



THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
before installing and using the iPool*



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Introduction

After years of development, Fitmax Inc is proud to introduce the iPool®, the latest innovation in resistance swimming. Now available in the United States, the iPool (standing for “Infinity Pool”) provides a user with hours of swimming at 1/20th the price of a traditional pool. The iPool can fit into your garage, basement, backyard, or greenhouse, and the compact, SUV-size gives you all the benefits of swimming with fewer chemicals and less space required.

The iPool is the flagship product of Fitmax, a California-based company that is committed to providing consumers with access to quality fitness benefits typically found only in the finest fitness centers in the world.

Known as the best form of exercise to train or strengthen the cardiovascular system, swimming minimizes the stress and impact on joints that typically lead to the most common muscular and spinal injuries. According to organizations such as the Centers for Disease Control and Prevention, over 117 million adults suffer from various chronic diseases such as arthritis and high blood pressure. Many of these adults would benefit tremendously from the unique exercises that swimming and water immersion provide.

Unfortunately, many people do not have access to their own pools. Traditional swimming pools can cost over \$40,000.00 to install, require large backyards, and are difficult to maintain. For parents who have children, traditional swimming pools can be dangerous areas requiring constant supervision. Pools at health clubs are loaded with harsh chemicals because of the volume of people that use the pool (and the bacteria that results). Similarly, community swimming pools are crowded, are not always accessible at the times convenient to your schedule, and may be hard to get to due to traffic or distance.

Fitmax introduced the iPool as a low-cost alternative for people seeking the low-impact, high-energy exercise that swimming provides. The iPool costs thousands less than traditional swimming pools and propulsion system swimming machines, but allows the user to swim without the hassle of turning around, or having jet-streams blasting in their face. In fact, the iPool costs about as much as a treadmill, but gives you the unique benefits of water buoyancy and hydrostatic pressure.

More importantly, the iPool takes up a total footprint of only 9 ft x 12 ft x 9 ft of space, less than a minivan or even some sedans, and can be assembled in less than an hour. Because it is so easy to assemble and uses a minimal number of parts, it is portable and can be taken anywhere you wish to exercise.

iPool® is a revolutionary new aquatic fitness system that offers unparalleled versatility and affordability within the realm of above ground pools. For those looking for a lap pool, the iPool has a resistance harness that allows you to swim constantly, without ever having to change direction, or turn around. For those looking to rehabilitate an injury, our therapy pool offers fitness capabilities, while being easy on your joints and muscles. For those looking for a full body workout, our available aquatic fitness accessories can transform your iPool into a total body fitness center. With all of these, as well as our many other options, the iPool is truly the perfect choice for anyone looking for a new therapy, exercise, or lap pool for their home!

THE IPOOL INSTRUCTION MANUAL

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Installation Notes

- Before beginning installation of your iPool, first read the manual to fully understand the process.
- To avoid any scratches and damage, install the iPool on a level, smooth surface without any objects in the way. It is recommended to clean the site before installation.
- After selecting a site location, determine if the installation location can withstand 25 gallons of water per square inch, or approximately ten tons of weight, in order to avoid collapse.
- The installation location should be away from fire, pets with sharp claws, or sharp objects that may cause damage to your iPool.
- The installation location should be close to a water source, to facilitate the filling of your iPool. The iPool requires approximately 1,500 to 2,000 gallons of water.
- Ensure that the installation location does not cause flooding, which can result in damage or loss.
- To avoid unexpected wear and tear, do not drag the swimming pool. Before moving the swimming pool to a new location, completely drain the pool of all its water to avoid lifting the bottom of swimming pool while it contains water, which can cause rupturing and severe damage.
- To avoid bending and deformation of the steel frame, do not lean on the pipes with excessive force.

Swimming Precautions

- Before installation, make sure the ground is level and smooth.
- Carefully check the swimming pool parts before assembly.
- Check the quality of the water source before filling your iPool.
- After filling, check the pool for damage and water leaks. Verify that the bottom of the pool is clean.
- Do not bring sharp objects, or other items into the pool that can damage it. To avoid accidents or leaks, do not shake the pool.
- Do not use the swimming pool alone. Swimmers should be accompanied by an adult, regardless of age, or swimming skill.
- If you find a problem with the swimming pool, or experience uncomfortable physical symptoms while exercising, immediately stop its use.
- To prevent deterioration of water quality, use the cover that comes standard with the iPool when it is not in use.
- To avoid drowning, do not sleep in your iPool.

THE IPOOL INSTRUCTION MANUAL

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Pool Maintenance

What Chemicals Will I Need For My iPool?

Answer:

You should monitor pool pH weekly using testing strips you can purchase online or at a local pool supply store. Because of regional differences, You can best determine the ideal pH range for your pool water by consulting your local pool supply store, but it generally falls within a pH of 7.0 to 7.6.

To maintain ideal pH balance, you need to purchase both a pH increaser (alkaline) and a pH reducer (acid) online, or from your local supply store.

A small amount of chlorine is also needed, unless you are using a salt water system. Generally speaking, due of the small size of the iPool, it will often be only a few ounces, in either tablet or powdered form. To determine the proper portions to use, consult the chemical manufacturer's recommendations, or check with your local pool supply store.

Finally, use of a few drops of a pool clarifier each week is recommended. These can be purchased online, or at your local pool supply store, and will assist in keeping your iPool clean by clumping smaller particles together so they can be more easily caught by the filter cartridge.

How Long Should I Run The Filter Pump?

Answer:

Run the filter pump for two to four hours per day to keep the water well-oxygenated, and prevent algae from growing in your iPool. Ensure that the filter cartridge is clean, and change it once a month. You can use a timer with the filter pump to control how long it runs. In general, don't swim in your iPool while the filter pump is running.

