

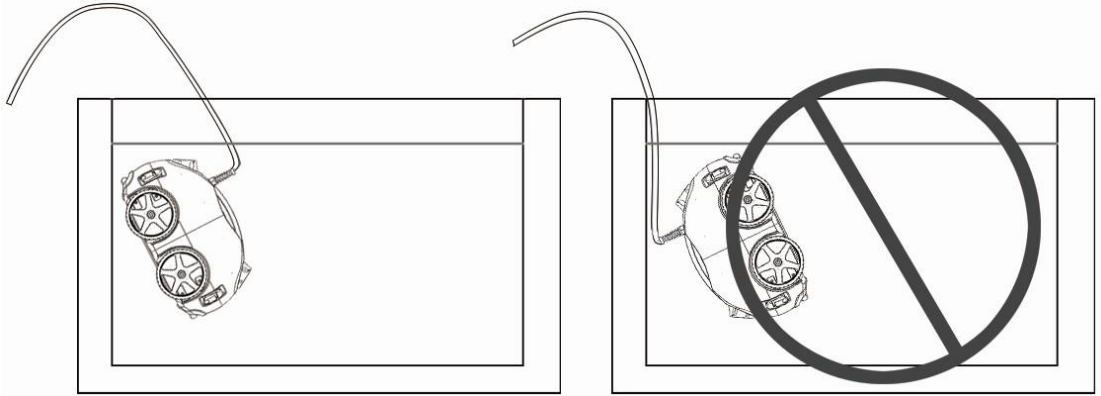


Important Precautions

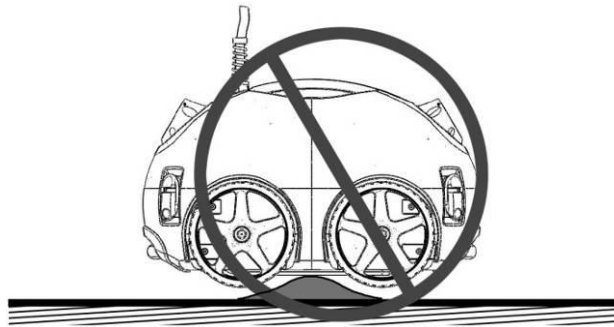
1. This model mainly applies to swimming pool with flat floor; please refer to instruction of 3) in 5.3.2 for swimming pool with slope.
2. In order to prevent severe damage to the cleaner, never power on the unit when it is outside of the swimming pool.
3. The power cord must be connected to leakage 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 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.

Note

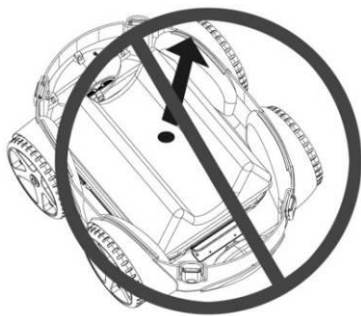
1. Putting into or lifting out from pool with the cleaner bottom toward the wall to avoid any possible scratch to the pool surface.



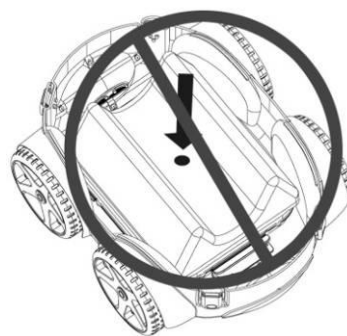
2. Please store the cleaner in flat place, the cleaner body should not touch any hard article to avoid possible damage.



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 HJ1009 is a new type of highly efficient swimming pool cleaning equipment. Through its advanced computer controlled program, 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
2. Output Voltage: DC24V
3. Rated input and output power: 150W/120W
4. Working cycle: 1h/1.5h/2h/2.5h
5. Cable length: 13m
6. Maximum cleaning area: 150m²
7. Filtering capacity: 15m³/h
8. Filtering capability: 150µm
9. Water temperature of use: 10°C - 35°C
10. Creeping speed: 15-18m/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: up to 25°

