

■ C70S

Ride on Floor Scrubber Manual



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- Before using, please make sure that you have read the instruction carefully and fully understood it.
 - Please keep this instruction properly.

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1.0 Operational Safety Guidance

Before operating the machine, you should read this guide carefully. General safety guidelines for mechanical preparation, operation and maintenance are described in detail in this book. Accident prevention rules must be complied with when using them. If an accident occurs due to non-compliance with these rules, the manufacturer will not be responsible!

This guide is also one of the important accessories of machinery. It should ensure that the operator can read or listen to professional explanations before using it. It should be placed in a place that can be read frequently. This guide uses the following three icons as important tips.



Tip: Important information about economic use. Failure to comply with this prompt may lead to mechanical failure!



Note: Failure to follow this tip may lead to mechanical failure and property damage!



Prohibition: Failure to comply with this Directive may endanger persons or cause serious damage to property!

Safety precautions



If you try to operate or repair the machine without reading this instruction, it may cause harm to you or others, or damage the machine or other property. Operators must undergo systematic training before they use the machine.



In order to avoid fire, the machine is only suitable for cleaning non-explosion-proof commercial ground.



Operating incomplete or unassembled machines may cause harm to you or others, as well as damage to machines or other property. Do not operate the machine until it is fully assembled. Before the user operates the machine, please check the integrity of the machine carefully.



Maintenance of the machine should be carried out by professionally trained personnel. Inspection of the machine should first disconnect the power connector to avoid accidental expansion of the fault.



When reconnecting batteries, we must pay attention to the polarity of the connection wires and batteries. We must never make a mistake. After the connection is completed, we should check again and again, and make sure that there is no mistake before connecting the battery connector to the machine.



This machine is powered by DC power supply. It is absolutely impossible to make a wrong polarity connection of batteries. Once connected with the machine, it will cause damage to all electrical parts of the machine.



Batteries of different specifications and brands have matching chargers. It is possible to damage batteries or even cause battery burst by using unmatched chargers casually. We must attach great importance to it.



Maintenance of machines must be carried out by specialists in the special maintenance department. If the machines are repaired and disassembled without authorization, life injury and damage may occur to the machines. The machine has been debugged before leaving the factory. After maintenance and disassembly, it is necessary to ensure that all fasteners are not loosened. The adjusting parts are adjusted according to the requirements and locked.



The electrical components of the machine may be short-circuited when they meet with water or in humid environment. Ensure the drying of electrical components, wipe the machine clean after use and park in a dry environment.



The charging area should be kept ventilated. The charger should use three-core power cord and power supply with grounding wire. In order to prevent electric shock accident to the maximum extent, please install leakage circuit breaker.



No items are allowed to be placed on the battery!



Please do not inject water into the air intake of the suction motor when cleaning the machine!



Failure to pay attention to the labels and instructions on the machine will cause harm. Be sure to read all the labels on the machine before operating.



The machine can't run on rough ground and slopes, and the operator can't sit on the machine.



Avoid contact between hands, feet and loose clothes and the rotating parts of the machine.



Careful and slow movement should be taken when the machine is operating near the edge. The

space between the anti-collision wheel and the wall should be paid attention to, so as to avoid the machine moving from small obstacles, such as ground power outlet, threshold, ground wire foot and so on.



Use of water or detergent will make wet surface, these places are easy to cause operators or others to slip, when operating, please place warning signs around.



The machine is very heavy, please pay attention to safety in transportation; when carrying the machine, if there are batteries, first unload the batteries, and then must carry the metal frame at the bottom of the machine, do not focus on the plastic water tank!!!

Particular Attention



When turning over the sewage tank, please be sure to empty the water in the sewage tank!!!



It is forbidden to start floor scrubber and chargers in flammable gases or liquids.



The floor scrubber shall not be stored or parked in flammable gases or liquids.

2.0 Function and Precautions

Functions

C70S floor scrubber is suitable for cleaning flat ground. It use 1pcs 20-inch disc brushes or needle plate to clean the ground. The dirty water washed is sucked into the sewage tank by the suction pick behind the machine. The cleaning work can be completed by walking the machine on the ground only once.

Precautions

1. This equipment is a high-efficiency hard ground cleaner with cleaning and water absorption functions, but it does not have the function of cleaning the ground. The ground debris should be cleaned before use, in order to avoid winding and blocking the machine, affecting its normal work.
2. This equipment is suitable for cleaning on smooth hard ground. If there are cracks in floor tile or

rough stone ground, it can clean dirt, but it can not absorb water completely as smooth ground.