For more information please visit:

<http://fitmaxipool.com/frequently-asked-questions/>








Our installation video can be found at:

<http://fitmaxipool.com/instructions/>

THE IPOOL INSTRUCTION MANUAL

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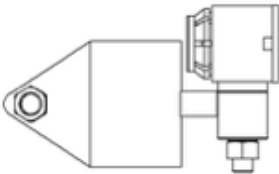
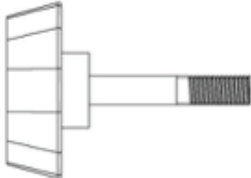
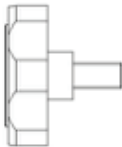
iPool Parts

No.	Name		QUANTITY
1	Framework short elbow tube		2
2	Framework long elbow tube		2
3	Framework short connection tube		4
4	Framework long connection tube		2
5	Leg support U shaped tube		10
6	Leg support straight tube		20
7	T-Shaped Top Frame		3

THE IPOOL INSTRUCTION MANUAL

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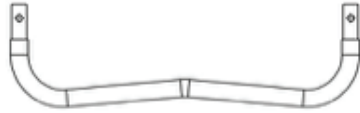

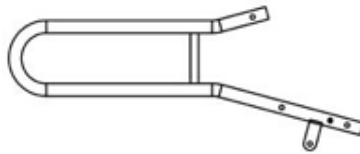
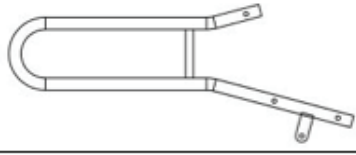


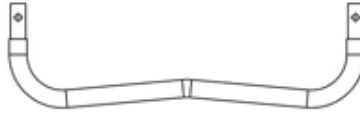

iPool Parts

8	Harness frame right tube		1
9	Harness frame back arc beam		1
10	Harness frame left tube		1
11	Sling frame		1
12	Harness connectors		2
13	Big adjustment knob		1
14	Small adjustment knob		2

THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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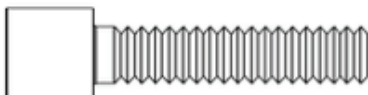
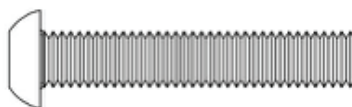




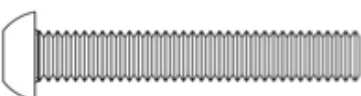

iPool Parts

15	Inside ground planes (SUS304)		1
16	Inside ladder(SUS304)		1
17	Left handle		1
18	Right handle		1
19	Outside ladder		1
20	Support tube		2
21	Outside ground planes		1
22	Ladder step		6

THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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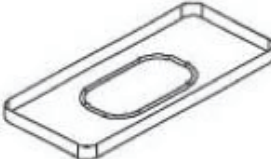
iPool Parts

23	Plastic support tube		2
24	Hexagon socket head cap screws(M8*55)		2
25	Hexagon socket button head screws(M8*40)		8
26	Flat washers(ø8)		26
27	Hex cap (M8)		14
28	Harness		1
29	Hexagon socket button head screws(M8*45)		2
30	Hexagon socket button head screws(M8*45)		2
31	Rotatable Head		1

THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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iPool Parts

32	Pipe plug($\varnothing 25$)		2
33	Fastener		2
34	Belt		1
35	Liner		1
36	Mattress Pad		1
37	Pool Cover		1

Note: In the remainder of this installation document, you'll see references such as (#35). This is the specific part number in the iPool Parts listing.

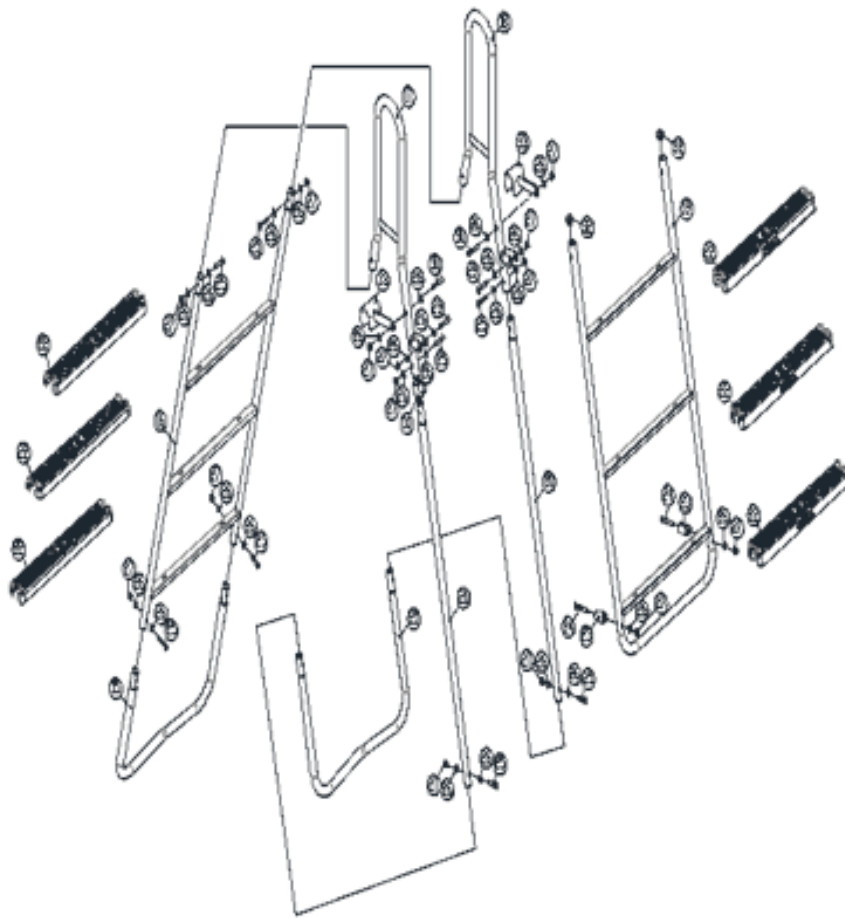
For example (#35) appears after references to the liner, and it denotes that it is Part #35 in the listing. This provides you with a pictorial representation of the part, so that you can verify using the correct one in that installation step when you are assembling your iPool.

THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
before installing and using the iPool*

Ladder Assembly

Illustrations of iPool Ladder Assembly



THE IPOOL INSTRUCTION MANUAL

Please carefully read this instruction manual before installing and using the iPool

Pool Set-Up

Note: You can refer to our installation videos for step by step instructions as well.

Step 1: Preparing space for your iPool and laying the mattress pad

Find or create a cleared 9 ft x 12 ft space on level ground. Give yourself enough room to walk around the perimeter comfortably. Place and stretch out the mattress pad (#36) in that space.

For iPool heater owners, we recommend placing foam or rubber padding below the mattress pad to provide insulation, which helps prevent heat from seeping out from the bottom of your iPool. Home improvement stores typically stock large rubber mats, approximately 1/2 inch thick, and 3 ft x 4 ft in diameter. To create a comfortable insulated pad for your iPool, arrange 9 of them in a 3 x 3 grid on a cleared 9 ft x 12 ft piece of ground, and then lay the mattress pad on top of it.



