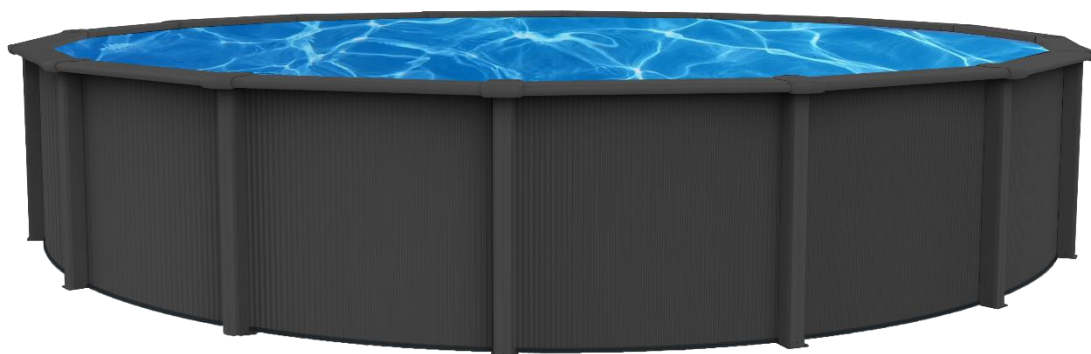




ONYX ROUND POOL

Instruction Manual



IMPORTANT: READ ALL STEPS OF THIS MANUAL BEFORE INSTALLATION.



To lessen your risk of serious injury or death, follow these rules:

IMPORTANT SAFETY INSTRUCTIONS

The following instructions contain important safety information, we strongly encourage you to read these important safety instructions and abide by them when using . When installing and using this electrical equipment, basic safety precautions should always be followed. This includes the following.



WARNING!

CHILDREN HAVE DROWNED IN PORTABLE SWIMMING POOLS. ENSURE ACTIVE ADULT SUPERVISION AT ALL TIMES. DO NOT LEAVE CHILDREN UNSUPERVISED IN OR AROUND

THE POOL – KEEP THEM WITHIN ARMS' REACH. POOL FENCING LAWS APPLY TO THIS POOL. CONSULT YOUR LOCAL GOVERNMENT AUTHORITY FOR FENCING REQUIREMENTS.

READ AND FOLLOW ALL INSTRUCTIONS.


- NOTE -** Please examine equipment before use. If there are any damaged or missing parts at the time of purchase, do not assemble or operate until parts are replaced.
- WARNING -** Consult your local council, state government or water authority in regards to the use of water and / or water restrictions relating to this product.
- WARNING -** Pool fencing laws affect this product, consult your local council and state government. Abide by state and federal law requirements such as fencing, enclosures, childproof gates, etc.
- WARNING -** Water attracts children; Always remove pool ladder when not in use. Store in a place not accessible to children.
- DANGER -** Prevent the Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children can not use the Pool unless they are supervised by an adult at all times.
NEVER LEAVE CHILDREN UNATTENDED.
- WARNING -** **RISK OF ELECTRIC SHOCK.** Connect Filter Pump only to a grounding type receptacle protected by an RCD (Residual Current Device). Use a qualified electrician to install the RCD, which has a maximum rate of 30mA.
- WARNING -** Know where the cut-off switch for your pump is at all times, so you can turn it off in an emergency. It is necessary to have the RCD (Residual Current Device) Cut-Off Switch plug accessible after installation of the Pool.
- WARNING -** Never use an extension cord to connect the filter pump to a power source. Doing so could cause damage to the filter pump system.



WARNING



To lessen your risk of serious injury or death, follow these rules:

- WARNING** - To avoid electrocution, do not permit electric devices i.e. light, telephone, radio, television, hair dryer, etc within 2.5 of this Pool.
- WARNING** - **RISK OF ELECTRIC SHOCK.** Never operate any electrical appliance when in the Pool or when your body is wet.
- WARNING** - To reduce the risk of injury or hazard, have any damaged cord replaced immediately by the manufacturer, its service agent, or similarly qualified persons.
- WARNING** - Do not bury electric cord. Avoid using lawn mowers, hedge trimmers and other garden equipment near or around the Metal Wall Pool and electrical cord.
- WARNING** - **NEVER** swim or bathe in the Pool during rain or an electrical storm or if there is a threat of lightning in the vicinity of the Pool.
- WARNING** - **NEVER** allow horseplay, diving or jumping into or around the Metal Wall Pool. Never enter the Pool via any decks or other raised surfaces; the water level of the Pool is shallow. Serious injury, paralysis or death could result.
- CAUTION** - It is advisable to wear protective gloves when assembling pool 



