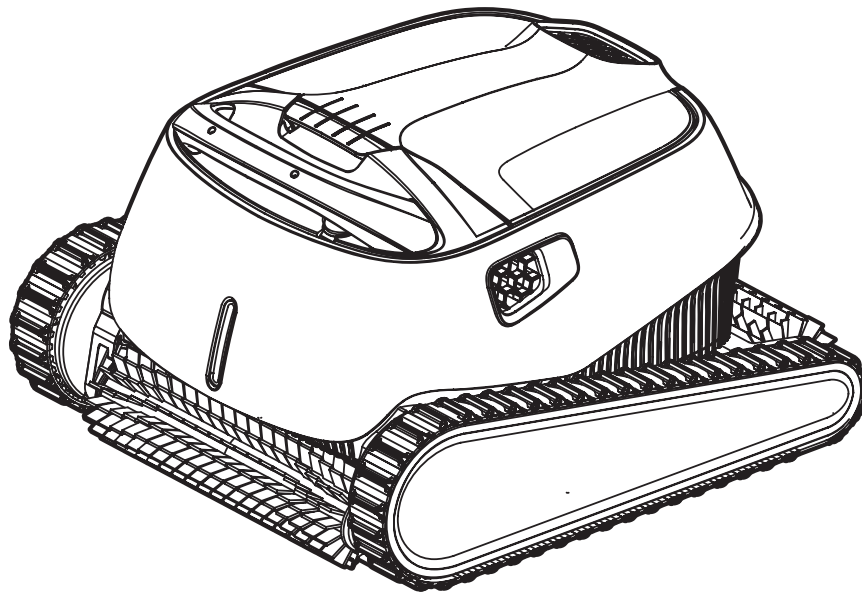




PROWLER[®] 920

ROBOTIC INGROUND POOL CLEANER



INSTALLATION AND USER'S GUIDE

IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS

CUSTOMER SERVICE / TECHNICAL SUPPORT

If you have questions about ordering Pentair Aquatic Systems replacement parts, and pool products, please use the following contact information:

Customer Service and Technical Support
 8 A.M. to 5:00 P.M.
 Phone: 1300 137 344

Web site
 visit **www.pentairpool.com.au**
 to find information about Pentair products.

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INTRODUCTION, SPECIFICATIONS AND WARNINGS

INTRODUCTION

Thank you for purchasing a Pentair Robotic Pool Cleaner.

We are sure that your Pentair Robotic Pool Cleaner will provide you with reliable, convenient and cost-effective pool cleaning. Its reliable filtration in all pool conditions and active brushing, enhance pool hygiene.

Robotic Pool Cleaners by Pentair deliver advanced cleaning technologies, long-lasting performance and easy maintenance. You and your family will be free to enjoy your swim with full confidence that your pool is completely clean.

SPECIFICATIONS

Motor protection: IP 68

Minimum depth: 0.80m / 2.6ft

Maximum depth: 5m / 16.4ft

Digital Power supply

Input: 200-230 AC Volts

50-60 Hertz

Output: <30 VDC

IP 54

WARNINGS AND CAUTIONS

Warnings



- Use the originally supplied power supply only
- Ensure the electrical outlet is protected by a ground fault interrupter (GFI) or an earth leakage interrupter (ELI). Or residual current device (RCD) see page 11.
- Keep the power supply out of standing water
- Position the power supply at least 3m/10ft away from the edge of the pool
- Do not enter the pool while the Pool Cleaner is working
- Unplug the power supply before servicing

Cautions

Use the Pool Cleaner in the following water conditions only:

Chlorine	Maximum 4 ppm
pH	7.0-7.8
Temperature	6-34°C
NaCl	Maximum 5000 ppm

PREPARATION OF THE POOL AND CLEANER

Overview

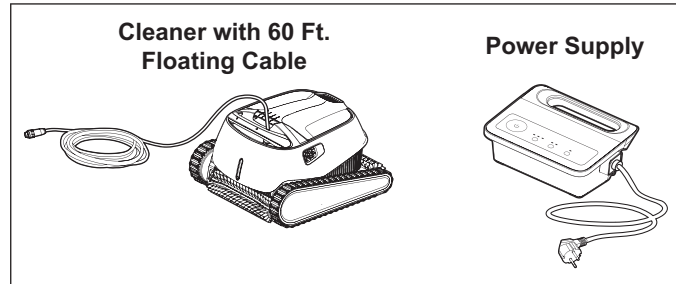
Prowler® 920 Robotic Pool Cleaners are designed to scrub, vacuum, and filter (including the waterline) your inground pool. Before operating this product, be sure to read and follow all warning and safety instructions on pages ii-iii.

Cleaner Components:

- Cleaner with 60 ft. Floating Cable
- Power Supply

Cleaner Features:

- Weekly Timer
- Wall and Waterline Scrubbing
- Top Loading Basket Filtration



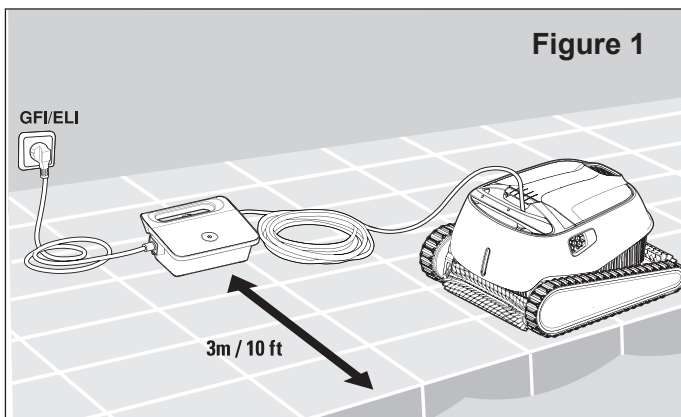
Initial Setup

Before using the cleaner for the first time, perform the following procedures:

STEP 1:

Power Supply and Caddy Placement

Position the power supply at least 10 feet (3 m) from the edge of the pool. See **Figure 1**.

