



Important Precautions

1. This model applies to swimming pool with flat floor, please refer to instruction of 3) in 5.3.2 for swimming pool with slope.
2. In order to prevent severe damage to the cleaner, never power on the unit when it is outside of the swimming pool.
3. The power cord must be connected to leakage protective device and appropriate earthed socket.
4. Do not operate the cleaner when people are in the pool.
5. Do not try to move the floaters along the electric cable. Leave them always in the original positions.
6. Before power on, make sure the cable is fully released to avoid any winding, which could affect the cleaner's performance or cause damage.
7. The filter bags should be cleaned every time you use the unit. This will prevent the dirty filter bags affecting the normal operation of the cleaner.
8. The cleaner should be stored in a cool and ventilated place, away from direct sunlight, when not in use.
9. The power supply unit should be placed in a shaded area. In order to avoid overheating and the potential damage of components, never cover the power supply unit.
10. Only authorized after sales service personnel should open the cleaner's motor assembly and power supply unit, otherwise the warranty will be invalidated.
11. In order to avoid any accident/damage, the power supply unit should be steadily placed and fixed at a minimum distance of 3.5m from the pool edge.
12. Do not use the cleaner beyond the working environment/conditions stated in this manual.
13. Do not uncover the protective film which is stucked on the operating panel.
14. Close the filtering system of your pool when use this cleaner.
15. A piece of brush is installed on the bottom of the cleaner, please take it off in case it does not fit your pool floor.

17. Appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

18. Children being supervised not to play with appliance

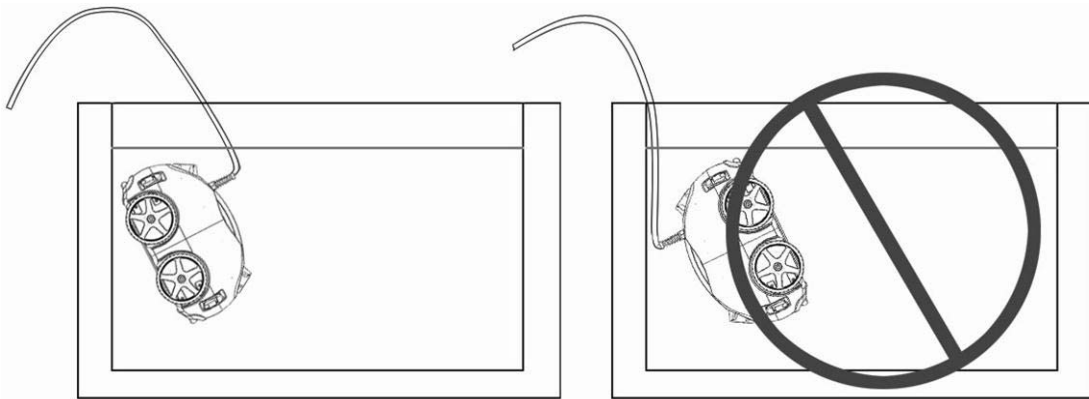
19. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

20. Pollution of the liquid could occur due to leakage of lubricants.

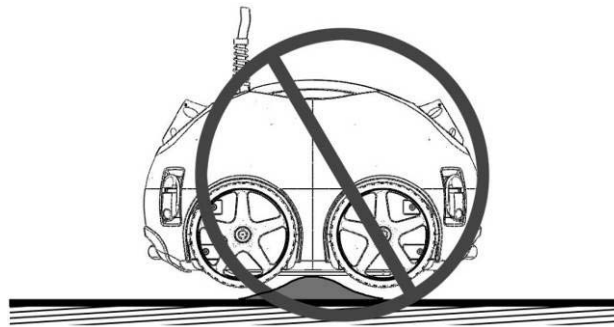
21. The pump must be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA.

Note

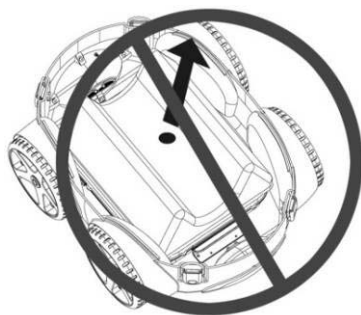
1. Putting into or lifting out from pool with the cleaner bottom toward the wall to avoid any possible scratch to the pool surface.



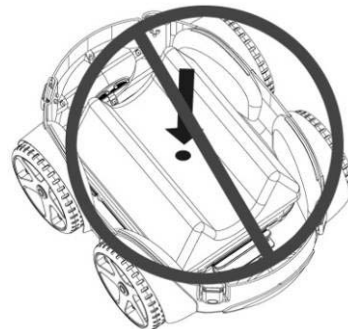
2. Please store the cleaner in flat place, the cleaner body should not touch any hard article to avoid possible damage.



3. Do not press into or lift out the filter cartridge when install or take off it to avoid any damage to the chassis.



Do not lift both sides of the filter cartridge at the same time



Do not lift both sides of the cartridge at the same time.

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I . Introduction:

The automatic swimming pool floor cleaner HJ1009M is a new type of highly efficient swimming pool cleaning equipment with remote control and brush. It can clean the pool floor automatically without draining pool water. At the same time, it filters the pool water and gets rid of suspended particles and sediments. For safe operation, the cleaner works on 24V direct current.

Please read this instruction manual carefully before use.

II . Safety:

- 1, Position requirement of power supply unit: Refer to item 9 and 11 in "Important Precautions".
- 2, Requirement of power: Refer to item 3 in "Important Precautions".

⚠ Before connecting the cleaner to power, please check that the local voltage and frequency (hertz) correspond to that of the power supply unit.