NO DIVING



NO JUMPING



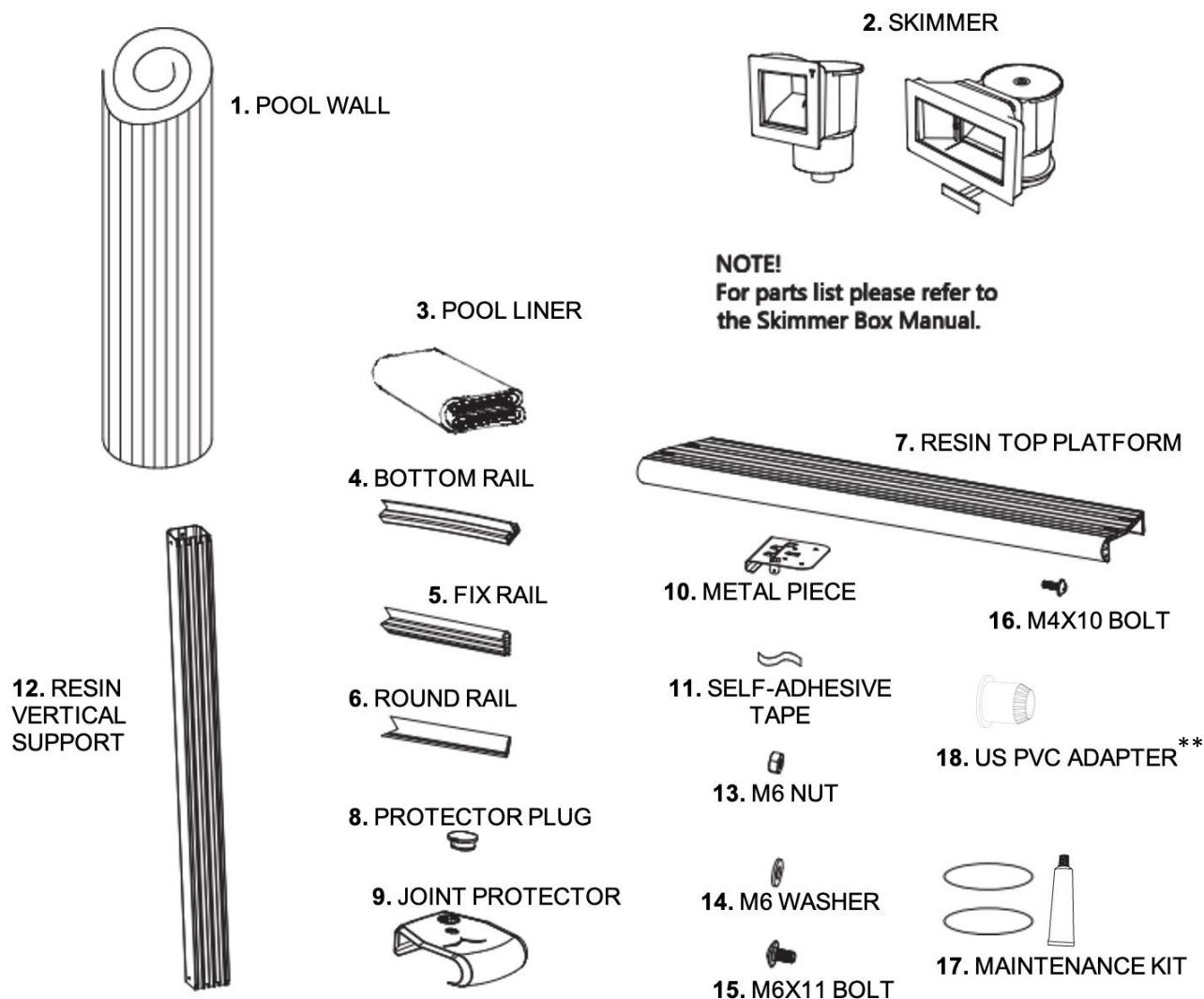
NO SLOPING GROUND



**USE ONLY UNDER
COMPETENT SUPERVISION**

SAVE THESE INSTRUCTIONS

PARTS LISTING



PLEASE NOTE:

Check all parts and ensure they are present and undamaged before assembly
Report all missing or damaged parts immediately to have them replaced
Parts may slightly differ from images in this manual

Item No.	Pool Dimensions
ON15RD	15' Round x 52" Wall
ON18RD	18' Round x 52" Wall
ON21RD	21' Round x 52" Wall

**US PVC Adapter connects to skimmer

#	PART NO.	DESCRIPTION	ONYX ROUND POOLS		
			ON15RD	ON18RD	ON21RD
1	20001001	POOL WALL	1	1	1
2	20001007	SKIMMER	1	1	1
3	20001003	POOL LINER	1	1	1
4	20181001	BOTTOM RAIL	10	12	14
5	20181002	FIX RAIL	10	12	14
6	20181003	ROUND RAIL	10	12	14
7	20181004	RESIN TOP PLATFORM	10	12	14
8	20181005	PROTECTOR PLUG	10	12	14
9	20181006	JOINT PROTECTOR	10	12	14
10	20181007	METAL PIECE	20	24	28
11	20001021	SELF-ADHESIVE TAPE	1	1	1
12	20181008	RESIN VERTICAL SUPPORT	10	12	14
13	20001022	M6 NUT	26	26	26
14	20001026	M6 WASHER	26	26	26
15	20001023	M6X11 BOLT	76	86	96
16	20001024	M4X10 BOLT	60	72	84
17	20001011	MAINTENANCE KIT	1	1	1
18		US PVC ADAPTER	1	1	1

