

Sweeper Machine-S8



CE

CAUTION:Read The Instruction Before Using The Appliance

INDEX

一、 Overview of sweeper.....	2
1、 Dimensions of S8 sweeper.....	3
2、 S8 sweeper weight.....	3
3、 Technical parameter.....	3
4、 Switch button and component function of sweeper.....	4-6
二、 Operation of sweeper.....	7
1、 Preventive measure.....	7
2、 Operating procedures for road sweeper.....	7
3、 Operation precautions.....	7
三、 Maintenance of sweeper.....	8
四、 Daily use.....	9
1、 Main brush.....	9
2、 Side brush.....	10
3、 Dust collection and filtration.....	10
4、 Electric control and charging interface.....	11
5、 Adjustment and maintenance of main brush.....	11-12
6、 Side brush adjustment and maintenance.....	13
7、 Filter installation and replacement.....	14
五、 Daily maintenance and safe operation specification.....	14
六、 Service commitment.....	15

一、 Overview of sweeper

1、 Dimensions of S8 sweeper:

L×W×H: 2030mm×1850mm×1950mm

2、 S8 net weight: 580kg

3、 Technical parameter

- (1) Length of main brush.....800mm
- (2) Battery.....4 只 12V 100Ah 38kg
- (3) Capacity of dust collecting box.....220L
- (4) Sweeping width.....1550mm
- (5) Filtration area.....4m²
- (6) Fan speed.....3250r/min
- (7) Fan diameter.....250mm
- (8) System voltage.....48V
- (9) Main brush power.....1200W
- (10) Main brush motor speed.....800r/min
- (11) Battery operation time.....4-6h
- (12) Noise level.....<70 db

4. Functions of switch, button and parts of sweeper

(See figure1,figure2,figure3,figure4,figure5)



Figure (一)



Figure (二) Vacuum lamp



Figure (三)

1、LED Lamp 2、 Large capacity dustbin3、 Dust vibration motor

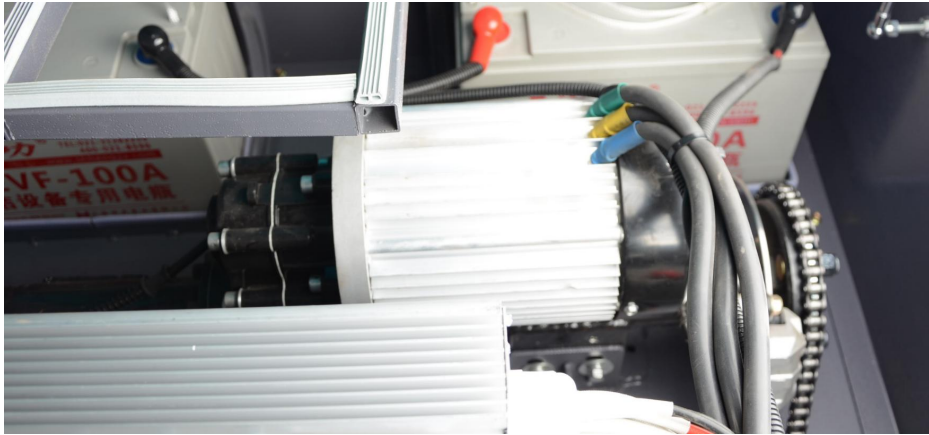


Figure (四) Drive wheel assembly



Figure (五) Side brush assembly

二、 Operation of sweeper

1、 Preventive measure

#The sweeper shall be operated by full-time personnel to avoid damage caused by operation of non full-time personnel.

#During operation, enough space should be left between the sweeper and the protruding objects on the road surface to protect the shell of the sweeper.

#In order to achieve the design purpose, please operate the equipment according to the correct technical specifications.

#The shell of the equipment is incomplete or damaged, and operation is strictly prohibited.

#Pay attention to the daily maintenance and repair of the equipment, and carry out regular maintenance;

#It is forbidden to work in inflammable and explosive environment.

#When the sweeper is working, it is strictly forbidden for the human body to touch the running parts. If it is necessary to overhaul, the power supply must be turned off.

2、 Operating procedures for road sweeper

#Check the overall appearance of the sweeper before working every day.

#Install the battery and check the battery connection line.

#For cleaning operation, insert the switch key and turn it clockwise to the open position.

#Start to work, press the cleaning key, wait for the side brush and the main brush to contact the ground, and then start to move forward to carry out the cleaning operation.

