

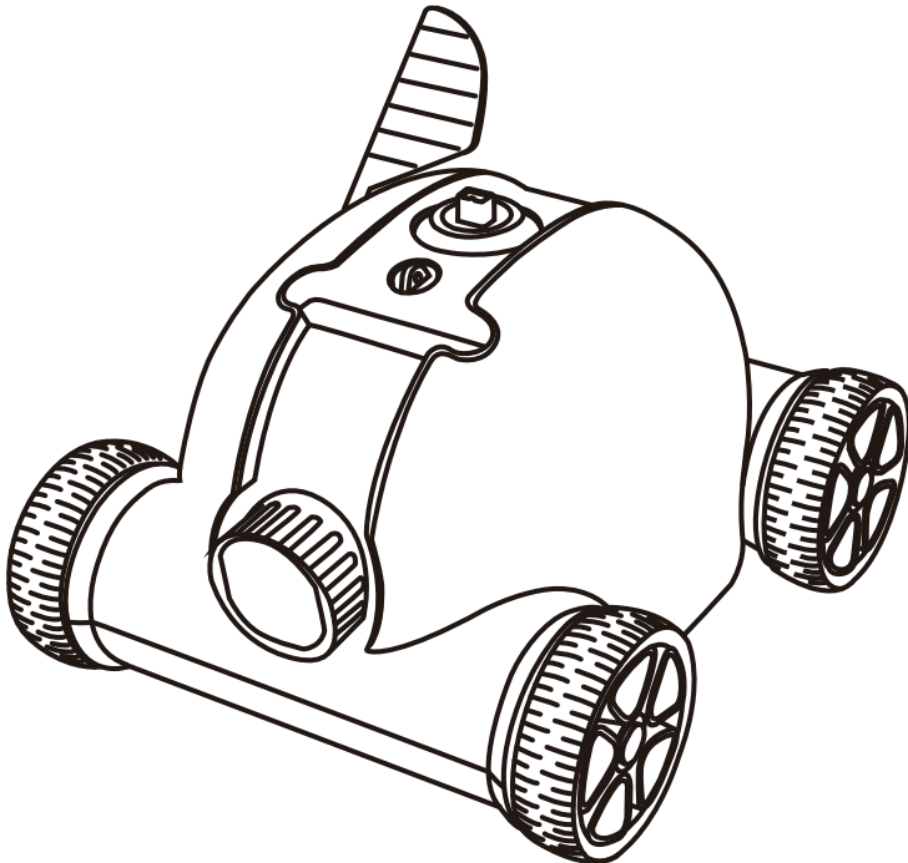


Aiper Smart HJ1103J ROBOTIC POOL CLEANER User Manual

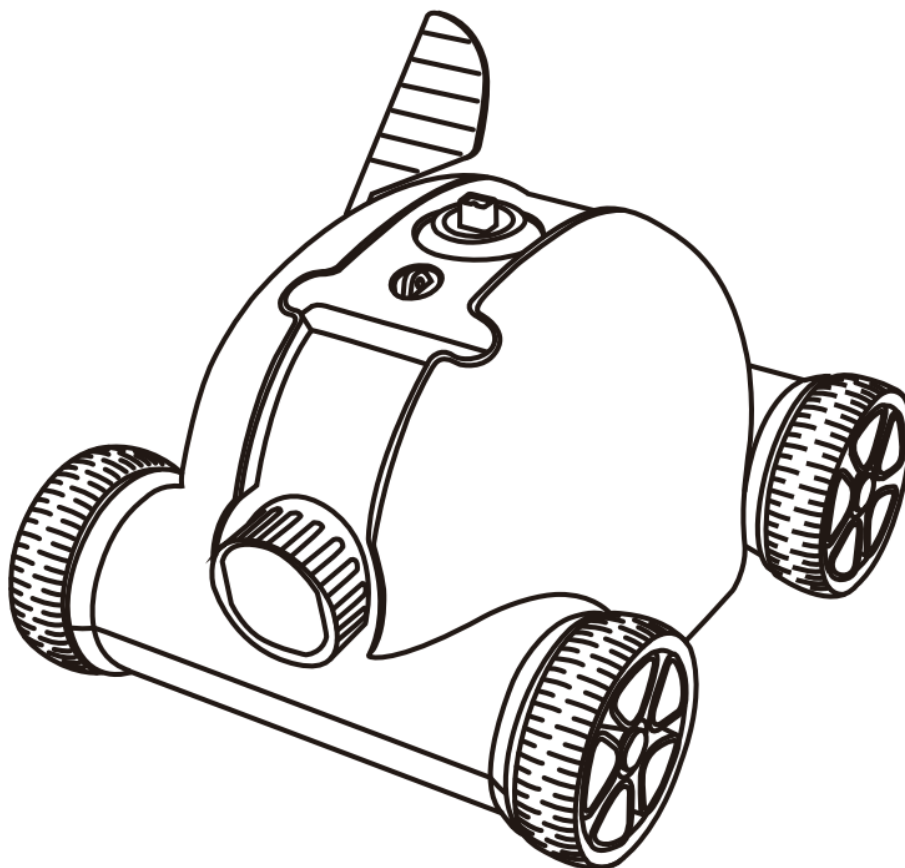
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Smart HJ1103J ROBOTIC POOL CLEANER
User Manual



Thank you for choosing Piper Smart robotic pool cleaner. You've joined millions of people to enjoy the convenience of robotic pool cleaning. This user manual helps you to keep your robot performing at its best. Please take a few moments to read through it. If you have any questions, please contact our customer service for assistance or visit www.aipersmart.com for more information.



Piper Smart Customer Service
Customer Service Number: Toll-Free Call: (877)-756-8666
Email: service@aipersmart.com
Facebook: @AiperSmart

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Important Precautions

1. Strictly prohibit using the cleaner beyond its operating conditions. Please read the manual carefully, and use it according to the manual. We have no responsibility for any loss or injury caused by improper use.
2. Use the accessories recommended or sold by the manufacturer only.