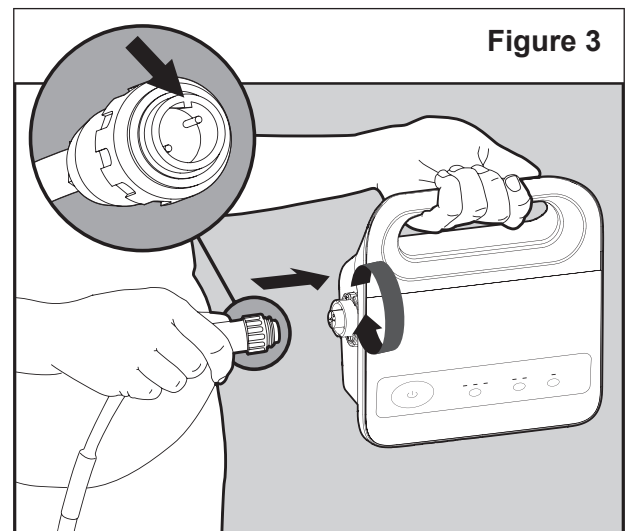


STEP 3:

Connect Power Supply to Cleaner

Connect the floating cleaner cable to the power supply.

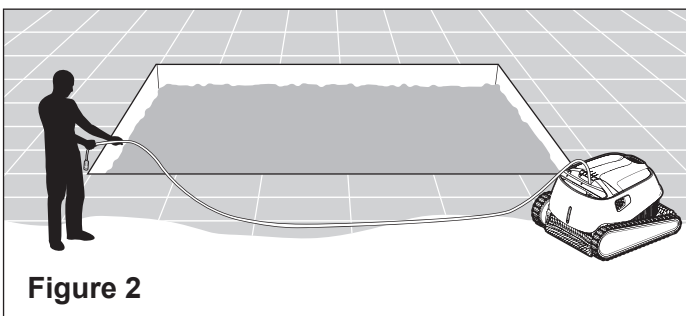
Ensure the connector notch is lined up with the corresponding groove in the socket on the power supply. Turn the cable connector clockwise to lock the cable into the power supply connection. See **Figure 3**.



STEP 2:

Unroll Floating Cleaner Cable

Unroll the floating cable and stretch it out completely so that it has no kinks. See **Figure 2**.

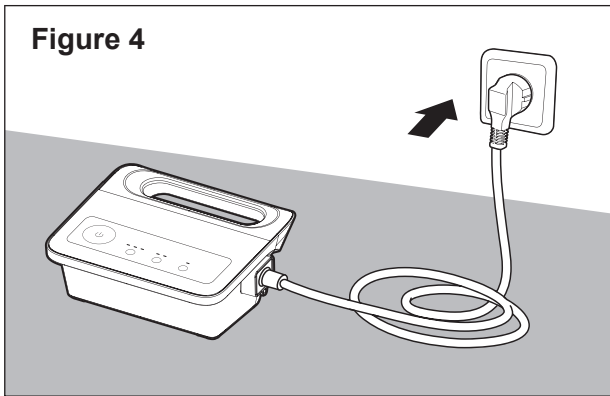


STEP 4: Connect Power Supply to Power Source

Connect the power supply to the electrical source/outlet. See **Figure 4**.

⚠ WARNING RISK OF ELECTRICAL SHOCK OR ELECTROCUTION: Connect only to a grounding type receptacle protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.

⚠ WARNING To reduce the risk of electrical shock, do not use extension cord to connect unit to electrical supply; provide a properly located outlet.



STEP 5: Placing the Cleaner in the Pool

⚠ CAUTION Do not switch the pool cleaner to "ON" if it is not fully immersed in water. Operating the cleaner out of water will immediately cause severe damage and will result in loss of warranty. Do not leave the cleaner in the pool all the time. Always remember to turn the power supply "OFF" and unplug it from the power outlet before removing the cleaner from the pool.

1. Be sure the power supply is positioned at least 10 feet (3 m) from the pool.
 2. Lower the cleaner into the pool by the handle (see **Figure 5**).
- Note:** Never lower the cleaner into the pool by the floating cable. This puts an unnecessary strain on the cable and could result in damage to the cleaner.
3. Gently tilt the cleaner from side to side or turn upside down to release trapped air. See **Figure 6**.