#After cleaning, press the cleaning key to the middle position, wait for the side brush and the main brush to be lifted, turn the key switch anticlockwise and remove the key.

3、 Operation precautions

#The equipment shall not be used to clean the easily wound objects such as ropes and cables.

#Every 30 minutes, turn on the electric dust vibrating system to vibrate dust for 1

minute.

#Do not clean the burning cigarette butts or other hot and burning objects.

#Do not operate the equipment for non professionals.

#The operator shall not operate the equipment under the condition of intoxication and other mental disorders.

#The operator must carefully read and follow all the procedures listed in this manual.

#Before starting the equipment, make sure there are no sundries, such as rags, tools, etc. In case of abnormal sound, please stop the machine immediately for inspection and take protective measures.

#In case of abnormal noise during operation, please stop the machine immediately for inspection and take protective measures.

#When encountering large pieces of garbage and passing through the deceleration belt during the cleaning operation, it is necessary to step down the baffle lifting pedal.

三、 Maintenance of sweeper

1. Before cleaning, repairing or replacing parts, be sure to turn off the equipment, pull out the switch key and disconnect the battery connection line.

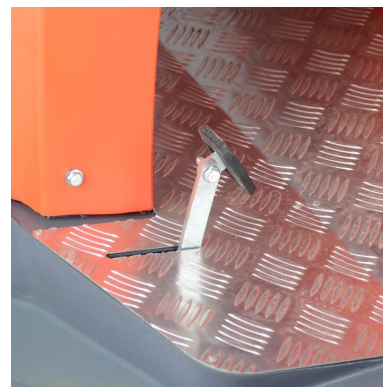
2. All maintenance, overhaul or repair work must be completed by special staff or authorized service center.



(1) power switch (2) horn button (3) forward backward switch
 (4)floor sweeping switch (5)LCD instrument assembly (6)steering



wheel



○1Electronic accelerator pedal ○2brake pedal

(一) Baffle lifting step

1、 Side brush



(三) Side brush anti-collision mechanism



(四) Side brush

4 、 Filtration



5、 Dustbin



This car adopts large area filter for high speed

Centrifugal dust collecting fan for large capacity dustbin

6、 Electric control and charging interface



The battery pack consists of three 12 volt batteries

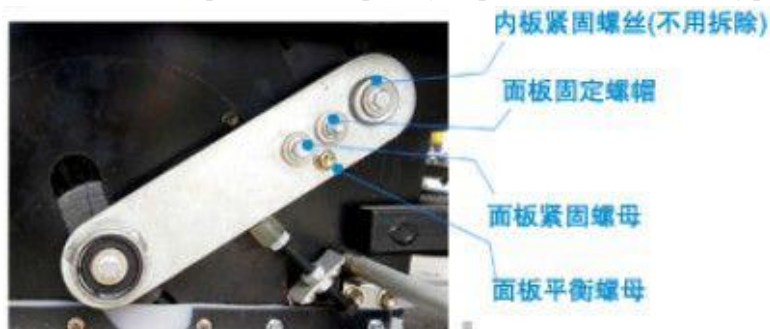
Fast charging interface

100 AH gel super power maintenance free battery pack

(五) Main brush handling and maintenance 1. Main brush handling

1) Remove the main brush lifting plate, screw down the panel fixing nut, panel fastening nut and panel balance nut, and do not use the screw when dismantling the lifting plate

At the same time, pull the inner plate, just pull out the outer lifting plate, pay attention to the balance of force;



2) Remove the sealing plate of the main brush and screw out the screws 1, 2, 3, 4 and 5 of the side sealing plate of the main brush (the screws 2 and 3 are shorter than those 1, 4 and 5, so pay attention to the length of the screws when installing)



3) Replace with a new brush. The V-shaped arrow of the main brush is toward the front of the sweeper; The direction of the main brush can not be reversed, which directly affects the sweeping effect, or even cannot be cleaned; After the installation of the main brush, the height of the main brush must be readjusted. The wire of the new brush is longer than that of the old brush. If it is not adjusted, the load of the main brush motor will be affected, the service life of the motor will be affected, and the service life of the main brush will be reduced, and the use cost of the sweeper will be increased.



4) Reassemble the disassembled parts and re install the seal plate and lifting plate of the main brush to complete the installation of the main brush.