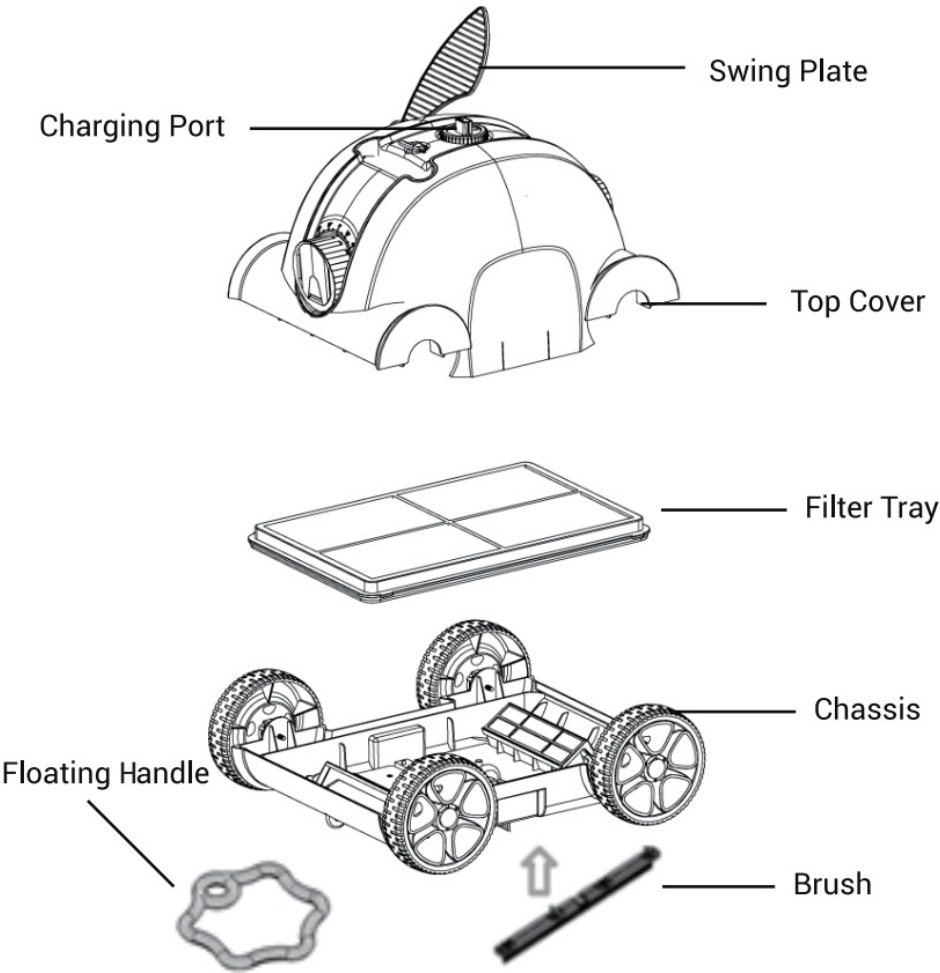
3. This model mainly applies to swim pools with a flat floor.
4. The cleaner should not be used by children under the age of 8 or people with mental disorders. Please do so under the supervision of the guardian if necessary. Please do not allow children to ride on it or play as a toy.
5. Use the original and authorized adapter only.
6. It must be replaced by after-sale professionals if the power line is damaged.
7. Do not power on the cleaner when it is outside of the water.
8. The power line must be connected to a leakage protective and earthed socket when charging.
9. Do not operate the cleaner when there are people in the pool.
10. Always clean and wash the filter tray after use.
11. Power off the cleaner when maintaining, cleaning, or not using it.
12. The cleaner should be stored in a cool and ventilated place, away from direct sunshine.
13. Charge the battery under the permitted condition. The cleaner should be stored in a cool place when charging, meanwhile, do not place or be covered with anything to prevent the damage to internal electrical components caused by overheating of the power unit.
14. Only professionals can disassemble the sealing drive assembly of the cleaner.
15. Close the pool filtration system before use.
16. Slightly water pollution might occur in case of grease in motor oil seal leaks.
17. The cleaner is only suitable for small pools limited by battery capacity; otherwise, it will affect the cleaning effect.
18. Charge the battery before completely discharged. Always stop robot operation and charge the battery when you notice less power. Never recharge a fully charged battery. Overcharging shortens the battery service life. Charge the battery at room temperature at 10 °C – 40 °C (50 °F – 104 °F). Let a hot battery cool down before charging it. Charge the battery if you do not use it for a long period (more than six months).
19. Prohibit charging the battery under the condition of fire or extreme heat. Do not use or store the cleaner near the heat source.
20. Prohibit piercing the cleaner shell with nails or other sharp objects, and prohibit hammering, impacting and throwing the cleaner.

Introduction

The robotic pool cleaner HJ1103J is a new type of rechargeable automatic cleaning equipment for pools with the function of automatic beaching.

Please read the manual carefully before use so that you can use it correctly.

Product Part



Specifications

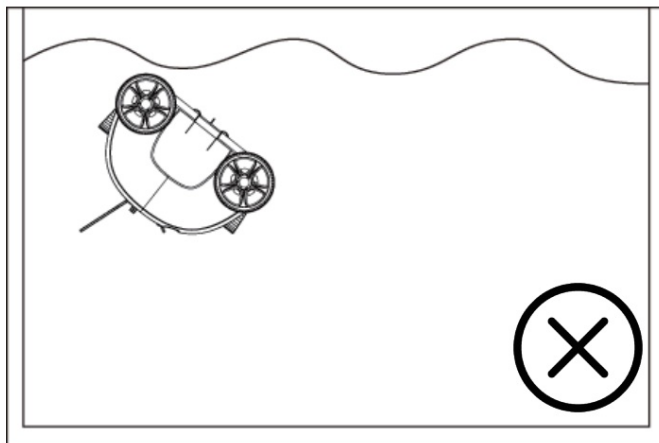
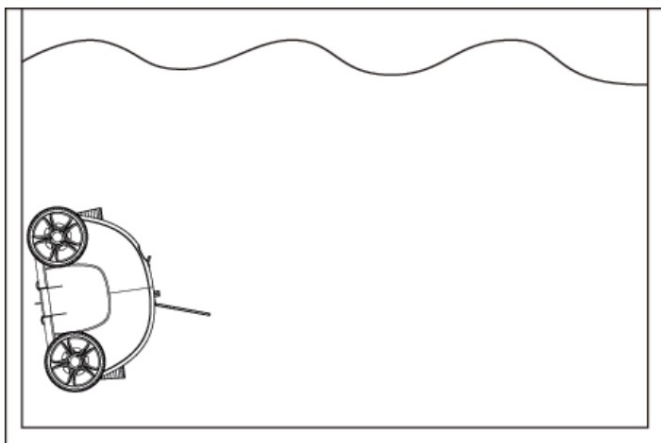
1	Input voltage	100-110v
2	Working voltage	12.6V
3	Power	50W
4	Battery Duration(one cycle) Max.	90min
5	Rated input voltage of an adapter	100Vac-240Vac
6	Input power of the adapter	47Hz-63Hz
7	The rated output current of the adapter	1.8A
8	Charging time	5-6h
9	Battery capacity	5000mAh
10	Max cleaning surface	100 mi(1076sq ft)
11	Filter capacity	10m3/h
12	Filter capability	180pm
13	Pool water temperature	10 t (50 'F)-35 C(957)
14	Moving speed	appr. 16m/min
15	IP grade	IPX8
16	Charging environment temperature	0 t (32 7)-45C (113 7)
17	Max water depth	2.0m(78.7inch)
18	Product size	15.7*14.2*10.6 inch
19	Weight	5.5kg(121b)

20	Storage condition	
	Short term(less than 1 month) Medium-term(less than 3 months) Long term (more than 3 months)	-20 C(-4°F)-60 C (140 P), s75%RH -20 C (-4)-45 C (113 P), s75%RH -20 (4 17)-20 C (68), s75%RH
21	Swimming pool slope	max 15°

