times, with a pause of 3 seconds in between.

- Cutting blade speed adjustment



Push up to increase the cutting blade speed, push down to decrease the cutting blade speed, the middle position remains unchanged, and the lever automatically returns to the center.

- Cruise control



Push the forward joystick forward and then push the cruise control upward until the cruise

control indicator light is on.



When the cruise control indicator light is on, the lawn mower enters the cruise control state.

During this period, you can control the direction of the lawn mower by turning the left and right joysticks.

To exit this state, you need to move the forward and backward joystick.

Operation steps

- 1) Push the “Cutting Height” lever up to raise the cutting blade to the highest position and release the lever.
- 2) Push the “Engine” lever up to ignite the engine, and release it immediately after successful ignition.
- 3) Adjust the throttle size, cutter height, and direction joystick according to work needs.
- 4) When the work is finished, pull down the “Engine” lever, the engine stalls, long press the “Power Button” to turn off the remote control, and all switches return to the zero position.

Note: Effective remote control distance: no more than200 meters without interference.

IV. Maintenance and Repair

4.1 Periodic Inspection Table

 Note
<ul style="list-style-type: none">● Failure to perform timely inspection and maintenance is the cause of accidents. In order to maintain a good condition, please refer to the following table for periodic inspection and maintenance.

Engine Inspection

1) Daily inspection

- ✓ Fuel Inspection
- ✓ Engine oil inspection
- ✓ Inspection of tightness of each screw
- ✓ Abnormal vibration, abnormal sound
- ✓ Inspection of electrical control system
- ✓ **Inspection of damper and throttle switch shaft action**

2) Periodic inspection

Project	Frequency of work
Air filter inspection	2 hours daily (increase inspection frequency in dusty areas)
Cleaning of air filter	Every 6 months or 100hours (increase cleaning frequency in dusty areas)
Air filterfilter elementreplacement	Every 2 years or every 500hours (increase replacement frequency in dusty areas)
Cleaning and tightness inspection of each part	Daily8hours (increase inspection frequency in dusty areas)
Engine oil inspection and replenishment	Daily8hours (increase inspection frequency in dusty areas)
Engine oil change	Initially20hours, then every100hours (Increase inspection frequency in dusty areas)
Spark plug cleaning	Every 50 hours or when the engine misfires
Fuel filter cleaning	Every200hours
Spark plug gap cleaning and adjustment	Every200hours
Fuel line replacement	Every2years
Generator inspection	2 hours daily (increase inspection frequency in dusty areas)
Generatorcleaning	Daily8hours (increase inspection frequency in dusty areas)
Battery inspection and replenishment	Daily8hours (increase inspection frequency in areas with frequent use or low temperatures)
Overhaul	Every 1000 hours (please contact the sales network)

4.2 Inspection of walking and mowing parts

Note

- When disassembling and installing parts, be careful not to injure your fingers.
- When opening or disassembling for inspection and work, be sure to restore it after the inspection is completed.

Pre-work inspection should be done once a day, monthly maintenance once a month, and annual maintenance once a year.

Project		Inspection Content	Inspection time		
			Each time	Monthly	Annual
Walking device	Tires or tracks	Are there any obvious defects, aging, or wear?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Is the slack and tension appropriate?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Are the tension nuts deformed or corroded?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Brake	Is there any abnormal sound when idling at low speed?		<input type="radio"/>	<input type="radio"/>
		Is the brake system in normal condition?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Can the brakes remain stopped on an inclined surface of 30 degrees?		<input type="radio"/>	<input type="radio"/>
Vehicle body	Rod, connecting rod, Metal wire	Is the shaft condition normal, and are there any abnormal noises or heat?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Check if the mounting screws and nuts are loose or missing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Chassis and vehicle body	Check if there are any deformation damages to rods, connecting rods, and metal wires.		<input type="radio"/>	<input type="radio"/>
		Check if the connection is loose, the condition is normal, and if the cotter pin is damaged.		<input type="radio"/>	<input type="radio"/>
Body	Car cover	Check for cracks, deformation, and corrosion.		<input type="radio"/>	<input type="radio"/>
		Check if the mounting screws and nuts are loose or missing.		<input type="radio"/>	<input type="radio"/>
	Car cover	Check if the mounting screws and nuts are loose or missing.		<input type="radio"/>	<input type="radio"/>
		Check if the mounting screws and nuts are loose or missing.		<input type="radio"/>	<input type="radio"/>