2. Adjustment of main brush

1) Turn on the key, the main brush will be in the sweeping state after falling, and the key will be turned off and the power is cut off;

2) Check the contact clearance between the main brush and the ground, no less than 5mm;

3) Adjust the main brush adjusting screw (the screw up adjustment will increase the height of the main brush from the ground, and adjust it downward to increase the main brush wire and the ground

The friction of the surface) shall not be adjusted down more than 10 mm each time;

Note: when adjusting the main brush, the key must be pulled out to avoid the bystander from turning on the sweeper, causing accidents; When adjusting the main brush, the adjusting screw on the left and right sides must be adjusted at the same time to make it reach balance. Avoid the unbalance of the center of gravity of the main



brush, make the main brush vibrate and reduce the cleaning effect.

(六) Handling and maintenance of side brush

1. Loading and unloading of side brush

1) Screw out the screw;



2) Press the edge brush down or strike evenly;



3) Screw out the four screws on the side brush and replace the side brush tray with a new brush;



4) Replace the side brush and readjust the height of the side brush. If the friction between the new brush and the ground is too large, the service life of the side brush will be



shortened.

2.Adjustment of side brush

The side brush must be adjusted left and right to achieve balance. The friction between the brush wire and the ground should not be too large or more than 20 mm

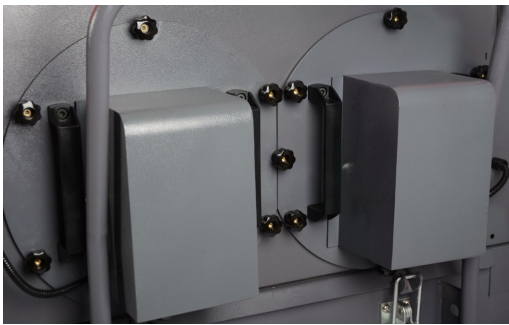
2 screw can adjust the height of side brush, the adjustment method is the same as the principle of main



brush

(七) Docking of loading and unloading position of filter element

1. Remove 6 screws and the outer baffle of filter element;



2. Loosen the six screws with a 5mm hexagonal handle;



3. Remove the sealing rubber ring and install a new filter element;



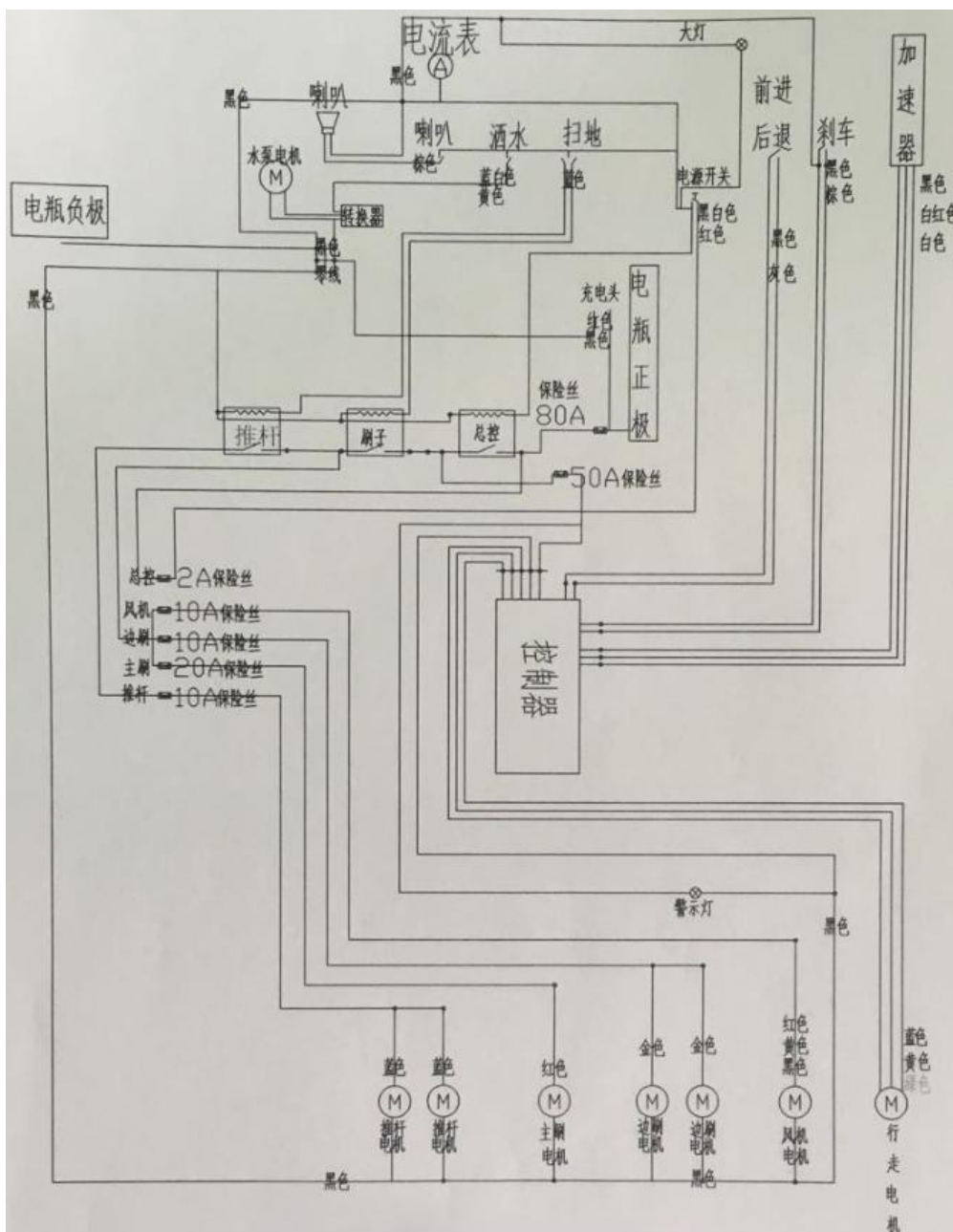
4. Install the new filter paper.