IV. Cleaner Structure

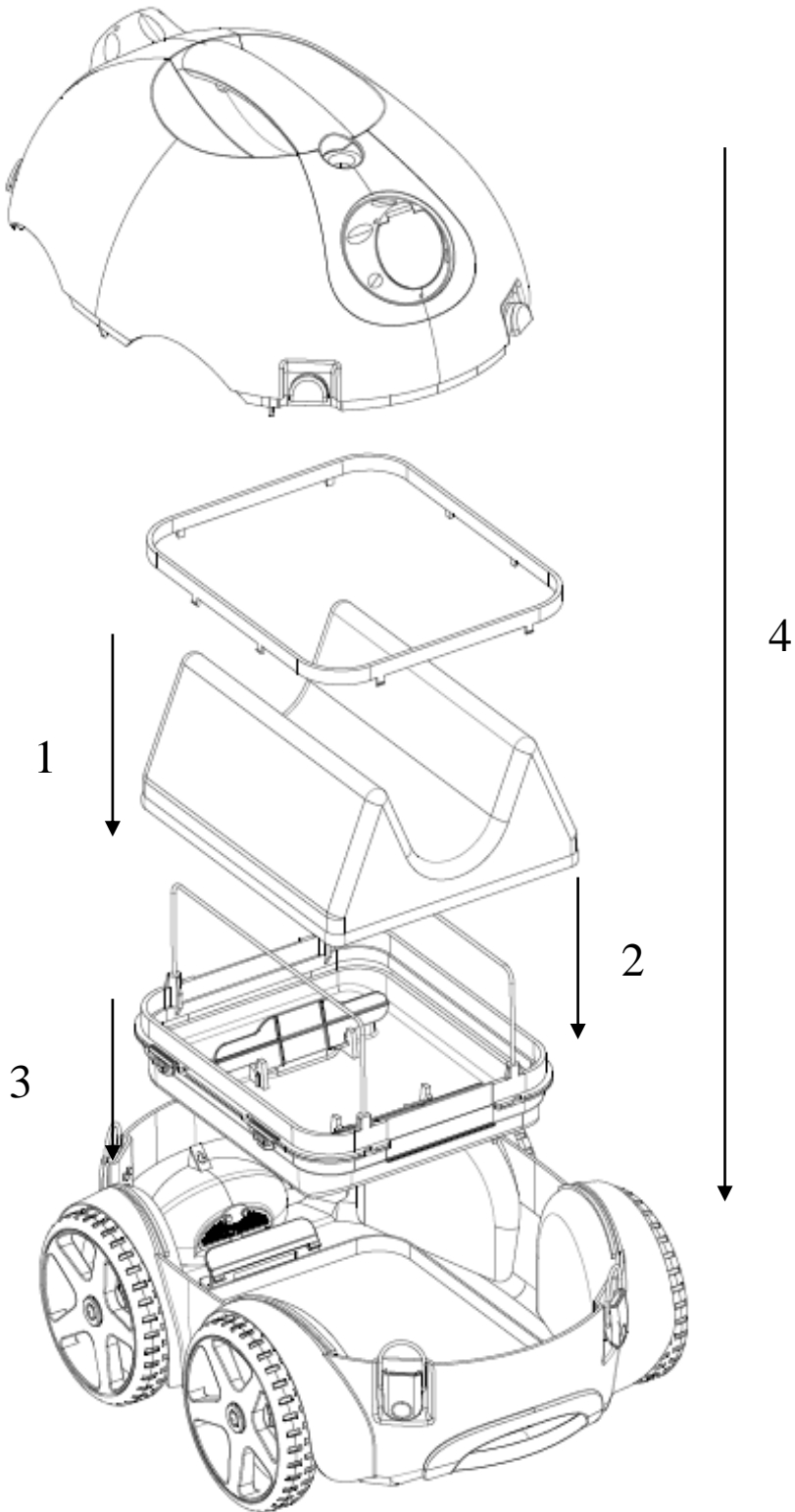


Fig.4-1

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.