III. Specifications:

1. Rated input voltage and frequency: 220V/50Hz or 110V/60Hz
2. Output Voltage: DC24V
3. Rated input and output power: 150W/135W or 200W/170W
4. Working cycle: 1h/1.5h/2h/2.5h
5. Cable length: 13m
6. Maximum cleaning area: 100m²
7. Filtering capacity: 18m³/h
8. Filtering capability: 150μm
9. Water temperature of use: 10°C - 35°C
10. Creeping speed: 15-30m/min
11. IP Grade: Cleaner-IP68 Power supply unit-IPX4
12. Working temperature: 10°C - 40°C
13. Pool depth: 2.5m
14. Climb slope: upto 40°

IV. Cleaner Structure

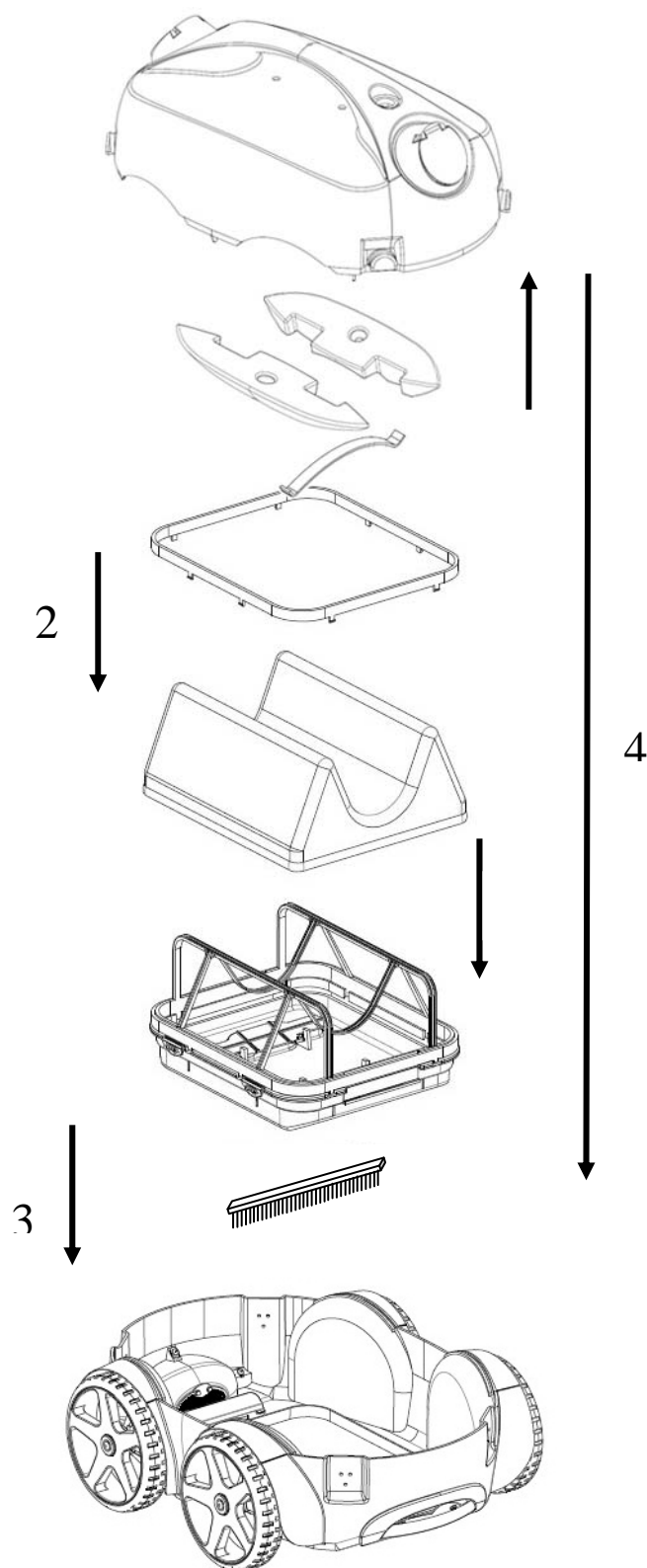


Fig.4-1

Assembly the cleaner according to above structure

V. Operation Instruction

5.1 Cable connection

5.1.1 Plug the cable line into the socket on the power supply unit (note: make sure to plug it in the correct direction and position), and fasten the nuts on both sides of the plug.

