

Poolbird Cleaning Robot User's Manual



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1- Safety precautions

Very important

Read this manual before using the pool cleaner



Before opening or maintaining your robot, make sure it is disconnected from power to avoid injury.



Your Robot is only suitable for use in swimming pools. Any other use is prohibited and will not be covered by warranty.



Do not swim in the pool while the robot is operating to avoid injury.



Do not put the electric box in contact with water, or leave it under the rain it is recommended to store it in the shade, in a ventilated and dry place.



When in use, the electrical box and the trolley must be kept at least three meters from the poolside.



Do not use your robot in case of thunderstorms



Users are only allowed to perform the maintenance described in this manual. Any other maintenance attempt automatically voids the warranty.



Make sure your robot is fully submerged before switching it on.



If you do not use your robot for a long time, disconnect it, clean it and store it in a safe, dry and ventilated place.



If the robot does not work, please refer to Section 6 "Common Failures." If you cannot find the cause, contact your local distributor.



The optimum operating temperature for the cleaner is between 10°C and 32 C°. Avoid direct contact with the sun when not in operation.



Your robot is suitable for pools with a maximum depth of 3 meters.



Lift your pool cleaner out of the water using the handles. Do not lift the cleaner by pulling the floating cable.

2- Overview

2.1- Functions

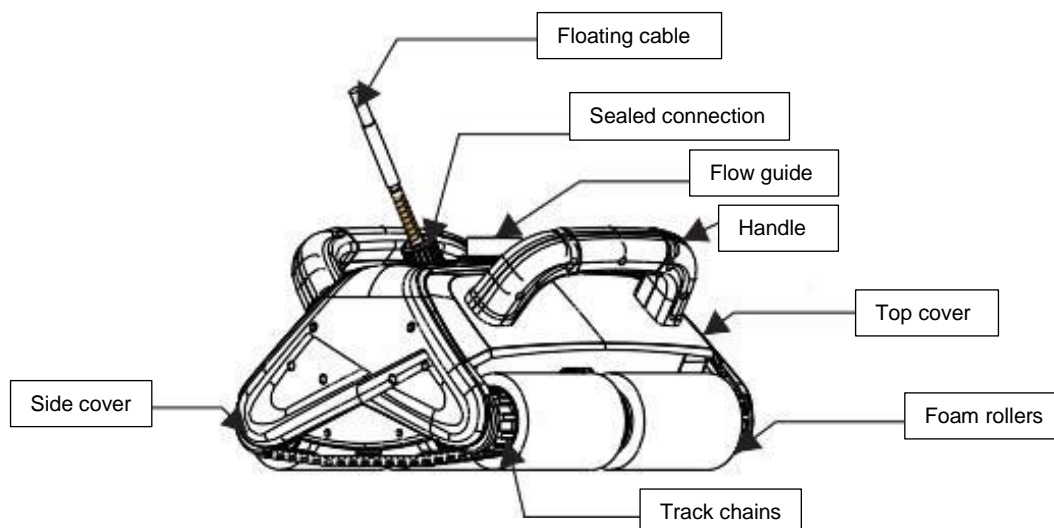
- Automatic Cleaning: The default mode is automatic. It is possible to take control with the remote. When the remote is not in use, your cleaning robot returns in automatic mode.
- Overall cleaning: your robot does not only cleans the bottom of your pool, it also cleans your walls and stairs. Your robot filters the water retaining all dirt in the filter bag.
- Cleaning time: the remote control allows you to choose from three cleaning durations (30 min, 60 min & 120 min.). The robot is factory programmed for a 60 minutes cleaning cycle (floor and walls bottom). Your robot will automatically switch off when the selected duration is over. The electrical box must be disconnected after use.
- Manual cleaning: The remote control can be used at any time to clean immediately a specific area.
- Safety (out of the water): The helix stops immediately when the sensor indicates that the robot is out of the water in order to prevent injury and protect the water pump.
- Emergency stop: the robot stops automatically if a foreign object prevents the helix from turning.

