

■ C70

Ride on Scrubber Machine Manual



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

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1.0 Operational Safety Guidance


Read this user guide carefully before operating the machine. General safety guidelines for mechanical preparation, operation, and maintenance are detailed in this book and must be observed in accordance with accident prevention regulations. If an accident is caused by not following 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.


Safety precautions


-  Failure to comply with this Directive may endanger persons or cause serious damage to property!
-  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, in order 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 in the presence of water or in the 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 on the battery!


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


 Failure to pay attention to the labels and instructions on the machine will result in injury. 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 with the rotating parts of the machine with hands, feet and loose clothes.

 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 the floor washer and charger in the case of combustible gas or liquid.

 It is forbidden to store and park floor washers in flammable gases and liquids.

2.0 Functions and matters needing attention

Functions

C70 Floor scrubber is suitable for cleaning flat ground. It uses two 15-inch brush discs or needle holders to clean the ground. The dirty water washed is sucked into the sewage tank by the suction pick behind the machine. It can complete the cleaning work only by walking the machine on the ground once.

Matters needing attention

1. This equipment is an efficient 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, so as to avoid winding and blocking the machine and affect 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 like smooth ground.
3. This equipment is specially designed for use on flat ground. Do not run or work on slopes to avoid danger.
4. The equipment shall be stored and parked horizontally, and non-professionals shall be prohibited from operating the equipment.
5. Do not start and install the equipment in flammable, explosive and chemical environment.
6. This equipment is powered by battery. The acid in battery can burn skin and eyes. Operators should wear protective clothing and glasses when inspecting battery to prevent accidents.
7. It is strictly forbidden to place any metal articles on the battery in order to avoid damaging the battery.
8. It is strictly forbidden to burn around when charging. If the charger matches the battery, the battery will be damaged by using the mismatched charger, which may cause the battery to burst in serious cases.

9. Operators should not wear slippers or barefoot when operating this equipment.
10. Do not put your hands and feet in the rotating brush disc.
11. All kinds of operation safety labels on the equipment should be kept clear and intact.
12. 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.
13. 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.

Model	C70
Disk Brush Width (mm)	660mm
Scrubbing Width (mm)	1090mm
Clear Water Tank (L)	80L
Sewage Water Tank (L)	85L
Disk Brush Speed (rpm)	225rpm
Work Capacity (m²/h)	3650 m²/h
Voltage (V)	24V
Vacuum Motor Power (W)	500W
Disk Brush Motor Power (W)	450*2W
Battery Capacity (Ah)	24V/140Ah
Weight (kg)	265kg
Dimensions (mm)	1480*690*1100mm

4.0 Notes for First Use

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

1. Carefully open the package 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.
2. After carefully reading this "Instructions for Use" and keeping in mind the essentials of operation and matters needing attention, the following should be done:(The machine can be operated only on the basis of full understanding.)
3. Connect the suction pick-up with the suction pick-up 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 choose 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 absorption 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.

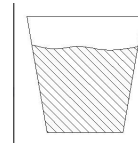
5.0 Daily operation and maintenance

Preparation work:

- 1) Choose appropriate detergent and detergent concentration according to the contaminated state of the ground;

Generally speaking, only two cups of cleaning liquid from a disposable water cup are needed.

The disposable water cup is shown in the right picture.

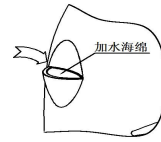


In order to protect the environment, please try to reduce the amount of detergent! Please use neutral low foam detergent! When using detergent, defoamers should be used at the same time to eliminate sewage tank foam and prolong the service life of water absorption motor.

- 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 water filling hole on the side of the machine, but you should pay attention to the water level, so as not to overflow the cleaning liquid!



Starting working:

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 operations 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, machine start 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 of the uneven ground, sometimes even after cleaning, if there is still water, the brush disc can be raised, start the water-absorbing motor, promote the washing machine, in the water area, repeated, repeated absorption.



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

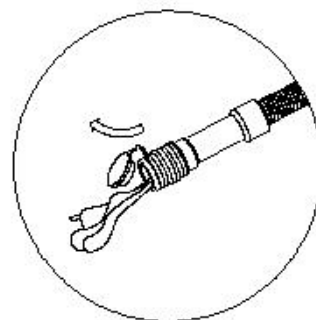
8.Problems of Adjustment Squeegee: When you feel that the suction motor is suddenly abnormal during use, and the squeegee does not absorb water or the sound of the squeegee is normal, the squeegee cannot absorb water, you should stop the

operation immediately for inspection;

① The 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, open the pipe cover, drain the sewage into the sewer, and wash the sewage tank. (right picture)

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 use your hand to try whether the suction of the air intake is normal, if the suction is too small, check whether the suction connecting pipe is blocked.

9.Method of Replacing Brush Disk:

① **Loading brush:** Place the brush tray to be placed under the brush cover (if using the dial, please put the brush on the dial and then put it), and put down the brush pedal so that the brush head and the brush holder are basically opposite. At this time, press the control panel to brush the motor start button. As the motor rotates, the brush disk will be automatically installed. You can then start the operation or manually install it. For the unskilled staff, it is recommended to install it manually.

② **Unloading brush:** After you finish your work, first raise the brush disc, close the brush disc switch, the motor stops turning the brush disc by hand, and then the brush disc can be removed.

10.Battery replacement method:

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 Squeegee :

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

- ① Whether there is foreign matter in the rubber scraper;

(Prepare a towel and wipe the strip at any time)

- ② Whether there any debris blocking at the suction and hose connection ;

(Remove the connection nozzle or remove the suction to clear the blockage)

- ③ Whether the angle between the scraper and the ground is suitable, it can be adjusted by the squeegee universal wheel.

- ④ Check the wear of the edge of the scraper. If the wear is severe and the adjustment cannot be restored, the scraper strip can be used in reverse. If the other side is worn, only the new strip can be replaced.



Normally configured is a common strip. If you are using it in a heavily oily environment, please purchase a special strip for oil resistance.

12.Work after the end of 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 disc and squeegee, and park the floor washer in a flat, dry and ventilated environment without flammable gas, liquid or chemicals.
- 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.