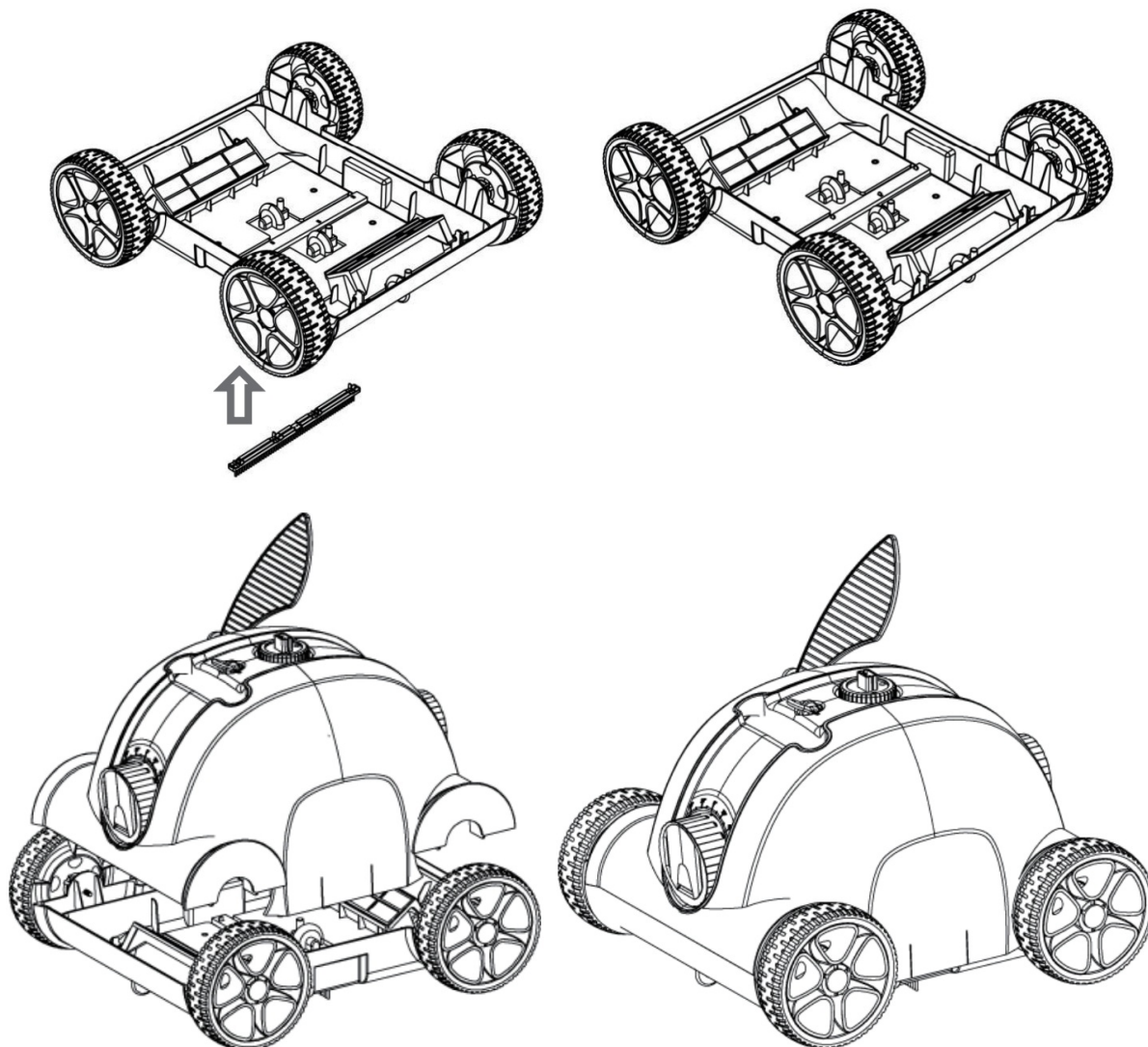
Operation Instruction

1. Precautions

a. Put into or lift out from the pool with the cleaner bottom toward the wall to avoid any possible scratch to the pool.



b. Install the brush before use to avoid possible dirt leaks.

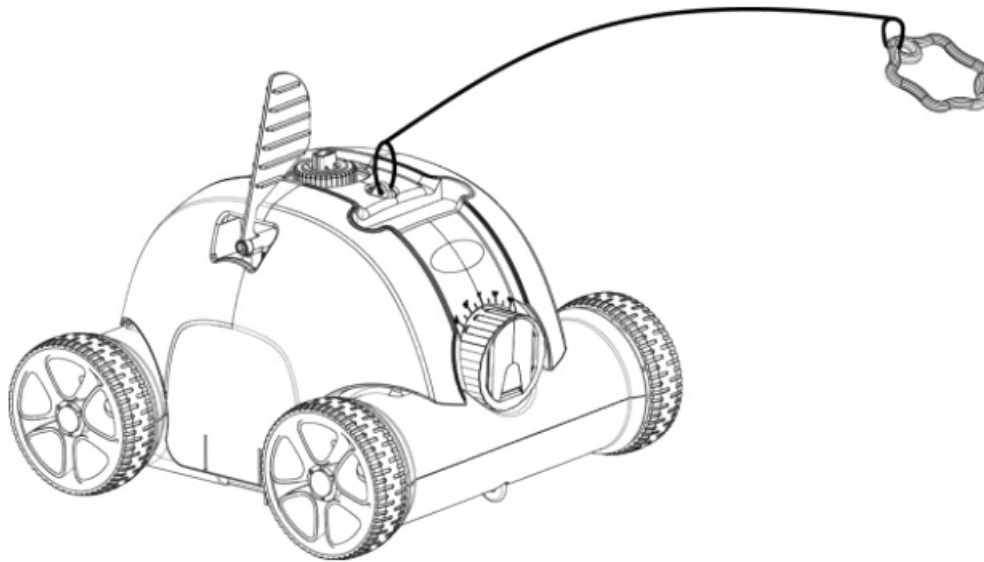


Quick operation

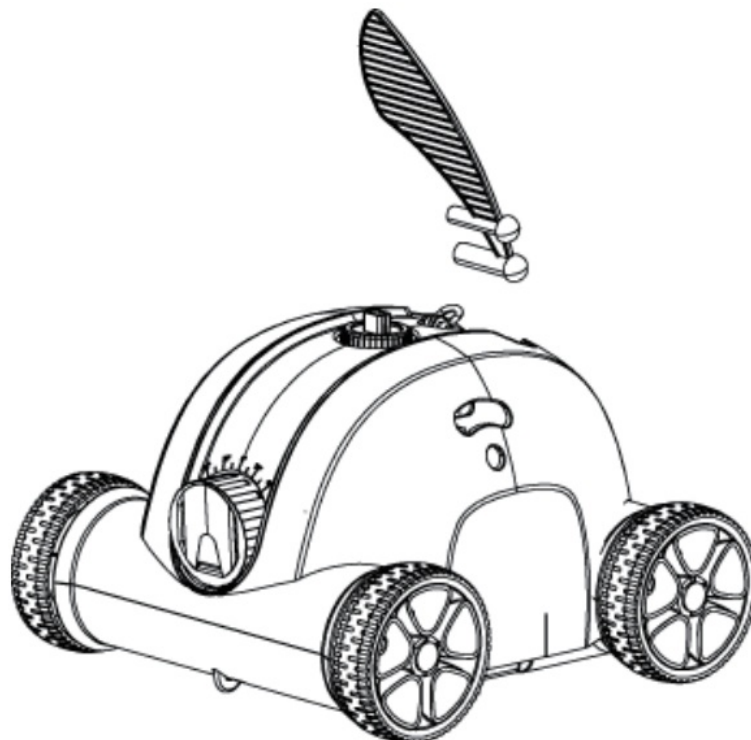
a. Install the floating handle

*Adjust the tow rope according to the swimming pool depth.

*Tie the floating handle to the cleaner in the place indicated in the fig.



b. Install the swing plate Insert the swing plate in the place Indicated in the fig.

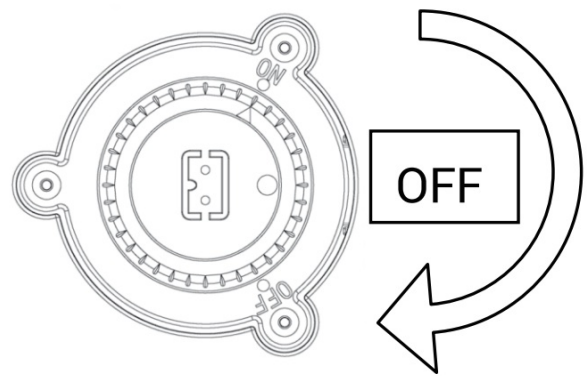
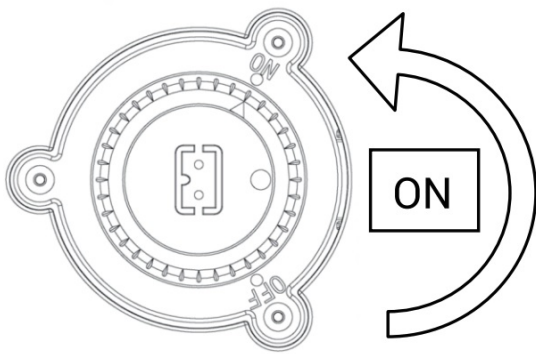


c. Connect the cleaner and home power with an adapter and charging line to charge the battery.