2.2- Technical sheet

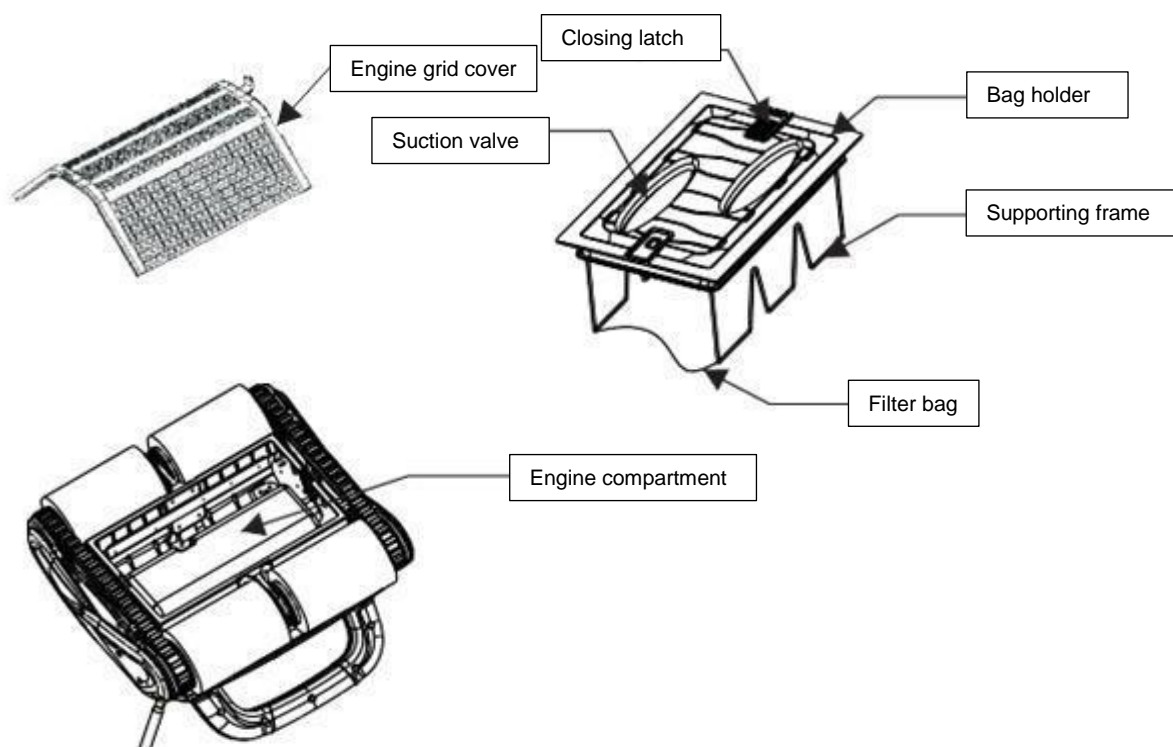
Model	POOLBIRD pool cleaning robot
Input voltage	240 VAC / 50 Hz
Power	200 W
Program length	30 min. / 60 min. / 120 min.
Standard cable length	20 meters
Filter bag	Standard: 70 µm + 20 µm
Water pump flow rate	18 m³/h
Speed	20 meters / min.
Sealing protection	IP68
Optimum storage temperature	0°C – 40°C
Optimum working temperature	0°C – 32°C
Dimensions (L * W * H)	452.5 * 487.8 * 292 mm
Packing dimensions (L * W * H)	574 * 574 * 413 mm
Overall total weight	20.6 kg
Cleaning robot weight	13.9 kg

2.3 – Components

Main components

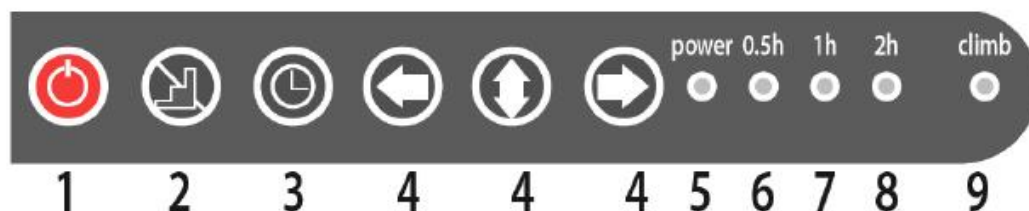
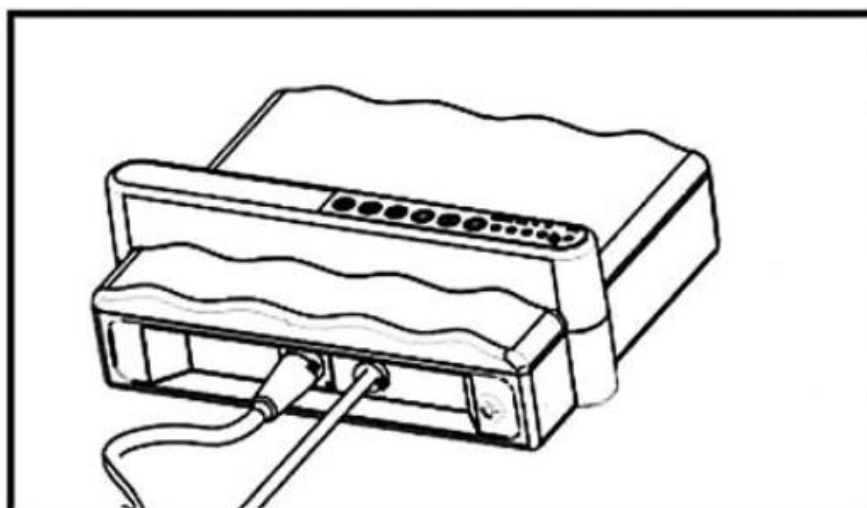


