



triphibian

**AUTOMATIC SWIMMING POOL  
FLOOR CLEANER HJ1009  
( *BUMBEL BEE* )**



**USER MANUAL**

Please refer to [Poolrite.com](http://Poolrite.com)



## **Congratulations on the recent purchase of your Triphibian Bumble Bee robotic pool cleaner, the generation of pool cleaners!**

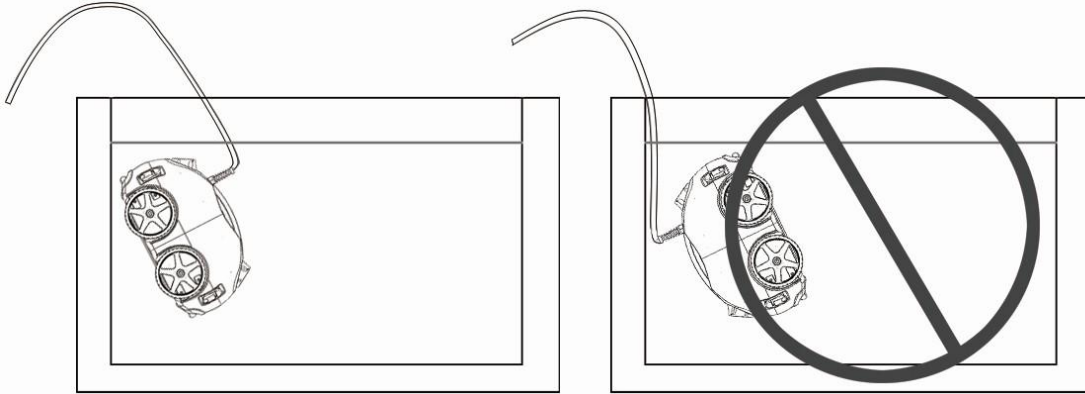


### **Important Precautions**

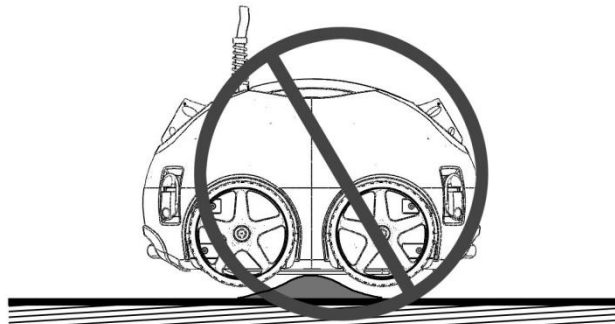
1. In order to prevent damage to the cleaner, never power on the unit when it is outside of the swimming pool.
2. The power cord must be connected to leakage protective device and appropriate earthed socket.
3. Do not operate the cleaner when people are in the pool.
4. Do not try to move the floats along the electric cable. Leave them always in the original positions.
5. Before power on, make sure the cable is fully released to avoid any winding, which could affect the cleaner's performance or cause damage.
6. 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.
7. The cleaner should be stored in a cool and ventilated place, away from direct sunlight, when not in use.
8. 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.
9. Only authorized after sales service personnel should open the cleaner's motor assembly and power supply unit, otherwise the warranty will be void.
10. In order to avoid any accident/damage, the power supply unit should be steadily placed at a minimum distance of at least 3.5m from the pool edge.
11. Do not use the cleaner beyond the working environment/conditions stated in this manual.
12. Do not uncover the protective film which is on the operating panel.
13. Turn off the filtering system of your pool when this cleaner is in use.

## Note

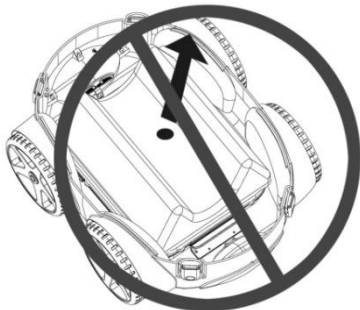
1. Putting into or lifting out from pool with the cleaner bottom toward the wall to avoid any possible scratch to the pool surface.



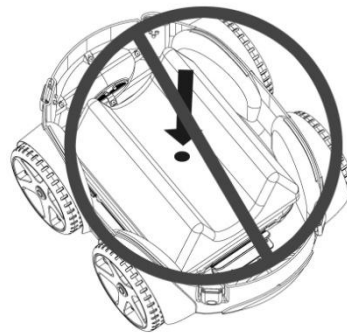
2. Please store the cleaner in a flat place, the cleaner body should not touch any hard article to avoid possible damage.



3. Do not press into or lift out the filter cartridge when installing or removing to avoid any damage to the chassis.



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



Do not push sides of the cartridge at the same time.