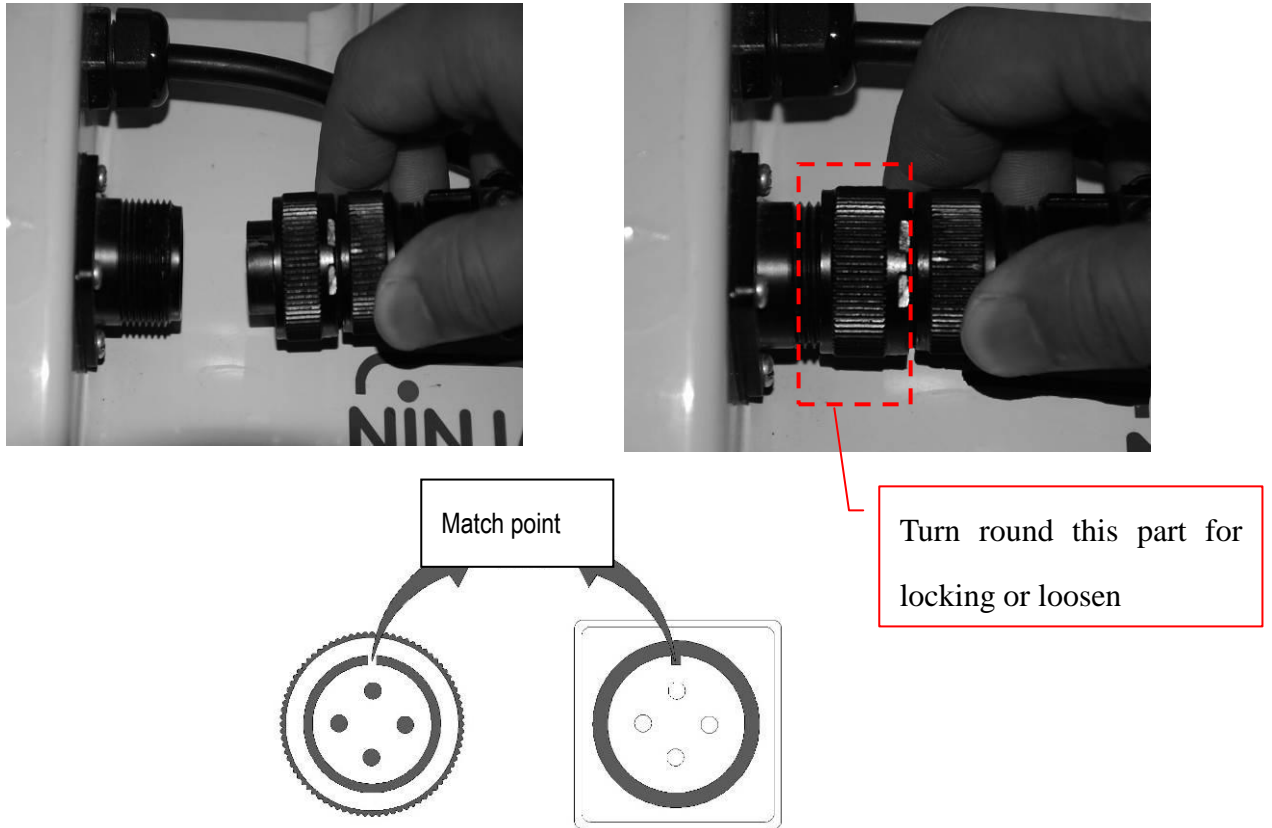


Fig. 5-1

5.1.2 Connect the plug with power



Fig.5-2

5.2 Panel operation

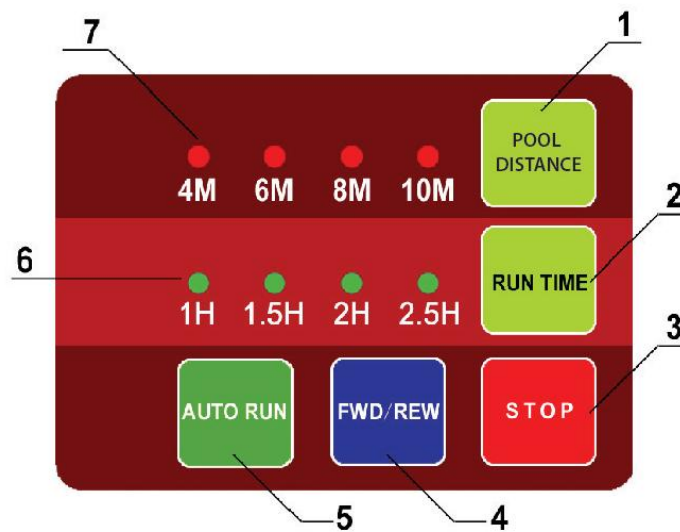


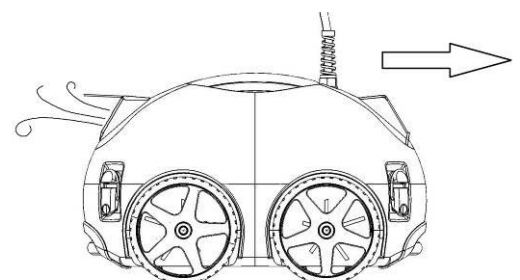
Fig.5-3

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	

5.3 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



7 Fig. 5-4

moving path of the cleaner..