SELECTING A SUITABLE SITE

Carefully select the site for your new pool. This is the most important decision you will have to make to ensure the safety and success of your pools construction. An incorrect site could cause problems in the future that may cause serious injury or financial loss. Read the below conditions set out for selecting the proper installation site.

Acceptable:

- Flat, level, firm and dry ground with easy access to all sides of the pool.
- Exposed to direct sunlight, preferably in the morning.
- Safe access to electricity for running the filter pump and other pool accessories.
- Access to a main water source.
- Protection from the wind.

Not Acceptable:

- Sloping ground
- Concrete, asphalt, sandy gravel or swampy ground
- Close to wooden construction, e.g. pergola's and decking
- Next to deciduous or leafy trees
- Over-head wires and clothes lines
- Drains, electric wires or gas pipelines underneath the site
- Poor or little drainage or high flood risk conditions
- High wind conditions

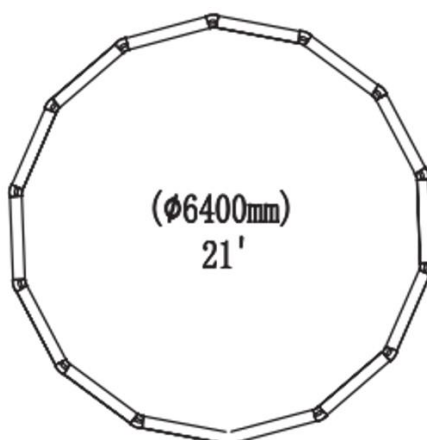
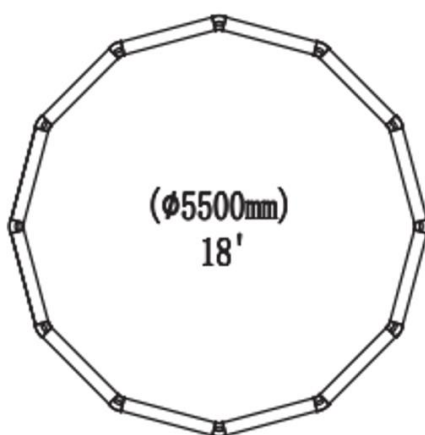
Tools Required:

- Phillips head screwdriver
- Small Shifter
- Clothes Pegs
- Spirit Level
- Sharp Knife
- Site Excavation Tools
- Protective Gloves

POOL SET UP

GROUND PREPARATION

1. The preparation of the ground is the most important step in the installation of the pool.
2. Mark off your pool area by driving stakes. Have a helper hold a tape measure or a string and mark off the pool perimeter using flour or chalk. Remove sod inside the pool area to a distance of 30cm (1ft) beyond the dimensions shown in the plot layout around the entire perimeter of the pool.



LEVELLING THE AREA

Warning! Leveling is extremely important: take as much time as possible to work out a site that is completely firm and leveled.

Use a carpenter's level and straight edge to ensure that the site is completely level, flat and firm. **See Diagram 1.** The pool contains a large amount of water and thousands of kilos of weight. Should the pool collapse due to unlevelled ground, it could cause damage to the property and serious injury. Remove the higher ground rather than filling low laying ground. **See Diagram 2.**

Always remove grass and stones within the circle.

Use the ground sheet to ensure that the grass doesn't penetrate the pool liner and cause damage.

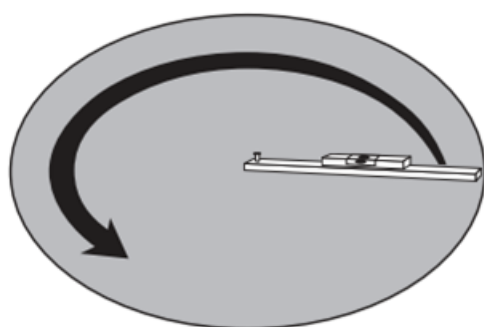
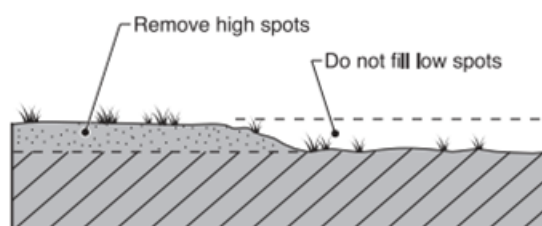