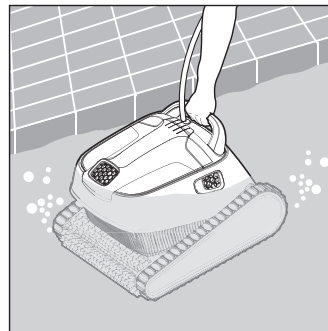


Figure 5

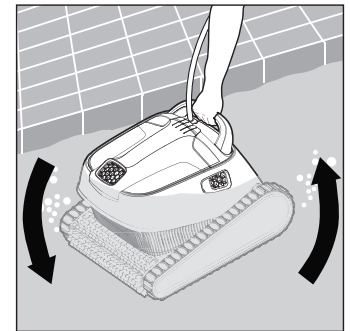


Figure 6

Weekly Timer

The power supply has a timer control that allows you to set an automatic cleaning schedule each week. Be sure the cleaner is fully immersed in water before turning on the power.

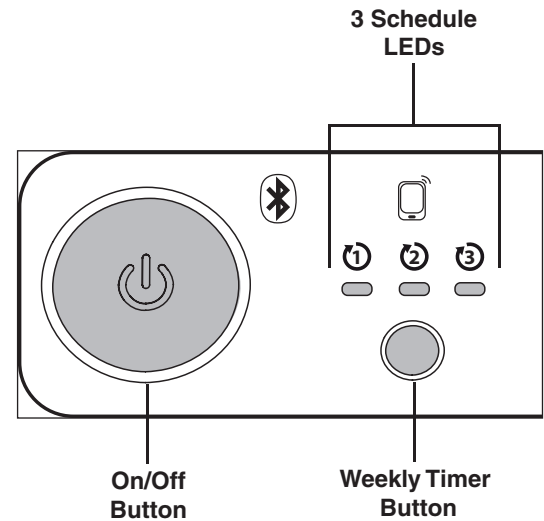
Setting the Weekly Timer

When the power supply is switched on, you may choose a pool cleaning schedule for the coming week by pressing the Weekly Timer button.

Note: The cleaner will always begin to work upon set-up.

Schedule LEDS:

- LED 1** - The cleaner will automatically work every day for a full cycle = 7 times per week. Press the Weekly Timer button once to select this interval.
- LED 2** - The cleaner will automatically work every other day for a full cycle = 3 times per week. Press the Weekly Timer button twice to select this interval.
- LED 3** - The cleaner will automatically work every 3 days = 2 times a week. Press the Weekly Timer button three times to select this interval.



Pressing the Weekly Timer button four consecutive times will reset the cleaner's schedule. If you do not press any of the buttons within the first 5 seconds after the power has been switched on, the cleaner will default to running one cycle only.

While the cleaner is working in weekly timer mode, the appropriate Weekly Timer LED will blink constantly between cycles. At the end of the week the power supply automatically shuts off.

MAINTENANCE

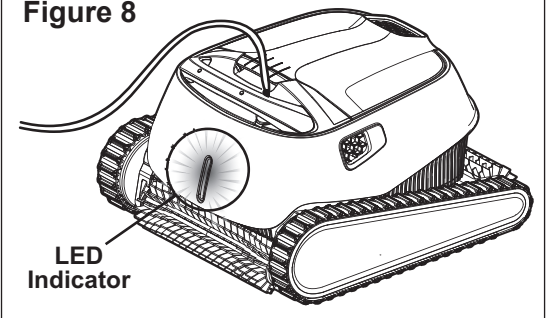


WARNING Make sure the cleaner's power supply is turned "OFF" and is disconnected from the electrical source/outlet before servicing the cleaner. Moving parts may injure hands or fingers if cleaner inadvertently powers on during servicing.

LED Indicator Lights

The Prowler® 920 Robotic Pool Cleaner includes an LED indicator just above the scrubber on the front side of the cleaner (see **Figure 8**). During normal operation powered by the power supply the LED indicator will blink blue.

Figure 8



Removing the Cleaner from the Pool

The cleaner will shut off automatically at the end of a cleaning cycle. Follow the steps below to remove the cleaner from the pool.



CAUTION Ensure the power supply is turned "OFF" and disconnected from the electrical source/outlet before removing the cleaner from the pool. Operating the cleaner out of water will immediately cause severe damage and will result in loss of warranty. Do not leave the cleaner in the pool all the time.

1. Disconnect the power supply cable from the electrical outlet and disconnect the cleaner communication cable from the power supply.
2. Using the floating cleaner cable, slowly and gently pull the cleaner to the waterline at the edge of the pool until you can reach the handle. **DO NOT** lift the cleaner out of the water by the cable.
3. Using the handle, lift the cleaner out of the pool. See **Figure 9**.
Note: Never lift the cleaner out of the pool by the floating cable. This puts an unnecessary strain on the cable and could result in damage to the cleaner.
4. Place the cleaner on the edge of the pool and allow excess water to drain from the cleaner body and basket. See **Figure 10**.
5. Disconnect the floating cable from the power supply.
6. Store the cleaner in a covered area with the floating cable coiled.

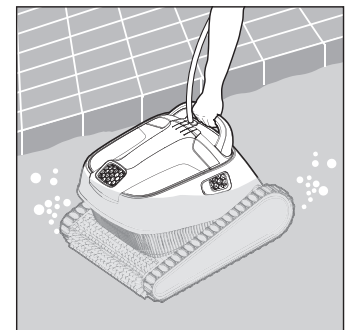


Figure 9



Figure 10

Cleaning the Filter Basket

Note: It is highly recommended that you clean the filter basket after each cleaning cycle. Too much debris in the filter will restrict the suction power of the Prowler® 920 Robotic Pool Cleaner and reduce its effectiveness.