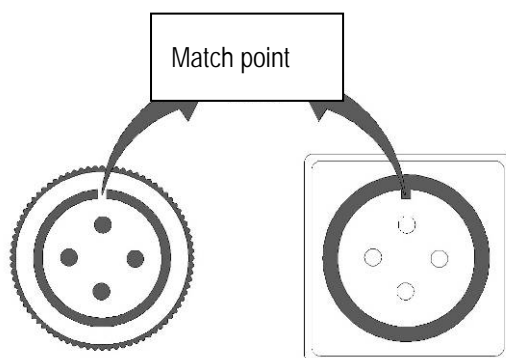


Fig. 5-1

5.1.2 Connect the plug with power



Fig.5-2

5.2 Operation

5.2.1 Panel

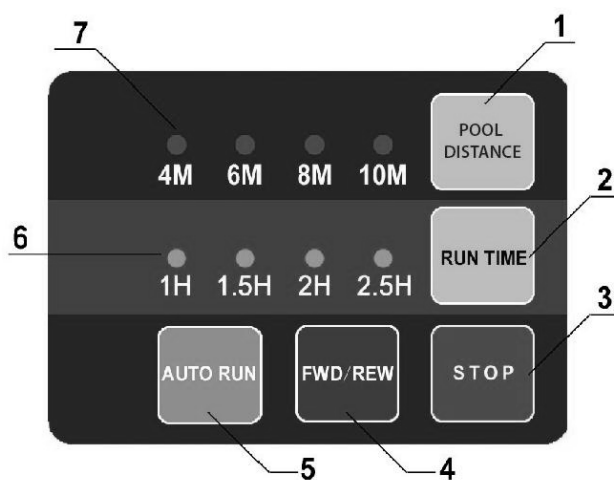


Fig.5-3

Chart 5-1. Buttons & indicator lights instructions

Item	Name	Specification	Function
1	POOL DISTANCE	Pool distance selection button	Select based on pool width
2	RUN TIME	Auto running time selection button	
3	STOP	Stop button	
4	FWD/REW	Manual forward/backward button	To move the cleaner to a certain location
5	AUTO RUN	Automatic working button	Cleaner starts running in automatic program
6		Automatic working time indicator light	
7		Pool width indicator light	

5.2.2 Remote control

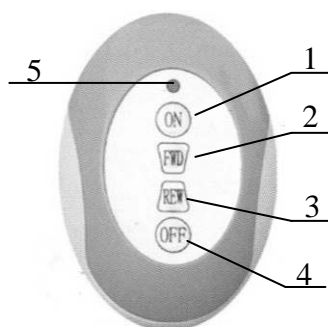


Fig. 5-4

Item	Name	Instruction	Function
1	ON	Automatic working button	Cleaner starts running in automatic program
2	FWD	Manual forward	Cleaner moves forward
3	REW	Manual backward	Cleaner moves backward
4	OFF	Switch off	Cleaner stop working
5		Button indicator light	

5.3 Function and adjustment of nozzle

There are two nozzles on the cleaner (as shown in Fig.5.4), one of them opens once the other closes. Water flows out through the opening nozzle to thrust the cleaner move forward. Operator can adjust the nozzle direction through rotating it by which to control the moving path of the cleaner.

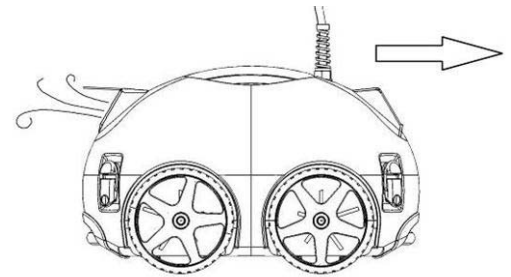


Fig. 5-5

5.3.1 Setting of nozzle, speed and moving path

5.3.1.1 In general, there will be better cleaning effect under a slower moving speed.

There is less cable twists occur when cleaner moves at bigger curvature radius and below instruction is helpful for a proper setting.

5.3.1.2 Overlay of the cleaner' s moving paths at different position of the nozzle

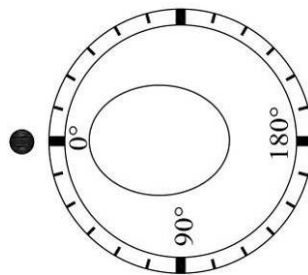


Fig. 5-6

Moving at slow speed (●On nozzle 90° ----180°)

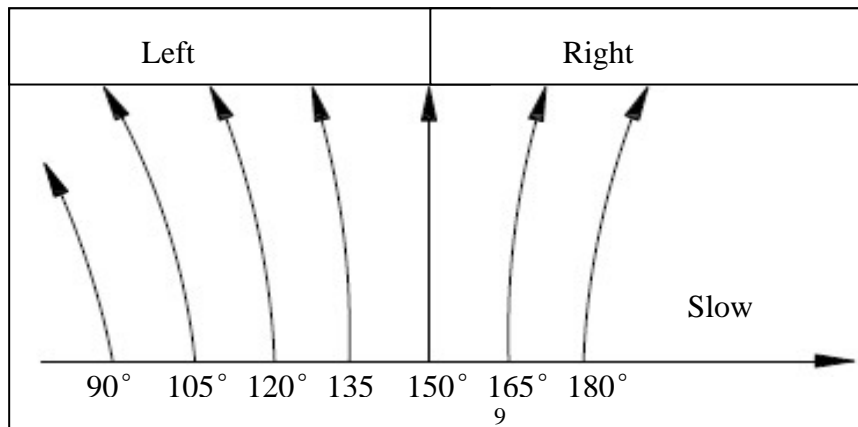


Fig. 5-7

Moving at fast speed (● On nozzle 0° ----90°)

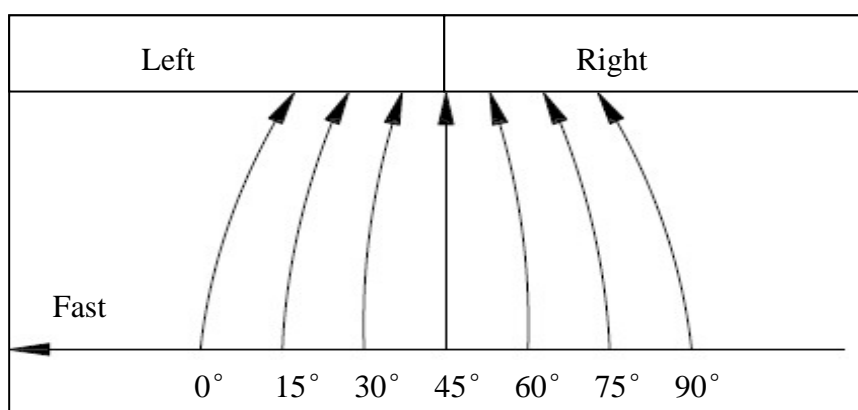


Fig. 5-8

Operator can select a proper nozzle position for different pools, for example, chose slow speed which leads to big moving radian for pools with flat floor by putting the symble ● points at 135° (cleaner moves toward left), or points at 165° (cleaner moves toward right)

5.3.1.3 : Settings of nozzle

In most cases, put both of the nozzles at same direction will fit for any shape of pools.