3. The equipment shall be stored and parked horizontally, and non-professionals shall be prohibited from operating the equipment.
4. Do not start and install the equipment in flammable, explosive and chemical environment.
5. The equipment is powered by batteries. The acid in batteries can burn skin and eyes. Operators should wear protective clothing and glasses when inspecting batteries to prevent accidents.
6. It is strictly forbidden to place any metal articles on the batteries in order to avoid damaging the batteries.
7. Fire is strictly forbidden around charging. Battery matching chargers should be used. Batteries will be damaged if mismatched chargers are used. Battery bursting may occur in serious cases.
8. Operators should not wear slippers or barefoot while operating the equipment, Do not put hands and feet into the rotating disc brush ;
9. All kinds of operation safety labels on the equipment should be kept clear and intact.
10. Electrical operation parts should avoid the infiltration of water and other liquids, and wet cloth should be used to wipe all parts of the equipment.
11. The maintenance and repair of this equipment must be carried out by professional personnel.

3.0 Characteristics and Parameters

This equipment is a professional automatic ground cleaning equipment. It has the following characteristics:

1. Simple and flexible operation

The operation on the control panel can realize forward, stop and backward movement. The wheel is equipped with rolling bearings, and the turning radius is small, which is more conducive to cleaning the corner area.

2. Electricity Indicator

Indicators of different colors are used to show the usage of battery power, so that operators can master the workload of cleaning, and facilitate regular maintenance of the machine.

3. Easy maintenance

The sewage tank is designed by rollover, which inclines to the installation and removal of batteries. The water absorber motor is installed on the cover of the sewage tank for easy maintenance. After the cover of the sewage tank is opened, the water absorber motor can be easily repaired.

4. Convenient and fast rubber replacement

Release the fixed handle of two suction pickups and pull out the joint of suction pipe. The suction pickup body can be easily removed. The scraper can be removed and replaced by loosening two bolts. The scraper can be reversed upside down and reused.

Main technical parameters

Model	C70S
Disk Brush Width (mm)	510
Scrubbing Width (mm)	850
Clear Water Tank (L)	80
Sewage Water Tank (L)	85
Disk Brush Speed (rpm)	120
Disk Brush Pressure (kg)	65
Work Capacity (m²/h)	3000
Voltage (V)	24
Vacuum Motor Power (W)	550
Disk Brush Motor Power (W)	550
Electric Valve Motor (W)	300
Battery Capacity (Ah)	100Ah*4*6V
Weight (kg)	255
Dimensions (mm)	1300*850*1150

4.0 First Used

For the first use of the new machine, please follow the following procedures:

1. Open the package carefully to prevent damage to the machine in the process of opening. Carefully remove the machine from the packing box and check whether the random parts are complete.

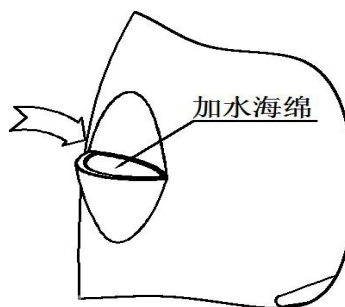
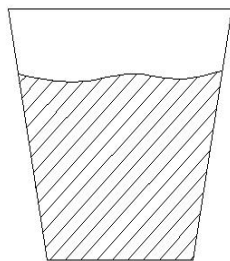
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2. Read the Instructions carefully, understand the operation essentials and matters needing attention, and then operate the machine on the basis of full understanding (designate a special person to operate);
 3. Connect the suction pickup with the suction pickup rack, tighten the two fixed handles after adjusting the position, and connect the suction pipe mouth with the joint on the machine.
 4. Remove the brush disc and select the appropriate brush disc or cleaning pad according to your ground condition for installation.
 5. Water is injected into the water tank.
 6. Install the brush disc and put down the suction pickle and brush disc.
 7. Start the suction motor, brush disc motor and solenoid valve.
 8. Pull the valve switch handle to adjust the appropriate water output.
 9. Open the advance switch and step on the throttle to clean.
 10. After cleaning, first close the brush disc motor, then close the water-absorbing motor.
 11. Rise the brush disc and suction pickle to drain the sewage. If you have finished the day's work, please clean and maintain the machine as required.
 12. Move the machine to the parking place.

5.0 Daily Operation and Maintenance

Working preparation

- 1) Choose the appropriate detergent and detergent concentration according to the contaminated condition of the ground. Generally speaking, only 2 cups of cleaning liquid (commonly used disposable cups) are needed for disposable water cups, as shown in the figure below on the left.

In order to protect the environment, please try to reduce the amount of detergent! Please use neutral low foam detergent! When using detergent, defoamers should be used at the same time to eliminate sewage tank foam and prolong the service life of water absorption motor.



- 2) In the past, cleaner was added to the nozzle, and then clean water was added to the water tank. If you take water from tap with water pipe, you can insert the water pipe directly into the hole on the side of the machine; however, you should pay attention to the water level to avoid the overflow of the cleaning liquid.