Diagram 1

Diagram 2



Spread a light layer of fine brick layers sand over the foundation area. Level this area evenly. **See Diagram 3.**

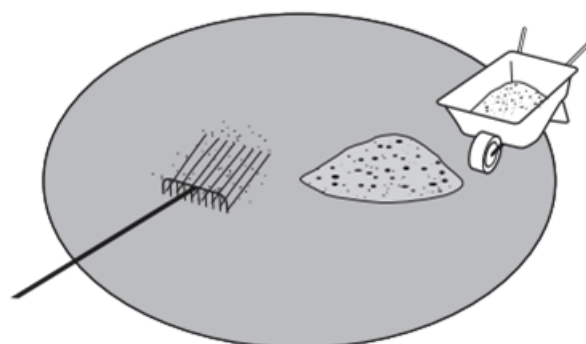
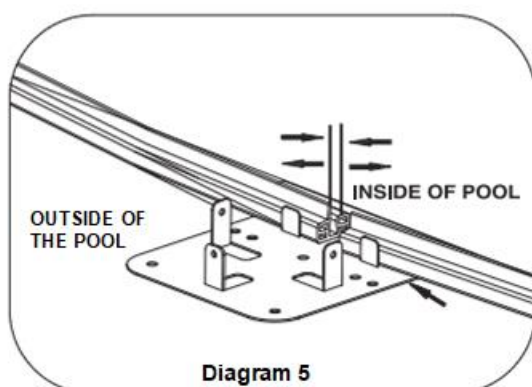
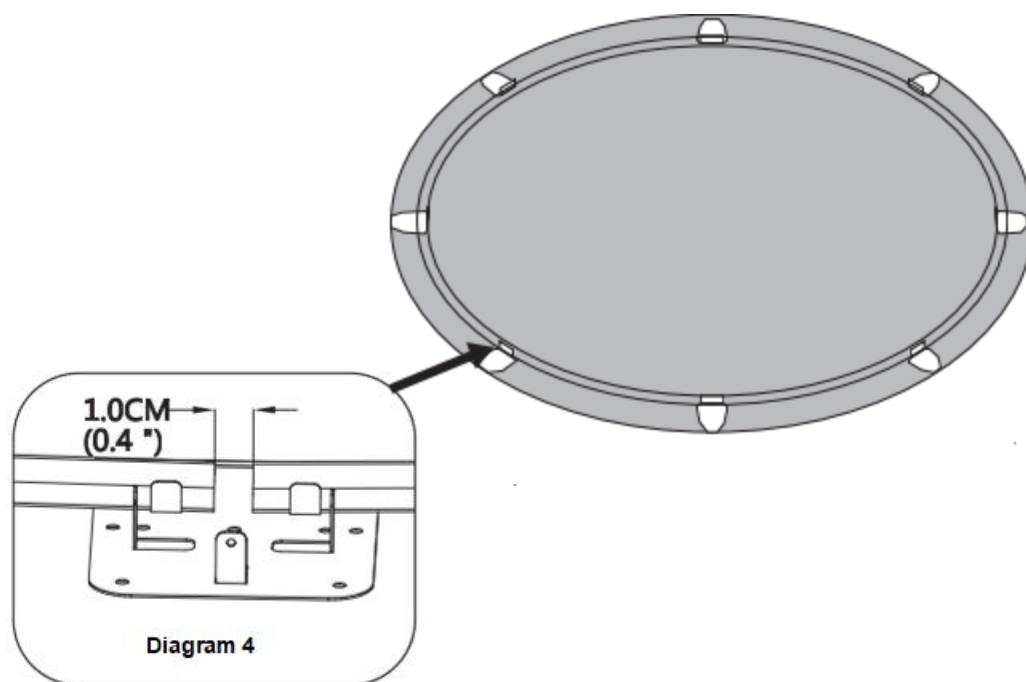


Diagram 3

ASSEMBLING THE POOL BASE RAILS

Unpack all of the components and check the parts against the checklist. Slide the bottom rail into the metal piece. **IMPORTANT:** Leave about 1cm (0.4") gap between the 2 ends of the bottom rail. Repeat this process for all bottom rails. See **Diagram 4**.



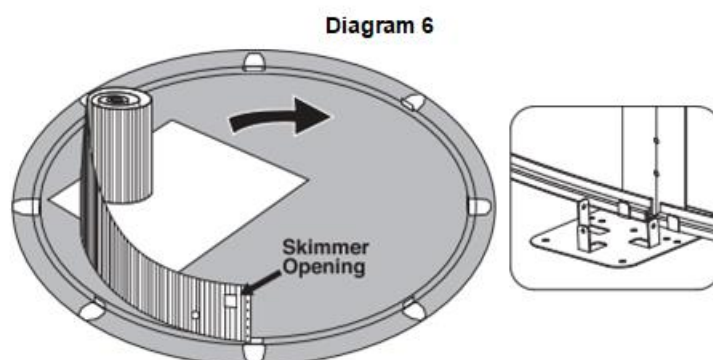
Fine Adjustment of the Bottom Rail(s) Diameter

Once all the rails are in place in the metal pieces, it should form a complete circle. The diameter should be equivalent to the diameter of the pool itself. You can shorten or lengthen the gap distance between the 2 ends of the bottom rails. See **Diagram 5**.