Pic. 2.3.1



Pic. 2.3.2

Electric box components

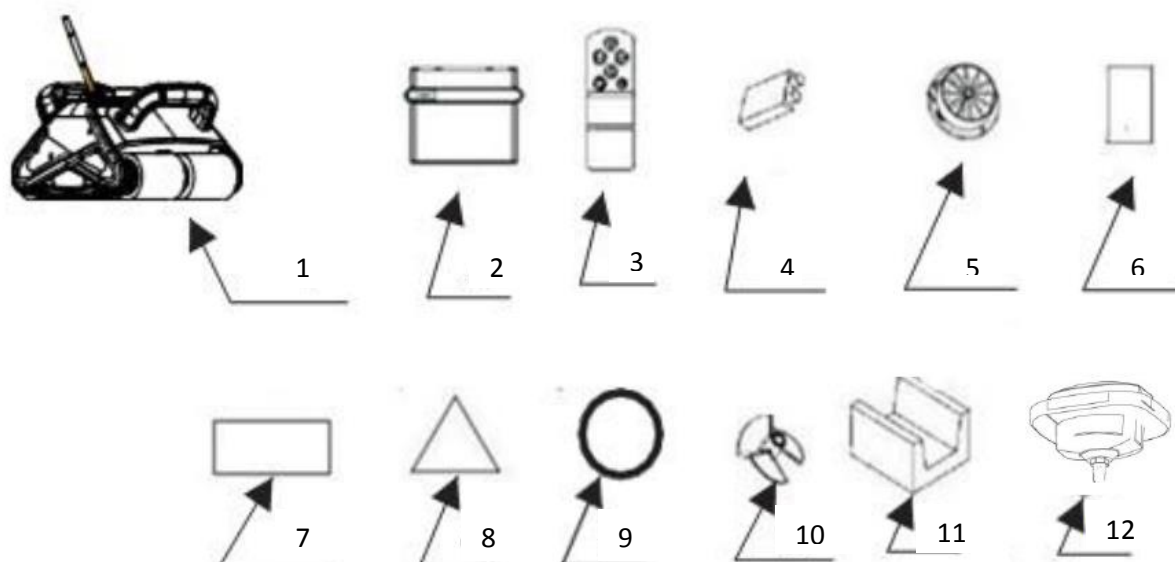


Pic. 2.3.3

- 1- ON / OFF (LED no 5)
- 2- Bottom/ lower part of walls and Bottom/walls (LED no 9)
- 3- Cycle length programming – 30 min. / 60 min. / 120 min. (LED n° 6 – 7 – 8)
- 4- Manual control of the cleaning robot through electrical box

3- Component list

Number	Component	Complete robot package	Robot + battery	Robot + electrical box	Qty
1	Robot	X	X	X	1
2	Electrical box	X	-	X	1
3	Remote control	X	X	X	1
4	RC battery	X	X	X	1
5	Flow guide	X	X	X	1
6	User's manual	X	X	X	1
7	Warranty card	X	X	X	1
8	Quality certificate	X	X	X	1
9	Track chains	X	X	X	1
10	Helix	X	X	X	1
11	Filter bag	X	X	X	1
12	Battery	X	X	-	1

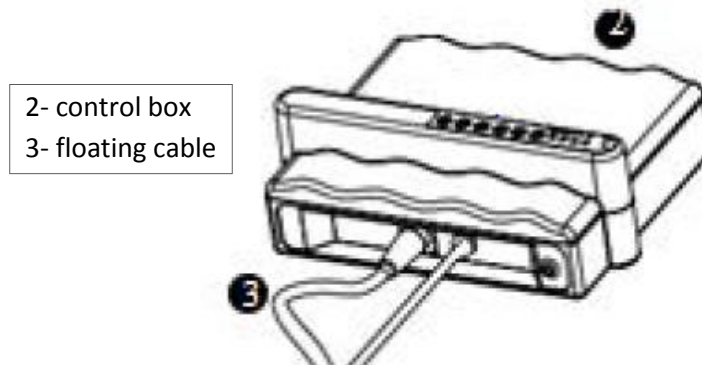


Pic. 3.2.1

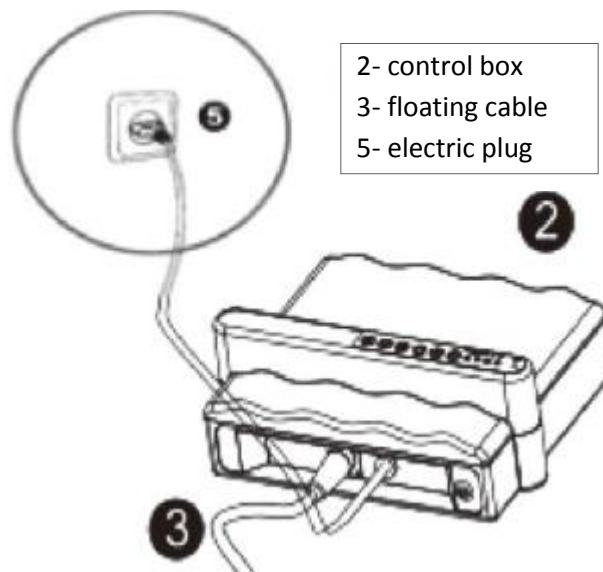
4- Starting

4.1- Electrical connection

- Please connect the robot cable in the electric box (see Pic.4.1.1). Be careful not to force, an alignment key allows proper insertion. Then connect the box to a 220V power outlet (see Pic.4.1.2).
- Warning: The electrical box must not come into contact with water. Do not let under the rain or stored outside!
- Please ensure that the box is stored in a ventilated and dry place.

