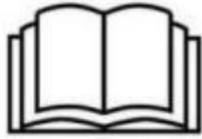


Operating Instruction



Folding Floor Scrubber

- ◆ Thank you for choosing our machine.
- ◆ Please read the manual carefully before using.
- ◆ Please keep this instruction properly for reference.



Skillful operation is good for saving.

◆————◆
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Product Introduction

Welcome to purchase and use SJ25 folding floor scrubber. The machine is small and portable, flexible steering, multi-angle flexible handle, removable design of recovery tank. It is very convenient to absorb and discharge waste water, intelligent control, suitable for all commercial environments. For example: epoxy floor, painted floor, concrete floor, ceramic tile floor, etc. In restaurants, hotels, restaurants, cafes, cinemas, leisure clubs, gymnasiums, office buildings and other small clean environment can be used freely. Waste water absorb is automatically completed while cleaning, to achieve a truly efficient and perfect cleaning effect.

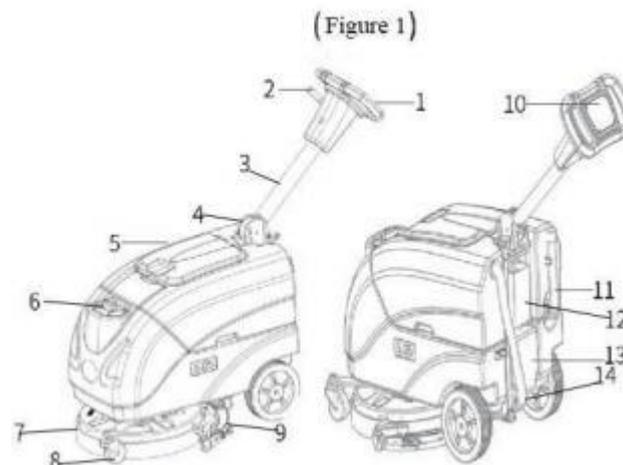
Safety regulations

1. The machine can not be used for carpet cleaning and low or high speed polishing.
2. The battery charger wire is damaged, it should be replaced immediately.
3. It is strictly forbidden to mix different types of cleaning agents, otherwise toxic gases will be generated.
4. The machine is strictly forbidden to use in explosive environment.
5. The machine is strictly forbidden to absorb flammable liquids.
6. It is strictly forbidden to use acidic solutions that can damage the machine.
7. When product maintenance, you must turn off the machine and disconnect the battery connector.
8. It is strictly forbidden to use High pressure water jet or corrosive substances to clean the machine.
9. When the machine burn, it should be immediately extinguished with dry powder extinguisher, and the use of water is strictly prohibited.

Main structure

SJ25 folding floor scrubber main structure diagram:

1. Handle
2. Angle adjustment switch
3. Angle adjustment lever
4. Angle adjustment axle
5. Recovery tank cover
6. Water inlet
7. Brush disc cover
8. Universal wheel
9. Water squeegee
10. Control panel
11. Waste water outlet pipe
12. Charger
13. Controller
14. Waste water suction pipe



Operating instructions

1. Unpack the machine, remove the machine from the tray, place it on the ground, and install the cleaning brush and water squeegee.

2. As shown in figure 1, the angle adjustment handle is adjusted to about 90° - 120°, then the recovery tank is removed. The red wire is connected to the anode electrode of the battery, and the black wire is connected to the cathode of the battery and tightened with screws, as shown in figure 3.



3. Install the recovery tank, connect the waste water suction pipe, and add an appropriate amount of aqueous detergent solution to the clean water.

4. Understand (figure 1) the functional use of each structural component on the machine and the keys of the control handle, such as (figure 2).

5. The installation of the water squeegee of the machine is completed. At this time, the water squeegee is placed flat on the ground, pulling the angle adjustment handle, adjusting the operating handle to the height that the operator is accustomed to release.

6. Before starting the machine, be sure to hold the control handle firmly, and do not stand other people near the machine. In order to avoid the swinging of the floor scrubber and injury to the surrounding people when the operation handle is not tightly gripped during the sudden start. Turn on the main switch, water suction motor, and water discharge switch on the control handle panel (as shown in Figure 2), the corresponding indicator lights will light up, and the machine will start to work.

Maintenance

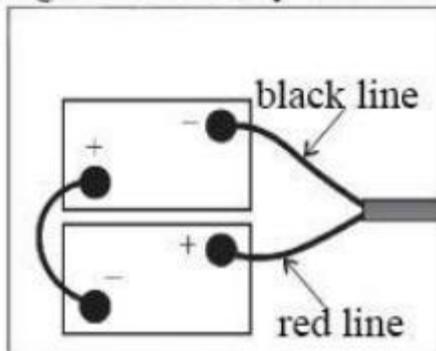
1. Although the machine is designed according to moisture resistance, under normal use, as long as water is not allowed to enter the electrical apparatus parts of the machine, there's usually no problem. When using the machine, please be careful not to let water or detergent directly into the power plug or the circuit part of the machine to prevent short circuit or electric shock.
2. Do not disassemble the machine by yourself, if you find that the motor or circuit is malfunction, please notify our company or dealer for repair.
3. Do not use excessive force on the plastic handles, Pull rod or buttons on the control handle to avoid unnecessary damage.
4. After using the machine each time, please drainage the clean water and waste water in the water tank, and then clean the recovery tank and pipe to avoid blockage.
5. Every time you use the machine, please clean the water squeegee and wipe it with a dry rag.