Step 2: Liner placement

Place the liner (#35) on the just-placed ground tarp, and stretch it out fully. Remember to extend the liner sleeves fully to ensure you have sufficient room for the leg supports.

Note: To make it easier to install, place the open liner in direct sunlight for about 2 hours to dry it and make it more supple.



THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Pool Set-Up

Step 3: Attach baskets to the inlet outlet tube

From the inside of the pool liner (#35), attach the plastic baskets that are included in the liner box to the inlet outlet ports. When your iPool is full, this helps prevent anything from closing over the ports. For easy installation, first soak the baskets in warm water before attaching them to the inlet outlet ports.



Step 4: Insert framework long elbow tube into the upper-right and lower-right corners of liner

Place the long elbow (#2) and short elbow (#1) tubes in the width direction of the mattress side. Carefully place the steel tubes to avoid scratching the liner, ensuring that the ends of the framework long elbow and short elbow tube line up.



THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
before installing and using the iPool*

Pool Set-Up

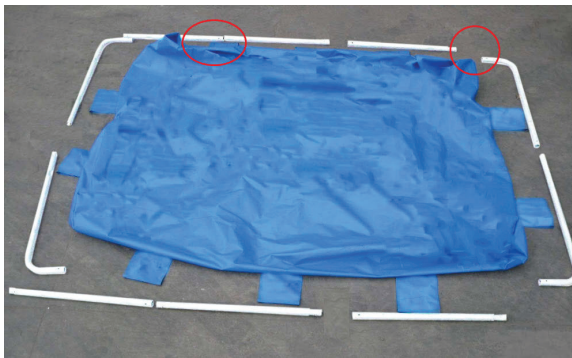
Step 5: Insert framework short elbow tube

Insert framework short elbow tube (#1) into the upper-left and lower-left corners of the liner.



Step 6: Insert framework long straight tube

Insert a framework long connection tube (#4) followed by two short connection tubes (#3) so that the tapered ends line up with the elbow tubes as the picture below shows. Your frame set up should match the pictures below:



THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Pool Set-Up

Step 7: Insert the framework long straight tube into the liner, making sure the holes for the pipe legs line up with the openings in the liner

Make sure the frame is not upside down during insertion. The push pins are for holding the tubing together during installation, but the holes of the straight tubes must be facing outward towards where you will insert the u shaped leg support (#5) tubes.

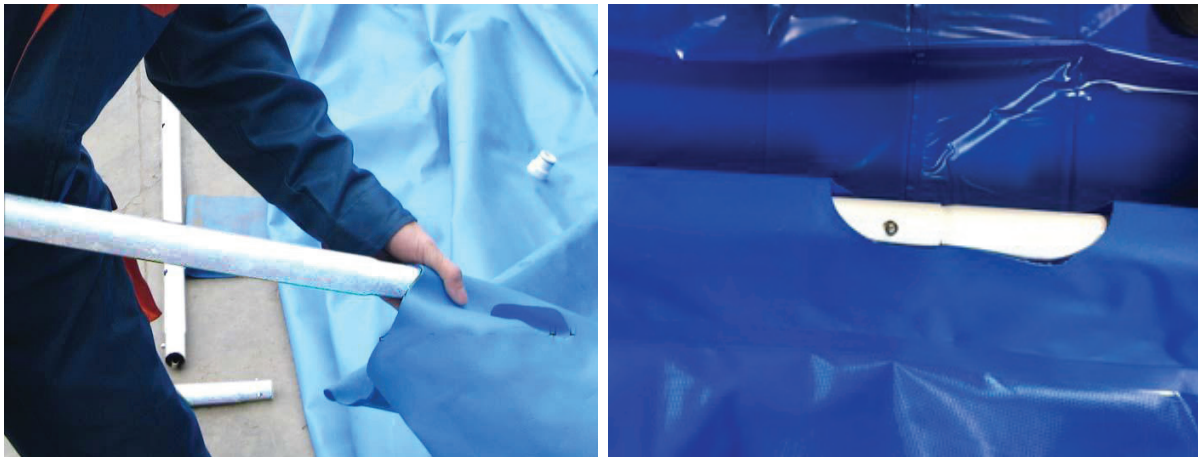


Figure 1: Upside tubing example

Step 8: Connect the long elbow tube with the framework short elbow tube on the width side of the pool into the liner

When you perform this step, you should have someone assist you, because the liner and frame pieces may be heavy when inserting them.

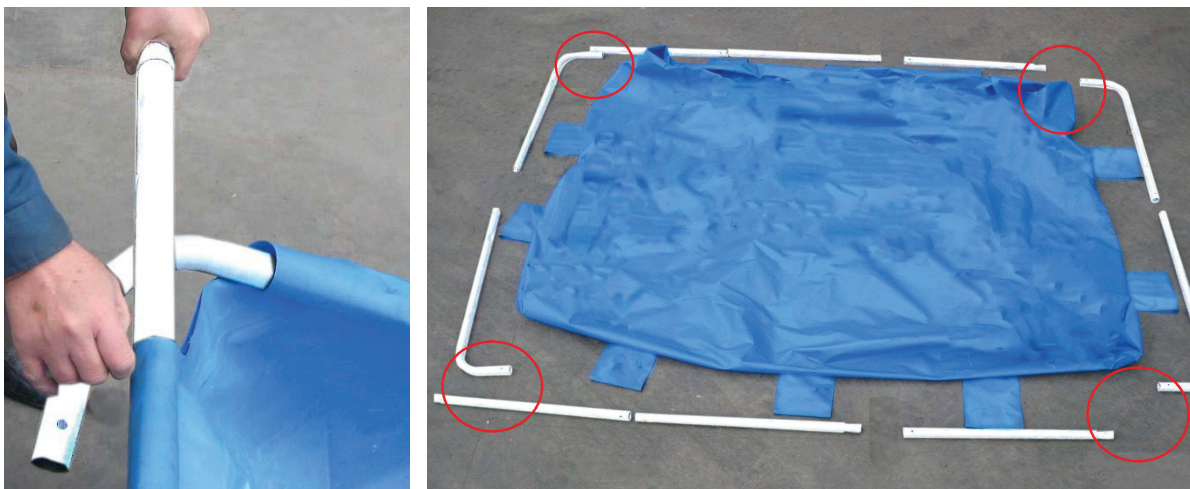


THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Pool Set-Up

Step 9: Attach the elbow tubes to the short framework connector tube inside the liner



Step 10: Attach the short connector tube to the long connector tube



THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Pool Set-Up

Step 11: Insert the other short framework elbow tube into the liner and attach it to the long connector tube.