- Clean the charging port before charging.
- The red charging indicator light indicates the battery is charging.
- The green charging indicator light indicates charging is finished.
- Turn the switch knob to OFF before charging.

Adaptor indicator	Status
Red	Charging
Green	Charging finished

d. Turn the switch knob to ON after putting it into water then the cleaner is power-on and the indicator light is steady blue. The clean-er begins to work about 15 seconds later while the blue light flashes.



e. The blue light flashes three times after completing the working cycle and then the cleaner stops to run about 2 minutes later while the indicator light is steady blue.

Status	Cleaner indicator
Working	Indicator blue flashes
Work finished	Indicator blue steady
Fault	Indicator blue flashes quickly

f. Power-off operation: turn the switch knob to OFF and the blue light turns off, while the cleaner is power-off. Please timely clean the filter tray after use.

3. Functions and adjustment of nozzles

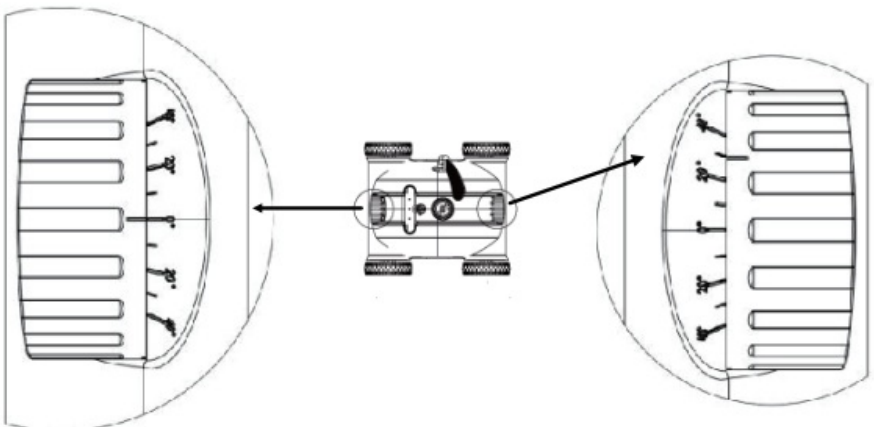
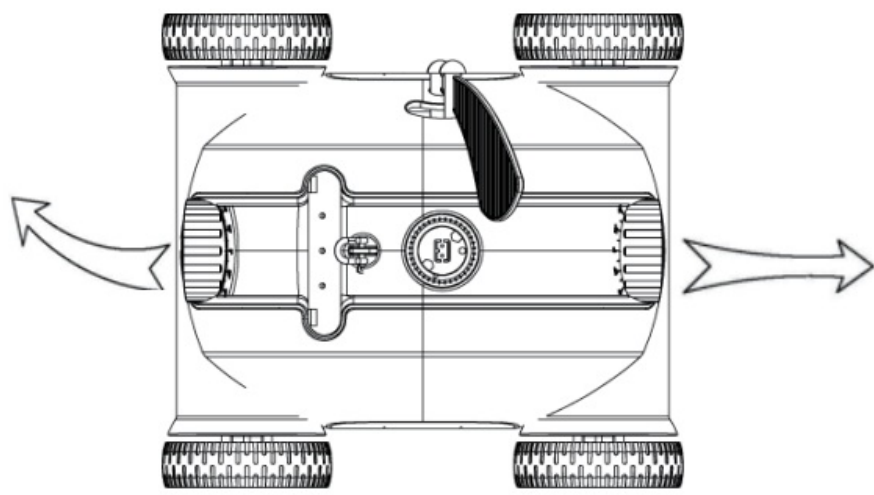
There are two nozzles on the cleaner, one of them opens once the other closes. Water flows out through the open nozzle to thrust the cleaner to move forward. Adjust the nozzle by turning it to control the moving route.

a. Settings of nozzle angle and moving route Sketch: the nozzles of the cleaner are marked with angles (0°-40°). The cleaner moves in an approximately straight line when the nozzle angle is 0°.

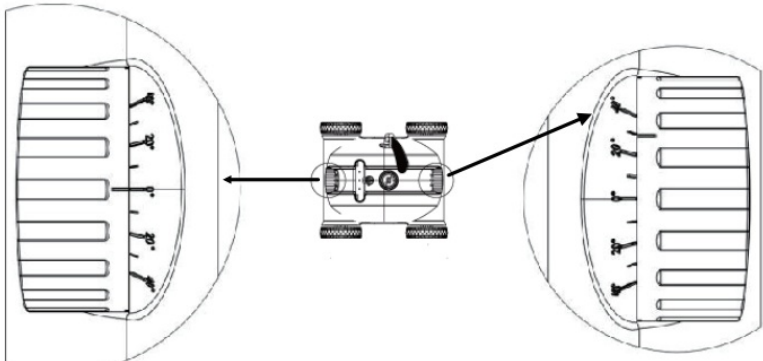
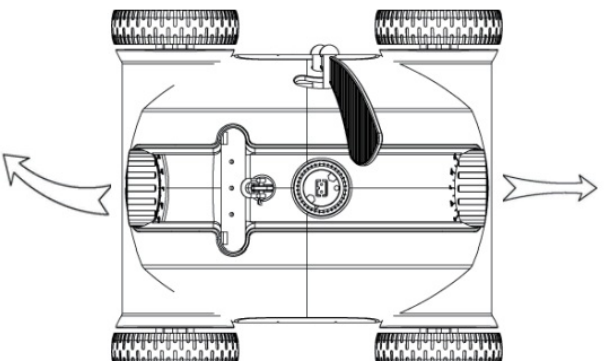
The cleaner moves in a more curved line at a larger angle from 0°-40°.

b. Recommended three cycles and nozzle settings

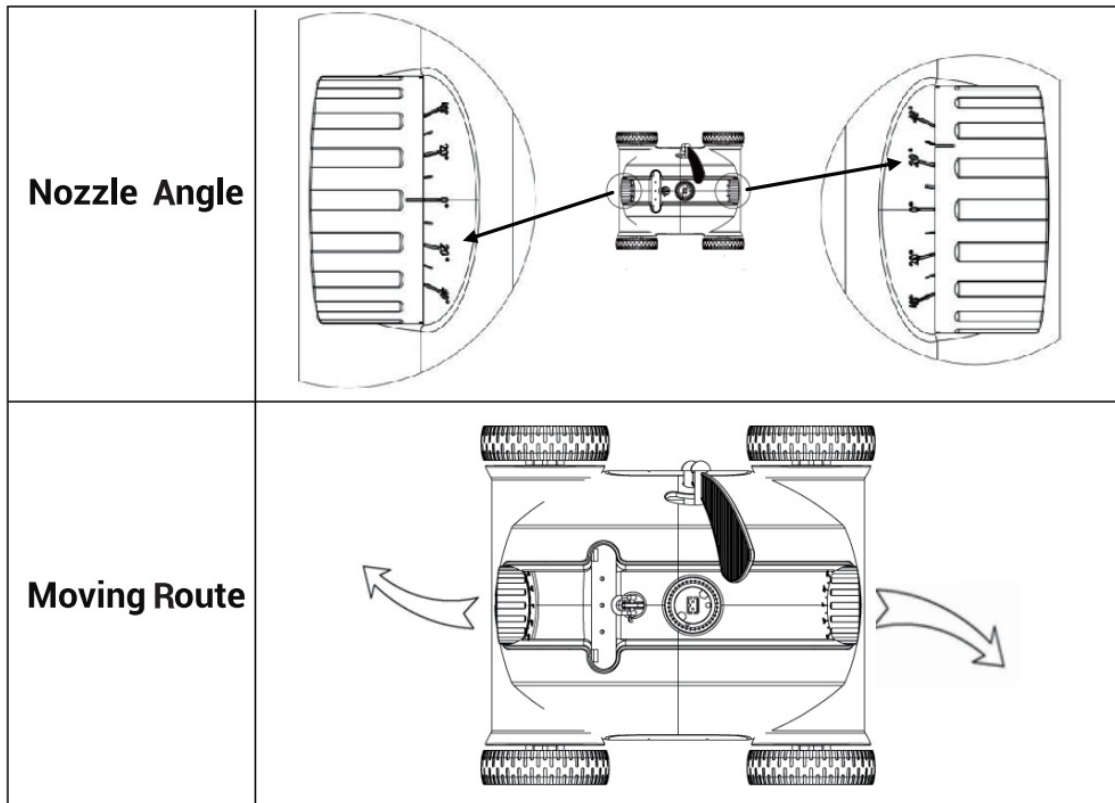
Setting One: default setting: 0°-20°, for most of the pools.