Start operation

1. In areas to be cleaned, the ground should be cleaned first to remove larger debris and dust. Make sure there is no soil, stone, paper scraps and other debris on the ground before cleaning, which is of great benefit to you to improve work efficiency and protect the machine.
2. Start the power switch lock, light the power indicator, check the battery power, confirm that the power is sufficient, before cleaning operation can be carried out; if the power is insufficient, the battery must be charged;
3. Put forward and backward switch into forward gear.
4. Start brush disc motor, water absorption motor and button switch sequentially.
5. Adjust the flow of clean water (detergent) according to the situation of washing land, move up and down the adjusting handle to control the flow of water; it can clean the ground and reduce the loss of clean water (detergent).
6. Start switch, brush disc motor, solenoid valve open, the machine starts to work.

Note: The adjustment of absorbent tape will directly affect the water absorption effect of pickup. It is necessary to keep the uniform adhesion between the pickup tape and the ground. When the tape is worn out, the proper position between the pickup tape and the ground can be maintained by adjusting the universal wheel knob of the pickup tape.

7. Because the ground is uneven, sometimes even though it has been cleaned, if there is still water, the brush disc can be raised, start the water-absorbing motor, promote the washing machine, in the water accumulation area, repeated, multiple absorption.



There are deep grooves on the ground, which will affect the water absorption efficiency of the machine and can only be treated separately.

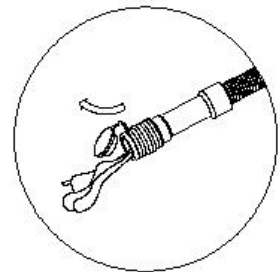
8. Problems that may be encountered in the regulation of water absorption pickling:

When you feel abnormal in the process of using the motor of the water absorber, at the same time, the water absorber can not absorb water or the sound of the water absorber is normal, and the water absorber can not absorb water, you should immediately stop the operation for inspection;

①The water level has risen to the highest position (floating up cut off the wind path), you will discharge sewage;

Method: Pull the sewage pipe out of the pipe clip at the right place, open the pipe cover, discharge the sewage into the sewer, and wash the sewage tank. (as shown on the right).

② If the water level in the dirty water tank is not high and there is no excess foam, please check the connection between the suction hose and the hose, which is likely to be clogged with debris here, and it will return to normal after being cleared.



③ If the water level in the dirty water tank is not high, but there is a lot of foam, this means that it is possible for your cleaning fluid to add too much or the cleaning fluid you use is a high foam cleaning liquid.

④ If the above three conditions are not, please pull out the suction pipe on the suction pickup, open the motor of the suction machine, and try with your hand whether the suction of the intake is normal, if the suction is too small, check whether the suction connecting pipe is blocked.

9.Method of replacing brush disc:

① **Install brush disc:** Put the brush disc under the brush disc cover (if you use the needle disc, please put the brush pad device on the needle disc before putting it in). Put down the brush disc pedal so that the brush disc head and the brush disc chuck are basically on top. Press the start button of the brush disc motor on the control panel at this time. With the motor rotating, the brush disc will be installed automatically, and you can expand immediately. Operations can also be installed manually. For employees who are not skilled in operation, manual installation is recommended.

② **Unstall Brush disc:** After you finish your work, first raise the brush disc, close the brush disc switch, and stop the motor to rotate the brush disc, you can remove the brush disc.

10.Battery replacement methods:

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- ① Cut off all button switches and open the sewage tank.
 - ② Release the clamp on the battery, remove the battery connection, and replace the battery separately.

11. Maintain water absorption pickle:

Absorbent pickpocket is an important part of floor washer. In the process of absorbing water, because of the friction between rubber strip and ground, it will wear out. When the effect of absorbing water is not good, the following checks should be made:

- ① Is there any foreign body in the rubber scraper?(**Prepare a towel and wipe the stained tape at any time.**)
- ② Is there any debris blockage at the connection between suction pickpocket and hose? (**Remove the connection pipe or suction pickpocket to clean up the blockage**)
- ③ Whether the angle between the scraper and the ground is suitable or not can be adjusted by the universal wheel.
- ④ Check the wear condition of the edge of the scraper. If the wear is serious and can not be restored by adjusting, the scraper strip can be used on the other side. If the other side is worn, the new strip can only be replaced.



Normally equipped with ordinary rubber tape, if you are using in the environment with heavy oil pollution, please purchase special oil-resistant rubber tape.

12. Work after daily operation:

- ① Wipe the outside of the cleaning machine with dry and wet cloth.
- ② The sewage in the sewage tank is emptied and cleaned.
- ③ Rise the brush dish and water absorption pickup, and park the floor washer in a flat, dry and ventilated environment without flammable gas, liquid or chemical drugs, open fire, and charge.
- ④ If it stops using for a long time, it should be charged regularly to protect the service life of the battery, open the cover, air-dry, and cover the floor washer with dust-proof cloth for storage.