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

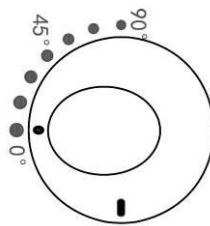


Fig. 5-5

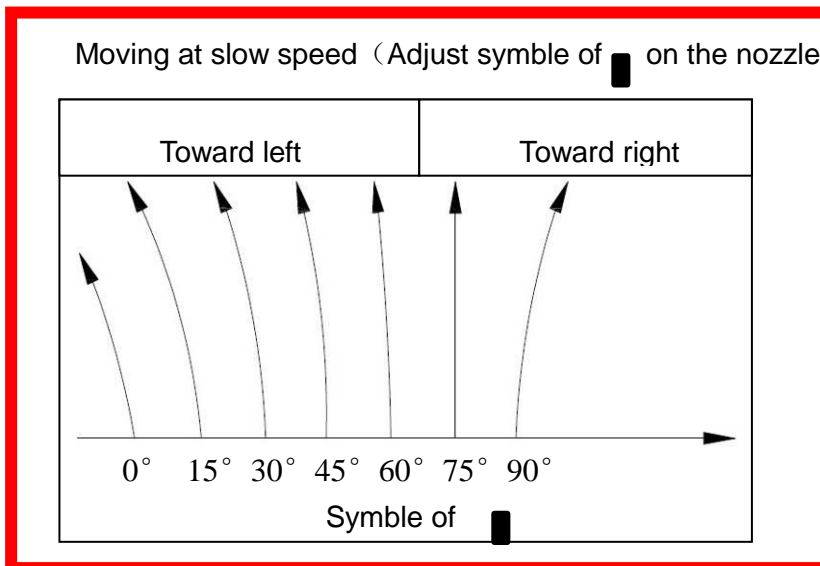


Fig. 5-6

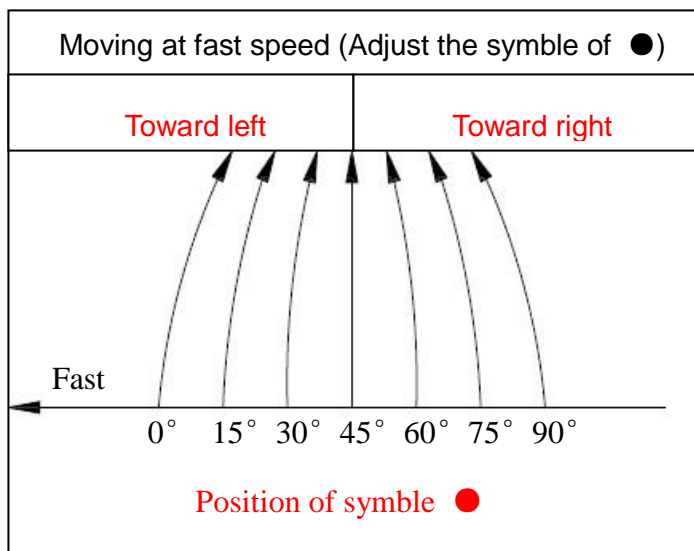


Fig.5-7

Operator can select a proper nozzle position for different pools, for example, chose slow speed which leads to big moving radian by putting the symble \odot points at 45° (cleaner moves toward left), or points at 75° (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 shap of pools.

A radius path and a direct path will happen by alternation if one nozzle is at 30° and the other is at 60° 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

Chose a proper pool distance on the operating panel based on your pool size.

Suggest to chose a longer distance if you put the nozzle at direction of low speed or there is slope in your pool, for example, the pool width is 6m, then suggest to chose 8m or 10m if the cleaner moves in low program.

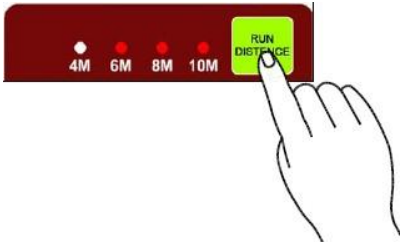
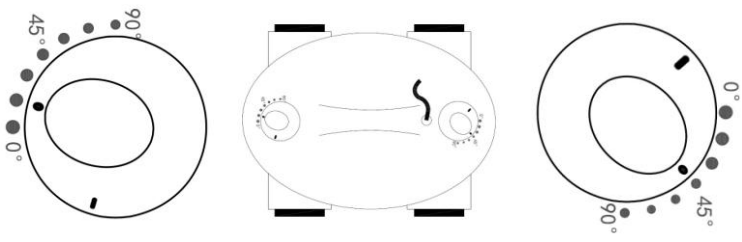
5.3.1.5 : Setting for pools with slope