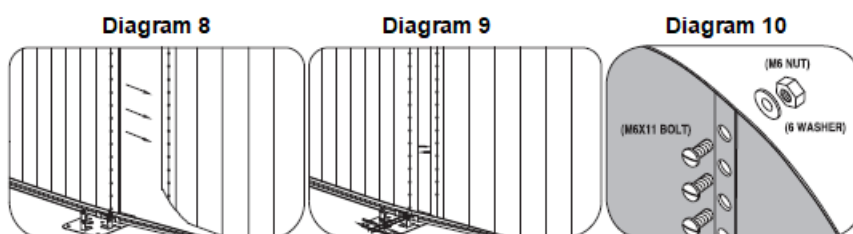
FIXING THE POOL WALL

Put the pool wall on the ground cloth, cardboard or a piece of plywood. **See Diagram 6.** This is to protect the leveled ground while installation of the pool is taking place. Make sure the square window for the skimmer is on the upward facing side.

It is advised to wear protective gloves when handling the metal wall.



You should decide where the skimmer and filtration system will be placed. The opening end of the pool wall closest to the square window should be placed on the closest metal piece to your selected location for the electric supply or filtration system. The pool wall end should be resting in the centre of the base metal piece. **See Diagram 7.** Make sure that this location is not in a windward position. Make sure the square window is in the upward position.



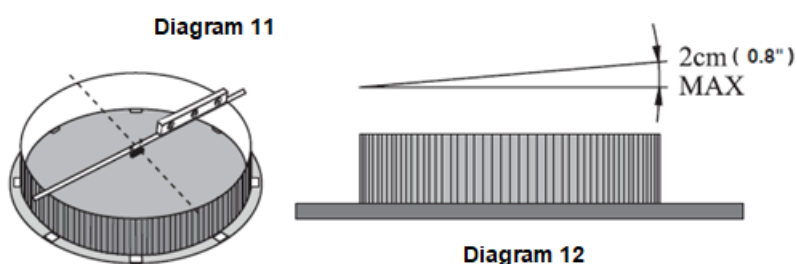
Next, uncoil the entire pool wall onto the ground rail. Join the 2 ends of the pool wall together. Line up the screw holes. If you cannot line up the screw holes, adjust the gap distance of the two ends of the bottom rails. **See Diagram 8, 9.**

Place the screw heads through the inside of the pool. Nuts should be on the outside of the pool wall. See **Diagram 10**.

WALL BOLTS MUST BE HAND TIGHTENED ONLY. TO PREVENT POSSIBLE WALL JOINT FAILURE, NEVER RELY ON A POWER TOOL (i.e., CORDLESS DRILL) TO TIGHTEN THE WALL BOLTS.

Check to see if the pool wall is level.

This can be achieved by placing a length of rigid timber or similar across the diameter of the pool and placing a builders level on top. See **Diagram 11**.

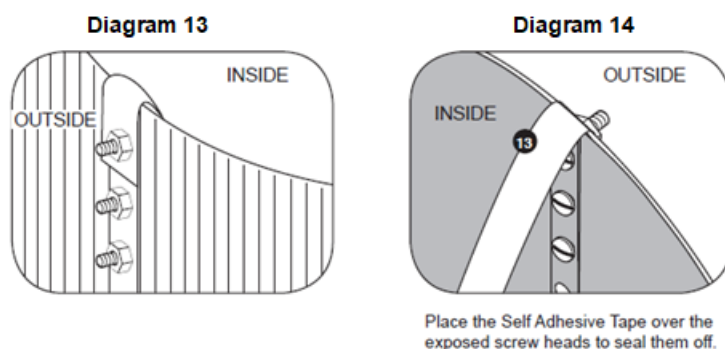


If the deviation is more than 2cm (0.8"), See **Diagram 12**, then the ground site must be leveled again.

Warning: A pool that is not level is very dangerous and may collapse at any time.