Step 12: Attach the long framework elbow tube to the short connector tube. You may need to lift the liner and have someone assist you to ensure that the tubing enters the liner correctly and attaches



Completed Frame

THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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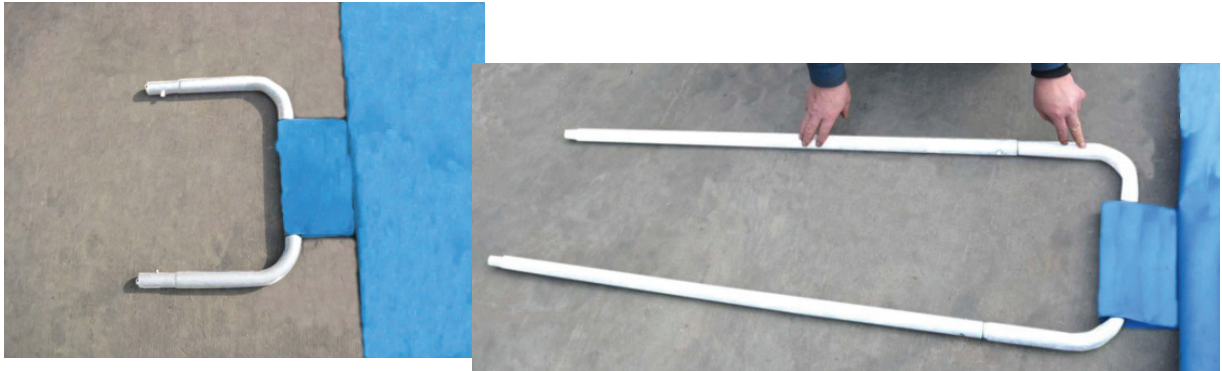
Pool Set-Up

Step 13: Attach the grey connectors to your inlet outlet ports from outside the pool if they are provided

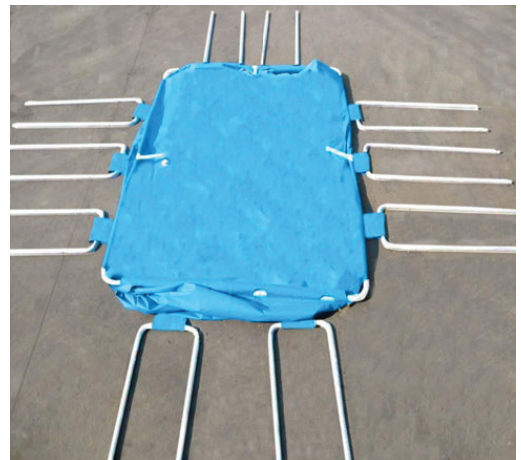


Step 14: Install the leg and connect with the harness

Connect the leg support U-shaped tube (#5) into the liner's lower stretchable flap. Attach the legs towards the outer end of the tube. Both tubes should be facing outwards (see figure below).



Firmly attach the tube connections to the U-shaped tube. Assemble each of the standing legs in the same exact fashion.



THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Pool Set-Up

Step 14: Continued

Two people should lift up the frame to mount it on to the leg supports. Pull the bottom section of each leg, stretching the bottom flaps to their maximum lengths. If the leg supports are not able to fully extend, you can place a brick or wooden plank underneath as a base, as seen in pictures below.



THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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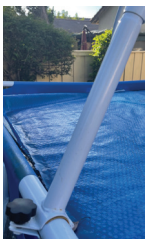
Step 15: Attach the t-bar harness clamps to the liner top frame tube

Prior to assembling and installing the harness frame, you must install the three t-bar harness clamps (#7) that support it. These clamps enable you to quickly remove and reposition the harness frame in the event you want to reorient it in the opposite direction at a later date.

Before installing the t-bar harness clamps, first determine where the harness assembly should be located, and the direction in which it should point. Referring the picture below, you attach each clamp to the sections of white frame tubes that appear in the u-shaped openings at the top of the liner sides.



To install the clamps, attach two of them to the top frame tubes of the liner, on the long sides of the pool, directly across from each other. Depending on the direction you want the harness frame to point in, install the third t-bar harness clamp on the appropriate short edge of the pool. For example, to point the harness frame to the left, mount the clamp on the right side of the pool.



When attaching each clamp, place the long tube side of the t-bar harness clamp angled upwards, in the direction of the inside of the pool. The portion of the clamp that holds the adjustment knob (used for tightening or loosening) must be located on the outside of the pool liner.

To properly thread the adjusting knob into each clamp, gently squeeze the top and bottom of the clamp together with your fingers, or, if more force is needed, use a pair of pliers. Once threaded, tighten the adjustment knob to secure the clamp to the liner frame tube, but don't overtighten it and crimp the tubing.



THE IPOOL INSTRUCTION MANUAL

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Pool Set-Up

Step 16: Assemble the harness frame

In a separate location, assemble the harness frame, which is composed of the right (#8), back (#9), and left harness (#10) tubes. Use the big adjustment knob (#13) to securely fasten the three components, and then attach the whole frame onto the t-bar harness clamps (#7) that are sticking out. The result should be as shown in the figure below.



Step 17: Assemble the harness belt.



Insert the harness belt loop (#28) into the harness frame, then attach the end of the harness frame with the harness connectors (#12) and small adjustment knob (#14), as shown.

THE IPOOL INSTRUCTION MANUAL

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Pool Set-Up

Step 18: Install the filter.

1. Take one of your filter pump hoses and attach it to the gray size converter (shown for filter pumps 1500 gph and above). Connect this filter pump hose with the gray converter to the pool inlet port as shown in #1.
2. Attach the other end of your filter pump hose to the filter pump outlet port (#2). For filter pumps 1500 and above, it is located below the filter cartridge.
3. From the filter pump outlet (#3), attach the final filter pump hose to the pool inlet (#4).
4. For 1000 gph filters, first connect the clear hoses from the pool outlet to the filter pump inlet located at the top. Then, connect a clear hose from the filter pump outlet to the pool inlet, and secure it with clamps. Please see example below.



Filter Pump Connection



Filter Pump Outlet



1



2



3



Filter Pump Connection



4



5

Important Note:

For the 1000 gph filter pump, please make sure to plug the hoses completely into the inlet outlet pipe opening as shown.



THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Pool Set-Up

Step 19: Connecting a heater (optional).

1. First setup the filter pump according to the instructions in Step 18.
2. Instead of attaching the final hose from the filter pump outlet to the pool inlet, attach it to the heater inlet, as shown. This hose supplies filtered unheated water to your heater.



Heater Inlet

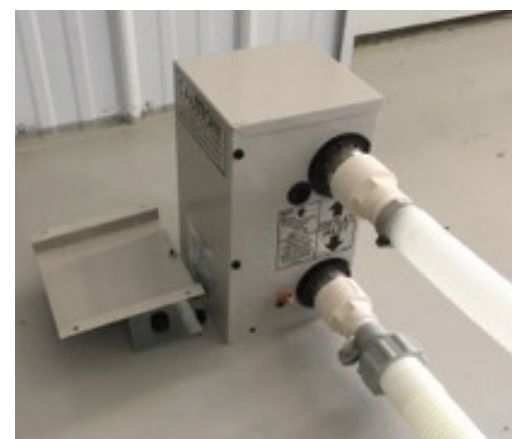
3. Connect a hose to the heater outlet.



Heater Outlet

4. Attach the other end of the hose that you connected to the the heater outlet to the the heater outlet. This hose returns filtered heated water to your iPool.

Note: For tips about heater installation and performing troubleshooting, see **Heater Installation Tips** in the **Troubleshooting** section (page 33).



Complete Heater Connection

THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Pool Set-Up

Step 20: Connecting a salt water system (optional).

1. First set up the filter pump according to the instructions in Step 18, and the pool heater according to the instructions in Step 19.

2. Instead of attaching the final hose from the heater outlet to the pool inlet, attach it to the saltwater system inlet, as shown. This hose supplies filtered heated water to your saltwater system.

3. Attach the other end of hose that you connected to the salt water system outlet to the pool inlet. This hose returns filtered and heated salt water to your iPool.



**Saltwater System
with Heater**

THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
before installing and using the iPool*

Ladder Set-Up

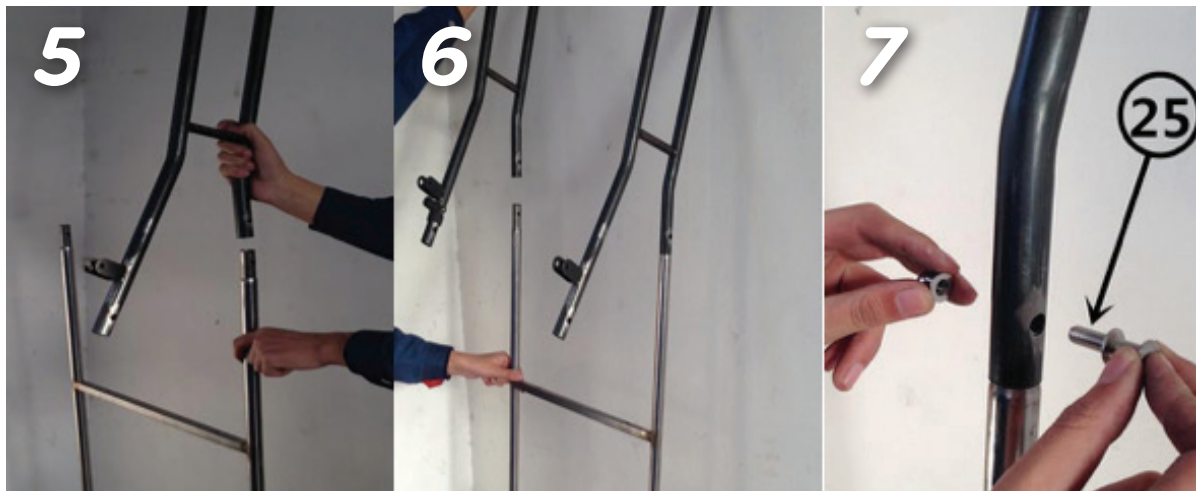
Step 21: Ladder Set-Up

1. Follow Illustrations 1 and 2 to lay out the inside ladder frame (#16). Insert the hexagon socket button head screw (#25) and washer (#26).
2. Follow Illustrations 3 and 4 to lay out the outside ladder frame (#19). Insert the hexagon socket button head screw (#25) and washer (#26).



3. Following Illustrations 5 and 6, attach the left (#17) and right handles (#19) to the inside ladder frame (#16).

Following Illustration 7, insert the hexagon socket button head screw (#25) and washer (#26) to fix the inside ladder assembly in place.



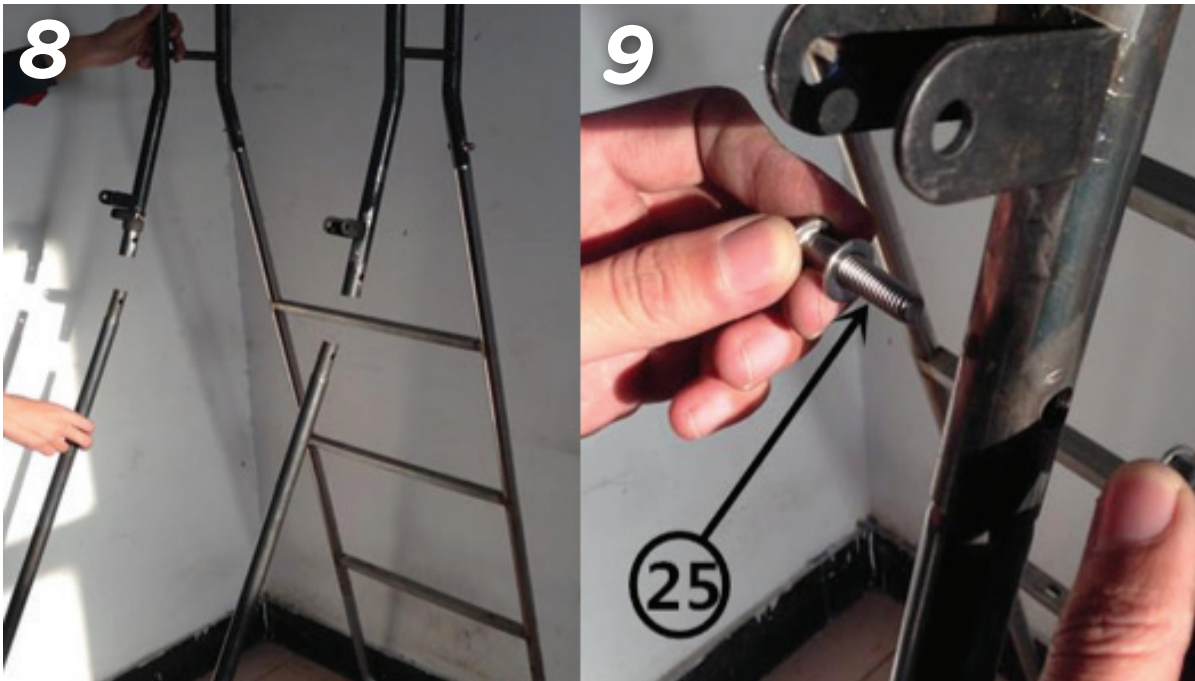
THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
before installing and using the iPool*