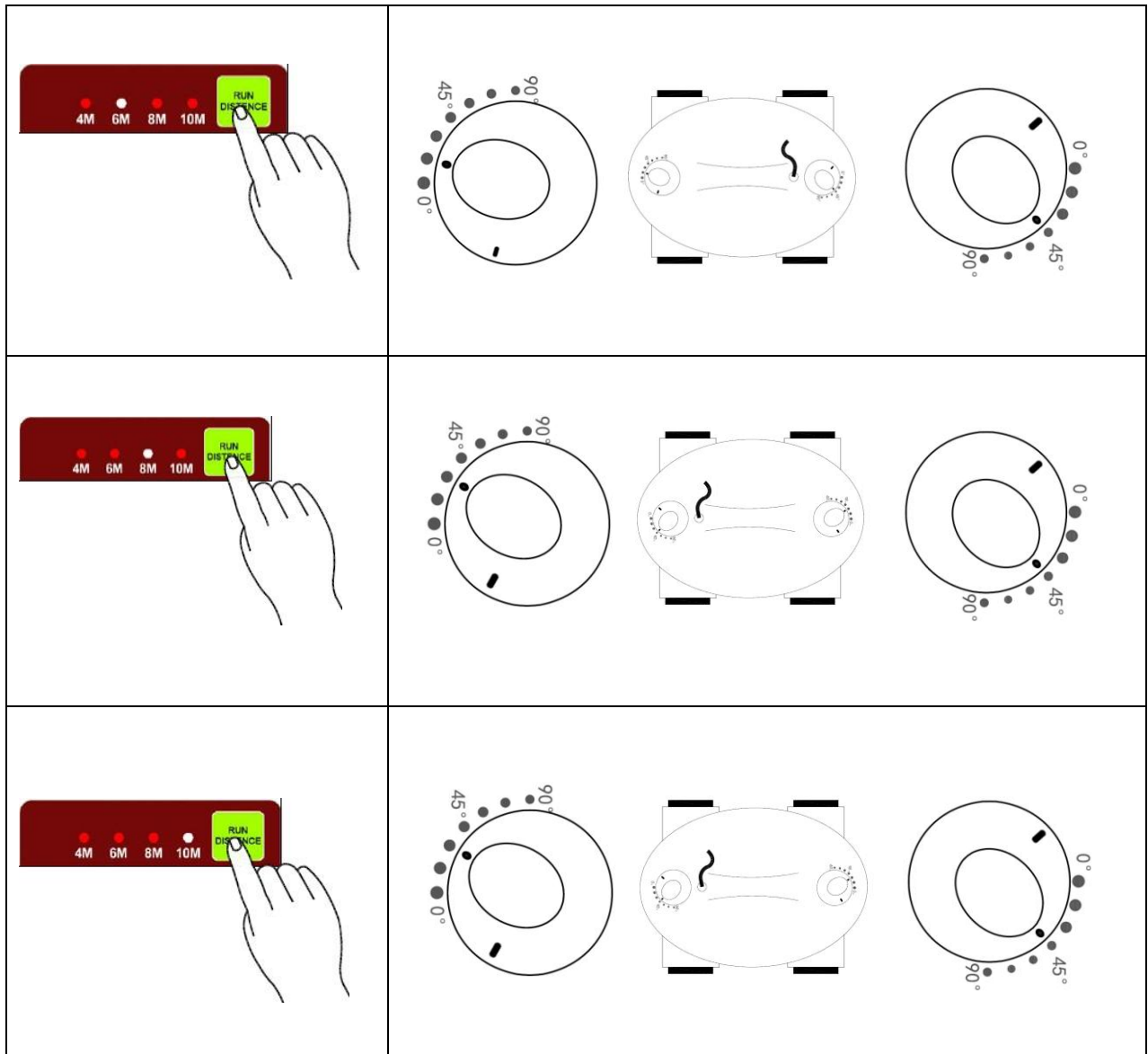
Put the nozzle at a position of fast speed so as to climb slope by enhancing water flow of the cleaner. (See scheme of moving at fast speed).

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.

