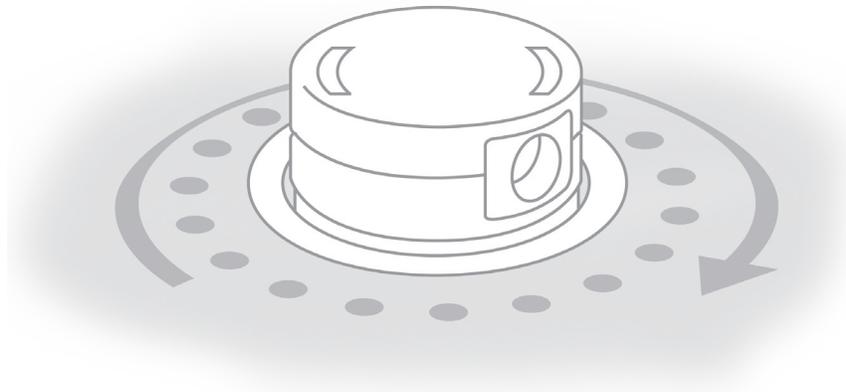


CARETAKER[™] In-Floor Cleaning System

Owner's Manual

English



⚠ WARNING

FOR YOUR SAFETY- For anything other than the routine cleaning and maintenance described in this manual, this product must be serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist. In the event no such state or local requirement exists, the maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Improper installation and/or operation will void the warranty.

Caretaker

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Important Safety Instructions

READ AND FOLLOW ALL INSTRUCTIONS

⚠ WARNING

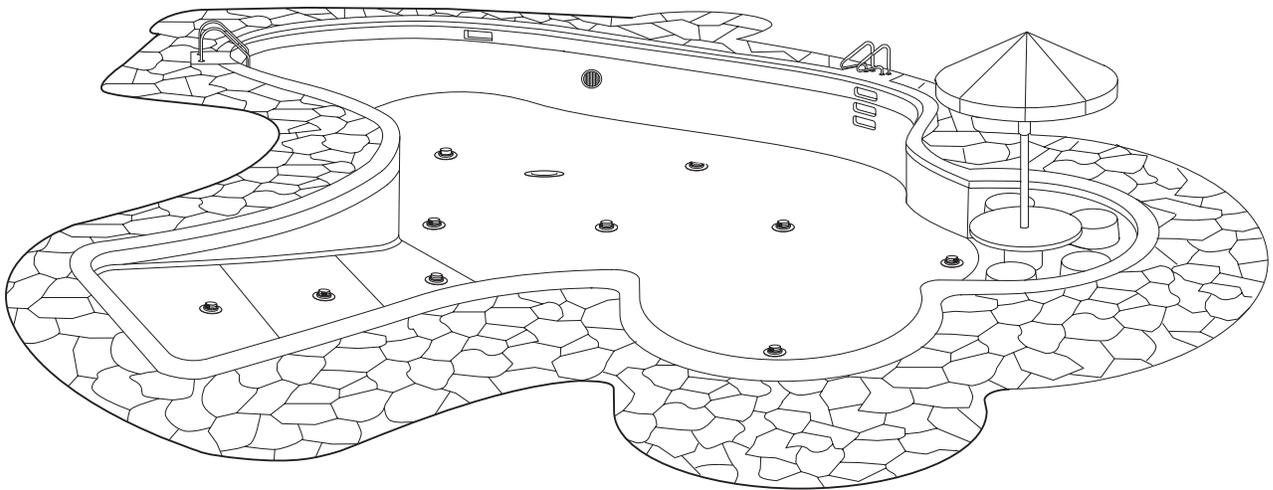
1. Read these instructions completely before operating the system. If these instructions are not followed exactly, a fire or electric shock could result, causing property damage, personal injury, and/or death.
2. Installation of the 8-port system should be performed by a licensed electrician and conform to the National Electrical Code (NEC). All applicable local installation codes and regulations must be followed.
3. This manual contains important information about the installation, operation, and safe use of this product. This information should be given to the owner/operator of this equipment.
4. All electrical equipment must be installed at least 5 feet (1.5 m) from inside wall of pool or spa. Disconnect power before servicing this equipment.
5. To reduce the risk of injury, do not allow children to handle this equipment unless they are closely supervised.
6. Use supply wires suitable for 140-167°F (60-75° C). Connect only to a circuit protected by a Class A ground fault circuit interrupter (GFCI). Use copper conductors only.

SAVE THESE INSTRUCTIONS

Introduction

Congratulations on the purchase of a new pool or spa equipped with a Caretaker in-floor system. The in-floor system provides the most advanced technology available in the swimming pool industry today. It is engineered to reduce the daily cost of operating a pool through controlled energy and chemical use.