2. Maintenance of filter

High pressure gas must be used to clean the filter in time. Do not clean with water or detergent, otherwise the filter element will be damaged!!

Circuit diagram



Daily maintenance and safe operation specification

1. The maintenance of the machine must be operated by professional personnel, and there must be regular maintenance time (during the maintenance, the equipment must be stopped, the power switch must be turned off, and the battery connecting line must be disconnected)
2. In order to keep the machine in good condition, it is recommended to overhaul it once every six months; In order to ensure safety, the machine must be overhauled by professional technicians every three years.
3. Personnel in charge of operating the machine need to receive training in time and make maintenance records.

六、 Trouble shooting

Cause	Reason and solution
Turn on the key. All lights and electrical appliances will not work.	(1) 10A fuse is burnt out and replaced; (2) The key switch is broken or the connection of the switch is loose and falls off, and the key switch is strengthened or the connection is strengthened. Line; (3) Whether the battery has voltage output, charging, check the reinforced battery wiring; If the main DC contactor is broken, replace the main DC contactor. (4) The fuse of sweeping circuit burns down and replaces the fuse.
Main brush and side brush do not work	The sweep switch button is broken and the line switch is replaced. The sweeping relay is damaged and replaced. (3) Push rod motor is damaged and replaced; The main brush and side brush motors are damaged and replaced. If the DC contactor is broken, replace the DC contactor which controls sweeping floor. _The main brush belt is loose or damaged and broken. Replace the main brush belt.
Equipment doesn't walk	(1) The fuse burns down and replaces the fuse; (2) Loose wiring, check the fastening wiring; (3) If the brake travel switch is broken, replace the brake travel switch; The main switch is damaged and replaced.