Nozzle Angle	
Moving Route	

Setting Two: 00–40°, when the cleaner does not have full coverage of the pool.

Nozzle Angle	
Moving Route	

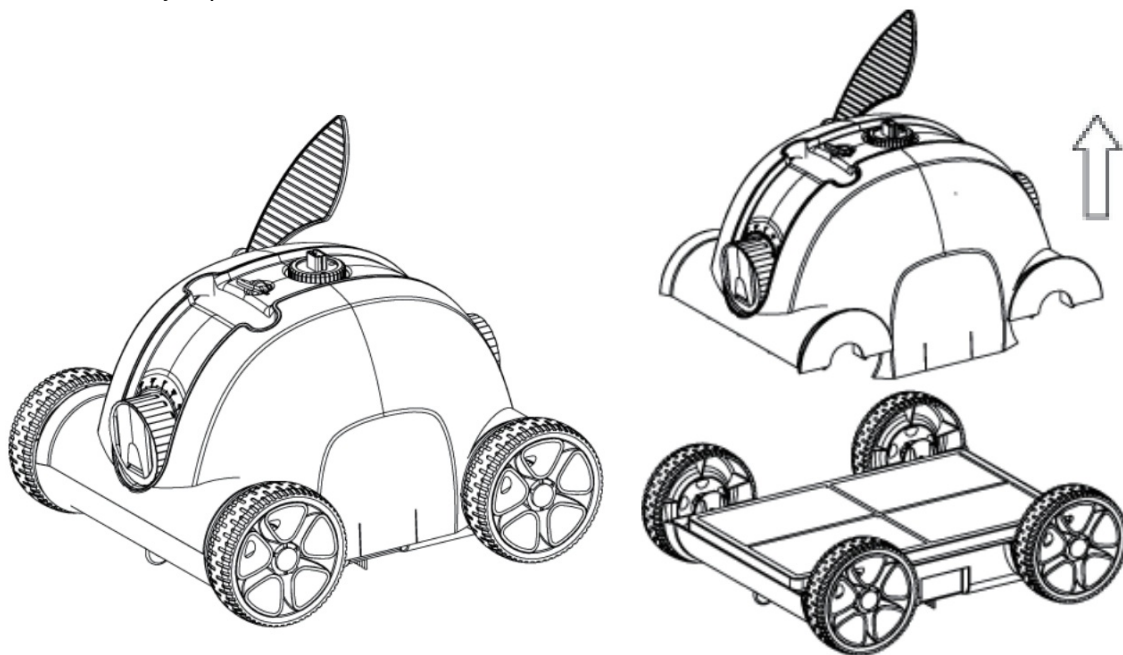
Setting Three: 20°–20°, for round pools.



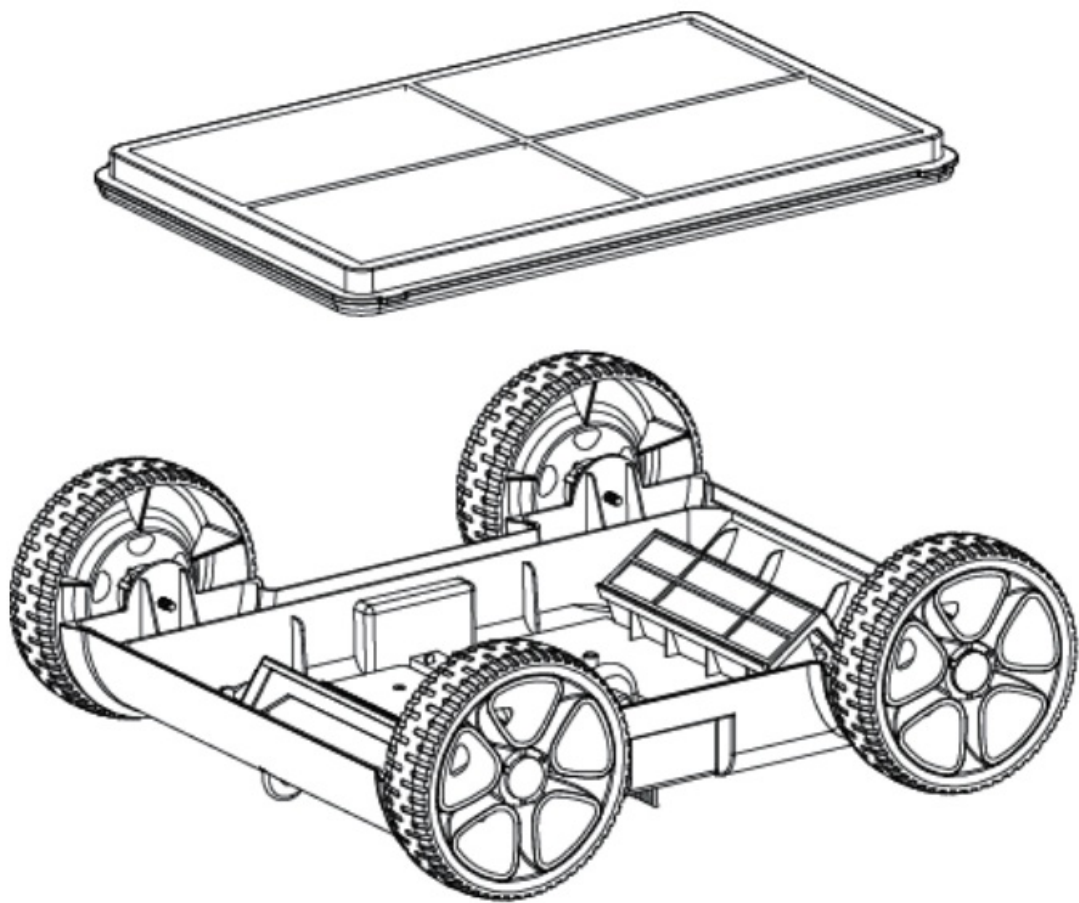
Note: About are recommended settings and different settings might apply to specific pools. So the operator can set according to the principle of nozzle settings and the actual situation of the pool.