A radius path and a direct path will happen by alternation if one nozzle is at 120° and the other is at 150° by which will leads to dense coverage of the pool and is helpful for release any possible cable twist.

5.3.1.4 : Setting of distance

The actual moving distance of the cleaner will be based on the nozzle position and pool floor shape, so please chose a proper pool distance on the operating panel based on your pool size.

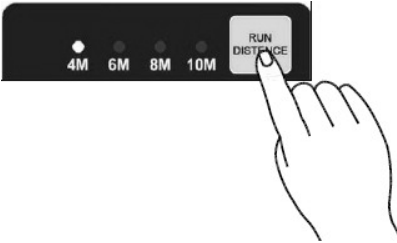
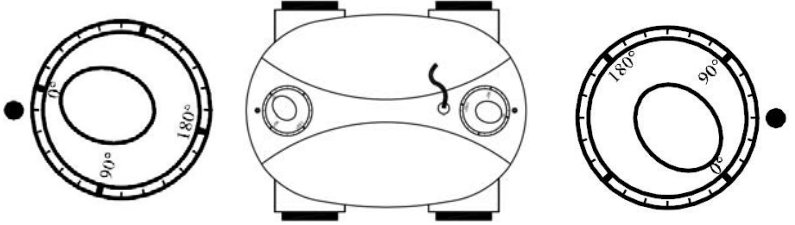
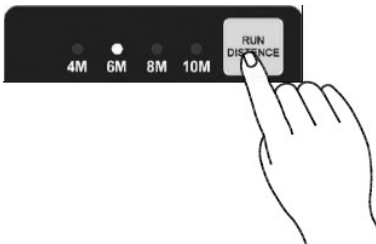
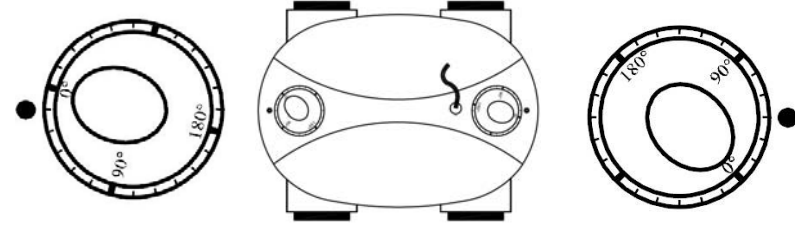
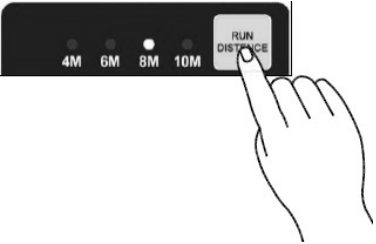
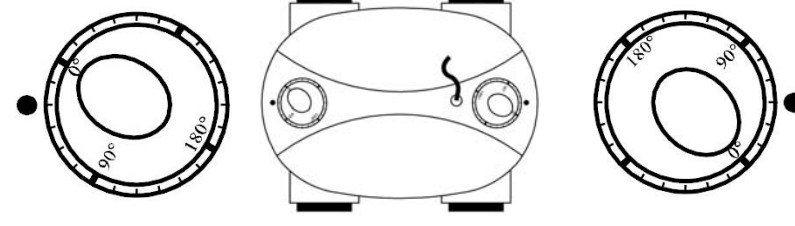
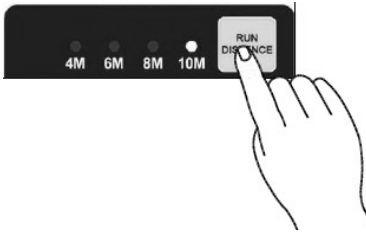
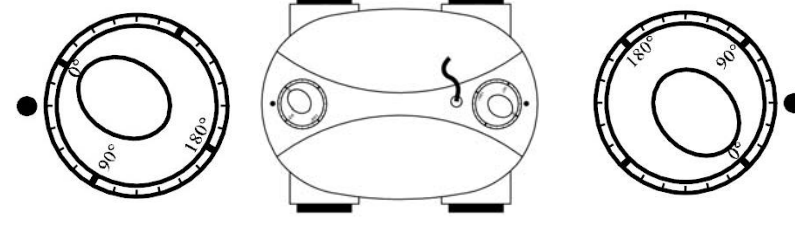
5.3.1.5 : Setting for pools with slope

Put the nozzle at a position of fast speed so as to climb slope by enhancing water flow of the cleaner. (See scheme of moving at fast speed).