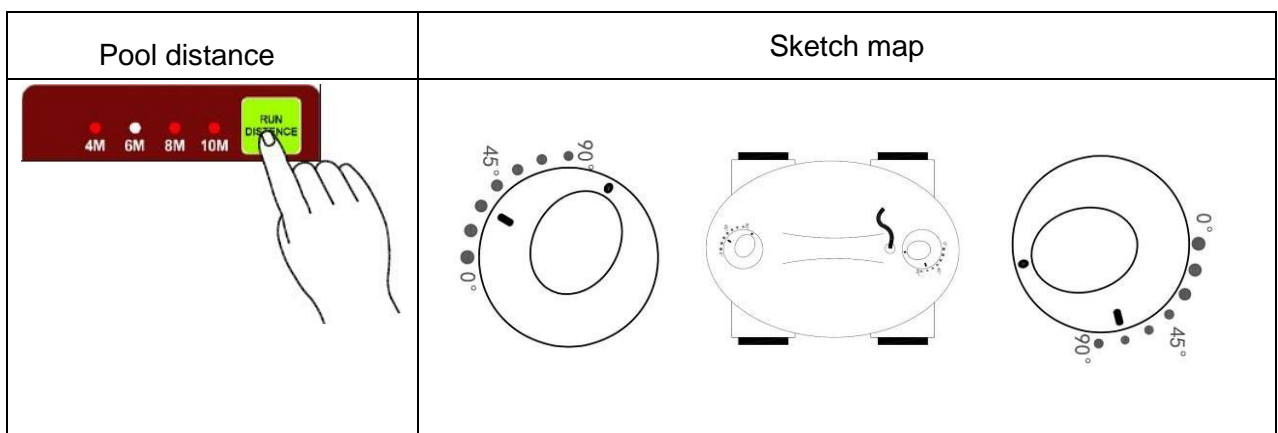
5.3.2 Recommended nozzle direction:

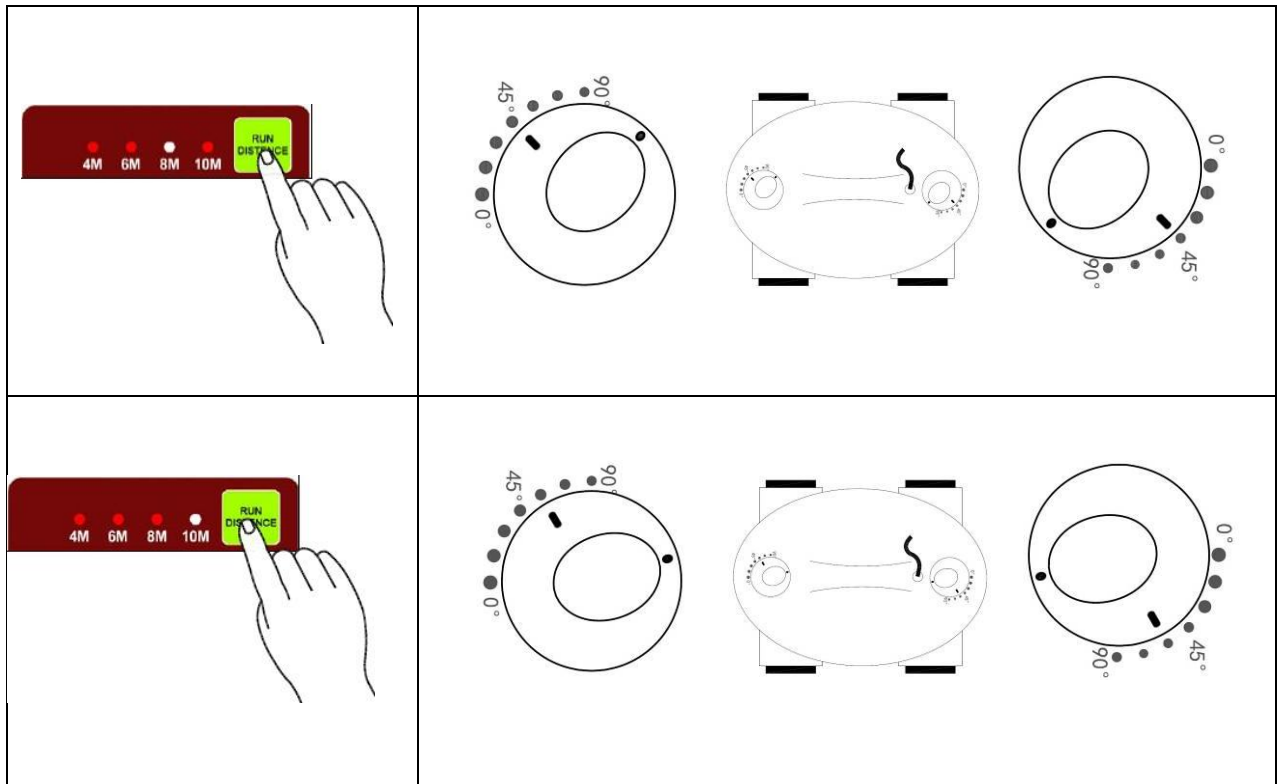
1) Direction at which cleaner moves faster