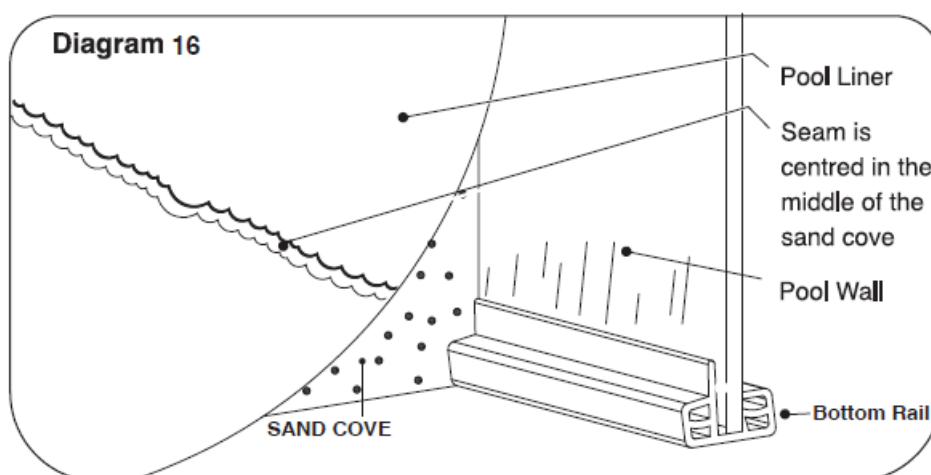
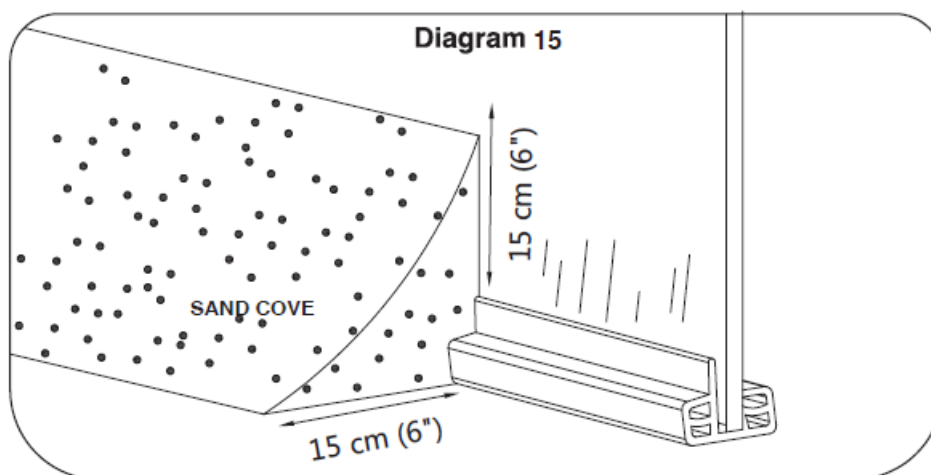
Also check to make sure the pool wall is round. Measure the diameter across in a few spots to make sure the differences of diameter measured are within 2cm (0.8").

Cover the screw heads with the self-adhesive tape. See **Diagrams 13, 14**.



CREATING THE COVE AT THE FOOT OF THE INNER POOL WALL

To protect the liner against the sharp edges of the metal rail and pool wall, it is recommended to build a protective covering made of fine brick sand at the foot of the pool wall. **See diagram 15, 16.** The size should be 15cm H x 15cm W (6"x6") so that it completely seals the rail but doesn't distort the pool liner.

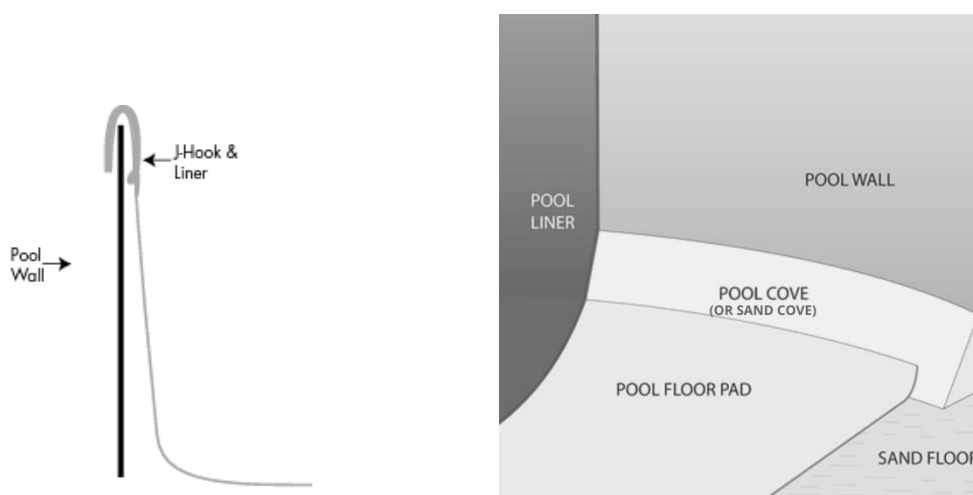


INSTALLING THE POOL LINER

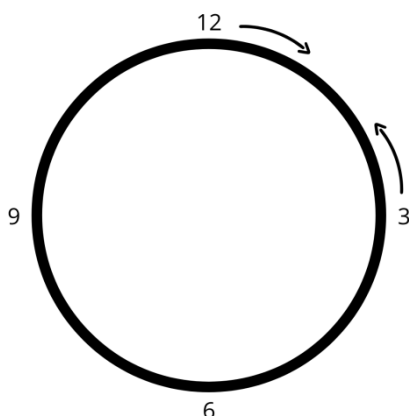
Install the liner on a warm and sunny day, preferably above 22 °C (72 °F). Unfold the liner and put it in the sun for 2 hours. This helps to soften the material. If the temperature is below 16 °C (60 °F), the liner will be hard and rigid and quite difficult to handle.