		missing.			
	Label	Check the instruction labels for dirt and damage.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transm ission	V-belt	Whether the belt tension is appropriate, and whether there are cracks, damage, or dirt	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Whether the V-belt is worn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Whether the belt length is within the standard value		<input type="radio"/>	<input type="radio"/>
	Tension pulley	Whether there is bouncing during operation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cut te r m ec h a ni s m	Lifting mechanism	Whether the lifting is smooth and without abnormal noise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Cutting knife handle	Are the bolts tightened?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Cutting knife	Are the bolts tightened, and is the wear severe?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4.3 Table of Refueling, Water Replenishment, Grease and Lubricating Oil

Project	Supply (exchange) period	Recommended varieties	Capacity
Fuel	Anytime	Automotive unleaded gasoline of No. 91 or higher, or unleaded gasoline with an ethanol content of no more than 10% (E10)	10L
Engine oil	Replenish daily inspections when there are deficiencies Initial replacement: 20 hours After initial replacement: Every 100 hours	Engine oil SAE Classification General purpose: 10W-30 or 5W-30 Environment between startup/operating temperatures of 5°F (-15°C) and -13°F (-25°C): Fully synthetic 5W-30	1.7L
Walking bearing	Every six months	Chassis grease Transmission fluid API Classification GL4 or 5 SAE Classification #80	-
Reducer	Every six months	Mobil XHP222	
Charge or replace the	Anytime, when there is no power	Charge the remote control battery using the remote control charger;	23Ah

battery		Charge the power battery and starting battery with a dedicated charger	
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4.4 List of Consumed Parts (Replacement Parts)

Note			
When repairing or replacing parts of this product, be sure to use genuine parts from our company. If non-company parts are used, our company may not provide warranty or other services for the product.			
Project	Replacement time	Type	Warranty period
V-belt	Replace when a defect is found	Rubber parts	3months
Tire/Track	Replace when a defect is found	Rubber parts	3months
Cutting knife	Replace when a defect is found	Metal parts	3months
Lifting guide sleeve	Replace when a defect is found	Nylon parts	3months

Suggestion: It is best to replace the V-belt after using it for 100 hours.

Wheel/track air leaks and fractures caused by external forces are not covered by the warranty.

4.5 engine

Warning

- The engine must be stopped during maintenance and servicing.
- For some time after the engine is stopped, the engine parts and oil are in a high-temperature state. To avoid burns, please cool them down before performing maintenance and servicing.

Inspection, replenishment, and replacement of engine oil

Warning

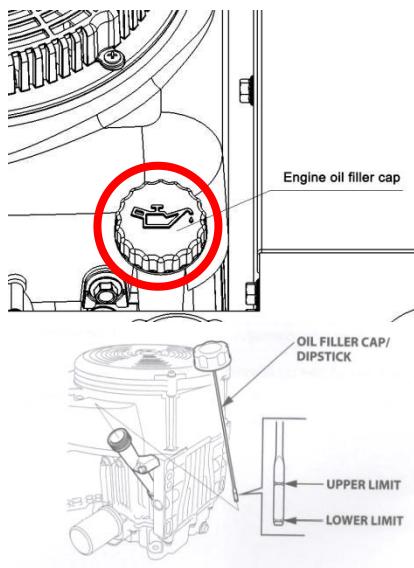
- Dispose of waste oil in accordance with national laws and regulations.