6. When the machine is not used for a long time, the battery should be charged regularly, otherwise it will reduce the life of the battery.

Main malfunction and solution

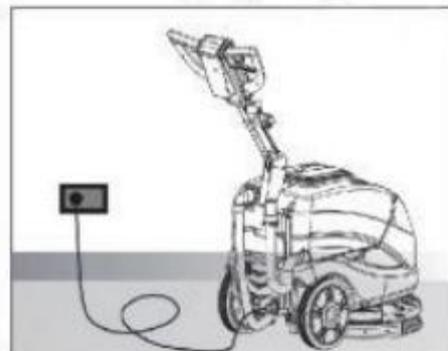
malfunction	Reason	Solution
Motor starts slowly	Poor contact of carbon brush in the motor	Check cleaning or replace carbon brush
Motor does not run	Power switch is damaged	Replace the switch
	The power cord is not connected or no power	Check whether power is supplied
The motor rotates slowly when it is working	The carbon brush in the motor is badly worn, and the contact is bad	Replace the carbon brush
Suction water motor works but does not absorb water	Check whether the pipe is blocked	Clean the recovery tank and pipe, reconnect the waste water suction pipe and seal it
	Check whether the pipe is damaged	
The motor works but the brush does not move	Wear of rotor and gear joint leads to poor contact	Replace motor rotor or gear
When the power supply voltage is normal, turn on the water drain switch but cannot drain	Drain switch damaged	Replace the drain switch
	Burnout electromagnetic valve	Replace the electromagnetic valve
	The outlet of the clean water tank is blocked	Clean up the debris in the clean water tank
The control handle cannot be adjusted	Gear rust	Check if the adjusting lever is loose, replace or repair if necessary

Diagram of battery connection



(Figure 3)

Charging diagram



(Figure 4)

Technical parameter

Total power	880W
Total current	30A
Voltage	DC 24V
Water squeegee width	580mm
Brush disc diameter	400mm
Brush disc motor power	380W
Suction motor power	500W
RPM	2000rpm
Capacity of clean water tank	25L
Capacity of recovery water tank	30L
Cleaning efficiency	1600 m ² /h
Battery	45AH*2
Battery working time	3-4h
Charging time	6-8h
Weight(without battery chargers)	50kg
Net Weight	76kg
Size	910mm*510mm*800mm