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## **I. Introduction:**

The Bumbel Bee automatic swimming pool floor cleaner 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: 150m<sup>2</sup>
7. Filtering capacity: 15m<sup>3</sup>/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°C

# IV. Cleaner Structure

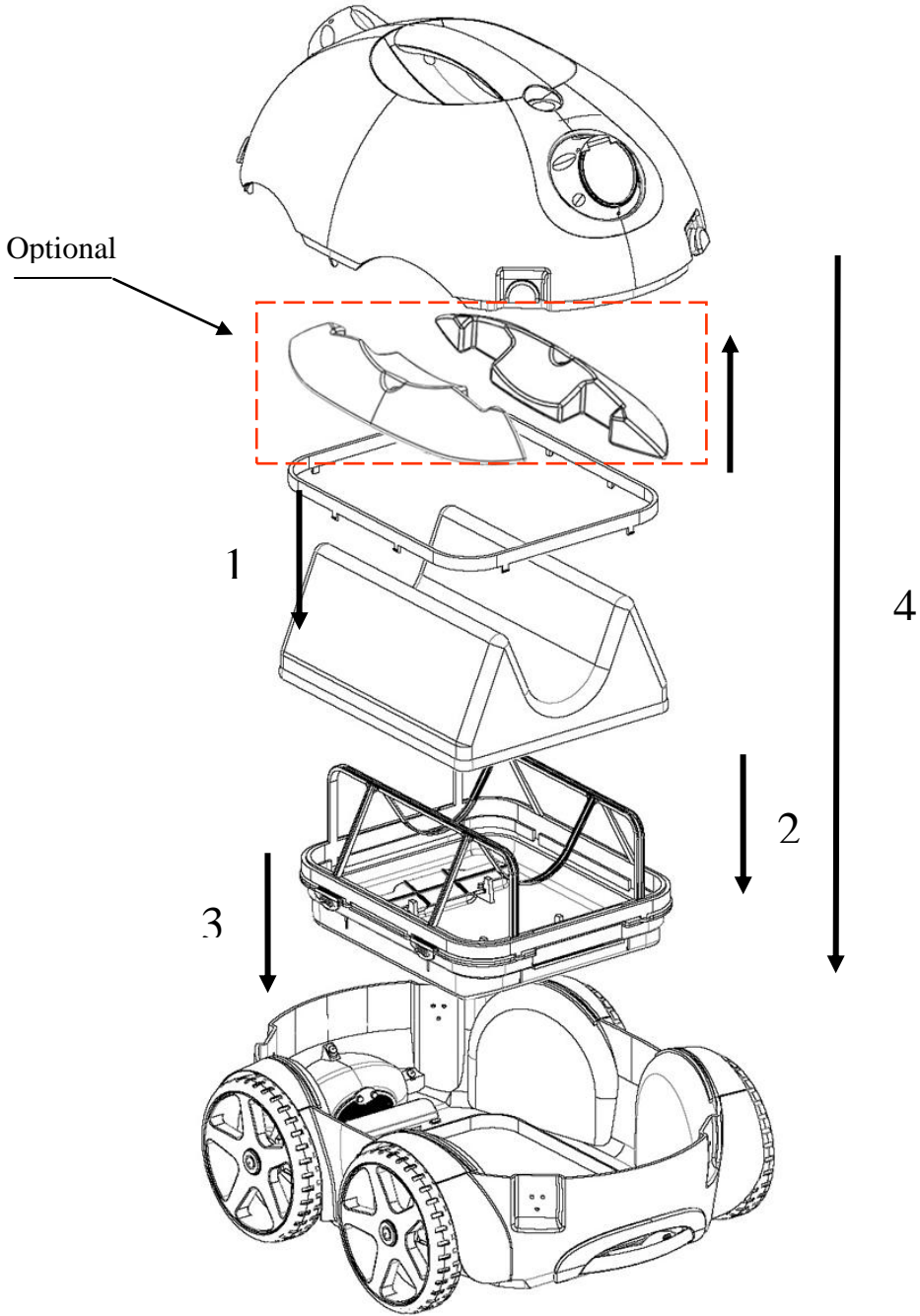


Fig.4-1

Assemble the cleaner according to above structure

Note: Optional part is used for pools with slope floor, suggest to remove it for flat floor.

# 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.

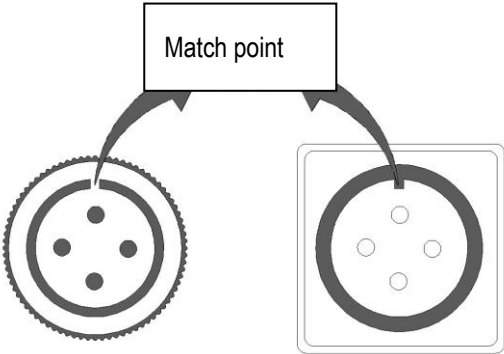
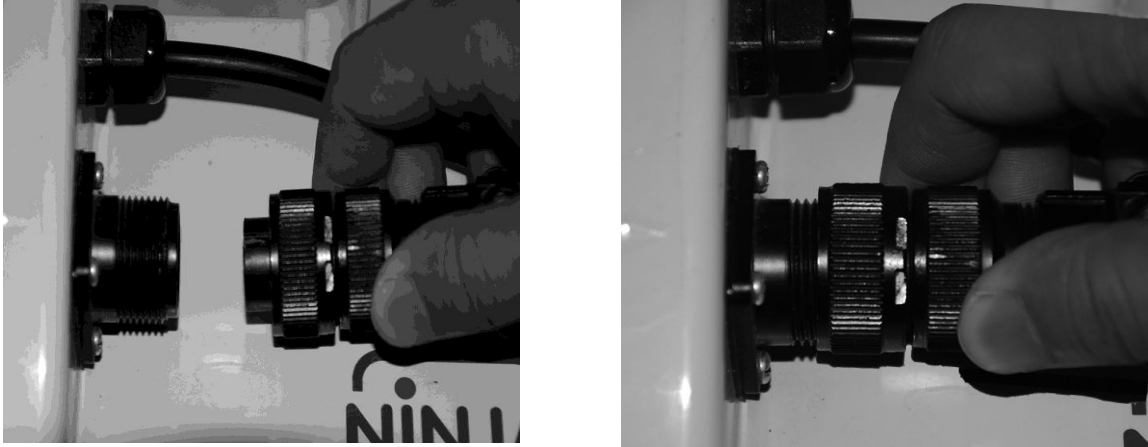