Place the liner box inside the centre of the pool. Open the liner up and **DO NOT** use anything sharp to open the liner. Unpack the liner and spread it out so it can lay in the sun to warm up. Inspect all seams for holes. Spread out the liner so the seam where the wall meets the floor is centered on the cove at the base of the wall. The other seams will form straight lines across the bottom of the pool.

Smooth out all wrinkles on the bottom of the floor by pushing it towards the pool wall. **NEVER PULL OR DRAG** the liner. There should be no air between the liner and floor base, especially by the cove area which is where the pool wall and angled sand base (or foam cove) meet. If you do still have air space behind the liner, it is highly recommend to add extra sand to fill that space in.

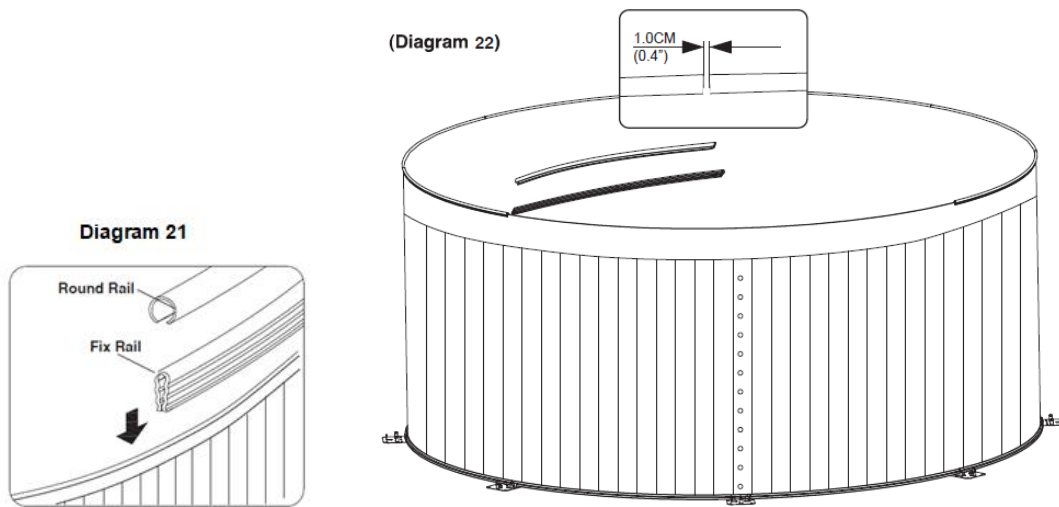


Fasten the liner in place by lifting the side of the liner and hooking the liner onto the wall edge. A helpful tip is to start at the 12, 3, 6 and 9 o'clock positions. You can use electrical tape to hold the liner in place. Start from any two positions and work the liner onto the wall to the centre for those two positions. For example, you can start at position 12 o'clock and 3 o'clock and work your way to the centre of those two points. Continue until the liner is over the wall.



Make sure you liner has no creases in it because if the liner is twisting, it means it was not installed properly.

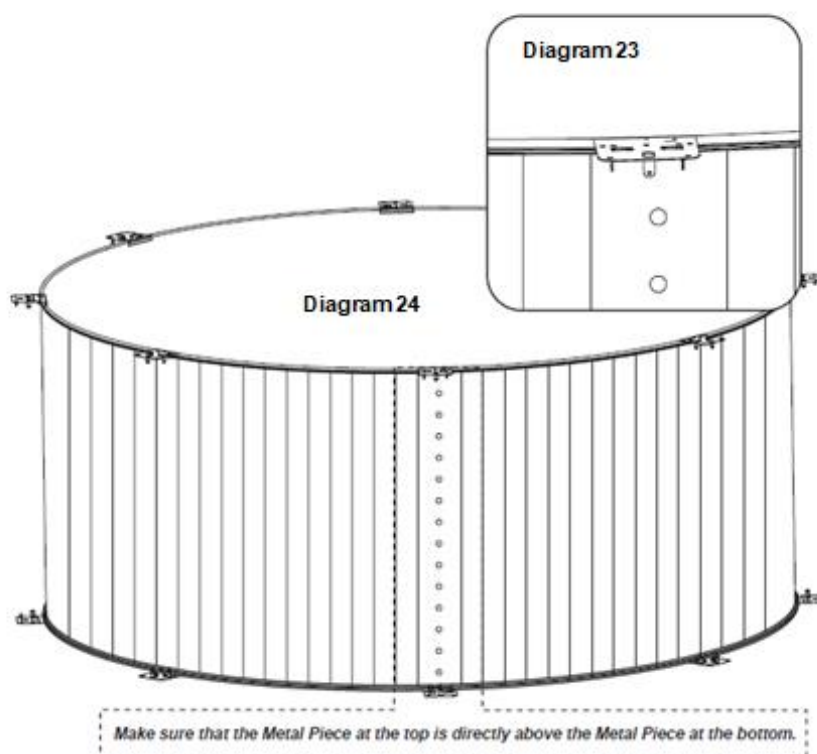
Clip on the fix rails. **See Diagram 21.** Make sure to leave a 1cm (0.4") gap between the two ends of the rail. **See Diagram 22.** Connect another fix rail; continue around the circle until all fix rails are joined together. Last, apply the round rails to the fix rails. **See Diagram 22.**