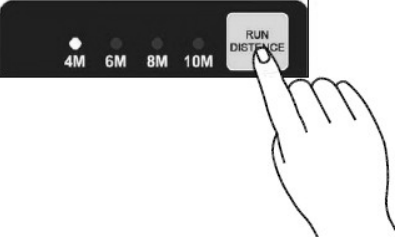
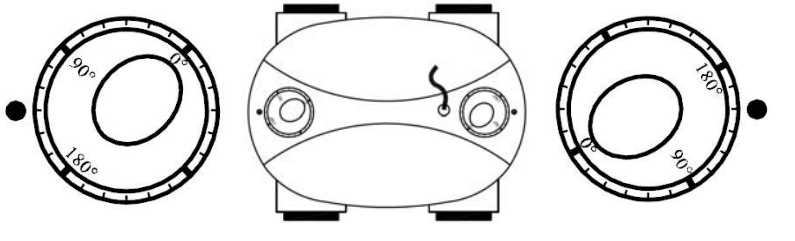
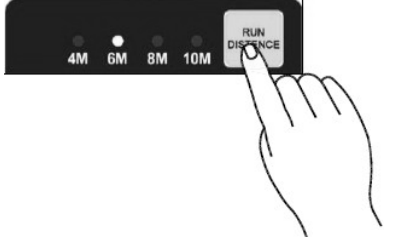
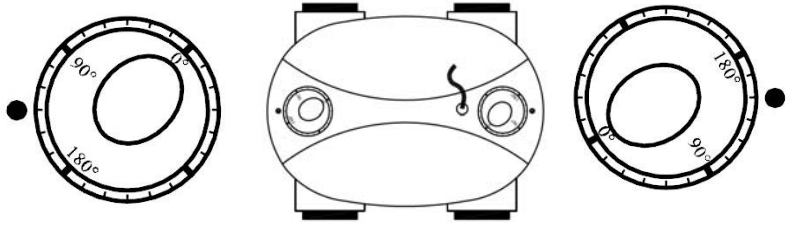
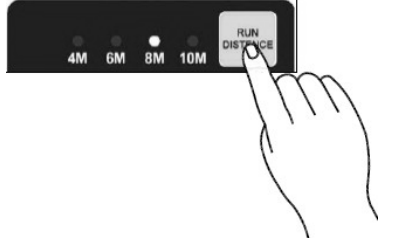
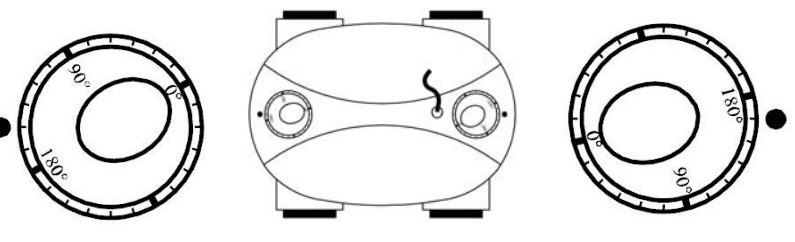
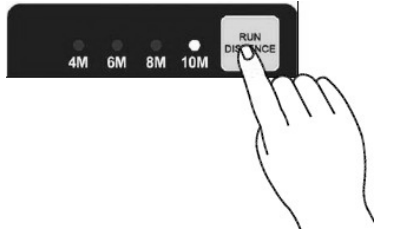
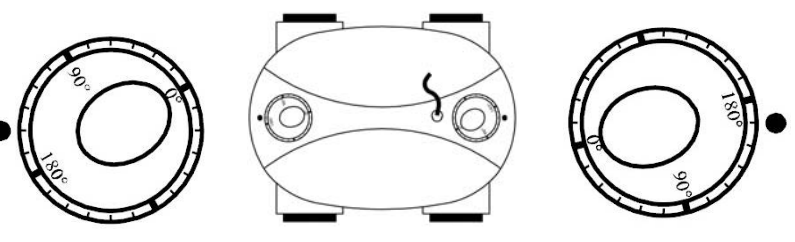
Note: A full coverage is not guaranteed for some of customized pool shapes, while you can adjust the nozzle direction to reduce the moving curvature radius even this means to cause cable twist more often.

5.3.2 Recommended nozzle direction:

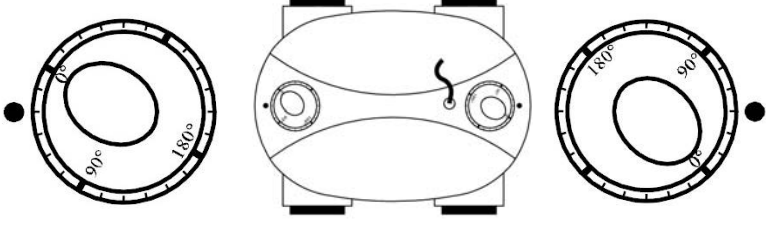
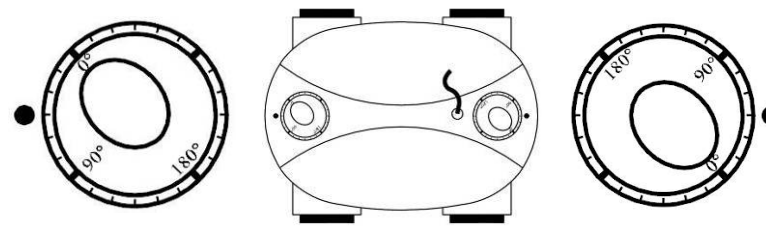
1) Direction at which cleaner moves faster

Pool distance	Sketch map
	
	
	
	

2) Direction at which cleaner moves slower

Pool distance	Sketch map
	
	
	
	

3) Pool with slope floor

Pool distance	Sketch map
Select according to pool size	
Select according to pool size	

Note: The above are recommending settings and operator can select a proper nozzle direction based on above principle actual pool situation.

5.4 Methods of putting the cleaner into pool

Hold a proper position of the cable by one hand (be sure that the cable from hand to cleaner will let the cleaner immerges into water but above the floor), hold the cleaner handle by the other hand to put the cleaner into water slowly.

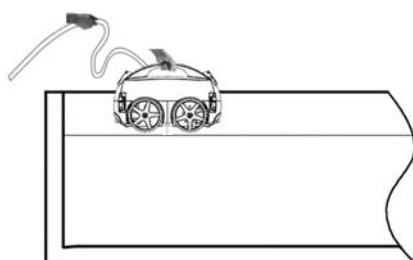


Fig. 5-9

Keep holding the cable before the cleaner filled with water and sinks into pool floor.