Fig. 5-1

5.1.2 Connect the plug with power



Fig.5-2



## 5.2 Panel operation

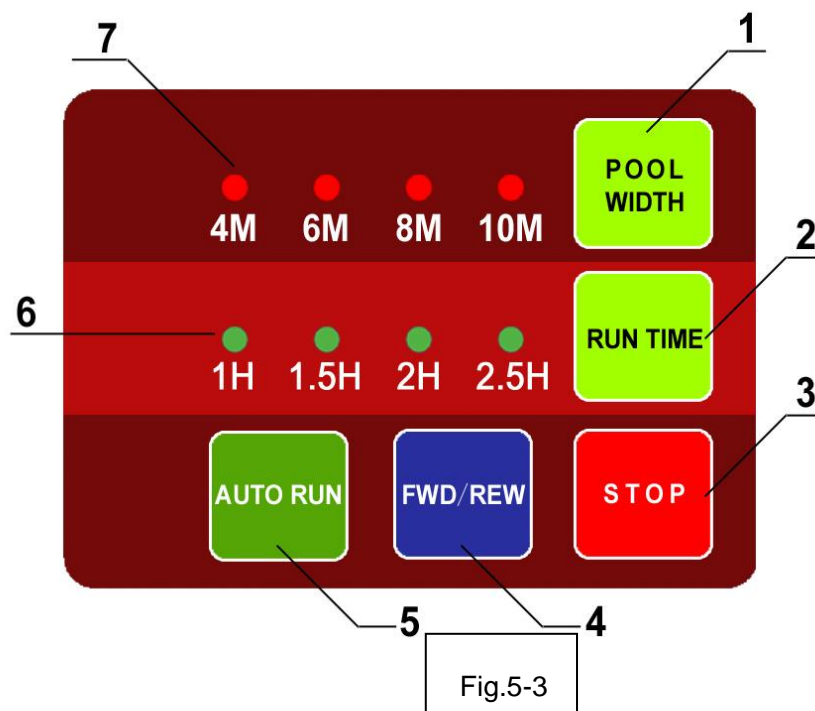
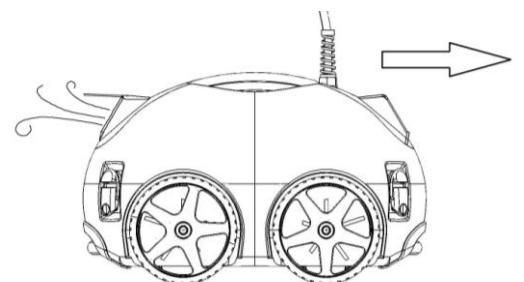


Chart 5-1. Buttons & indicator lights instructions

Item	Name	Specification	Function
1	POOL WIDTH	Pool width 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 while the other closes. Water flows out through the opening nozzle to thrust the cleaner to move forward. Operator can adjust the nozzle direction through rotating it by which to control the moving path of the cleaner.



**Fig. 5-4**

### 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 in a larger radius and below instruction is helpful for a proper setting.