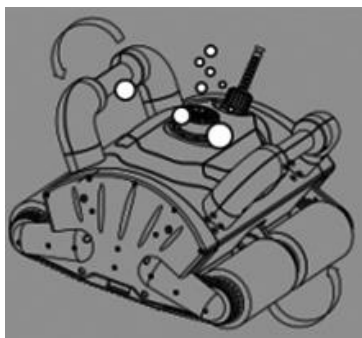


Pic. 4.1.1



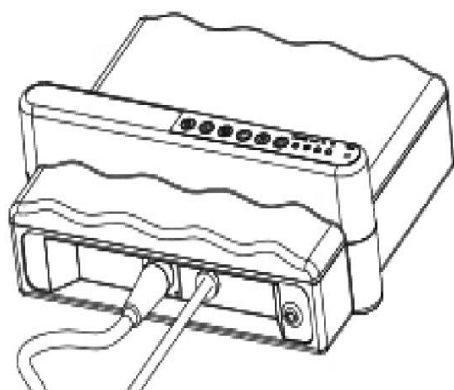
Pic. 4.1.2

4.2- Startup procedure





Pic. 4.2.1

- 1 - Submerge the robot, and move it in all directions to expel the air.
- 2 - Press foams with hands to saturate them with water
- 3 - Warning: in case the robot does not sink in water, it certainly means that it still contains air. then repeat steps 1 and 2.




Pic. 4.2.2

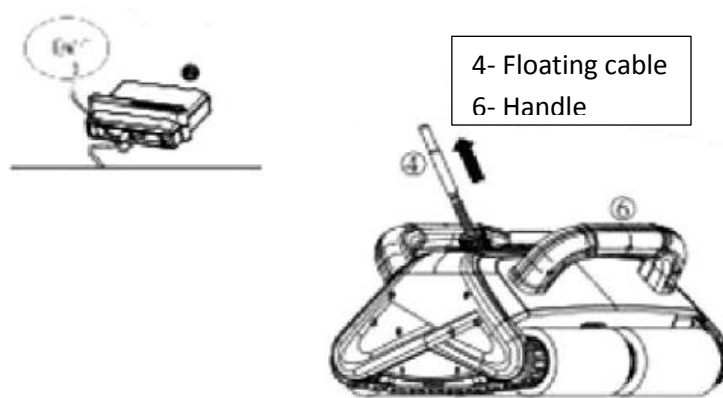
Ignition: Press the button 1  . The ignition light 5 and the cycle indicator 7 (*60 minutes - floor/wall bottom*) will light up.

You can choose another cycle length by using the button on  the remote control or on the control box. The LED lights indicate which cycle is selected. It is possible to modify the original cycle at any time at the beginning or during the cycle. (*Factory setting 60 min.- floor and walls bottom*).

4.3- Shutdown procedure

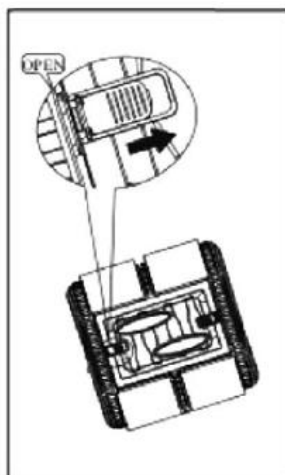
a- **To turn off the robot:** Press the button . Slowly pull the cable until the handle comes above the water. Use this handle to pull the robot and place it on the edge of your pool, allow to drain.

NB: at the end of the cycle, the robot will automatically stop against a wall.

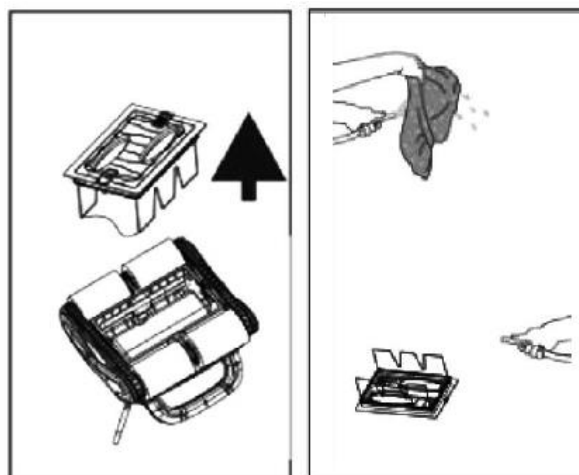


Pic 4.3.1

b- **Clean the robot bag:** After each use, the filter will need to be cleaned. In order to do this, carefully turn the robot upside down on the floor and unlock the two clips (Pic. 4.3.2). Then remove the bag from the frame and clean it bag with a water jet, or under a tap (Pic.4.3.3). Once clean, put the bag on the metal frame and insert back into the robot when dry. Occasionally, it is possible to wash the filter bag in the washing machine on the cold program. (NB: When you put the bag on the frame, make sure that the long sides of the bag are taut to ease the frame closing).