4. Clean the filter tray

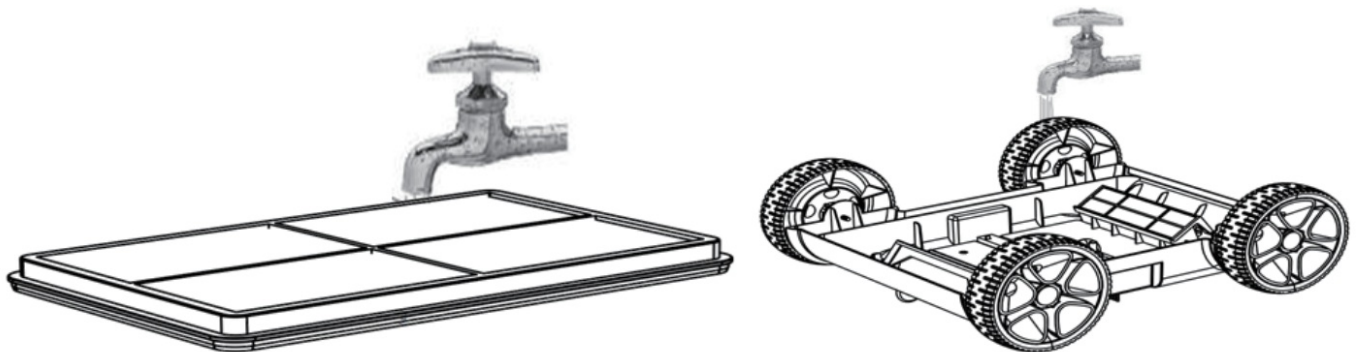
a. Open the cleaner by clips



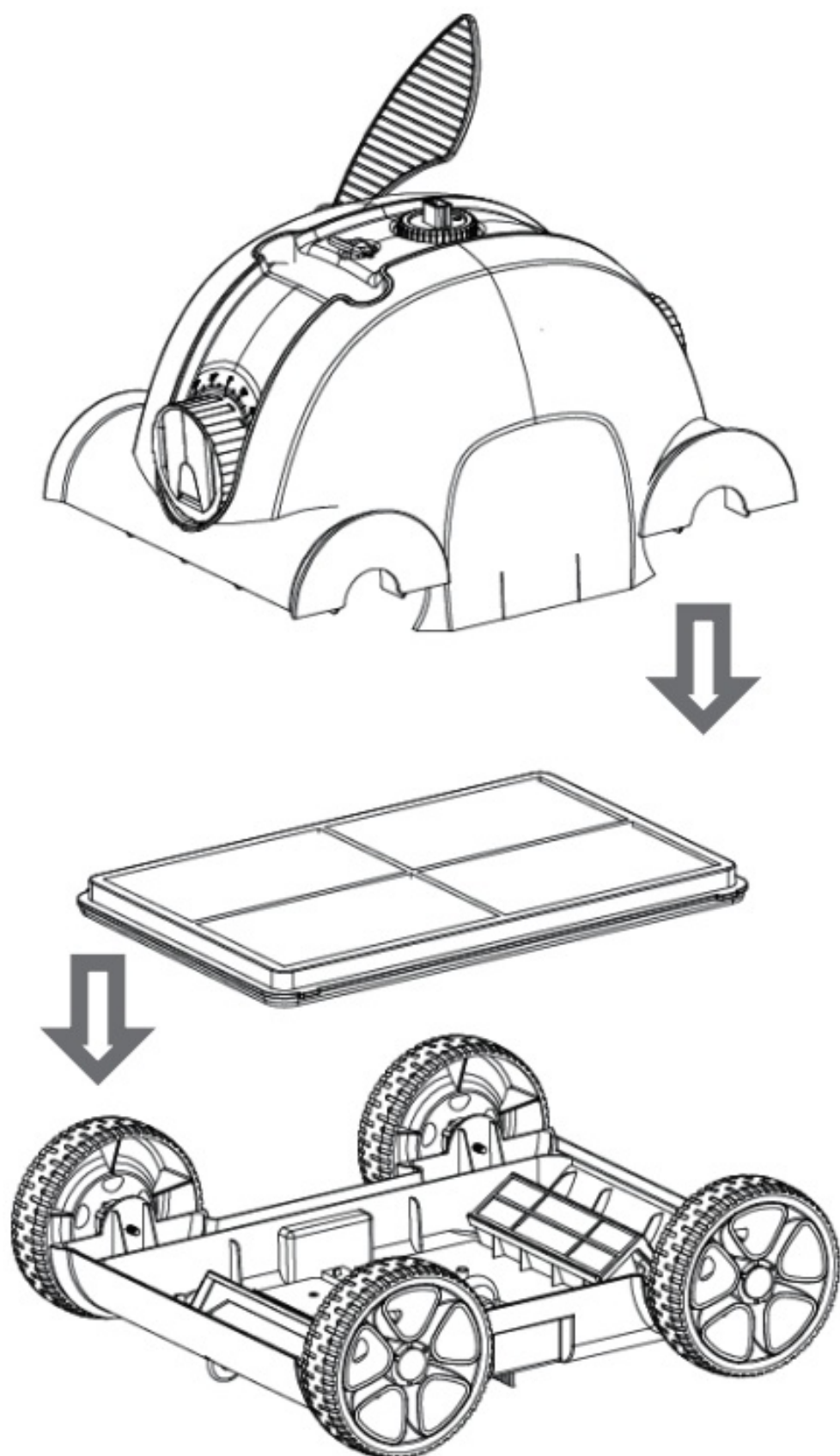
b. Take off the filter tray



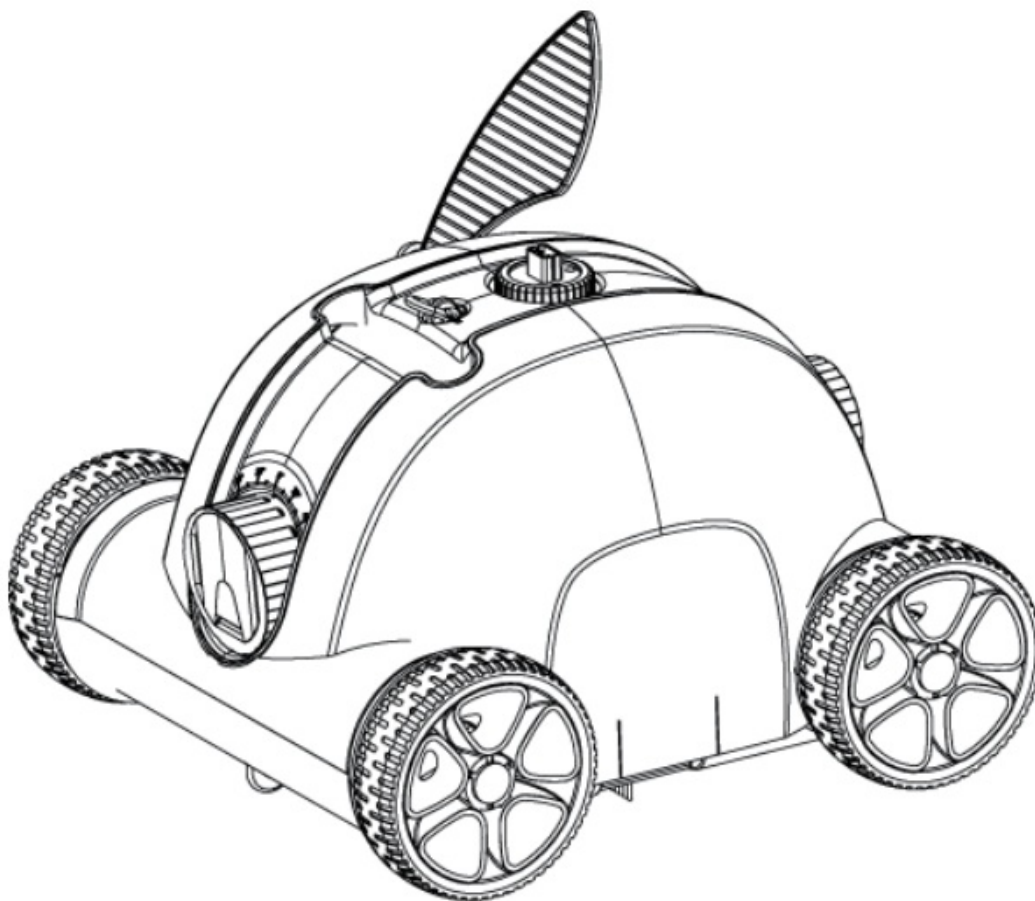
c. Clean the filter tray and chassis



d. Reassemble the cleaner