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

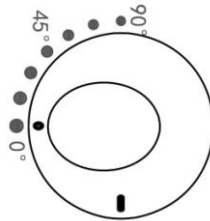


Fig. 5-5

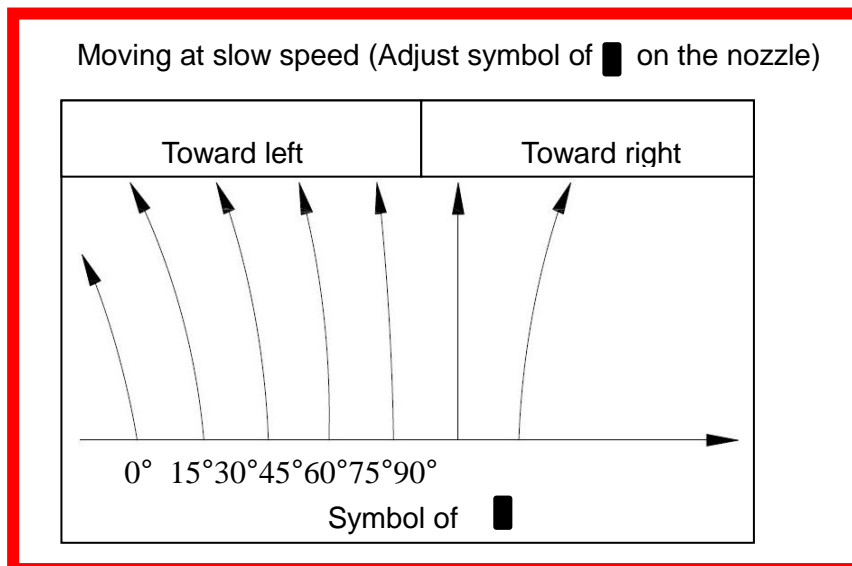


Fig. 5-6

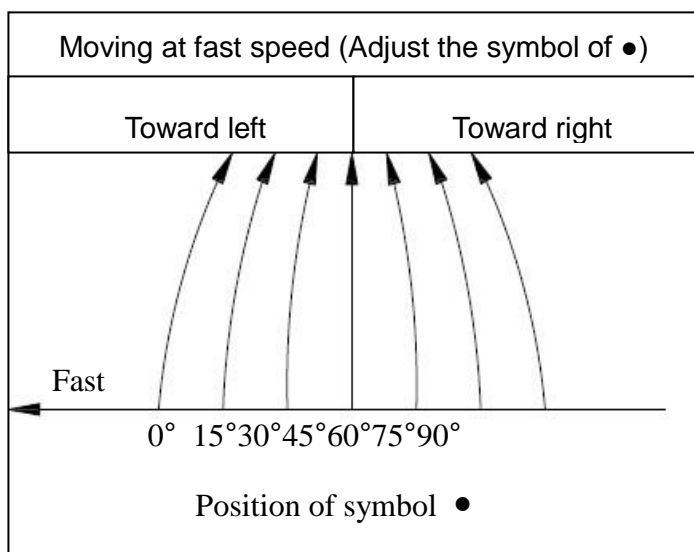



Fig.5-7

Operator can select the nozzle position for different pools, for example, choose slow speed which leads to large moving radius by putting the symbol  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 shape of pool.

A radius path and a direct path will happen by alternation if one nozzle is at 30° and the other is at 60° which will lead to full coverage of the pool and is helpful for the release of any possible cable twist.

#### **5.3.1.4 : Setting of distance**

Choose a pool distance on the operating panel based on your pool size.

Suggest to select 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 choose 8m or 10m if the cleaner moves in low program.

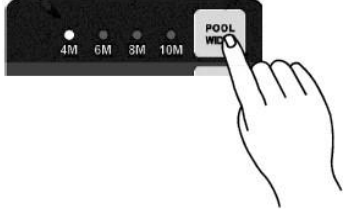
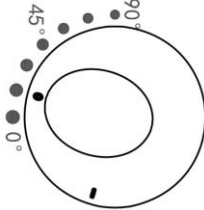
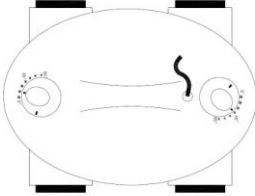
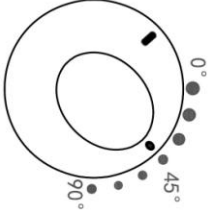
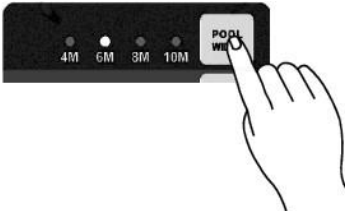
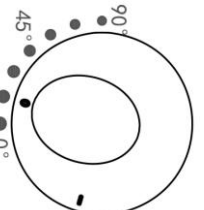
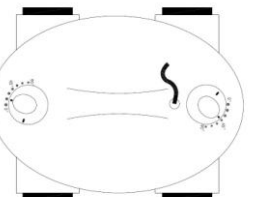
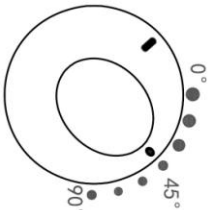
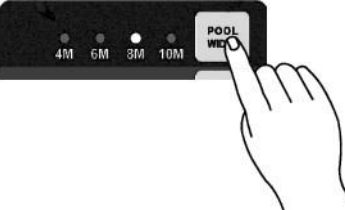
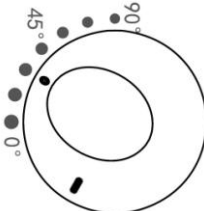
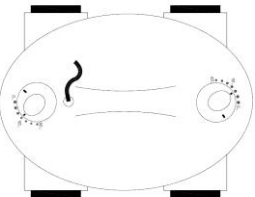
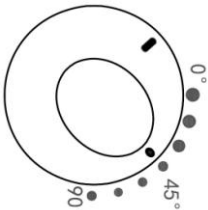
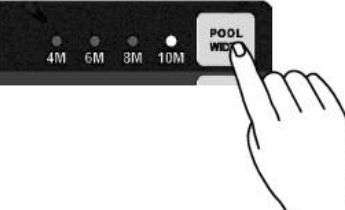
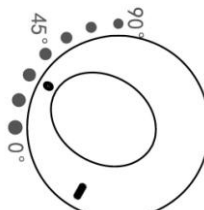
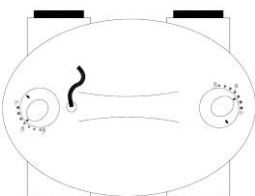
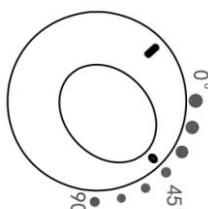
#### **5.3.1.5 : Setting for pools with slope**

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).