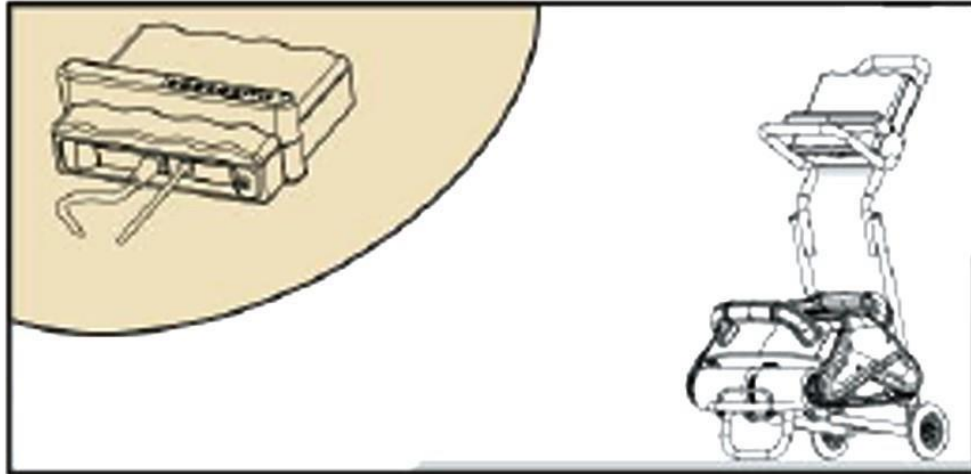


Pic. 4.3.2



Pic.4.3.3

c- Robot Storage: When the robot is dry, disconnect the cable box and wrap it. Then place it in a dry, well-ventilated area. If you own the cart, you can wrap the cable on top of it (Pic.4.3.4).

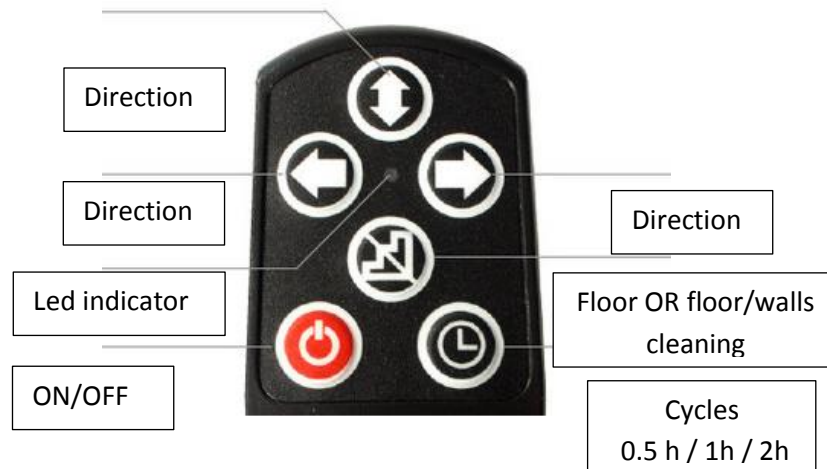



Pic. 4.3.4




4.4- Remote control

The remote control includes (Pic. 4.4.1):

- ON/OFF Button
- Led indicator
- Direction buttons
- Timer button
- Floor cleaning button




ON/OFF Button  : turns the cleaning robot on or off

Direction buttons : controls the robot's moves (back/forth , left , right )

CAUTION : Do not press several times on the same button, the robot would spin on itself and the cable would get tangled.

Timer  : selects the cleaning duration (30 min. / 60 min. / 120 min.)

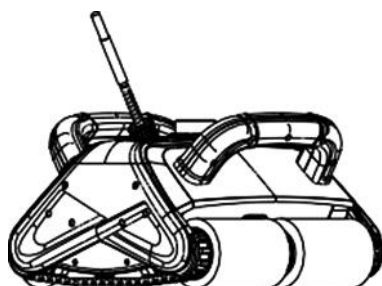
Floor or floor/wall cleaning  : allows to switch anytime from "Floor/bottom of walls" cleaning program to "floor/walls" cleaning program.

4.5- Watertight connection



Pic. 4.5.1

Step 1 : Insert the watertight connection into the robot (Pic. 4.5.1). An alignment key indicates insertion direction



Pic. 4.5.2

Step 2 : Screw the locking nut clockwise. (Pic. 4.5.2)



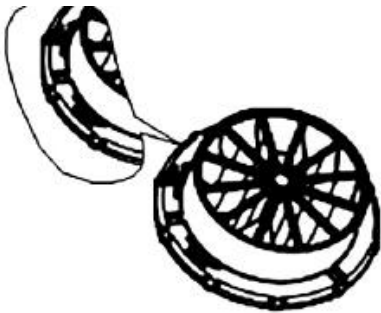
Pic. 4.5.3

Step 3 : Secure the floating cable on the hook (Pic.4.5.3).