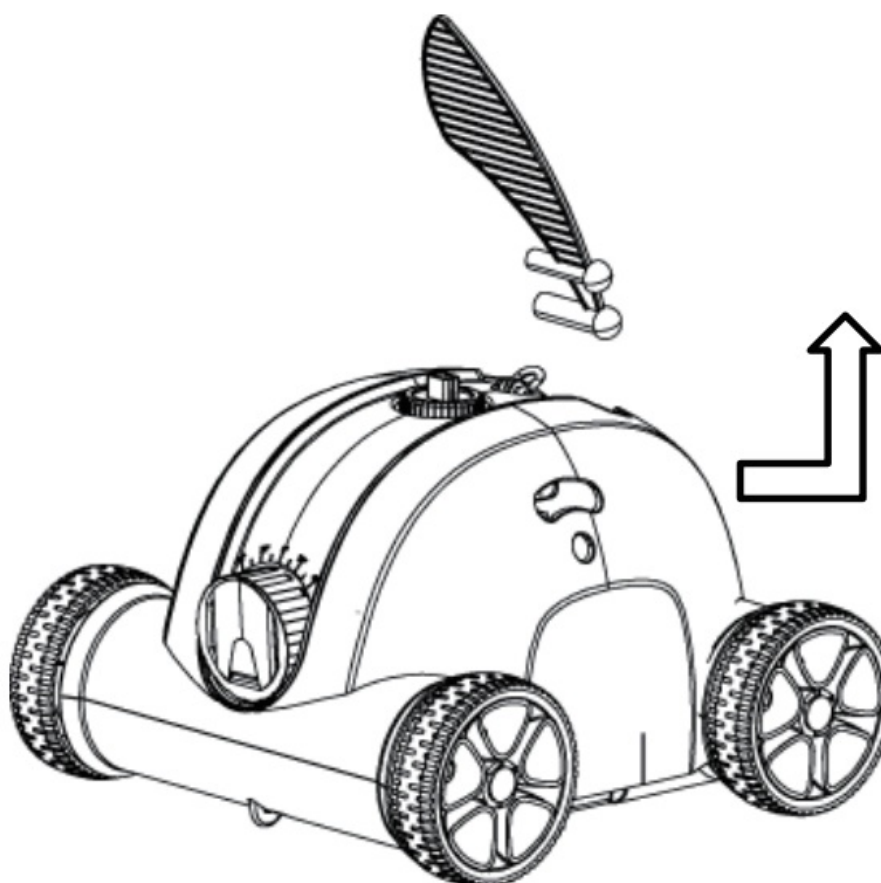


e. Push the clips on

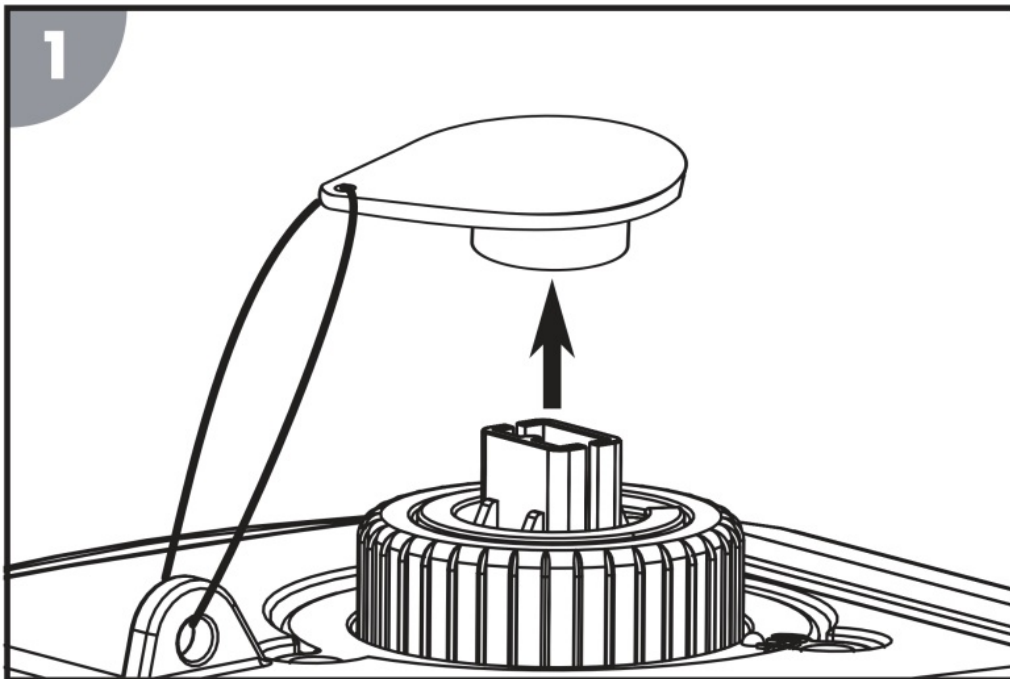


5. Installation and removal of the swing plate

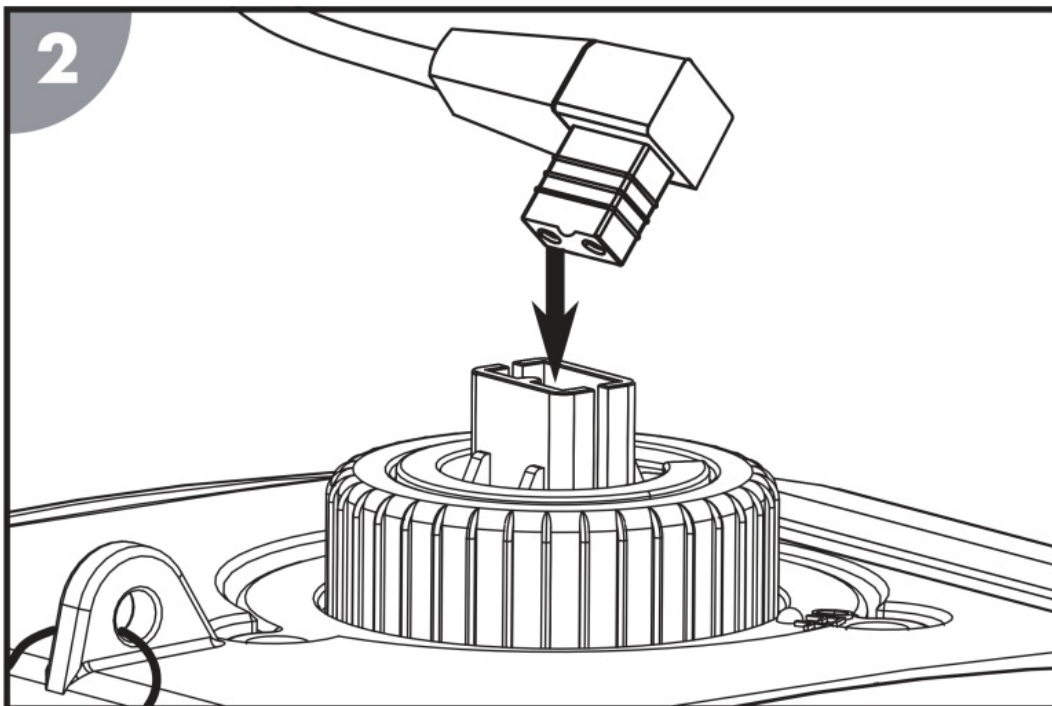
The swing plate can be removed by poking the base buckle upwards and installed by inserting it into the base.