Ladder Set-Up

Step 21: Continued

4. Following Illustration 8, take your partially finished inside ladder and attach to the outside ladder frame by inserting it below the ladder handles. Insert the hexagon socket button head screw (#25) and washer (#26) to hold it in place.



5. To finish attaching the outer ladder, follow Illustrations 10, 11, and 12, making sure the correct types of screws are used, as indicated.



THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Ladder Set-Up

Step 21: Continued

6. Place the steps (#22) on the ladder stair frame. Use a rubber mallet to tap each of the steps until they are firmly secured in the keyhole slots in the frame. The finished ladder should match Illustration 15.



7. Follow Illustrations 16 and 17 to attach the fasteners to the ladder. Follow Illustrations 18 and 19 to fix the ladder onto the frame of your iPool. Please make sure to use the correct screws shown in the previous illustration to prevent incorrect assembly. The stairs can be lifted up and folded to prevent children from entering the pool.



THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Ladder Set-Up

Step 21: Continued



Safety Rules

- *Set the ladder on a solid base. If any parts are missing, please call Fitmax at 805-383-6266.*
- *Face the ladder when entering and leaving your iPool.*
- *Allow only one person can be on the ladder at a time.*
- *To prevent injury, DO NOT jump or dive from the ladder.*
- *To prevent entrapment or drowning, DO NOT swim through, behind, or around ladder.*
- *The ladder must be used as a swimming pool ladder only.*
- *The maximum weight limit for the ladder is 300 lbs.*

Fitmax shall not be held liable for any injury or damage resulting from nonconformity to the content of this instruction manual.

THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Filling the Pool

Step 22: Filling your iPool with water.

After installation is complete, and before filling with water, make sure that all connections are correctly fastened, and that there are no cracks or holes. After passing inspection, add water until the water level reaches engraved line on the liner.

Please note that water naturally accumulates on the bottom during filling. If you see small puddles near the floor of the pool, there is a good chance that is not a leak or puncture because the liner is very strong. In the unlikely event of an actual puncture, the water level will drop approximately one inch per day. For more information, see ***When water puddles appear outside the iPool during filling*** in the **Troubleshooting** section (page 36).



Figure 1: Completed installation



Figure 2: Example of a non-leak due to filling

THE IPOOL INSTRUCTION MANUAL

*Please carefully read this instruction manual
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Using the iPool

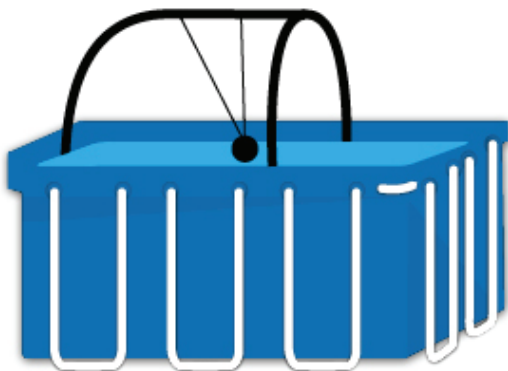
- 1.** Warm up your body to prevent any muscle strains or injuries.
- 2.** When entering your iPool, hold the ladder with both hands.
- 3.** Enter the water in a slow, easy manner – do not jump in.
- 4.** Once you are in the iPool, first hook the waist belt.
- 5.** Adjust the pad under the insertion hook so that it fits your waist.
- 6.** Do not adjust the waist belt too tightly.
- 7.** Stand in the middle of your iPool, and squat down until the water reaches neck level.
- 8.** Slowly reach out with your arms, relax your body, and raise your waist, allowing your body to float in a relaxed manner.
- 9.** New swimmers and first time users should start with the backstroke to get a feel for how the harness works.
- 10.** New swimmers should have the assistance of another person if they cannot reach the ground. The assistant should make sure the swimmer is relaxed before beginning to swim, and support them at the waist.
- 11.** When a first time user or new swimmer begins to swim, they should start at a low speed and use minor swimming force. These users can gradually increase swimming speed and force as they become more comfortable using the iPool and its swimming harness.

THE IPOOL INSTRUCTION MANUAL

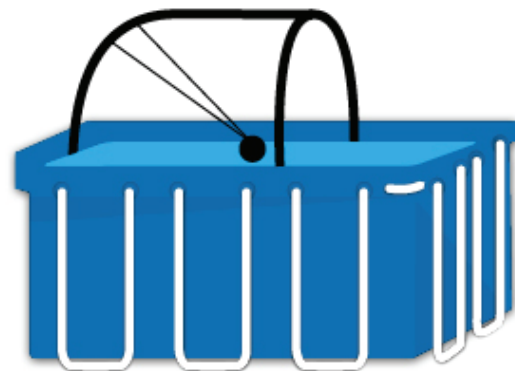
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before installing and using the iPool*

USING THE ELASTIC BAND

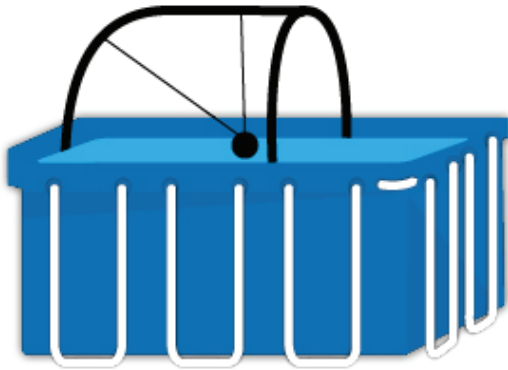
Adjust the Position & Spacing according to your needs and conditions!