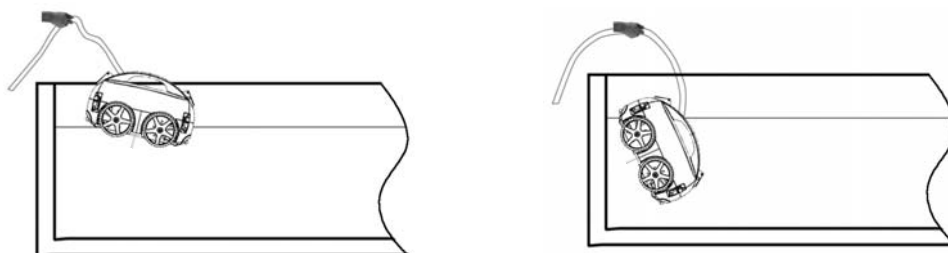


Fig. 5-10

Release the rest of the cable after the cleaner falls onto the pool floor slowly.

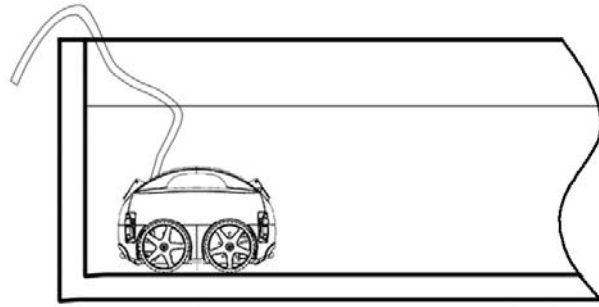


Fig. 5-11

It'll avoid any turning upside down of the cleaner by following above methods.

5.5 Cleaning the filter bag

Unfold the retaining ring and open the cleaner

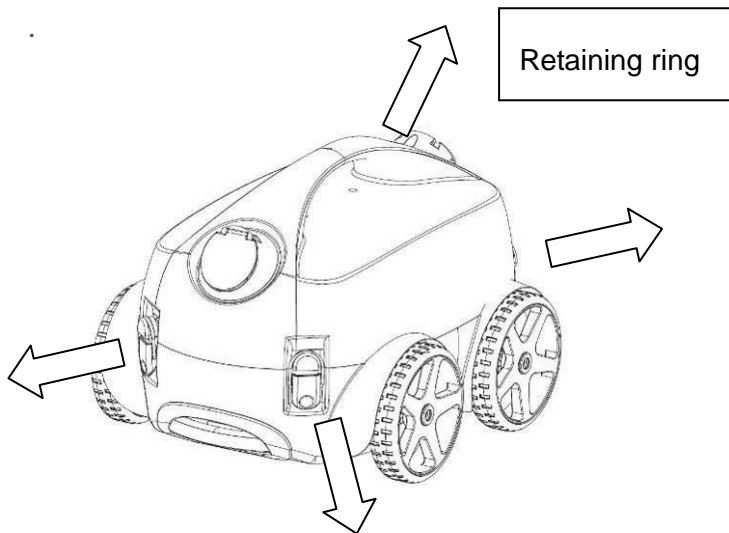


Fig. 5-12

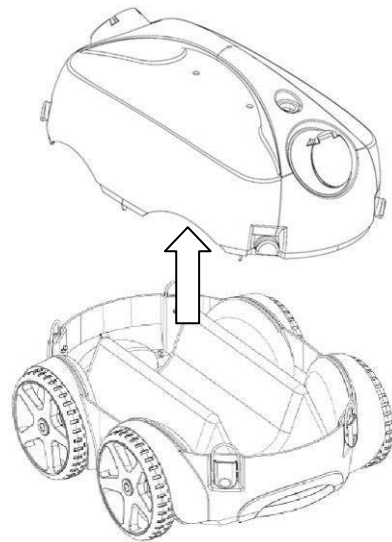


Fig. 5-13

Press the buckle of one side as well as lift the filter cartridge

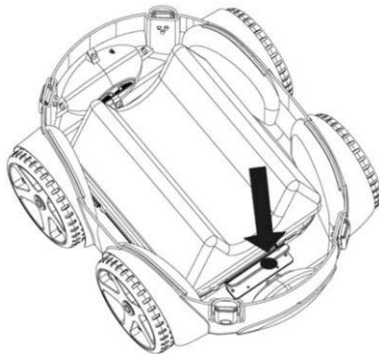


Fig. 5-14

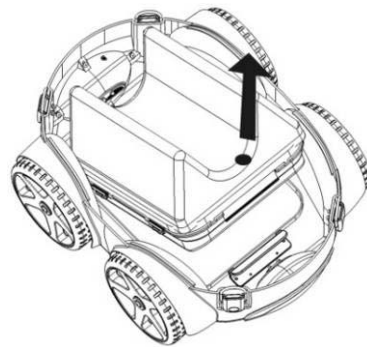


Fig. 5-15

Take off the filter cartridge

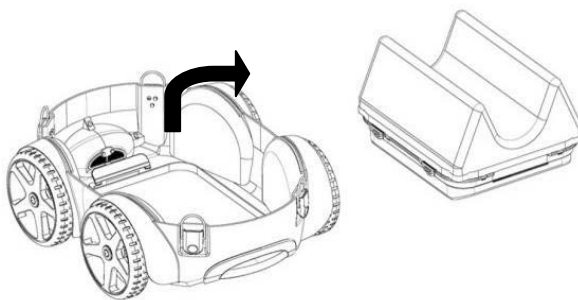


Fig. 5-16

Open the small buckle and take off the filter bag to wash



Fig. 5-17



Fig. 5-18

Reinstall the filter cartridge

Put on the filter bag

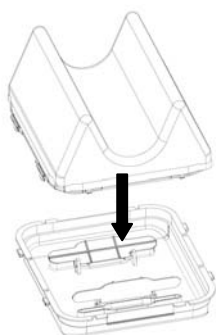


Fig. 5-19

Insert one side of the filter cartridge into the buckl

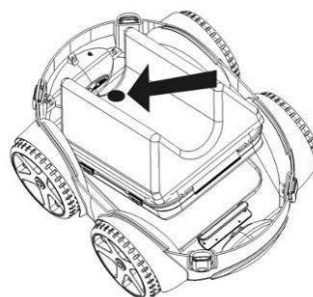


Fig. 5-20

Press the buckle of the other side as well as put the filter cartridge in position