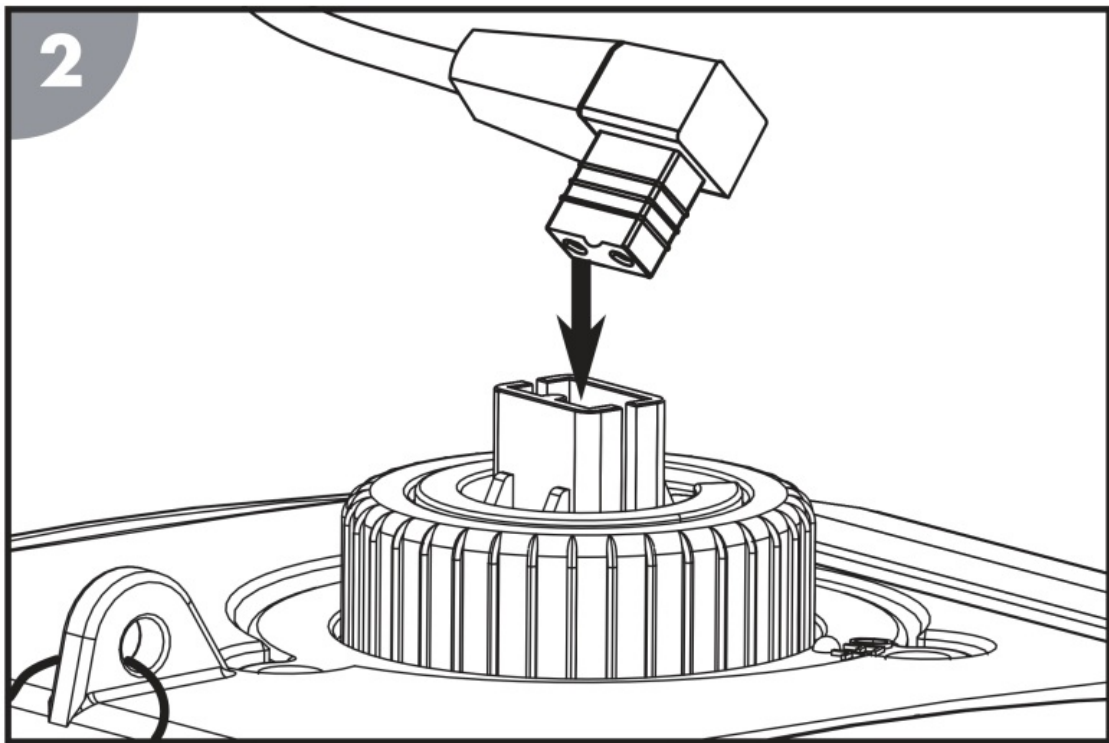
6. Protective cap for charging port



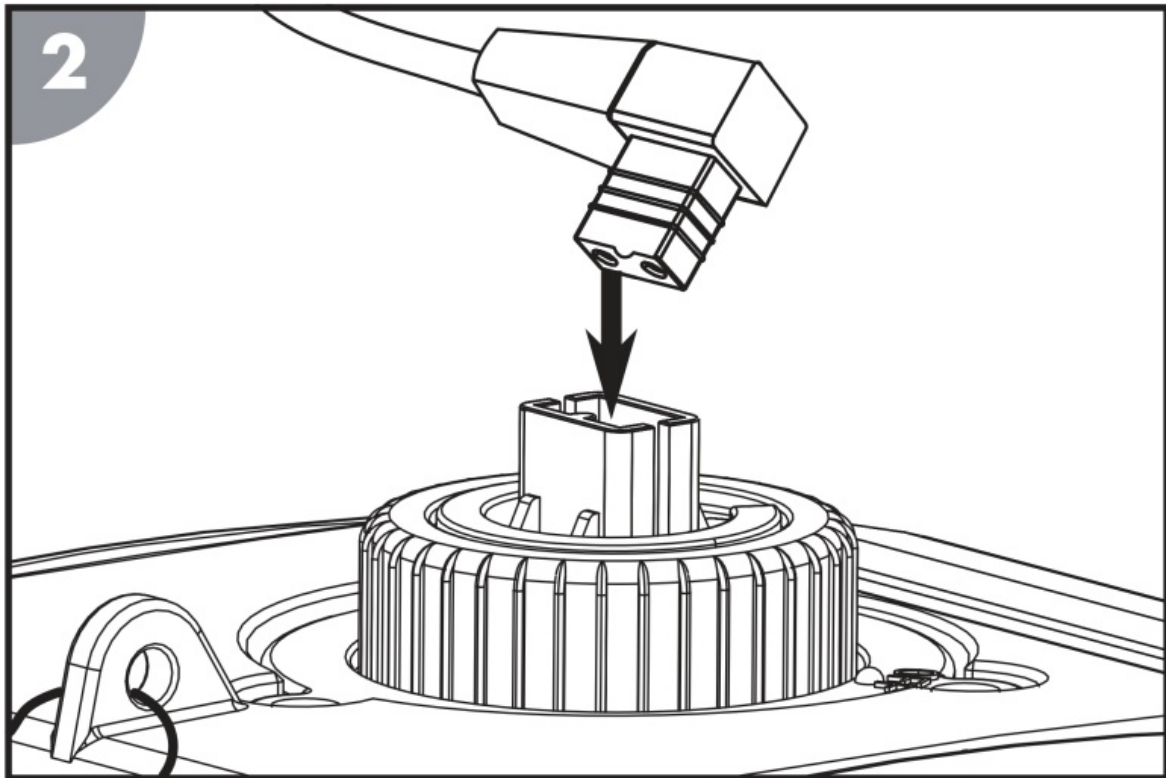
Take the protective cap off to charge



Connect the charger to the device



Attach the protective cap to the charging plug



Note:Keep the charging port dry after use

Troubleshooting

Symptom	Possible reason	Solution
The cleaner does not work and the indicator light slowly flashes	Low remaining battery capacity	Charge the battery
The cleaner does not work and the indicator light rapidly flashes	Internal fault	Contact after-sale service
The cleaner does not work and the indicator light does not work	Battery protection	Charge the battery and power on the cleaner to watch whether the indicator light is on . If not, contact after-sale service
The adapter indicator light does not work	Adapter damage	Contact after-sale service
The cleaner does not have full coverage of the pool	Unsuitable nozzle angle	Adjust nozzle angle
	Special pool shape	Adjust nozzle to increase the angle of deflection
	The pool water filtration system is open	Turn off the water filtration system

Packing List

Item	Name	Model	QTY(pc)	Remark
1	Cleaner body	HJ1103J	1	In carton
2	Adapter	XSG1261800	1	In carton
3	User manual		1	In plastic bag
4	Brush		1	In plastic bag
5	Tow rope		1	In plastic bag
6	Floating handle		1	In plastic bag

Warranty

The warranty is covered for 12 months (only for battery and motor) from the date of its original purchase.

Email: service@aipersmart.com

Free Call: (US) (877)-756-8666

Service Time: Mon.- Fri.: 9:00-17:00PST

Facebook: @AiperSmart

The following are excluded from the Piper Smart warranty cover.

1. Device purchased as secondhand, used, or from unauthorized sellers.
2. Damage resulted from misuse and abusive actions.
3. Damage resulted from chemical, fire, radioactive substance, poison, or liquid
4. Damage resulted from a natural disaster.
5. Damage caused to any third party, person, object, and beyond.

Statement

We can only provide after-sale services for products that are sold by Piper Smart, if you have purchased your unit from a different place, please contact the seller for return and warranty issues.



Documents / Resources

	<p>Aiper Smart HJ1103J ROBOTIC POOL CLEANER [pdf] User Manual HJ1103J ROBOTIC POOL CLEANER, ROBOTIC POOL CLEANER, POOL CLEANER</p>
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