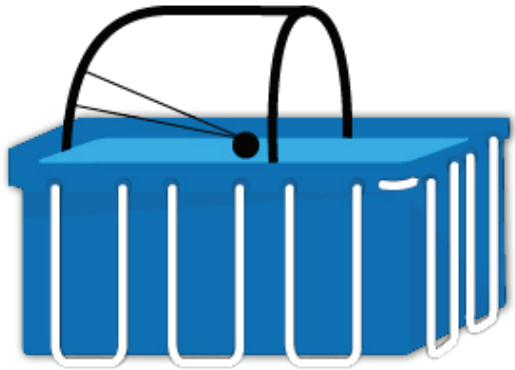
Position 1
Effortless Swimming.
Best for Beginners & new
swimmers.



Position 3
High Resistance Swimming.
Best for capable swimmers who want a
lot of exercise quickly.



Position 2
Resistance Swimming.
Best for capable swimmers.



Position 4
High Resistance Swimming.
Good for new swimmers who want
a lot of exercise quickly.

iPool Instruction Method

An easy-to-learn method for learning to swim or using the iPool as an exercise machine.

Principle: Beginner (quick learning) should start with the backstroke, then the breaststroke, and finally freestyle (the crawl).

Type of Stroke: Those with basic skills may start with freestyle.

THE IPOOL INSTRUCTION MANUAL

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Using the iPool

	A. Steps	B. Precautions
Backstroke	1. Get to know the water. When you first enter the water, squat down and stand up 5–10 times to get acclimated.	1. Relax, breathe, move, slowly squat down and stand up in the water.
	2. Adjust the elastic band to the proper position.	2. For a beginner, the vertical end of the elastic band should be at the 150 cm position.
	3. Hang up the ring hook to the harness.	3. Make sure that the ring hook is properly fastened.
	4. Adjust the waistband to the proper position and tightness.	4. Maintain a distance of 5–10 cm from the water surface.
	5. Slowly float on your back from the squatting position.	5. Avoid wobbling your body. You should have someone assist you when floating.
	6. Float on your back for a while, concentrating on breathing and relaxing.	6. Concentrate on breathing and relaxing.
	7. Pat the water with both hands, and gradually speed up.	7. Gradually move your body and get a sense of balance before continuing.

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iPool Swimming

	8. Kick with your legs and feet, stay at a slow pace, speeding up gradually.	8. Pay attention to the motion of your legs and feet, as well as your body balance.
	9. Gradually add the use of your arms and hands, while remaining at a slow swimming pace.	9. Pay attention to the motion of your arms and legs. Give yourself time to adapt to the pull of the elastic band.
	10. Start out slowly. Go as long as you can, but don't overdo it. It takes time and practice to master.	10. Relax and enjoy yourself. The more you practice, the better you'll get.
	11. Practice the backstroke until you are comfortable with it.	11. Master the backstroke before moving onto other swimming styles.
	12. As you practice your swimming, be aware of your surroundings	12. Have someone with you to safeguard you from hitting the side of your iPool as you swim.
Breaststroke	For the breaststroke, follow Steps 1–12.	The only difference between the backstroke and breaststroke is that you are face down in the water for the breaststroke.
Freestyle (Crawl)	For freestyle, follow steps 1–12.	Be aware of your breathing and what you are comfortable with.

THE IPOOL INSTRUCTION MANUAL

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Troubleshooting

Heater Installation Tips

The filter pump in box manual may include items such as a pool inlet adapter, air jet valve, pool inlet jet nozzle, and strainer grid. These items do not fit our inlet outlet ports, and are not included for that reason. These are examples of heater systems you can use with your iPool:



To run the heater the first time, please ensure that the heater light stays on, and the filter pump is set to Continuous. Initially, the heater may need up to 12 hours to heat up your iPool when it is filled with tap water, which is normally around 50 degrees. It will heat the pool gradually, starting at one degree an hour. Please note this may take longer in outdoor conditions

If your heater light does not turn on even though there is electricity please do the following:

1. Change the filter cartridge and replace with a brand new one (not washed).
2. Flood the filter pump chamber to clear it out any residual air inside of it.
3. Check the hoses for any air bubbles inside of them. You may need to flush out the hoses and shake them several times to clear out the bubbles.

If this does not work you need to adjust the heater pressure switch setting from 3 to 1. This is referred to in your heater manual on page 5 on your manual.

Here is a video showing how to remedy the filter pump:

[Intex 2500 GPH Krystal Clear Pool Filter Pump Instructional Video | 633T](#)

THE IPOOL INSTRUCTION MANUAL

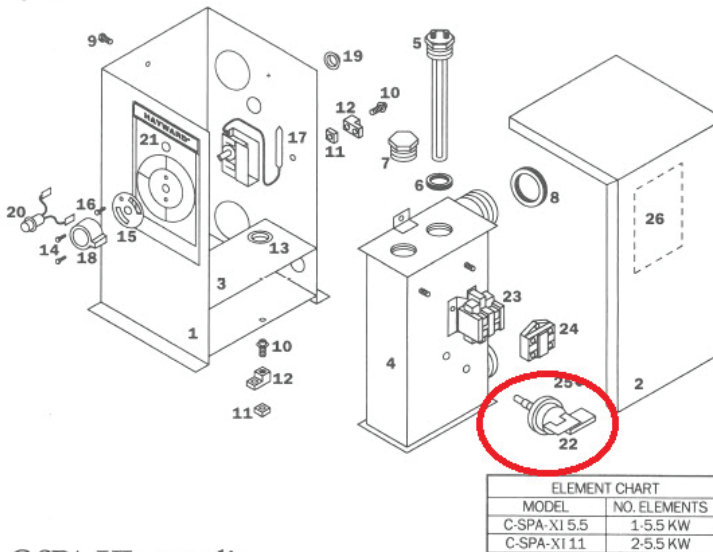
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Troubleshooting

If this does not work, you need to adjust the heater pressure switch setting from 3 to 1. This is referred to in your heater manual on page 5. Please be careful not to completely shut off the pressure switch, or else if the water flow drops again and the safety doesn't work, your heater element will burn out.

TRAUGH AND SCHUBERT HEATING WILL BE FURNISHING THE GASKET, THERMOSTAT, ETC.