The system is a custom-designed water management and cleaning system that uses the pressure of clean water to systematically circulate chemicals and heat to create a cost-effective, balanced, and healthier pool environment. Floors, steps, swimouts, benches and difficult to reach areas are cleaned by the inconspicuous rotating pop-up heads that either move debris into the main drain or into suspension where it is removed by the skimmer.



For Customer Service or Support

- To contact Caretaker: **US and Canada**
Customer Service
66 East 3335 South
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toll-free: 855.280.6465
phone: 801.484.4449
Fax: 801.906.6701
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Operation and Daily Use

Depending on which system you purchased, your pool is now equipped with either a hydro-powered 5-port water valve or an electronic, programmable 8-port water valve, that channels the water through the system.

One bank, or group of heads, comes up at a time, rotates to a new position, and disperses a high-pressure stream of filtered water for a short period of time. The valve then automatically cycles to another bank of heads and continues to cycle as long as the pump is on and the system is activated. Between cycles, the heads that are not in use will return flush with the pool floor.

The actual **run time** required to keep your pool or spa clean varies according to your environmental conditions (e.g. wind, rain, dust or landscaping, etc.) and the size of your pool. To determine the proper time, start by running the pool 24 hours per day. Reduce the run time by two hours every two days until the pool ceases to be as clean as preferred. **Six hours per day is our recommended minimum run time.**

The cleaning heads are designed to operate at a pre-determined gallons per minute and desired operating pressure. It is important that all water is directed through the cleaning heads. Items such as aerators, fountains, therapies, elevated spillways, waterfalls, or auxiliary lines must be closed during system operation to achieve maximum efficiency.

Checking the Equipment

The 5-port water valve is equipped with a pressure gauge on the top of the housing. The gauge for the 8-port valve is on the plumbing line feeding the valve.

The operating pressure will vary depending on various factors such as the pump size, number of cleaning heads on a line, and what other auxiliary pool equipment is installed. In general, the normal operating pressure is between 14-20 PSI.

Pressure Gauge



Water Flow

To maximize performance of your cleaning system:

- Verify that all auxiliary valves are closed.
- Keep screens in the skimmers and pump, and the 5-port valve dome strainer clean.
- Clean, backwash the filter, or recharge your filter as needed.

8-Port Valve

The 8-port valve has advanced timer control capabilities. The valve is operated by an electronic controller with six different timing positions.

Timing Modes: This allows adjusting the cleaning time per zone during operation.

- Position 1: 15 seconds
- Position 2: 30 seconds
- **Position 3: 45 seconds (Recommended)**
- Position 4: 60 seconds
- Position 5: Pause mode
- Position 6: Programmable (adjustable from 3 - 60 seconds)

Using **longer dwell times** increases the time the valve operates in one zone, increasing the cleaning distance in that area.

Selecting **shorter dwell times** allows faster operation of the valve and speeds up rotations in operation.

Pause mode stops the valve on one zone for swimming or servicing of a desired zone.

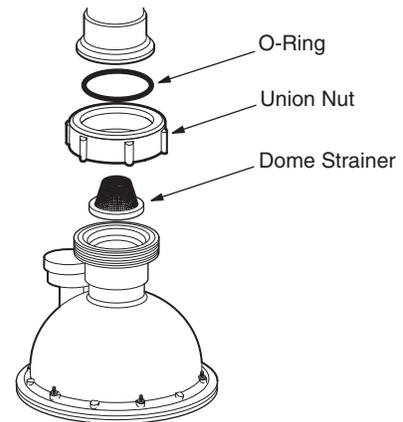
If set in **Programmable mode**, the valve can be manually adjusted to even shorter, 3 to 15 seconds, run times.

Routine Maintenance

Cleaning the Filtration System

The Caretaker System is a fully automatic circulation and cleaning system; however, it does not eliminate the need for normal pool maintenance. Strainer baskets and the filter must be kept clean in order to allow maximum water flow to the in-floor system. In addition, the 5-port valve has a dome strainer that must be cleaned periodically. The 8-port valve has no strainer.

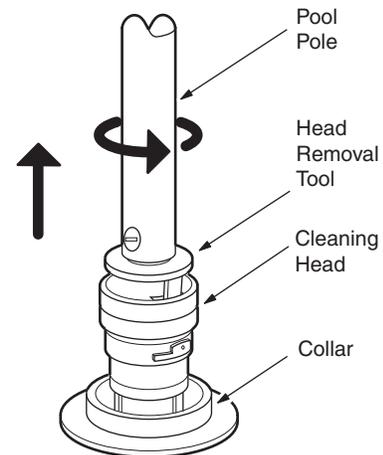
1. Unscrew union nut from valve.
2. Remove and clean dome strainer.
3. Reinstall the dome strainer with the cone facing **UPWARD** (as shown on the right), align the o-ring and hand tighten the union nut.