Note

- If oil is not added in time, the engine will malfunction. Therefore, please replenish the specified engine oil in time.

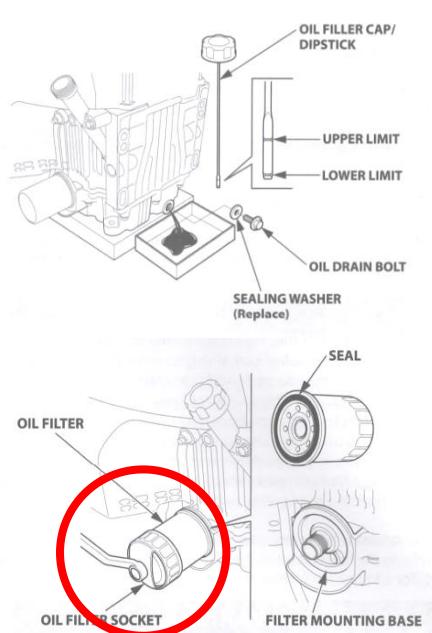
Suggestion:

- Please check the oil level before starting the engine or ten minutes after it is turned off. This is because when the engine is turned off, there is still residual oil in various parts of the car, making it impossible to properly check the oil level.



Check:

- 1) Park the vehicle on a level surface.
- 2) Remove the oil filler cap (as shown in the figure on the right).
- 3) Check the oil dipstick.
- 4) If the oil is insufficient, add oil.
- 5) Try installing the oil dipstick, the oil level is in the middle of the dipstick.
- 6) Install the oil filler cap.



Note: Please check the air filter daily after mowing. A dirty filter can easily cause engine failure, insufficient power output, and reduced lifespan.

- 1) Open the air filter housing buckle.
- 2) Open the housing, take out the air filter, release the two spring clips from the filter element bracket, and remove the foam filter element from the bracket,



then remove the paper filter element.

- 3) Inspect the filter element and replace it if damaged. Always replace the paper filter element at the scheduled intervals.

- 4) If you want to reuse it, clean the filter element.

Paper Filter Element: Tap the filter element several times on a hard surface to remove dirt, or blow compressed air through the filter element from the clean side facing the engine [not exceeding 207 kPa (2.1 kgf/cm², 30 psi)]. Never attempt to brush off dirt; brushing will force dirt into the fibers. If the paper filter element is too dirty, replace it.

Foam Filter Element: Wash in warm soapy water, rinse thoroughly, and dry completely. Or wash with a non-flammable solvent and let dry. Immerse the filter element in clean engine oil, then squeeze out the excess oil. If too much oil remains in the foam, the engine will smoke upon startup.

- 5) Wipe away dirt from the air cleaner body and the inside of the cover with a damp cloth. Operate carefully to prevent dust from entering the carburetor's air chamber.

- 6) Reinstall the paper filter, place the foam filter on the filter holder, and then reinstall the filter holder on the air cleaner housing.

- 7) Securely lock the air cleaner cover latches.

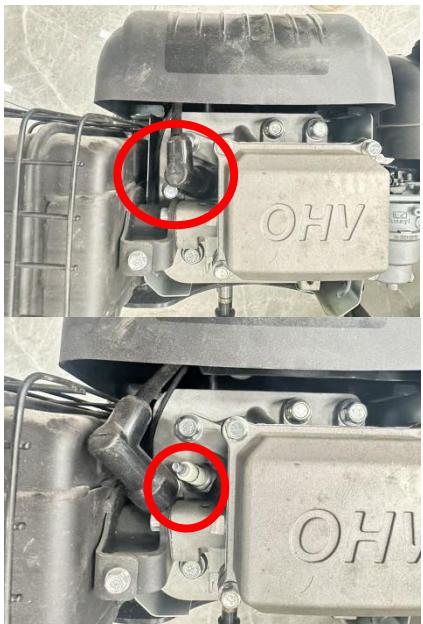
Note: When removing the spark plug, hold the spark plug cap. Pulling the wire forcefully can break the wire. A loose spark plug can overheat and damage the engine. Overtightening the spark plug can damage the threads in the cylinder head. Disconnect the spark plug cap and clean any dirt around the spark plug area.