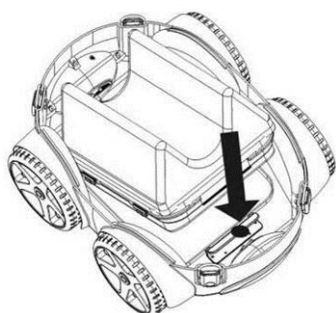


图 5-21

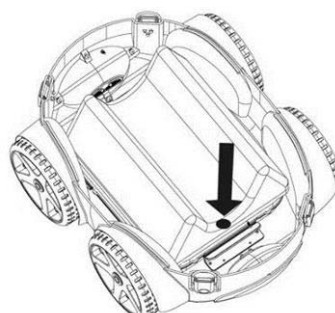


图 5-22

5.6 Replacing filter bag

Please use new filter bag in case broken as structure bellow

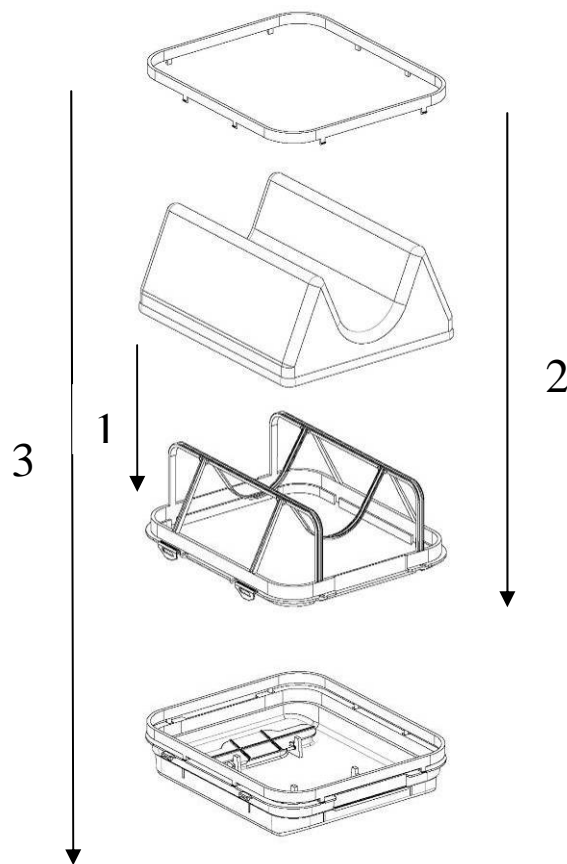


Fig. 5-23

5.7 Floater installation

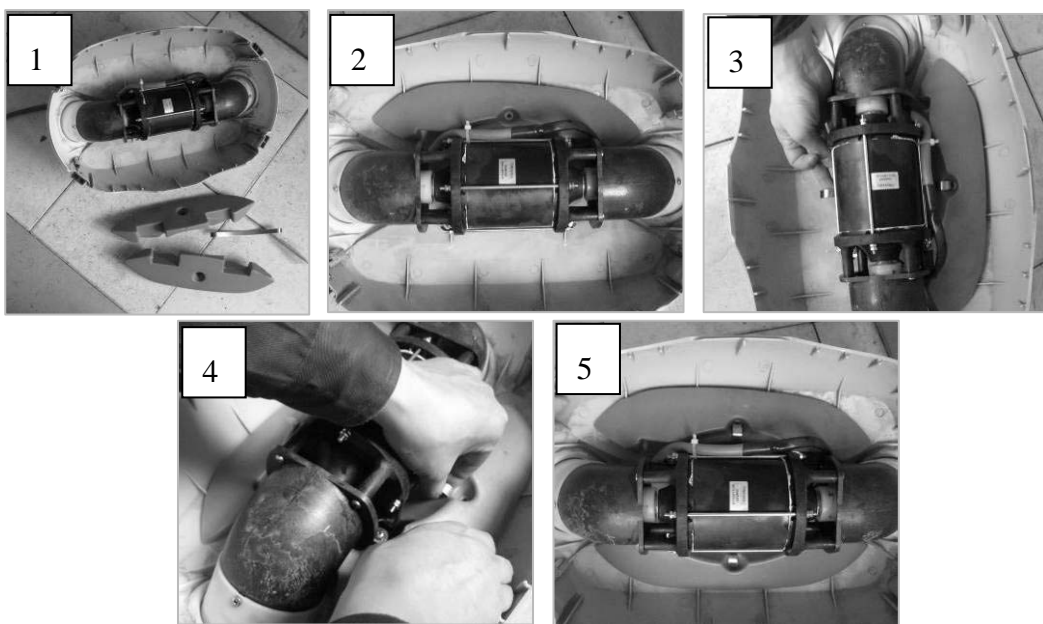
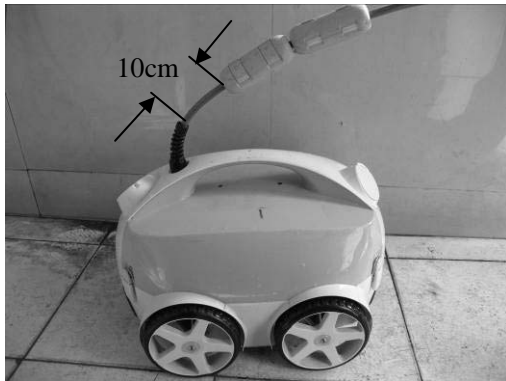