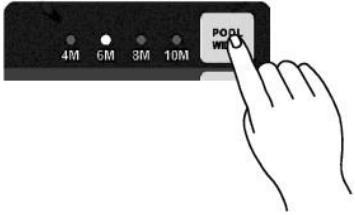
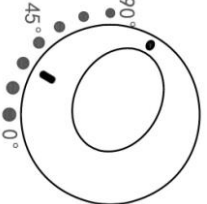
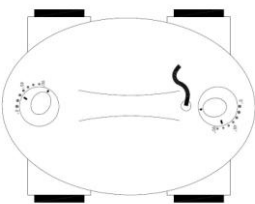
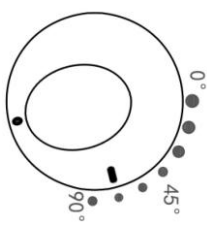
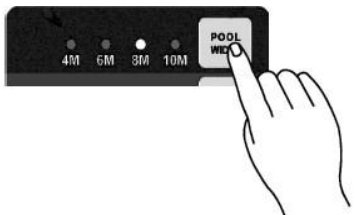
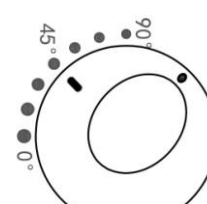
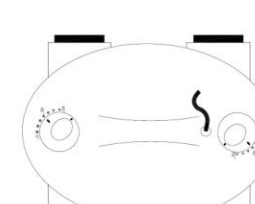
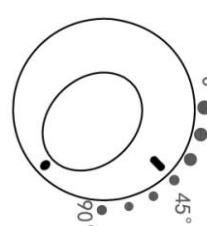
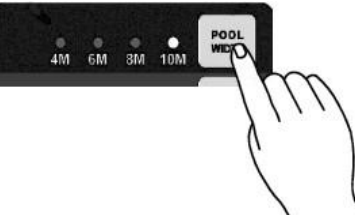
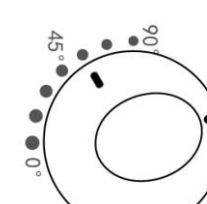
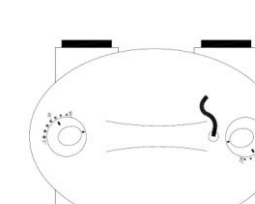
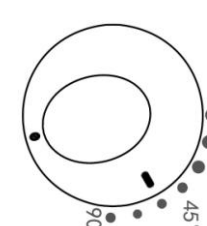
Note: Full coverage is not guaranteed for some customised pool shapes, while you can adjust the nozzle direction to reduce the moving curvature radius this may cause the cable to twist more often.

**5.3.3 Recommended nozzle direction:**

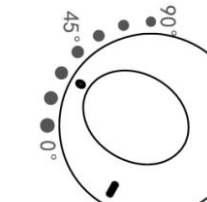
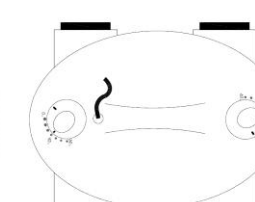
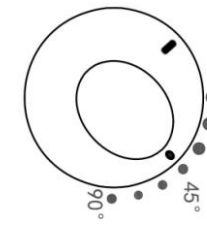
**1) Direction at which cleaner moves faster**

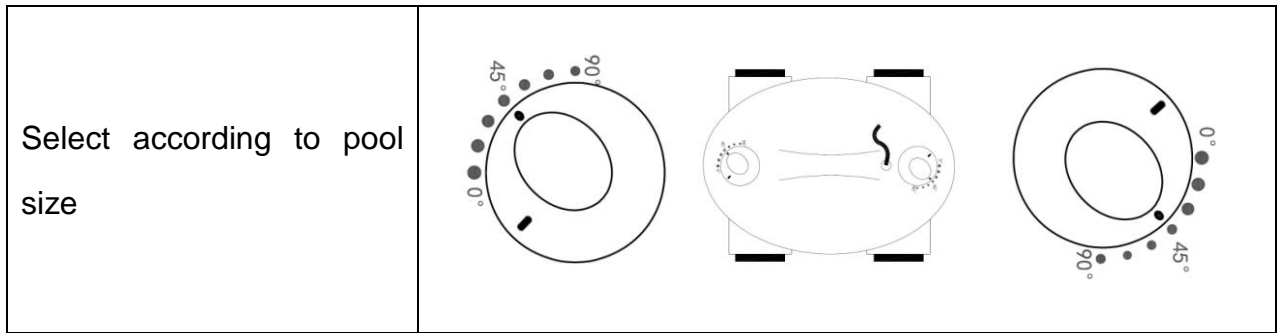
Pool distance	Sketch map		
			
			
			
			

## 2) Direction at which cleaner moves slower

Pool distance	Sketch map		
			
			
			

## 3) Pool with slope floor

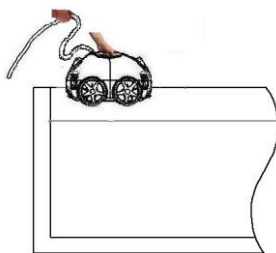
Pool distance	Sketch map		
<p>Select according to pool size</p>			



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

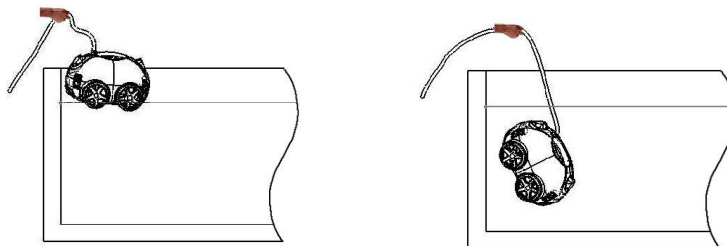
#### 5.4 Methods of putting the cleaner into pool

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



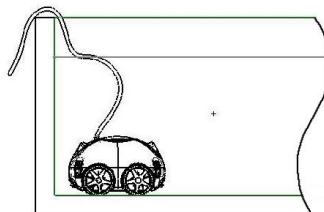
**Fig.5-8**

Keep holding the cable to fill the cleaner with water and sink into pool floor.