Remove the spark plug with a spark plug wrench.

Inspect the spark plug: Replace if damaged, severely fouled, gasket in poor condition, or electrodes worn.

Measure the spark plug electrode gap with a wire-type feeler gauge. If necessary, carefully bend the side electrode to correct the gap. Carefully install the spark plug by hand to avoid cross-threading.

After the spark plug is installed, tighten the spark plug with a spark plug wrench to compress the gasket. When installing a new spark plug, tighten 1/2 turn to compress the gasket. When reinstalling the original spark plug, tighten 1/8-1/4 turn to compress the gasket.



4.6 Traveling Device

Warning

- The engine must be stopped and the blade confirmed to have stopped rotating during maintenance and repair.
- When the engine has been stopped for a period of time, or when parts or the engine itself are at high temperatures, please wait until they have cooled down before performing maintenance to avoid burns.

Due to the inherent characteristics of rubber, it will loosen after a period of use. It is necessary to pay attention to tightening it appropriately according to the usage, otherwise it is easy to cause belt detachment.

4.7 Post-use maintenance

Note

- Do not wash the engine and chassis with water to avoid circuit failure or rust caused by immersion.
- Hard adhering substances can easily cause malfunctions, so please remove them thoroughly.
- If it cannot be operated due to hard adhering substances, do not force it.

Normal post-use maintenance and care

- 1) Remove weeds or mud and other debris that adhere to it in a timely manner after use.
- 2) Please park on hard, dry ground such as concrete.
- 3) Please store it indoors.

Long-term storage methods

Warning

- Do not store near fire to avoid fire.

- 1) Please park in the order of **【Parking Method】**.
- 2) Remove adhering weeds, mud, and other debris.
- 3) Apply butter to fasteners and rusted areas for rust prevention.
- 4) Charging the battery fully once a month will help extend its lifespan.
- 5) After the engine has cooled, drain the fuel tank and carburetor, cover the entire machine with a waterproof cover, and store it horizontally in a cool, dry place.
 - Remove the retaining clip at the fuel filter, pull the fuel line from the filter, and drain the fuel from the fuel tank into an approved gasoline container. If the fuel tank is equipped with a valve, turn the fuel valve to the OPEN or ON position to enable draining. After draining, you can start the engine until it stalls naturally to consume the remaining gasoline, and reconnect the fuel line.
 - Loosen the carburetor drain screw and drain the oil from the carburetor into an approved gasoline container. After draining, tighten the carburetor drain screw.
 - If your engine stores gasoline in the tank and carburetor, then reducing the risk of gasoline vapor ignition is very important. Choose a well-ventilated storage area away from any flame-bearing equipment, such as stoves, water heaters, or dryers. Also

avoid areas with any spark-producing motors, or areas where power tools are operated.

- If possible, avoid high-humidity storage areas, as that will promote rust and corrosion.
- Keep the fuel valve in the CLOSED or OFF position to reduce the possibility of fuel leakage unless all fuel has been drained from the fuel tank.
- After the engine and exhaust system have cooled, cover the engine to keep out dust. Hot engines and exhaust systems can ignite or melt some materials.
- Do not use plastic sheets as dust covers.
- Non-porous covers will make it difficult for the machine to evaporate moisture, promoting rust and corrosion.

5. Troubleshooting

5.1 Problem Diagnosis Table

 Note	
<ul style="list-style-type: none"> ● If a problem occurs with this product, stop using it. Refer to the following problem diagnosis table for appropriate handling. If a problem not listed in the following problem diagnosis table occurs, or if the problem is not resolved according to the handling method page, please contact the sales outlet directly. ● The following handling contents also include a lot of specialized knowledge, as well as designated specialized tools, instruments, etc. If the customer cannot handle it personally, please contact the sales outlet. 	