	<p>_ Damage of DC contactor and replacement of DC contactor for controlling walking;</p> <p>The electronic accelerator is damaged and replaced.</p> <p>_ The controller is damaged or the line is loosened, and the controller or the fastening line are replaced.</p> <p>_ Motor burned out and replaced;</p> <p>If the walking motor is running normally, replace the gearbox gear</p>
Equipment can only enter or retreat or not retreat	<p>(1) The main switch is damaged and replaced.</p> <p>(2) Controller damage, replacement of controller</p>
Fan motor does not work	<p>(1) Carbon brushes are worn and replaced;</p> <p>(2) The fuse burns out and replaces the fuse;</p> <p>(3) The switch is broken or the wiring is loose, change the switch or fasten the wiring;</p> <p>(4) Motor burned out and replaced</p>
The dust fly when sweeping	<p>(1) The filter is blocked or damaged, periodically vibrating dust, cleaning filter element or replacing filter element;</p> <p>(2) The rubber barrier around the main brush is damaged, and the rubber barrier around the main brush is replaced.</p> <p>(3) The sealing glue of the filter element falls off and replaces or strengthens the sealing glue.</p>
Dust leaking from the back of sweeper	<p>(1) The sweeper travels too fast to reduce the speed.</p> <p>(2) The contact pressure between the brush and the ground is too small to be adjusted properly;</p> <p>(3) Damage of main brush dust-proof glue, repair and replace dust-proof glue, check normal lifting;</p> <p>(4) The brush has windings, and the windings of the brush are removed.</p>
Dust leaking from both sides of sweeper	<p>(1) Damage of baffle glue on both sides of main brush and replacement of baffle glue;</p> <p>(2) The position of the left and right brushes is offset from that of the main brushes, and proper adjustment is made.</p>
Garbage moves forward; the main brush rolls up the front baffle.	Damage and replacement of front dust shield
Brushes wear out too fast	The brush is pressed too tightly and the ground is very rough. The height of the brush is increased and the pressure between the brush and the ground is reduced.
Noise is high when the main brush works	The main brush has windings to clean up the windings
Garbage Leakage from dustbin	<p>1) The garbage leaks after the garbage bin is packed too slowly;</p> <p>(2) The sealing strip of the garbage bin falls off and is replaced;</p>
Appearance of alarm calls	Low Voltage, Please Charge in Time
The turning buzzer is silence	<p>(1) The buzzer is damaged, please replace it.</p> <p>(2) Wiring loosening and tightening</p>
The whole car vibrates too much	<p>(1) The main brush boom is out of balance, please adjust it properly.</p> <p>(2) The rear wheel brake skin is too tight to adjust the brake;</p>

	(3) The pressure of brushing on the ground is too high, so adjusting the brushing on the side can reduce the pressure of landing.
All lights are not bright.	(1) The light fuse burns out, please replace it. (2) The steering gear is burnt out, please replace it.
Uneven running of sweeper	The drive axle sensor is broken. Please replace it.
Charger display lamp is not on	Fuse burnt out. Please replace it.

七、Service promise

1. The Karler brand cleaning equipment you purchased, Shanghai Hengya promises lifelong free door-to-door fee, maintenance fee processing services (only)

Customers within 100 kilometers of the city around our headquarters or branch locations.

2. Customers in the Yangtze River Delta of East China (Jiangsu, Zhejiang and Shanghai) have pledged to provide equipment for life since the date of purchase.

Quarterly maintenance service;

3. During the warranty period (within one year from the date of purchase), the equipment has malfunction, which is more than 100 kilometers away from our company.

Customers, after-sales plan as follows:

3-1 Our company will bear the transportation cost of the damaged equipment, send the damaged equipment to our company for maintenance and repair and return to customers.

3-2 If the customer can repair by himself but lacks spare parts, our company will bear the freight of spare parts and send the new spare parts to the customer.

Households can change their own parts (within 3000 yuan can be shipped before negotiating claims). After receiving the repair of new parts, customers need to

Send the damaged parts back to our company for claim from the supplier.

3-3 Guidance due to improper manual operation or inadequate equipment supervision (not paying attention to the daily maintenance of equipment or inadequate daily maintenance)

Damage to equipment. Equipment freight and travel costs are half of each, and spare parts are charged as usual.

More than three repetitive errors

If the equipment is damaged by misleading, our company will charge the full fee or refuse to renew the insurance.

Thank you for using

Regular maintenance inspection		Interval time / Hour				
		8	40	150	500	1500
1	Belt inspection		✓			
2	Check whether the main brush is wound by ropes, etc.			✓		
3	Filter dust inspection	✓				
4	Replace filter					✓
5	Check the main brush and side brush width		✓			
6	Check battery electro-hydraulic	✓				
7	Inspection of motor brushes			✓		

Respected Users:

Hello!

Thank you for using our products. Please keep this manual properly for your reference at any time.

The following matters are formulated in accordance with safety regulations, and must be complied with in order to prevent harm. This machine can only be used for ground cleaning, in addition to the use of behavior caused by the results of self-responsibility:

Any inspection or maintenance must turn off the power switch beforehand and separate the battery connection wire;

Before using this equipment, operators must be familiar with the operation instructions and precautions, and children's operation and drunk operation are strictly prohibited.

Batteries must be kept away from sparks, flames and combustible gases and substances to prevent explosion.

When contacting the mechanical and electrical parts, we must pay attention to the safe operation.

The cleaning equipment can not be used in areas where flammable and explosive dust, liquid and gas exist.

_Battery packs must be charged in an air-conditioned room.

This equipment is recommended to use the origin