**Fig.5-9**

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



**Fig.5-10**

By following the above methods this will help avoid the unit turning upside down.

## 5.5 Cleaning the filter bag

Release the retaining ring and open the cleaner.

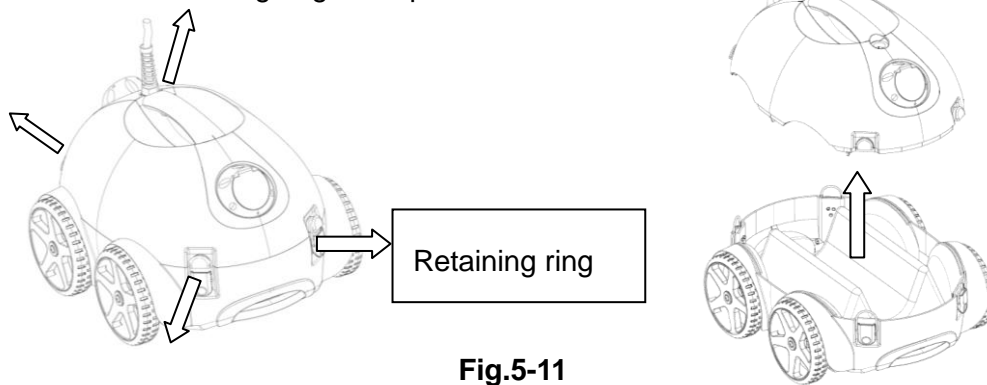


Fig.5-11

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



Fig. 5-12

Take out the filter cartridge

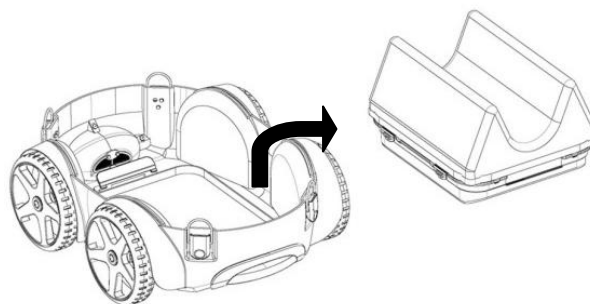
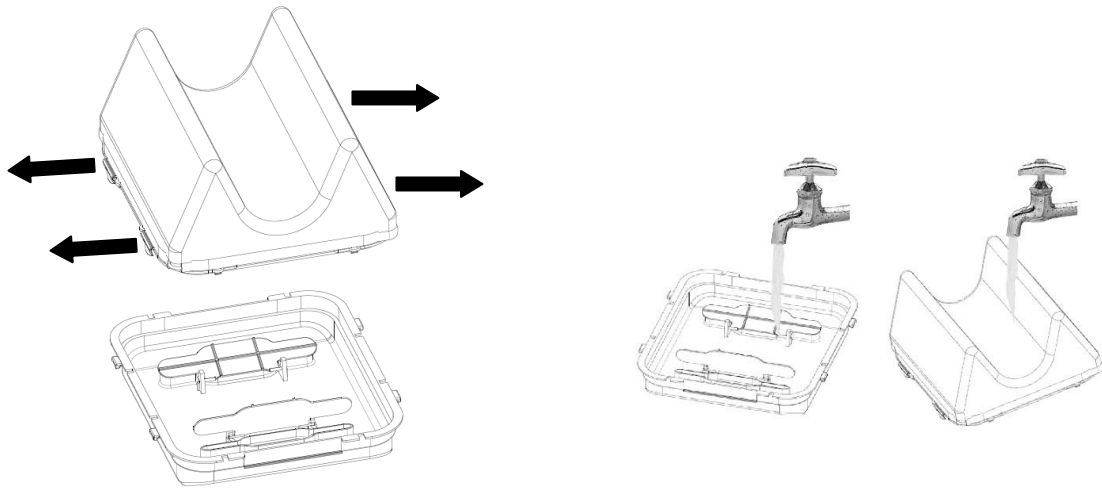