Location of occurrence	Description of the problem	Reason	Processing
Remote control system	Remote control button unresponsive or display off	Machine power is not turned on	Turn on the machine power switch
		Remote control power is not turned on (remote control indicator shows red light)	Turn on the remote control power switch
		Machine power supply voltage is too low or out of power	Charging
		Signal loss	Turn off the remote control and mower, restart the mower, and then reconnect the remote control.
		Other (other than the above)	Contact the dealer
	Direction dial does not respond	Remote control is not turned on	Turn on the remote control power switch
		Other (except for the above)	Contact the dealer
	Machine does not work	Emergency stop button is not turned on	Turn on the machine emergency stop button
	Remote control display is off	Remote control power switch not turned on	Turn on the remote control power switch
		Emergency stop button is not turned on	Turn on the machine emergency stop button
		Remote control system is normal, display is damaged	Replace the display

Location of occurrence	Description of the problem	Reason	Processing
		Remote control has no battery or battery is dead	Install or replace the battery
Engine	Engine cannot start or is hard to start	No fuel	Refuel
		Fuel cannot be drawn	Check throttle switch, fuel pipe
		Temperature too low	Start 3-5 times according to the starting method
		Spark plug ignition failure	Disassemble Clean or replace
		Low starting voltage	Fully charge or replace the starting battery
		Injector or filter clogged	Clean or replace the filter
		Other (other than the above)	If it still cannot be started after starting again according to the [Starting Method], please contact the sales store
Engine	Stalled midway	Insufficient warm-up	Sufficient warm-up
		Cutter hits foreign object	Move to a flat location and restart after checking if the cutter is intact
		Foreign object entangled in cutter handle	Remove foreign object and restart after checking if the cutter is intact
	Engine suddenly stops	No fuel	Refuel
		Impacted by hard object	Move position and try starting again
		Other (other than the above)	Contact the dealer
	Poor low-speed idling (unstable engine rotation)	Air filter mesh clogged	Sweep or exchange
		Mesh clogged at the fan	Sweep
		Other (other than the above)	Contact the dealer
	Insufficient output or acceleration	Poor fuel	Replace
		Air filter mesh clogged	Sweep or exchange
		Mesh clogged at the fan	Sweep
		Overload	Reduce load
		Throttle switch malfunction	Clean the pivot or adjust the pull wire.
		Other (other than the above)	Contact the dealer
	Abnormal noise or vibration near the engine	Stop the engine and check if lifting and other parts are loose	Contact the dealer
	Engine oil consumption is too fast		Contact the sales store or Honda after-sales store