Pool distance	Sketch map
	

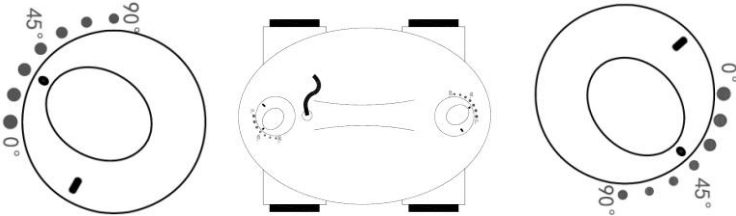
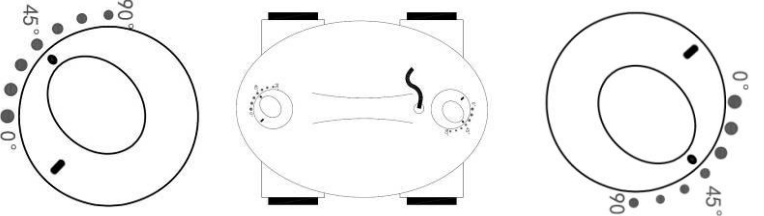


2) Direction at which cleaner moves slower





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.

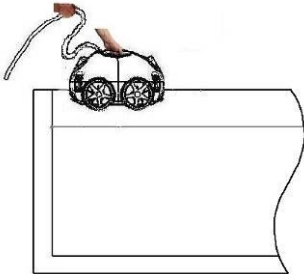


Fig.5-8

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

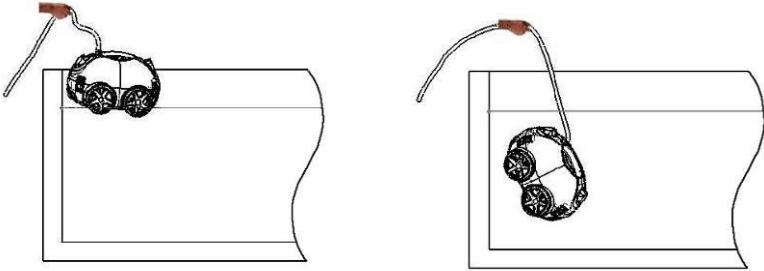


Fig.5-9

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

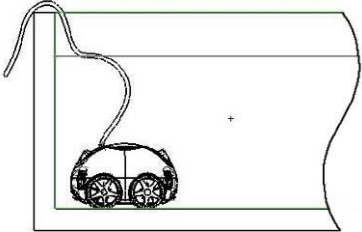


Fig.5-10

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.