To clean the filter basket, follow the instructions given below:

STEP 1: Open the Filter Cover

When the filter cover is opened the filter basket handle will pop up independently. See **Figure 12**.

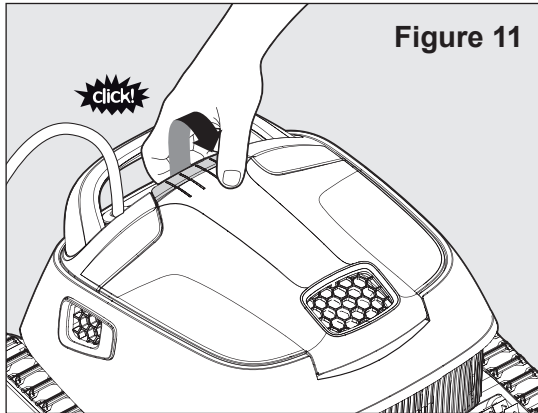


Figure 11

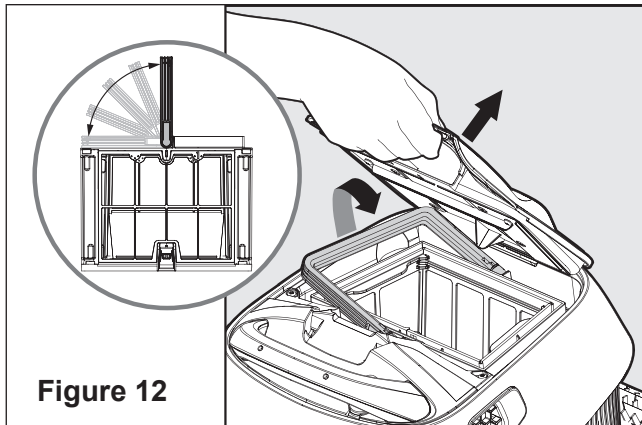


Figure 12

STEP 2: Lift the basket out of the cleaner body.

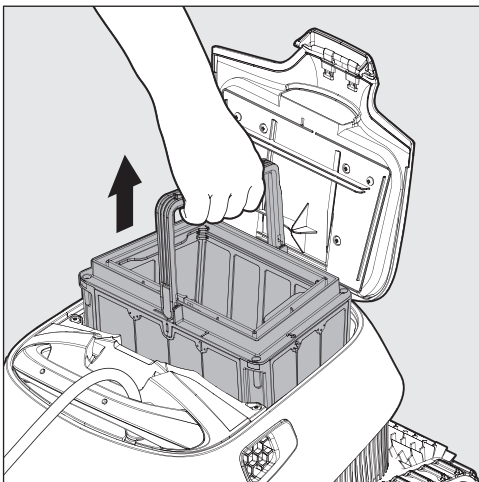


Figure 13

STEP 3: Empty the Filter Basket

Open the latch at the bottom of the filter basket. This will release the bottom lid of the basket and dump much of the collected debris. See **Figure 14**.

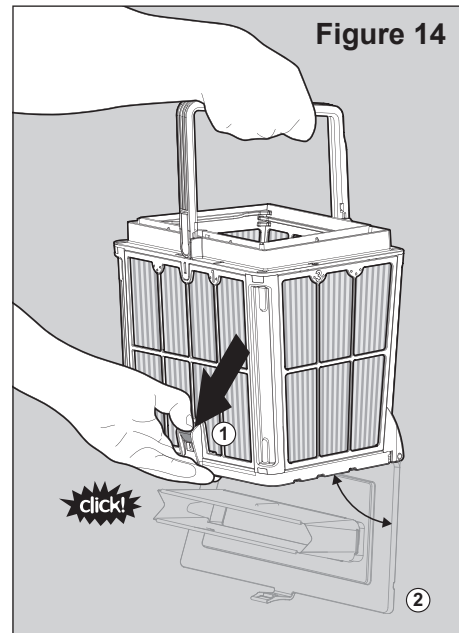


Figure 14

STEP 4: Clean the Filter Basket

Thoroughly clean the filter basket with a garden hose. See **Figure 15**.