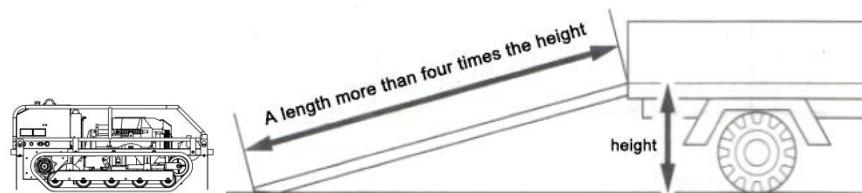
Location of occurrence	Description of the problem	Reason	Processing
Engine	Heating	Insufficient engine oil	Refuel
	Fuel consumption is too fast	Air filter mesh clogged	Clean or replace
	A large amount of black smoke is emitted (Poor condition)	Other (other than the above)	Contact the dealer
		Air filter mesh clogged	Replace with suitable engine oil
		Improper choke operation	Clean the pivot or adjust the pull wire.
		Other (other than the above)	Contact the dealer
	Large amount of white smoke emitted (Poor condition)	Poor fuel	Exchange
		Engine oil viscosity not suitable	Replace with suitable engine oil
		Excessive oil overflow into combustion chamber	Burn until no white smoke is emitted
		Other (other than the above)	Contact the dealer
Generator	Large amount of heat generated	Mesh blockage	Sweep
	No power generation	Check the integrity and tension of the V-belt	Tighten or replace the V-belt
		Other (other than the above)	Contact the dealer
Walking device	Unable to turn in place or walk straight	Abnormal motor drive	Contact the dealer
	Other (other than the above)	Contact the dealer	
	Abnormal brake or parking brake	Abnormal motor brake	Contact the dealer
		Abnormal brake line	Contact the dealer
Mowing device	Cutter does not rotate	Engine speed is too low	Increase engine speed
		Safety clutch damaged	Replace safety clutch
	Abnormal vibration during operation	Cutter damaged or detached	Replace
		Foreign object entered	Remove foreign object
	Cut grass cannot be discharged smoothly	Grass has high humidity	Operate after the grass is dry
		Mowing height too low	Raise the mowing height
		Engine speed is too low	Increase engine speed
		Operating speed too fast	Slow down the operating speed
	Grass clippings left after mowing	Grass is too long	Raise the mowing height
		Engine speed is too low	Increase engine speed
		Operating speed too fast	Slow down the operating speed
		Excessive grass buildup inside the mower deck guard	Clear accumulated grass

Location of occurrence	Description of the problem	Reason	Processing
Knife pin to the ground		Mower blade too low	Raise the mowing height
		Uneven terrain	Adjust mowing height according to terrain
		Bent cutter or cutter holder	Replace

6. Key points for transporting this product

Warning

- Please park the truck on a flat surface and be sure to secure the front wheels.
- During operation, please keep people away from the vehicle and the ramp.
- The ramp must be strong enough to withstand the weight of the machine and the load. The width should be more than 2 times the width of the track / tire. The length should be 4 times higher than the truck or table, and anti-slip treatment should be done.
- Make sure the hook of the ramp is hooked on the platform and there are no faults or misalignments on the platform.
- Please move forward slowly to load the vehicle.
- Do not turn on the ramp, it is easy to fall off the vehicle.
- Before transportation, be sure to secure the vehicle body to the truck bed.



- 1、Park the truck on a level surface and secure the wheels.
- 2、Ensure that the hooks of the gangway are attached to the platform and that there are no breaks or misalignments between the platform and the loading dock.
- 3、Please proceed slowly and load the vehicle.
- 4、Park according to the order of the [Parking Method] and secure the vehicle to the truck platform with wire or rope.

7. Warranty and After-Sales Service

7.1 About Warranty

Note: When repairing or replacing parts of this product, be sure to use genuine parts from our company. If non-company parts are used, our company will not provide warranty or other services for the product.

Project	Replacement time	Type	Warranty period
Engine	Replace when a defect is found	Key Components	1year
Generator	Replace when a defect is found	Key Components	1year
Controller	Replace when a defect is found	Key Components	1year
Motor	Replace when a defect is found	Key Components	1year
Reducer	Replace when a defect is found	Key Components	1year
Drive	Replace when a defect is found	Key Components	1year
Remote control	Replace when a defect is found	Key Components	1year
V-belt	Replace when a defect is found	Expendable rubber parts	3months
Tires/tracks	Replace when a defect is found	Expendable rubber parts	3months
Cutting knife	Replace when a defect is found	Expendable metal parts	3 months
Lifting guide sleeve	Replace when a defect is found	Expendable nylon parts	3months

This product comes with a warranty certificate, please check it

7.2 About after-sales service

If you encounter problems during use, or have questions or requests for after-sales service, please contact the sales store or our company's after-sales service center directly. When contacting us, please provide the manufacturing number on the model label, the engine brand and model, and other relevant product information. For the engine brand name and model name of the configuration, please refer to the **【Technical Parameters】** in the instruction

manual.

7.3 About the supply period of parts (period)

The availability period for individual parts of this product is three years after the cessation of manufacturing.