Fig. 5-13

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

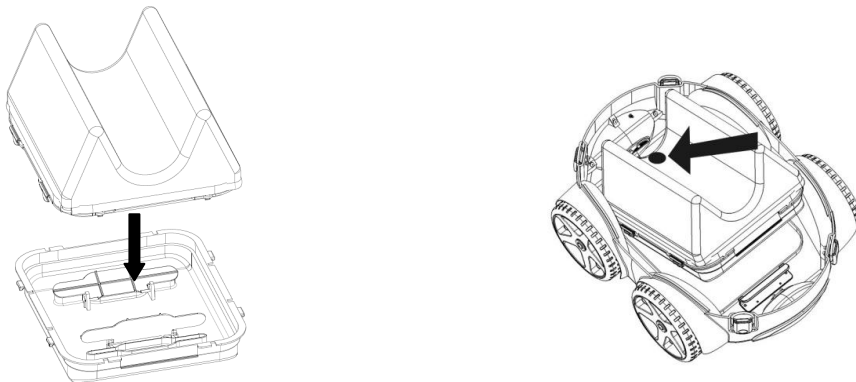


**Fig. 5-14**

Reinstall the filter cartridge

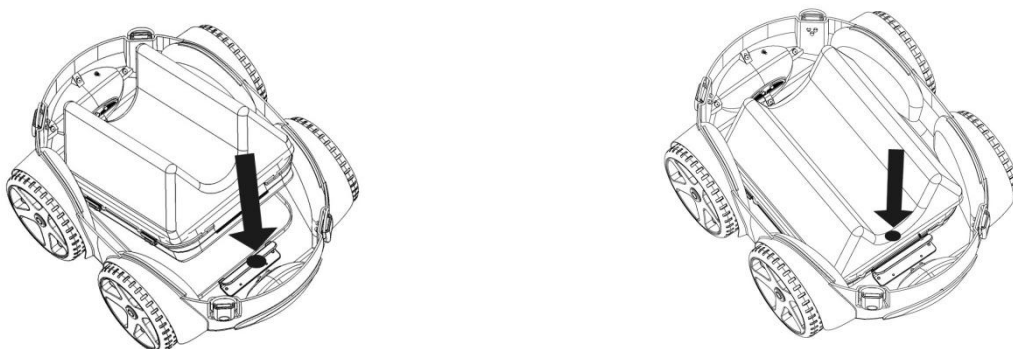
Put on the filter bag

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.

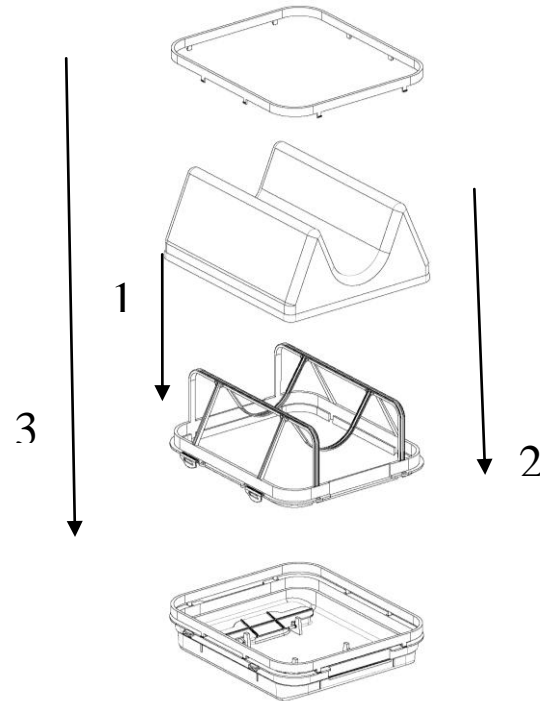


**Fig. 5-16**



## 5.6 Replacing filter bag

Please use new filter bag in case broken as structure bellow



**Fig. 5-17**

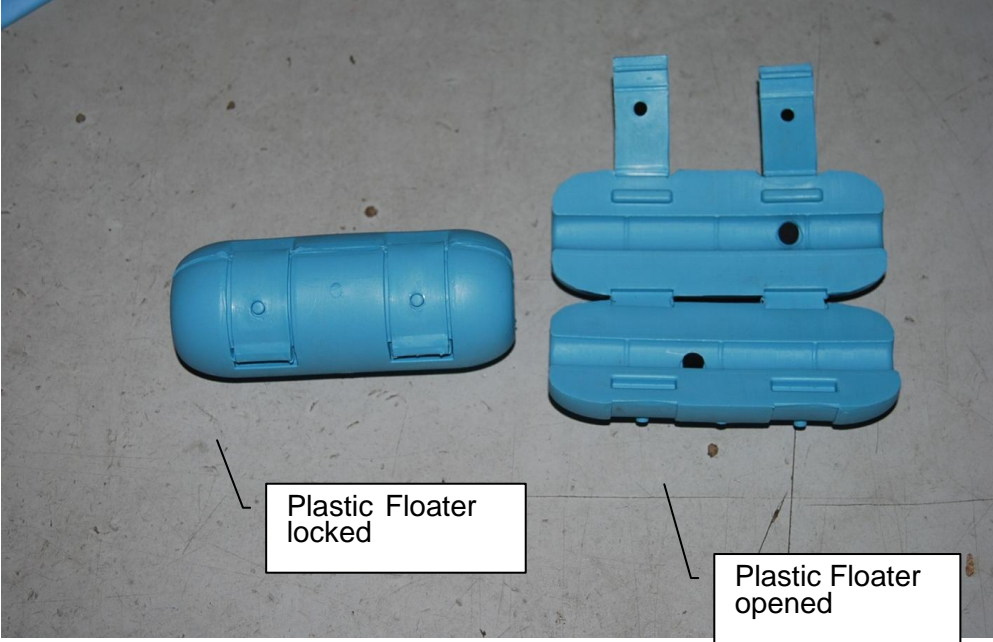
## 5.7 Helpful tips

- Unplug power connection immediately after use (Do not do it with wet hand or bear feet).
- The cleaner should not touch pool walls while lifting out to avoid scratching the pool surface or any damage to the cleaner.
- 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.
- Hold the cleaner handle to lift it out from pool and never pull the cable.