Battery maintenance and precautions

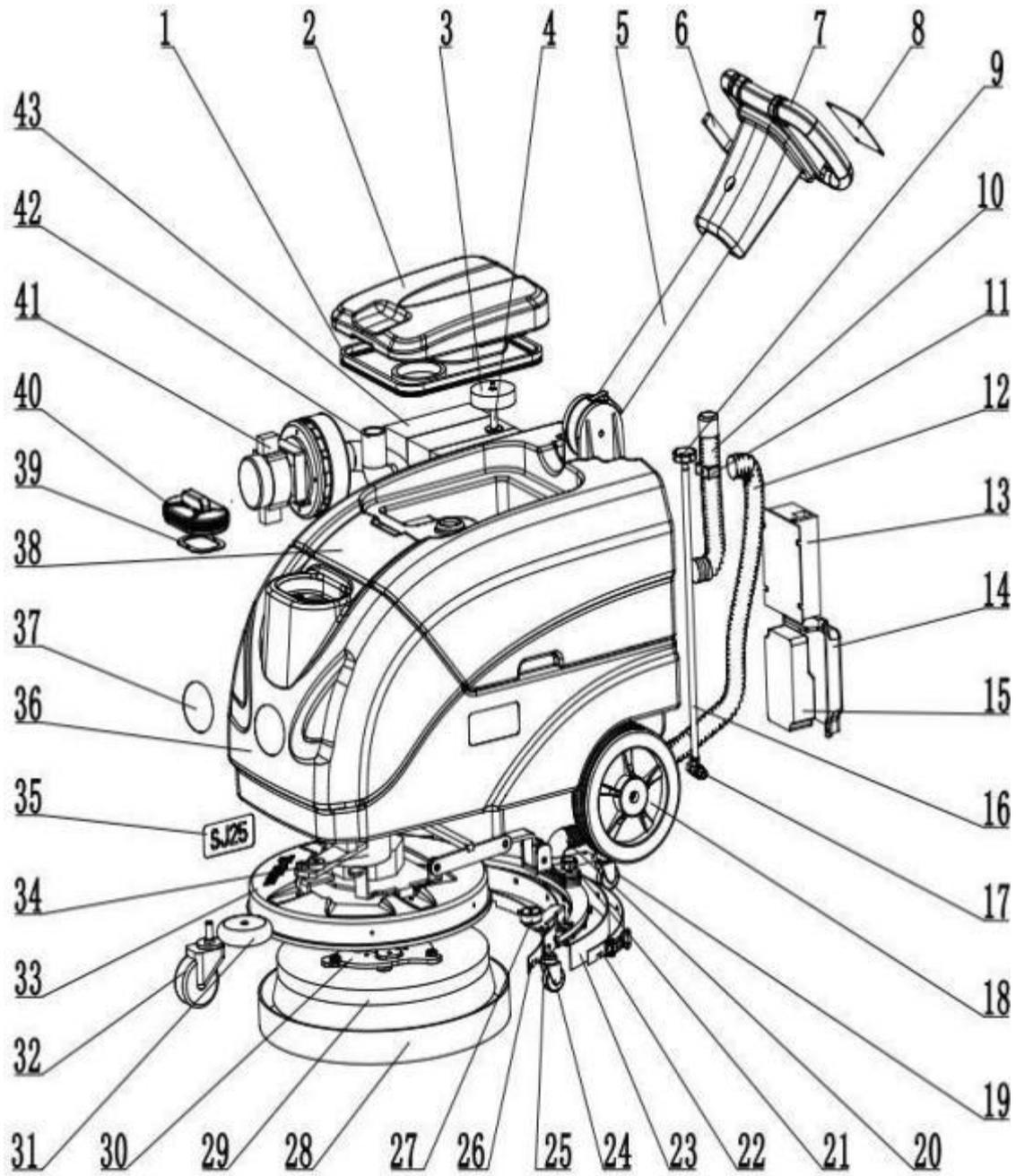
Battery maintenance

1. Do not put the battery in a completely enclosed place, it should be placed in a ventilated place.
2. In order to prolong the service life of the battery, it is necessary to charge the battery in time when it is low, and it cannot be stored for a long time under the condition of low power or zero power, otherwise the battery may be damaged.
3. The ambient temperature of the battery is allowed to be between -15°C - 50°C , but the life is longer when the temperature is between 20°C - 25°C .
4. The battery is a maintenance-free sealed battery that does not require maintenance. However, it is recommended to check the float charge voltage and ambient temperature once a month for the battery pack system under floating charge; Test and record the floating charging voltage of each battery every six months, if it finds that the deviation is large, it should be balanced charging; Conduct a capacity discharge test once a year, and note that the amount of electricity discharged during the test should not exceed 50% of the rated electricity.
5. Recycled batteries should be charged as soon as possible after discharge, otherwise recharging difficulties will occur. When the battery is left unused for a long time, at least once a year to make supplementary electricity.
6. When the battery is abnormal, such as the bottom case bursting, damage, liquid leakage, etc., should be thoroughly checked, if necessary, replace the battery.

Battery precautions

1. Do not approach sparks and flames, otherwise it will cause an explosion.
2. Keep the battery clean, use a wet rag to wipe the battery. If you use a dry rag or chemical fiber rag, static electricity will be generated due to friction, which may cause the battery to explode.
3. Do not use banana oil, ethanol, gasoline, diesel oil, or other soluble organic substances when cleaning. If used, it may cause the battery cover to crack, causing leakage, fire, or smoke.
4. Do not disassemble and dissecting battery. If sulfuric acid gets on the skin or clothing, immediately wash with clean water. If sulfuric acid splashes into the eyes, immediately rinse with water and seek medical treatment as soon as possible.
5. Wear rubber gloves and rubber boots and other protective equipment when checking and maintaining batteries or during general work to avoid electric shock.
6. Do not install the battery in any location close to the heat source.

Product exploded view



No.	Name	No.	Name	No.	Name
1	Rubber Seal Strip	17	Drain valve	33	Brush disc cover
2	Recovery tank cover	18	Big wheel	34	Brush disc motor
3	Floating ring	19	Water squeegee casters	35	Model label
4	Floating pole	20	Waste water suction pipe	36	Clean water tank
5	Angle adjustment lever	21	Nut of water squeegee	37	LOGO
6	Angle adjustment switch	22	Back-pressing of absorbent tape	38	recovery tank
7	Handle	23	Rear-absorbing strip	39	Clean water filter
8	Control panel	24	Universal wheel	40	Clean water tank cover
9	Star nut	25	Front-pressing rubber strip	41	Suction water motor
10	Waste water outlet pipe	26	Front rubber strip	42	Suction water motor connecting pipe
11	Pipe clamp	27	Anti-collision wheel	43	Battery
12	Waste water suction pipe	28	Splash-proof ring		
13	Charger	29	Brush disc		
14	Controller cover	30	Flange		
15	Controller	31	Anti-collision wheel		
16	Drain valve adjustment lever	32	Universal wheel		