Changing Cleaning Heads

If you contact Caretaker's Customer Service Department after your Caretaker In-floor system has been installed by a qualified contractor, you will receive a **FREE** cleaning head and head removal tool. In the unlikely event that one of the cleaning heads malfunctions and troubleshooting does not restore it, simply remove the head and reinstall a new replacement head.

1. Attach head removal tool to pool pole.
2. Snap tool into cleaning head.
3. While in **DOWN** position, rotate the cleaning head counter-clockwise (about 1/4 turn), then lift up to remove it from the collar.
4. Tilt tool back to remove head easily.
5. Replace head on tool; make sure the head is completely in the collar. Turn the tool clockwise (about 1/4 turn) to lock the head into position.
6. Lift straight up to release head from the removal tool.



Winterizing

As with most pool equipment, if the swimming pool is located in a climate where freezing weather is possible, winterization of the Caretaker system is necessary in order to protect the equipment. Special winterization precautions are required; please contact your pool professional.

Troubleshooting

If the Caretaker cleaning system displays the following actions, adjustments may be necessary to restore performance. Refer to exploded parts diagram for part references.

Action: Dirty spots appear.

- Solution:*
1. Clean the pool filter, pump basket, skimmer baskets, and dome strainer (5-port valve only).
 2. Ensure all auxiliary valves (surface returns, waterfall, spa overflow, etc.) are closed.

Action: Dirt is left between heads.

- Solution:*
1. Increase the cleaning time. If using the 8-port valve, increase run-time to 60 seconds.

Action: Cleaning head advances, but is not cleaning.

- Solution:*
1. Check for debris lodged in the nozzle.
 2. Remove the head from the collar. Run the pump for two full cycles. Recheck for particles in the cleaning head nozzle and re-insert the cleaning head.

Action: Cleaning head will not pop up.

- Solution:*
1. Remove the head. Inspect the cleaning head and collar for plaster remnants or debris.

Action: Cleaning head does not go down.

1. With system running and cleaning head in the upright position, lightly depress head, using telescoping pool pole.
2. If necessary, remove cleaning head (head must be in the down position to remove) from collar and inspect for any binding particles.

Action: Pressure is lower than normal.

- Solution:*
1. Clean the pool filter, pump basket, skimmer baskets, and dome strainer (5-port valve only). Backwash filter if necessary.
 2. Ensure all auxiliary valves (surface returns, waterfall, spa overflow, etc.) are closed and bypass valves are set correctly.
 3. Confirm that the pool pump is operating normally.
 4. Check for leaking or worn o-rings. Replace if necessary.

Action: The 5-port valve does not cycle.

- Solution:*
1. Clean the filter, pump basket, skimmer, and valve dome strainer. Backwash filter.
 2. Make sure all auxiliary valves (surface returns, waterfall, spa overflow, etc.) are closed.
 3. Turn pump on and off several times to clear the system.
 4. Remove valve, turn it upside down, and spray pressurized water up into the valve.

Action: The 8-port valve does not cycle.

- Solution:**
1. Make sure all auxiliary valves (surface returns, waterfall, spa overflow, etc.) are closed.
 2. Verify that the valve is not in pause mode.
 3. Make sure the GFI is not tripped and check the main power source connections.
 4. Check for secure wiring connections at the controller, pressure switch, and valve.

Action: The 8-port valve does not pause at an outlet port.

1. Verify that valve cover is properly in place.
2. Sensor could be defective or damaged; replace.

Action: The 8-port valve is leaking.

1. Verify that top plate is tight. Retighten or replace o-ring if necessary.
2. Shaft seal is leaking; replace.

Troubleshooting Worksheet

If these solutions do not result in improved performance, contact the builder who sold you the in-floor system or call Caretaker's Technical Support Department at 1-855-280-6465.

For faster and more convenient service, please have the following information available at the time of your call.

1. **Serial #:** _____
2. **Which type of port do you have?**
 8-port 5-port water valve
3. **Do all the cleaning heads pop up?**
 Yes No
4. **Do all the cleaning heads go down?**
 Yes No
5. **Are all the heads advancing?**
 Yes No
6. **Does the valve skip a group of heads?**
 Yes No
7. **Is each nozzle dispersing water?**
 Yes No
8. **Have you cleaned/backwashed the filter and checked the pump baskets and screens?**
 Yes No
9. **How often do you clean the filter screen inside the 5-port valve?**
 Never Once a Week
 Twice a Week Once a Month

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