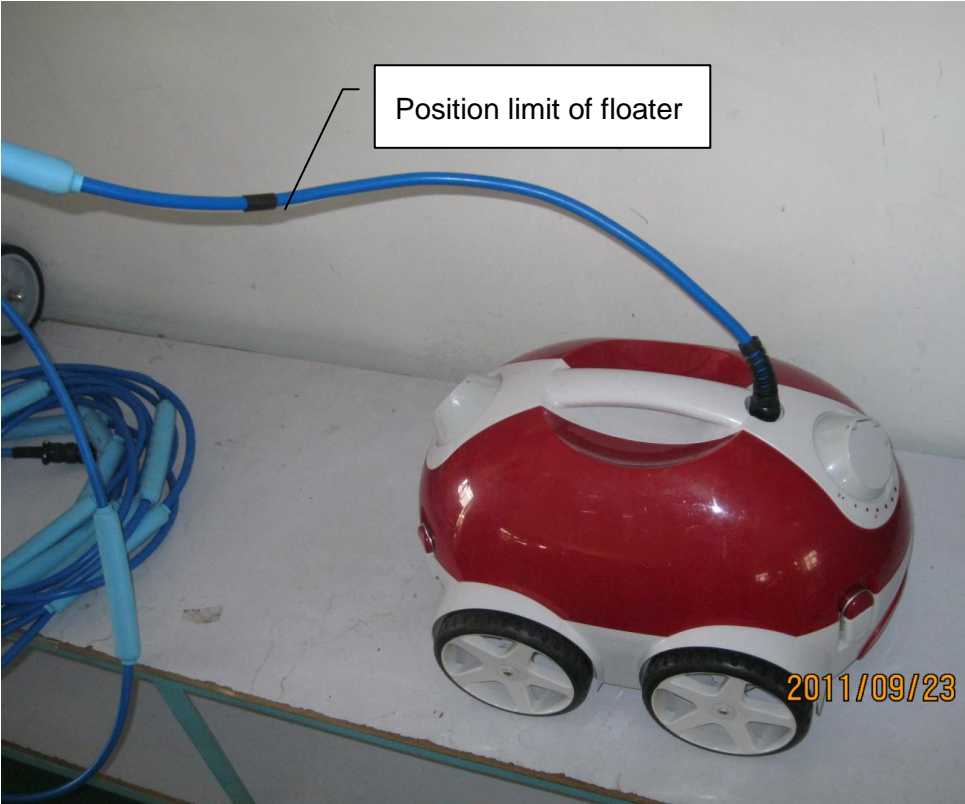
**5.8 Installation of Cable Floaters**

The floaters packaged in the polybag are for preventing the cleaner flipping over on round edged pools. The floaters should be locked on the cable up to 3pcs according to the pool.

1. Plastic Floater



2. Installation of Plastic Floaters





## 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
	Extended operation	Release cable 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 incorrect direction	Adjust nozzle to correct direction
	Customised pool shape	Adjust the nozzle to lead to bigger moving radius
	Pool filter system and pump operation	Turn off pool filter system
	Cable not long enough in pool	Release additional cable
Cleaner does not work	Check the power cord is connected correctly	Plug-in the 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 Against Defects

### Product Details

The Triphibian Bumbel Bee is manufactured to the highest possible standards using the most current technologies. In the unlikely event that a problem occurs resulting from faulty manufacture or materials this product is covered under warranty.

### Details of Company Providing Warranty

Warranty for the Bumbel Bee is provided by:

Poolrite Equipment  
415 Creek Road  
Mt Gravatt QLD 4122  
Phone: 07 3323 6555  
Email: info@poolrite.com.au

### Obligation of Poolrite Equipment

#### *Manufacturer Warranty*

Should examination by Poolrite Equipment confirm to its satisfaction that the Bumbel Bee product has failed due to faulty manufacture or materials, Poolrite Equipment warrants the Bumbel Bee for the following periods from the date of original purchase:

**1 YEAR or 900 HOURS**

This warranty is applicable to workmanship and/or materials. Poolrite Equipment or an authorised Poolrite Professional will repair or replace, at no charge, all parts which display faulty workmanship and/or materials.

Poolrite Equipment does not accept any responsibility for loss, damage or injury to persons or property arising from warranty-related defects or installation of equipment.

Unless with the express prior written approval of Poolrite Equipment, any repair or replacement shall be provided only by Poolrite Equipment or its authorised Poolrite Professionals. This Warranty shall not extend to any expenditure otherwise incurred by the original purchaser.

#### *Warranty Limitations*

This Warranty extends only to:

- The Bumbel Bee when:
  - operated and maintained strictly in accordance with Poolrite Equipment's instructions, and
  - installed correctly in accordance with Poolrite Equipment's instructions detailed in the user manual, and
  - found to be without product alterations or modifications of any nature whatsoever.

#### *Warranty Exclusions*

This Warranty excludes:

- Faults confirmed after examination to be caused by reasonable wear and tear
- Faults confirmed after examination to be caused by any of the following:
  - Incorrect water chemistry
  - Operation of the system subsequent to detection of a fault
  - Use of non-genuine spare parts
- Faults arising from abnormal use, lack of care, extreme exposure to the elements or harmful substances, insect/vermin infestation, negligence and/or Acts of God, or any other factors beyond the control of Poolrite Equipment or its authorised Poolrite Professionals.

### **Obligation of the Purchaser**

In the event of a product fault that is covered under the terms of this Warranty, the purchaser must, in the first instance, contact the nearest authorised Poolrite Professional for assistance or Poolrite Equipment on 1300 855 894 or visit [www.poolrite.com](http://www.poolrite.com). To claim warranty on goods that require return to Poolrite Equipment or an authorised Poolrite Professional, the purchaser must return the goods freight paid.

### **Australian Consumer Law**

This Warranty is in addition to any requirement under the Australian Consumer Law.

PLEASE CONTACT YOUR LOCAL DELAER FOR ANY WARRANTY ISSUES

### **Approval & Compliance**

The Triphibian Bumbel Bee conforms to AS/NZS 3190:2002 and AS/NZS 3112:2004 and its Electrical Certification number is SAA080143EA.



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