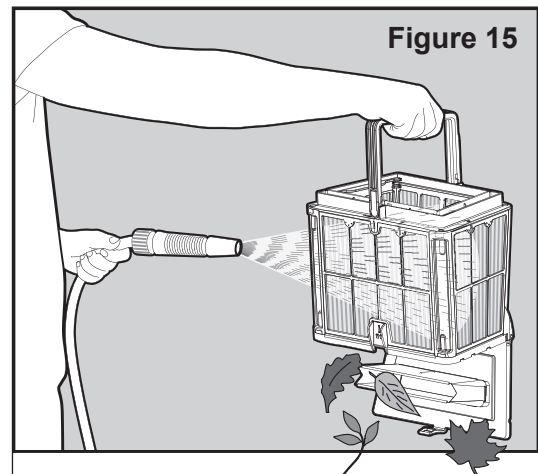


Figure 15

Periodic Filter Screen Cleaning

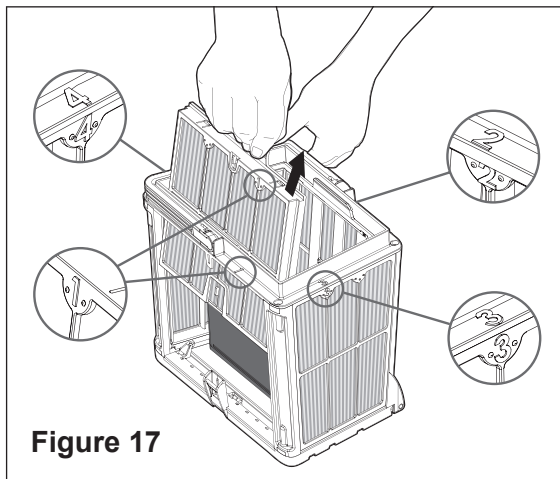
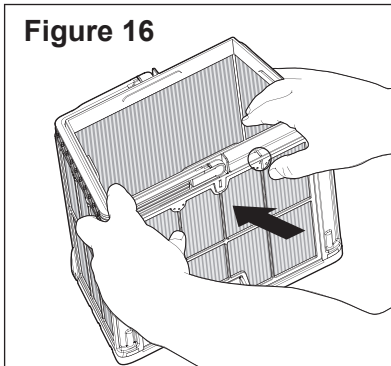
Note: It is recommended that you clean the filter screens at least once a month. Too much debris in the filter screens will restrict the suction power of the Prowler® 920 Robotic Pool Cleaner and reduce its effectiveness.

To dismantle and clean the four filter screens, follow the instructions given below.

STEP 1: Remove the Filter Screens

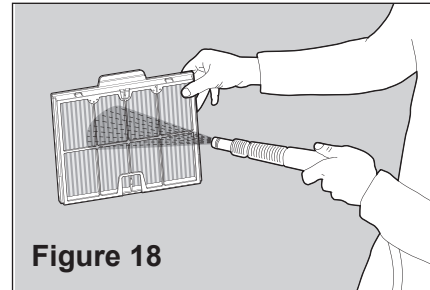
Using your thumbs, firmly press inwards on the top of Panel 1 to remove the filter screen from its frame (see **Figure 16**).

Each filter screen is stamped with a number (see **Figure 17**). Remove the filter screens in numerical order; Screen 1 > 2 > 3 > 4.



STEP 2: Clean the Filter Screens

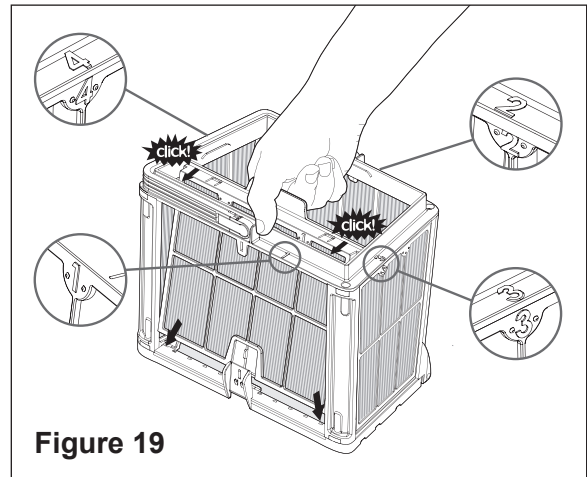
Thoroughly clean the filter screens with a garden hose. See **Figure 18**.



STEP 3: Reassemble the Filter Screens

Replace the filter screens by seating the bottom of the screen into its frame, then pushing firmly outwards on the top of the screen until a click is heard.

Each filter screen is stamped with a number (see **Figure 19**). Replace the filter screens in numerical order; Screen 4 > 3 > 2 > 1.



Cleaning the Impeller



WARNING Always disconnect power to the cleaner before servicing, disassembly, or reassembly. Failure to do so could result in death or serious injury to servicemen, pool users or others due to electrical shock. Read all servicing instructions before servicing the cleaner.

Every so often debris may become trapped in the Prowler® 920 Robotic Pool Cleaner's impeller. To clean out debris trapped in the impeller opening, follow the instructions below:

STEP 1: Open the Filter Cover and Remove the Basket

See **Figure 20** and **Figure 21**.

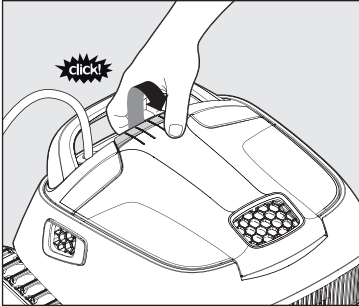


Figure 20

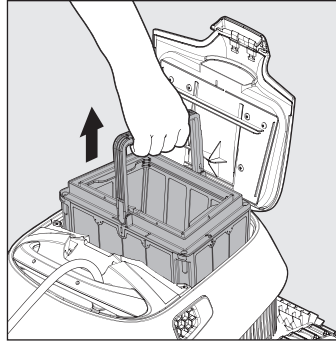


Figure 21

STEP 2: Unmount and Remove the Intermediate Cover and Manifold Assembly

1. Using a No. 2 Phillips-head screwdriver, remove the two screws that hold the intermediate cover and manifold assembly in place. These screws can be found in the inside corners of the intermediate cover. See **Figure 22**.
2. Place the two screws to the side.
3. Gently pull the intermediate cover (Item #2 in **Figure 22**) away from the cleaner and place it to the side.
4. Gently pull the manifold assembly (Item #3 in **Figure 22**) away from the cleaner and place it to the side.