Fig. 5-24

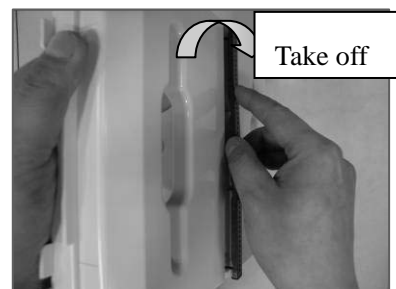
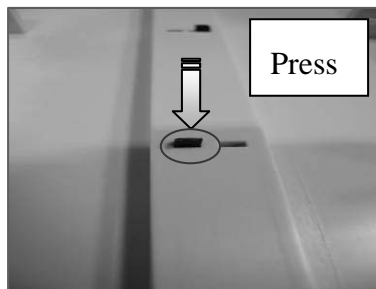
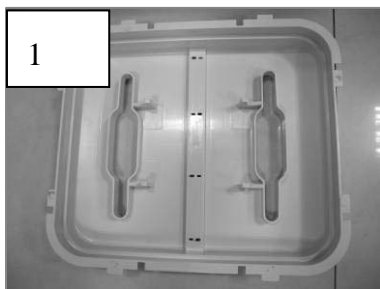
5.8 Top floater

In order to have a better performance of climbing slope , please assemble 1-2 pcs of top floater 10cm above the protective tube of the cable.



5.9 Brush

Dissemble: Press the 4pcs of buttons (Photo 1, 2), then take off the brush (Photo 3)



Assemble: Press the 4pcs of buttons into the filter plate correctly.

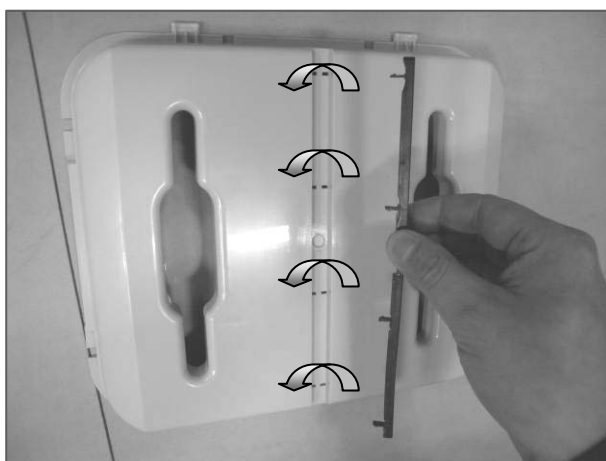


Photo 1

Note: Assemble and dissemble tenderly to avoid and damage to the brush.

5.10 Helpful tips

- i. Unplug power connection immediately after use (Do not do it with wet hand or naked foot).
- ii. The cleaner should not touch pool walls while lifting out to avoid scratching the pool surface or any damage to the cleaner.
- iii. Before lifting out from pool and placing on the pool edge, suspend the cleaner above water surface for 10-15 seconds to release the water left inside the cleaner body.
- iv. Please hold the cleaner handle to lift it out from pool and never pull the cable.

VI. Trouble Shooting

Symptom	Possible reason	Corrective action
Cable twists or coils up	Cable not fully released	Unplug power line and release cable
	Nozzle in extra angle	Adjust water outlet into proper angle
	Obstruction in pool	Remove obstruction in pool
	Stuck on main drain outlet of the pool	Turn off pool filter system
	Long time working	Release manually
Cleaner does not reach all pool area	Power supply unit improperly positioned	Place power supply in proper position so that cleaner can reach all area
	Nozzle in improper direction	Adjust nozzle into proper direction
	Customized pool shape	Adjust the nozzle to lead to bigger moving radius
	Pool filter system and pump open	Turn off pool filter system
	Cable not long enough in pool	Release cable
Cleaner does not work	Power cord not connected well	Plug power cord and cable line
	Damaged during transportation	Contact local vendor
	Cleaner does not match local rated voltage	Contact local vendor

VII. Packing List

Item	Name	Model	Quantity (pc)	Usage	Remarks
1	Cleaner	HJ1009M	1		In carton
2	Power supply unit	HJ1009M	1		In carton
3	Remote control	HJ1009M-RC	1		In plastic bag
4	Safe rope		1		In plastic bag
5	Top floater		2		In plastic bag
6	Brush	HJ1009M	1		In plastic bag
7	Brush holder	HJ1009M	2		In plastic bag
6	Manual & certificate		1		In plastic bag

VIII. Warranty

This product has passed all quality control and safety tests, conducted by the technical department of the factory

Warranty information:

1. Warranty period is 2 years and is settled in accordance with the terms established by Directive 1999/44/EC of 25th of May regarding guarantees on the sale of consumer goods as well as the local law in the Country of Purchase within the European Union.
2. This warranty is void if the product has been altered, misused, or has been repaired by unauthorized personnel.
3. The warranty extends only to manufacturing defects and does not cover any damage resulting from mishandling of the product by the owner
4. The sales invoice must be presented for any claim or repair during the warranty period

Please contact your local dealer for any warranty issues.



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.