Figure 9



C-SPA-XI parts list

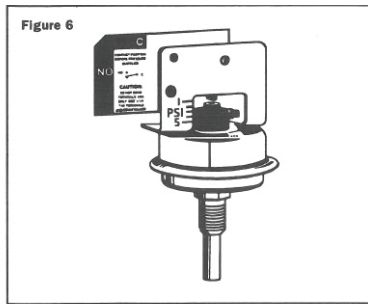
ITEM NO.	DESCRIPTION	PART NO.	ITEM NO.	DESCRIPTION	PART NO.
1.	Jacket Assembly	CZX JKT 7500	22.	Pressure Switch	CZX PRS 1105
2.	Jacket Cover	CZX JKT 7003	23.	Contactor	CZX CON 3645
3.	Junction Box	CZX JBX 7402	24.	High Limit	CZX HLC 3105
4.	Tank	CZX TNK 6607	25.	High Limit and Contactor Nut	CZX NUT 6404
5.	Element-Wattage 5500, Voltage 240	CZX ELE 7623	†26.	Data Plate	CZX DAP 7265
6.	Element Gasket	CZX GKT 7627	NOT SHOWN		
7.	Element Hole Plug w/Gasket	CZX ELP 7622		Reset Label	CZX LBL 8400
8.	Inlet Outlet Gasket	CZX GKT 9216		Wiring Diagram Label	CZX LBL 7264
9.	Tek Screw	CZX SCR 6101		Inlet Label	CZX LBL 7700
10.	Ground Lug Bolt	CZX BLT 5411		Outlet Label	CZX LBL 7701
11.	Ground Lug Nut	CZX NUT 5403		Caution Power Label	CZX LBL 5600
12.	Ground Lug	CZX GRL 2900		Fill Warning Label	CZX LBL 5100
13.	Heyco Bushing	CZX HYB 1702		#8 Wire Red 7" w/Ring Terminals	CZX WIR 8602
14.	Thermostat Screw	CZX SCR 3003		#8 Wire Black 7" w/Ring Terminals	CZX WIR 8702
15.	Thermostat Dial Lock	CZX TDL 0102		#8 Wire Red 16" 1 Ring Terminal	CZX WIR 8603
16.	Dial Lock Screw	CZX SCR 2102		#8 Wire Black 16" 1 Ring Terminal	CZX WIR 8703
17.	Thermostat	CZX TST 3006		#18 Wire Red 7" Solid	CZX WIR 5002
18.	Thermostat Knob	CZX TJK 2003		#10 Wire Black 7" Solid	CZX WIR 6613
19.	Grommet, High Limit	CZX GRM 9209		#14 Wire Black 8" w/Quick Conn. Ends	CZX WIR 5801
20.	Indicator Light—240v	CZX LIT 3613		#14 Wire Blue 5" w/Quick Conn. Ends	CZX WIR 6601
21.	Thermostat Label w/Logo	CZX LBL 7257		† Replaced upon return of damaged plate.	

Figure 1: C-SPA-XI parts list

THE IPOOL INSTRUCTION MANUAL

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Troubleshooting



filter gets so dirty that it restricts the flow of the water to the heater. Do not adjust the switch unless the heater is installed more than two (2) feet below surface of spa water. If adjustment is necessary, follow the procedure as outlined. Refer to the diagrams for approximate settings for various heights.

Your heater is equipped with a pressure switch that is adjustable from one to five pounds. The switch is factory set at 3 psi \pm 3/4 psi.

Installation below spa surface:

CAUTION: Do not remove any access covers from the C-SPA-X1 until all sources of electrical power to the unit have been turned off or disconnected. Do not make any repairs or pressure switch adjustments with the power on.

1. Clean filter thoroughly.
2. Set heater thermostat to highest setting.
3. Start filter pump. Make sure all air is out of water lines and complete system is full of water.

4. Turn filter pump and power source off, adjust pressure switch control. Signal light on heater will indicate off when power is restored. See caution above.
5. Check pressure switch function by turning filter pump on and off causing heater to respond on or off. If heater is installed beyond pressure limits, a flow switch must be installed in water line to heater.

Installation above spa surface:

1. If heater is installed less than three (3) feet above the surface of the spa water, install eyeball fittings or directional flow fittings on the end of the return water line to the spa to create adequate back pressure at the heater to operate the pressure safety switch when filter pump is running.
2. If heater is installed more than three (3) feet above surface of spa water, install as shown above to prevent drainage of water in heater during filter change.

WARNING: No valves or other obstructions are to be installed between the heater outlet and the return to the spa. See water piping on page 3.

Two speed pump:

In some cases, the pressure from a two speed pump is below the one pound minimum required to operate the heater. This is apparent when the pressure switch cannot be further adjusted. In these cases the pump must be run at high speed to operate heater. If your pump and piping arrangements are such that the required one pound minimum pressure cannot be obtained, do not attempt to operate the heater. Correct the installation.

Installation Below Pool Surface
Figure 7

Installation Above Pool Surface.
Figure 8

Figure 2: Heater pressure switch settings instructions

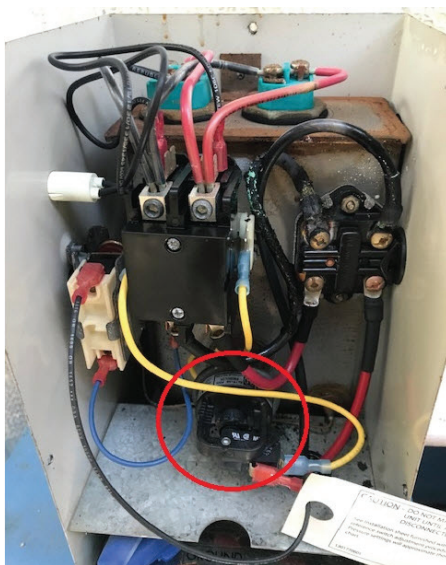


Figure 3: Heater pressure switch location

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Troubleshooting

When water puddles appear outside the iPool during filling

Please note that water naturally accumulates outside the pool during filling. If you see small puddles near the floor of the iPool, there is a good chance that it is not a leak or puncture, because the liner is very strong. Due to the effect of gravity and the shape of the liner, all excess water accumulates to the floor and can get pushed out from the bottom.

If you are concerned about a possible leak or damage to the liner, we recommend that you do NOT drain your iPool!

Simply stop filling the pool, place a piece of duct tape at the top water level mark, and then wait a day to see if the water level drops. The water level will start dropping about an inch a day if there is actual damage to the pool liner, such as an actual puncture.

Note: Do not let your partially filled iPool sit for a day without first marking the top water level with duct tape. It's very difficult to determine if the water level has dropped, simply by a casual "eyeball" inspection.

If there is no drop in the water level, you can use bathroom towels to mop up the excess water, and then resume filling your iPool.



Figure 1: Example of a non-leak due to filling