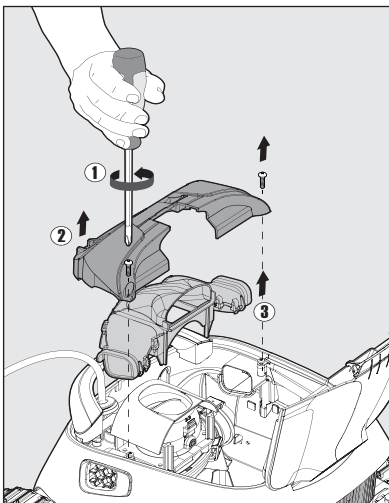


Figure 22

STEP 3: Unmount and Remove the Impeller Cover

Press the tabs on both sides of the impeller cover (Item #1 in **Figure 23**) to unlock the cover from the impeller assembly. While pressing both tabs, pull the cover away from the cleaner.

Place the impeller cover to the side.

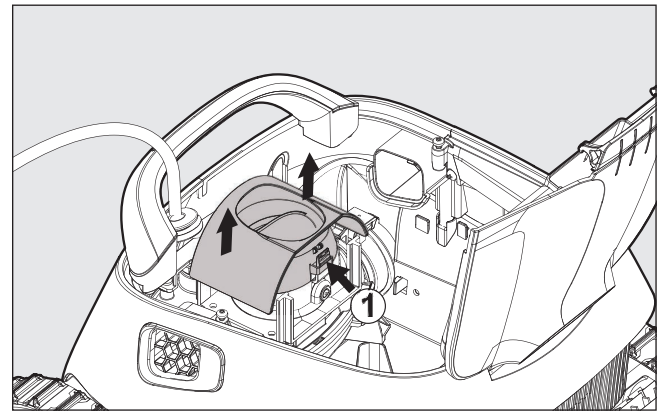


Figure 23

STEP 4: Clean Debris from the Impeller

By hand, remove any debris that has become trapped around the impeller. See **Figure 24**.

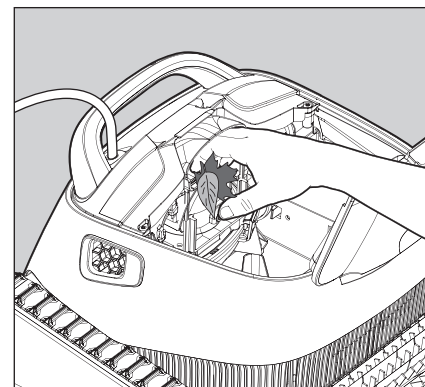


Figure 24

STEP 5:
Remount the Impeller Cover

Gently push the impeller cover back onto the impeller assembly. See **Figure 25**.

The tabs on the motor unit will lock the cover into place.

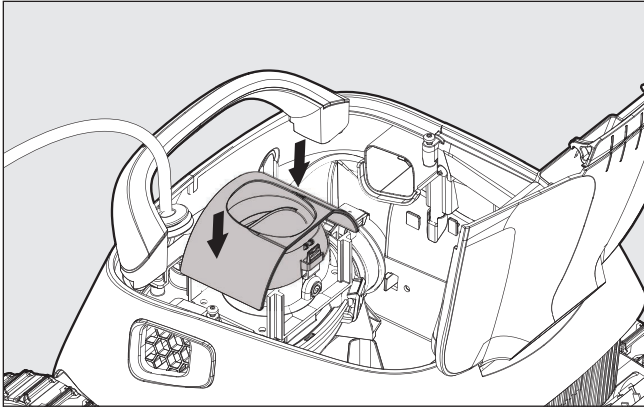


Figure 25

STEP 6:
Remount the Intermediate Cover and Manifold Assembly

Reseat the intermediate cover and manifold assembly and reinstall the two screws that hold the cover and manifold assembly in place. See **Figure 26**.

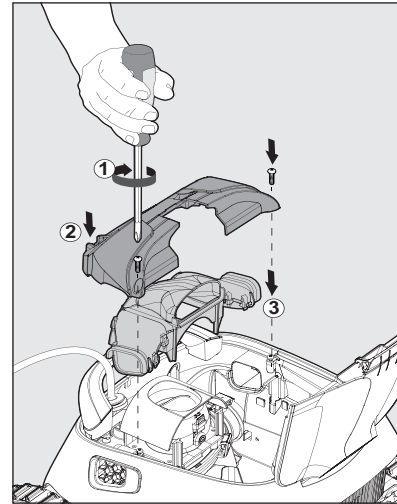


Figure 26

Storing the Cleaner

Any time the cleaner will not be in use for an extended period of time, for example during the winter, follow the storage recommendations below:

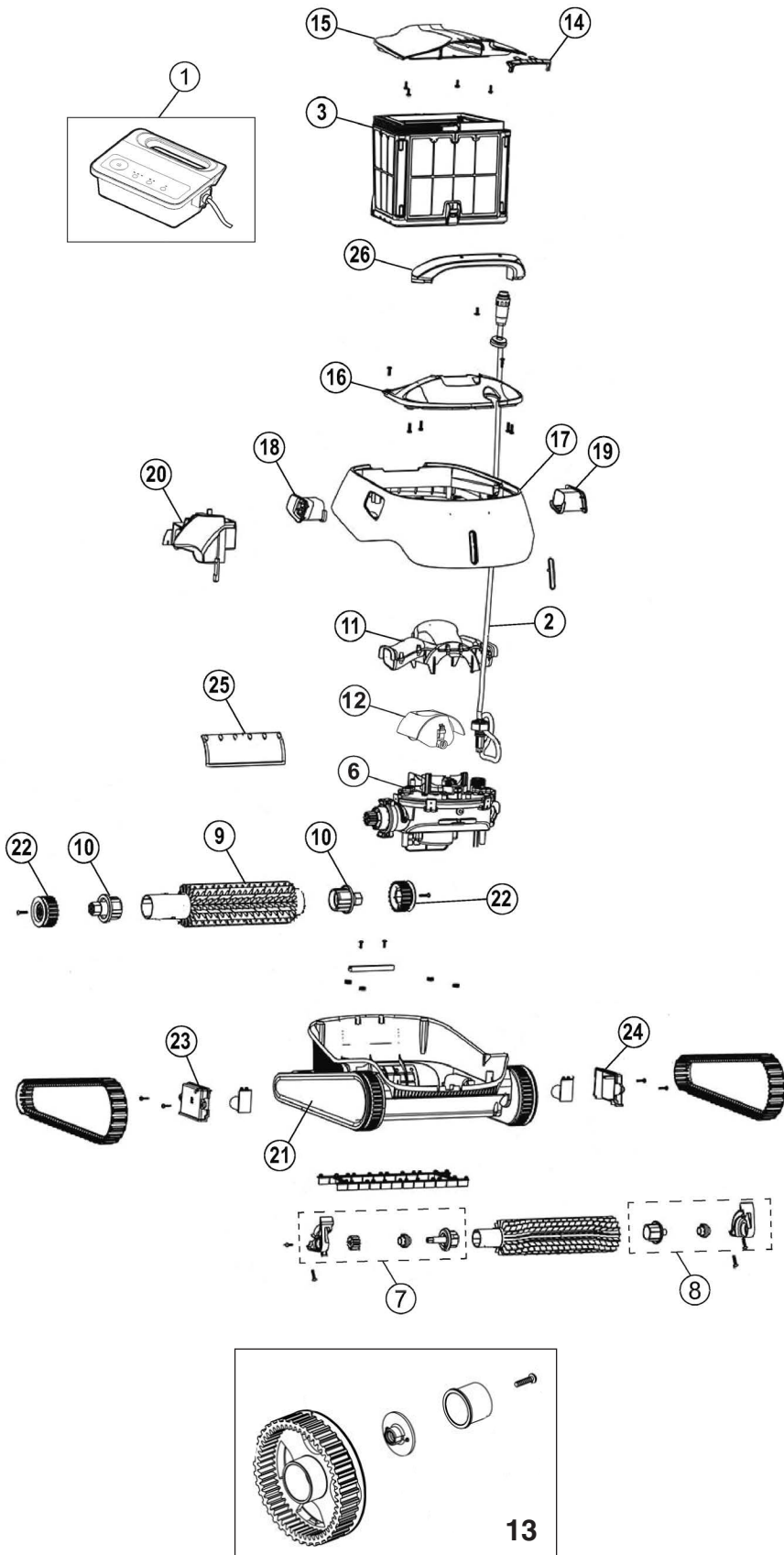
- Be sure to disconnect the power supply after use.
- Store the power supply, cable, and cleaner with the caddy if included with the cleaner.
- Store the cleaner in a protected area out of direct sun, rain and frost, at a temperature between 5°-45°C / 41°-113°F.
- Drain all water from the pool cleaner.
- Thoroughly clean the filter basket and filter screens and store the cleaner with them installed.

TROUBLESHOOTING

Problem	Possible Cause	Corrective Action
Cable twisting or cable coils up.	Obstruction in pool Gets stuck on main drain cover Excess cable in the pool	Remove obstruction in pool. Turn off filter and install main drain cover ring. Straighten cable and lay in sun periodically. Remove excess cable from pool.
Cleaner is moving in circles	Dirt stuck in moving parts Tracks worn due to extended use Power supply positioned incorrectly Algae in pool	Remove dirt from moving parts. Contact your dealer. Replace tracks. Place power supply in a position so that the cleaner can reach all walls. Correct pool and water conditions.
Cleaner does not reach all areas of the pool	Power supply positioned incorrectly Cleaner does not climb walls Algae on pool walls and floor Pool filter and pump is on	Place power supply in a position so that the cleaner can reach all walls. Check reasons for not climbing walls below. Brush pool walls and floor. Turn off pool filter and pump and run another cleaning cycle.
Cleaner does not climb walls	Cleaner is too heavy Algae on walls Water temperature too low and/or too high Brushes are worn Debris caught around impeller Cleaner is too light from trapped air Unsuitable pH level	Clean and wash cartridge. Brush walls. Ideal water temperature between 54-90° F (12-32° C) Replace brushes - contact your dealer. Clean impeller (see page 7). Turn cleaner upside down under water to remove trapped air. Check pH level - should be between 7.4 - 7.8; minimum level of 7.2.
Motor not working	Impeller blocked Drive system blocked Electrical problem - motor unit, floating cable, or power supply	Clean impeller (see page 7). Clean tracks and wheels. Consult with your dealer or service center.
Cleaner will not sink	Air caught in trapped in cleaner	Turn cleaner upside down under water to remove trapped air. Wash the cartridge. Remove calcium deposits or other chemical sediments. Open inlet flap in the bottom lid to remove dirt and/or trapped air.
Power supply or power supply switch light is not working	Not plugged in properly or main socket is damaged	Reconnect and check main power supply.