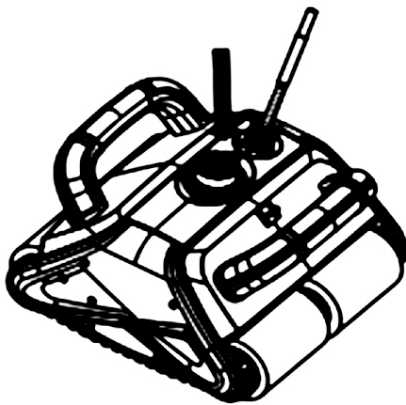
5- Maintenance

5.1- Helix

Replace the helix when the old one is worn or damaged.



Step 1: Turn the flow guide clockwise to remove it from the robot. (Pic 5.1.1)



Step 2: Use a Phillips head screwdriver to remove the nut and the screw. (Pic.5.1.2)

Pic. 5.1.1

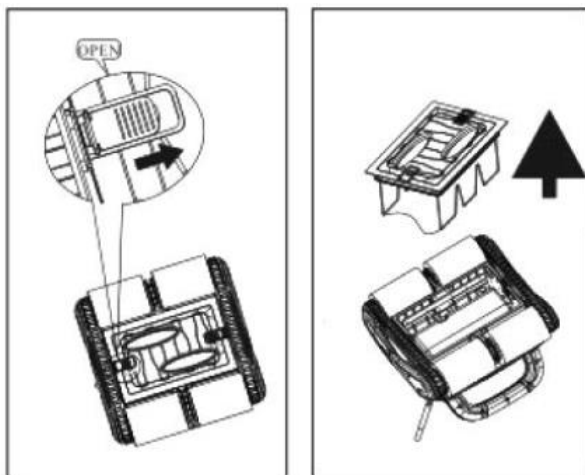


Step 3: Place the new propeller and complete step in reverse order.

Pic. 5.1.2

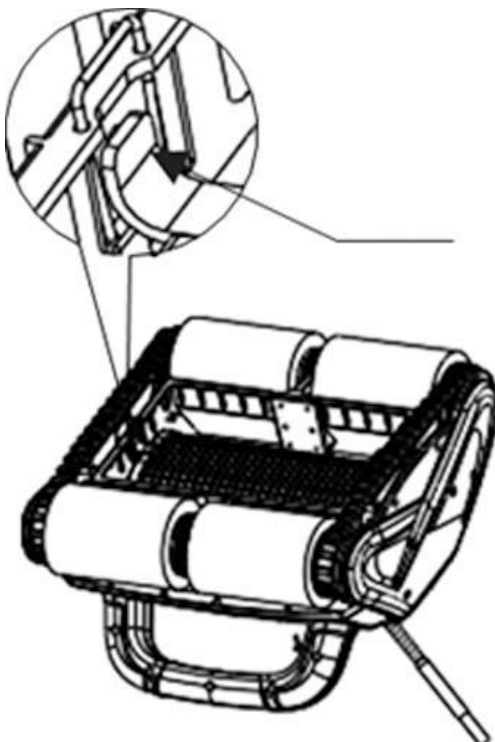
5.2- Roller brushes

Replace the rollers when the old ones are excessively worn or damaged.



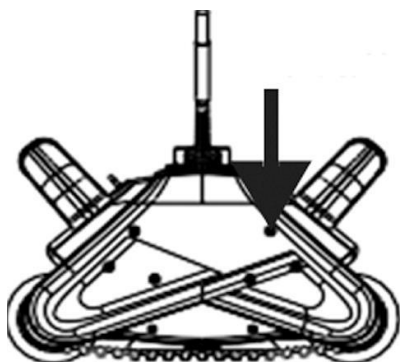
Pic. 5.2.1

Step 1: Flip robot on the ground, and remove the bracket. (Push to unlock the fasteners). (Pic.5.2.1)

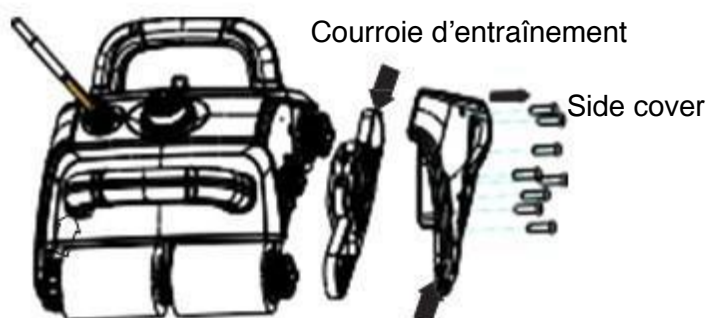


Pic. 5.2.2

Step 2: Remove the filter bag of the robot by pushing the clips as shown. (Pic.5.2.2)

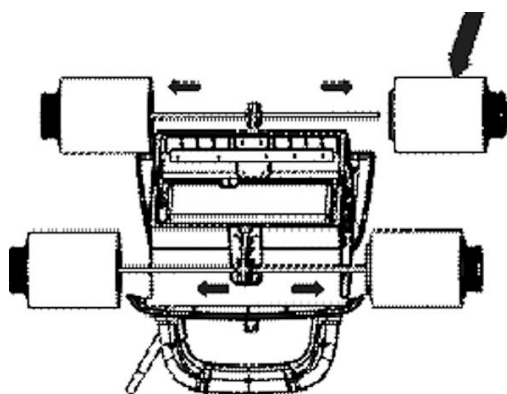


Step 3: Using a Phillips screwdriver and a 7 mm socket, unscrew all screws and nuts of the sides. (Pic.5.2.3)