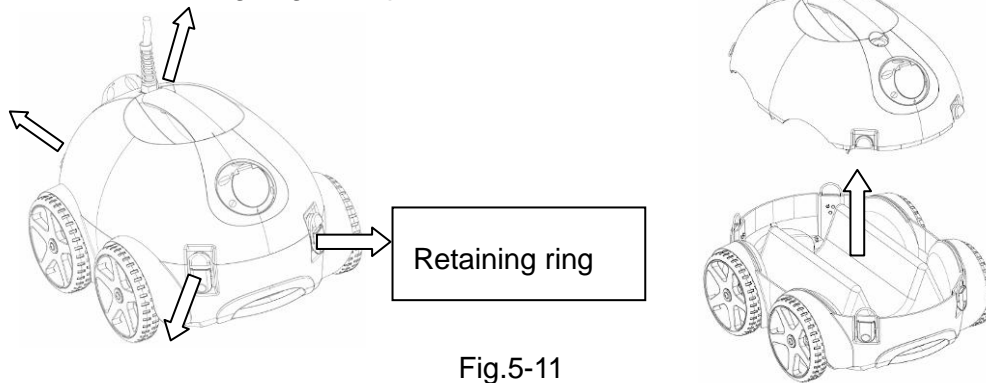


Fig.5-11

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



Fig. 5-12

Take off the filter cartridge

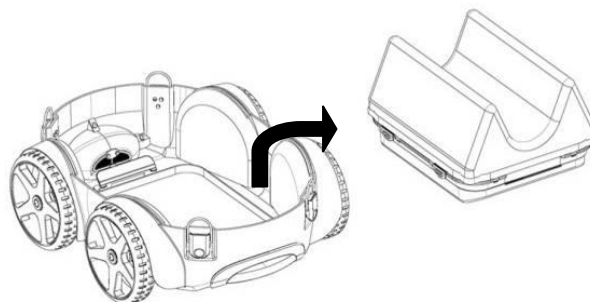


Fig. 5-13

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

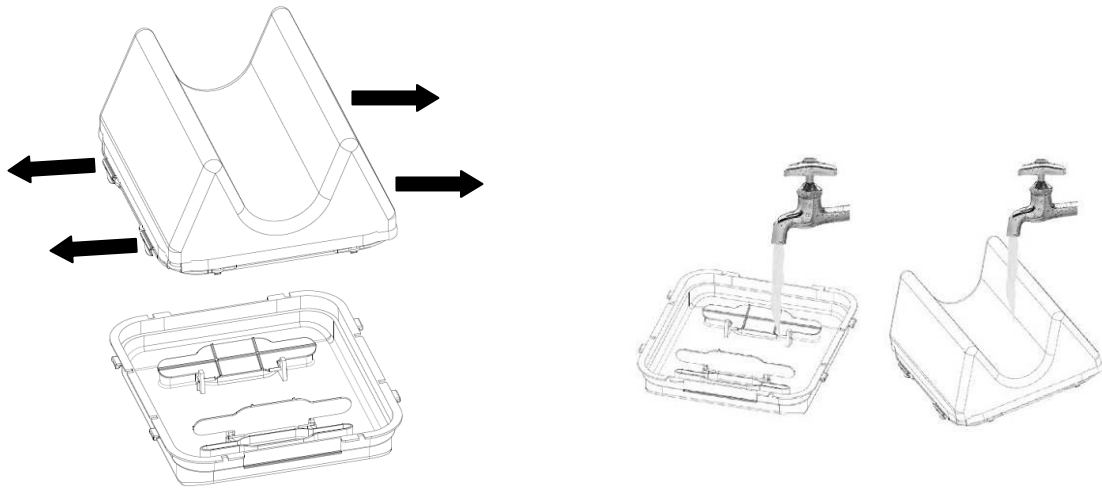


Fig. 5-14

Reinstall the filter cartridge

Put on the filter bag

Insert one side of the filter cartridge into the buckle

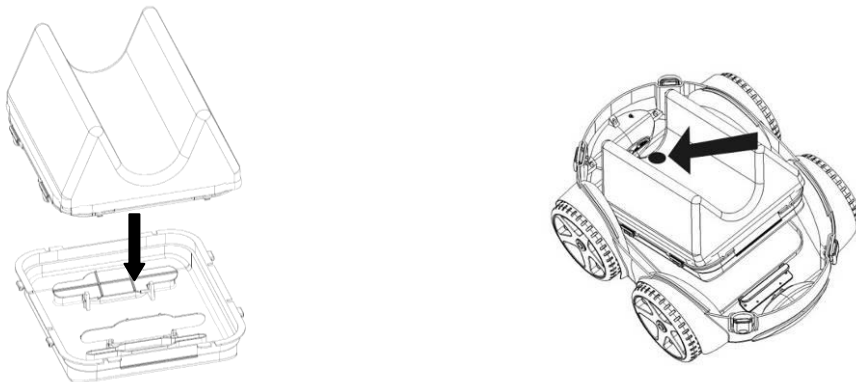


Fig. 5-15

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



Fig. 5-16

5.6 Replacing filter bag

Please use new filter bag in case broken as structure bellow

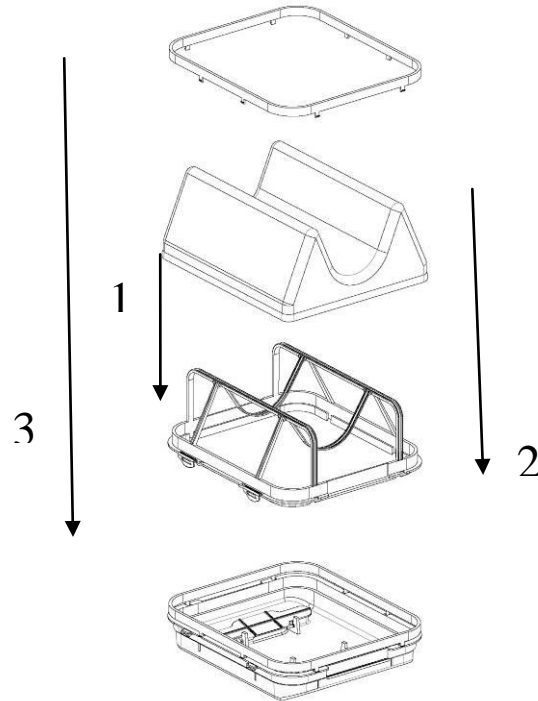


Fig. 5-17

5.7 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	HJ1009	1		In carton
2	Power supply unit	HJ1009	1		In carton
3	Manual & certificate		1		

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.



Environmental Programmes, WEEE European Directive



Please respect the European Union regulations and help to protect the environment.

Return non-working electrical equipment to a facility appointed by your municipality that properly recycles electrical and electronic equipment.

Do not dispose them in unsorted waste bins.

For items containing removable batteries, remove batteries before disposing of the product.