REPLACEMENT PARTS

Illustrated Parts List

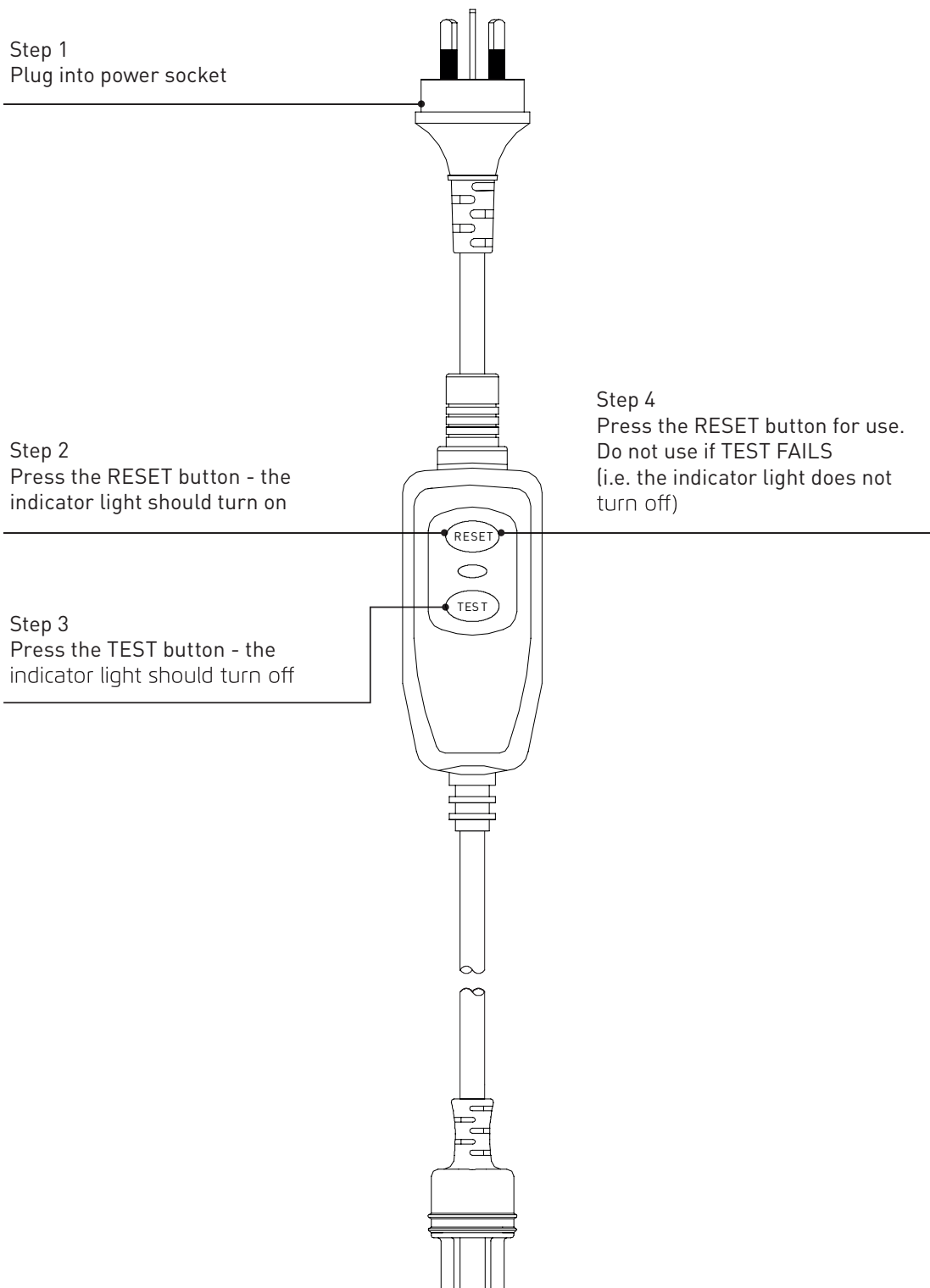


Prowler 920 Parts List

Item #	Part #	Description
1	360360	Power Supply
2	360361	Communication Cable
3	360362	Filter Basket
*	360363	Cartridge Filter Kit
*	360364	Net Filter Kit
6	360365	Motor Unit
7	360366	Front Brush Mounting, Left
8	360366	Front Brush Mounting, Right
9	360367	Rear Brush
10	360368	Rear Brush Mounting
11	360370	Manifold Assembly
12	360371	Impeller Cover
13	360372	Front Wheel Assembly (1 Set)
14	360373	Latch
15	360374	Filter Cover
16	360375	Intermediate Cover
17	360376	External Housing
18	360377	Left Grill
19	360378	Right Grill
20	360379	Internal Float
21	360380	Side Panel
22	360381	Rear Wheel Assembly (1 Set)
23	360382	Bypass Cover, Left
24	360383	Bypass Cover, Right
25	360384	Rapid Drain Flap
26	360385	Handle Assembly
27	360345	Active Brush
28	360357	Rubber Strips
*	360340	Impeller
*	360386	Small Screw Set, KA50x20
*	360387	Large Screw Set, KA50x16

Note (*): Not Shown

RCD OPERATING INSTRUCTIONS





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