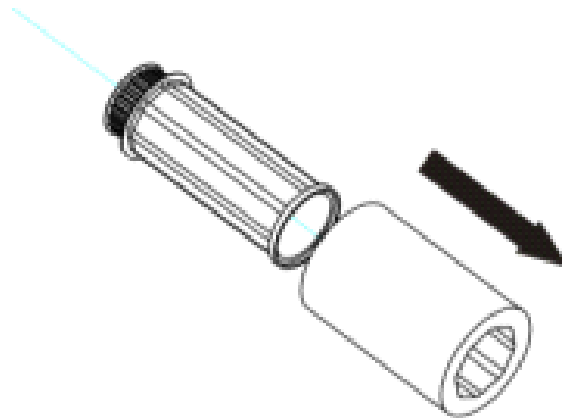
Pic. 5.2.3

Cleaning rollers



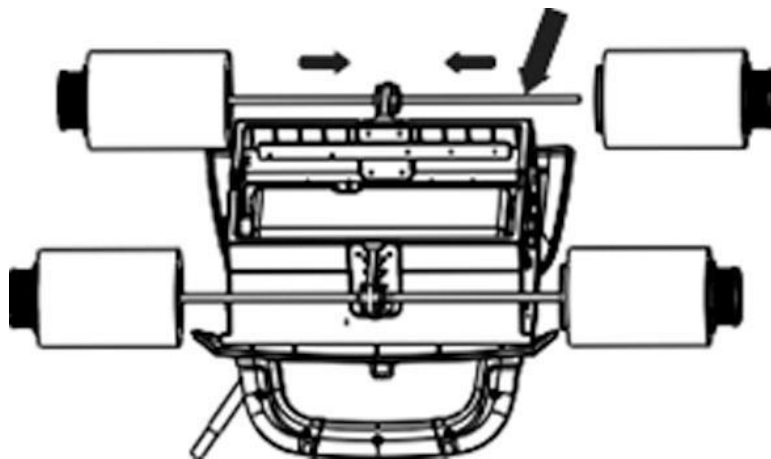
Step 4: Remove the rollers from their axis. (Pic.5.2.4)

Pic. 5.2.4



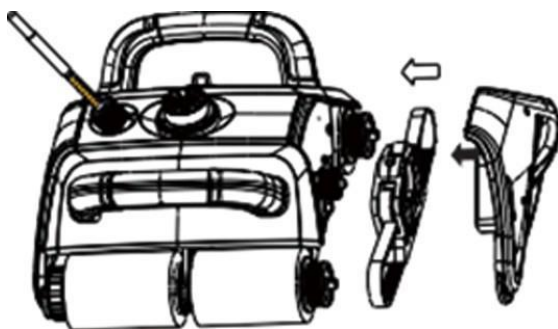
Pic. 5.2.5

Step 5: Drag the old sponge from its plastic holder.
Then place the new sponges. (Pic.5.2.5)



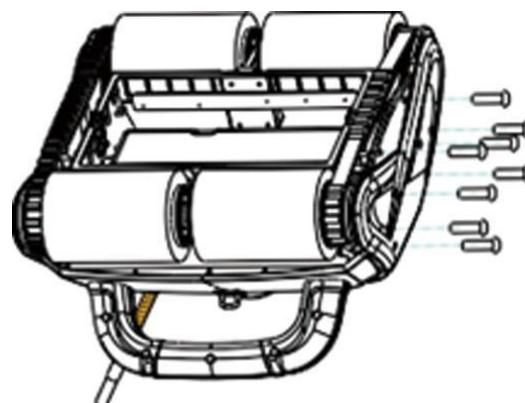
Pic. 5.2.6

Step 6: Enter the axis in the rollers fitted with new sponge. (Pic.5.2.6)



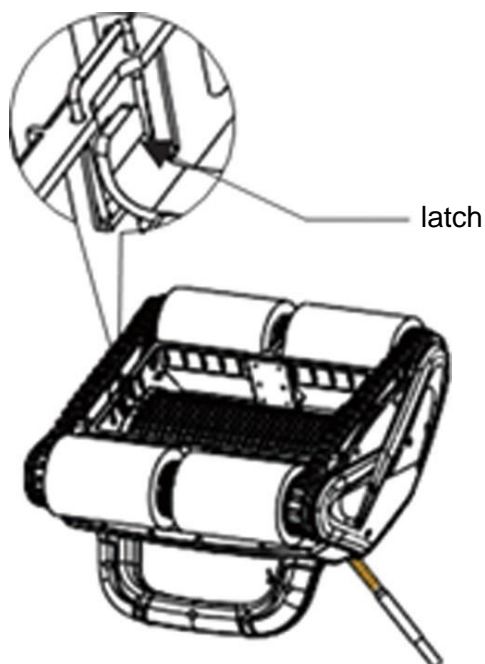
Pic. 5.2.7

Step 7: Assemble the transmission elements and the side of the robot. (Pic.5.2.7)



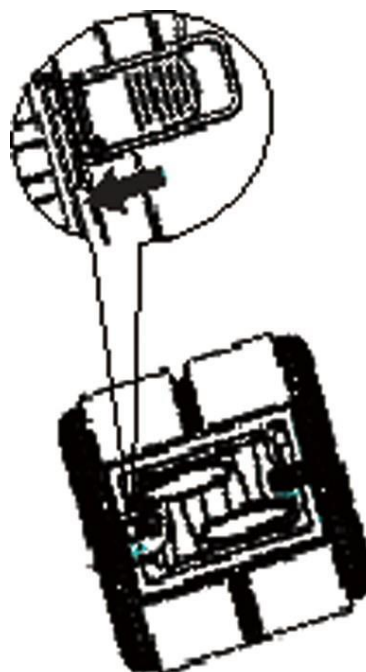
Pic. 5.2.8

Step 8: Fasten the transmission and the sides to the robot. (Pic.5.2.8)



Pic. 5.2.9

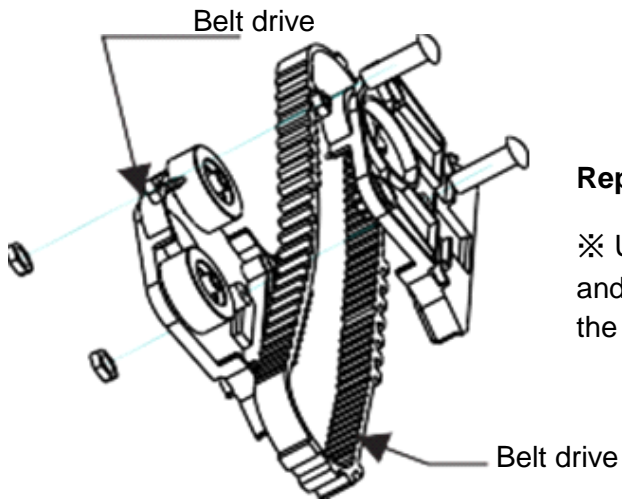
Step 8: Place the filter bag in the robot. Press the net until the clips are inserted into their slots. (Pic.5.2.9)



Pic. 5.2.10

Step 9: Fasten the transmission and the sides to the robot. (Pic.5.2.10)

5.3- Belt drive (Proceed to step 5.2 before)



Pic. 5.3.1

Replace drives belts if broken (Pic 5.3.1)

※ Using a Phillips head screwdriver, remove the screws and nuts that hold the side cover and remove it. Remove the drive cover and replace the drive belt (Pic.5.3.1)

5.4- Filter bag

When the filter bag is dirty as shown below (Pic 5.4.1) or when the bag has been damaged, please refer to section 4.3.2. for replacement.



Pic. 5.4.1. (dirty filter bag)

6- Troubleshoot and light indicators

Symptoms	Cause	Solution	Comments
The robot is not functioning	The pug is not connected	Connect the plug	Please turn off the power before performing any maintenance.
	Bad connection	Check the connections	
Suction is weak	The helix is obstructed	Clean the helix	
	The helix is damaged	Replace the helix	
	The filter bag is full	Clean the filter bag	
The robot always rotates in the same direction	A driver belt is loose or broken on one side	Replace the driver belt	
	The filter bag is full	Clean the filter bag	
The robot does not climb on the walls	The filter bag is full	Clean the filter bag	
	A driver belt is broken	Replace the driver belt	
	Roller is worn out	Replace the roller	
	Roller axis is worn out	Replace the roller axis	
The robot fails to sink to the bottom of the pool	Sponges are not soaked enough	Hold the robot in the water until foams are soaked and press it.	
	There is air inside the machine	Flip the robot in the water and make sure that the air escapes	
Dirt comes out of the flow guide	The filter bag is unfastened or broken. The dirt is too fine for the bag.	Replace or correctly reset the filter bag.	

Note: The power supply box must be **disconnected** from power before performing any maintenance on the robot. Contact your local distributor for other problems not listed [here](#)

Light indicator	Solution	Reason
Green light flashes	Robot has stopped because of lack of water	Put the robot back in deeper water and start back the program
Yellow light flashes	The engine has overheated	Contact your supplier
Blue light flashes	Robot is upside down	Turn it right side up and start back the program
Blue & green lights flash	The traction engines are in safe mode	Check the transmission and look for stuck debris or damages. Remove the debris or replace the damaged parts and restart the robot.
Blue, green and yellow lights flash	The pump engine is stuck	Turn off the robot and check that the helix is not stuck or damaged. Clean or replace the helix and restart the robot.

7- Checklist

- 1- Please turn off the robot according to chapter 4.3 when the pool cleaning is done
- 2- Please inspect and clean the helix and the flow guide according to chapter 5.1 after each use.
- 3- If you do not use your robot for a long time, make sure the electrical box and the robot are turned off and stored in a dry, ventilated place with a temperature between 0 and 40 ° C.
- 4- If the robot needs repair, please contact your local or national supplier.