Fix all Fix Rails and Round Rails to the top of the pool wall and make sure they are sitting properly.

INSTALLING THE METAL PIECE

Hook the metal piece over the top of the rail. **See Diagram 23.** The first metal piece should be placed on top and in the middle of the pool wall joint. **See Diagram 24.**



ASSEMBLY OF THE RESIN VERTICAL SUPPORTS

Line up all the screw holes for the resin vertical supports. The first resin vertical support should be placed over the joint in the pool wall. Fix the resin vertical support onto the metal pieces. Line up the screw holes and check if the vertical sections are in line. Once all resin vertical supports are in place and straight, fix the resin vertical supports with the provided screws. **See Diagram 25, 26, 27.**

Diagram 25

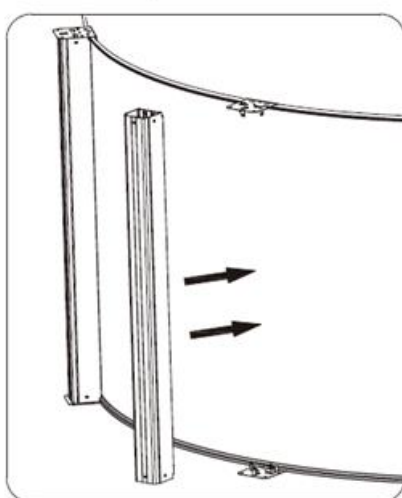


Diagram 26

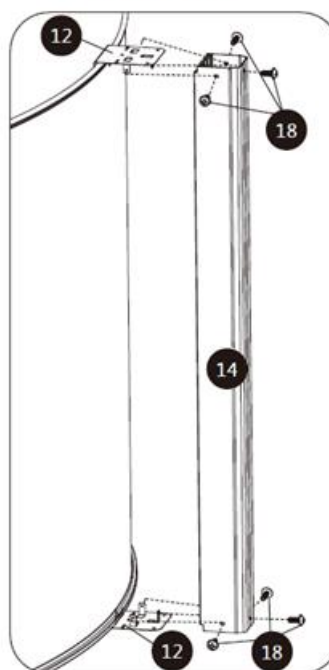
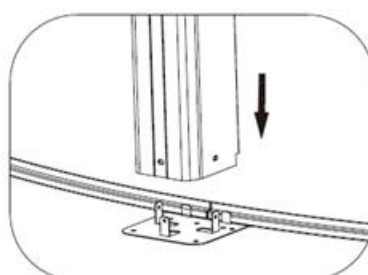
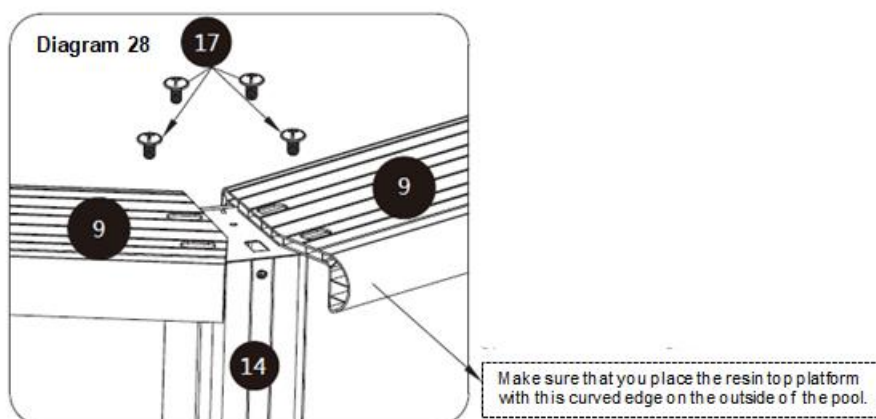


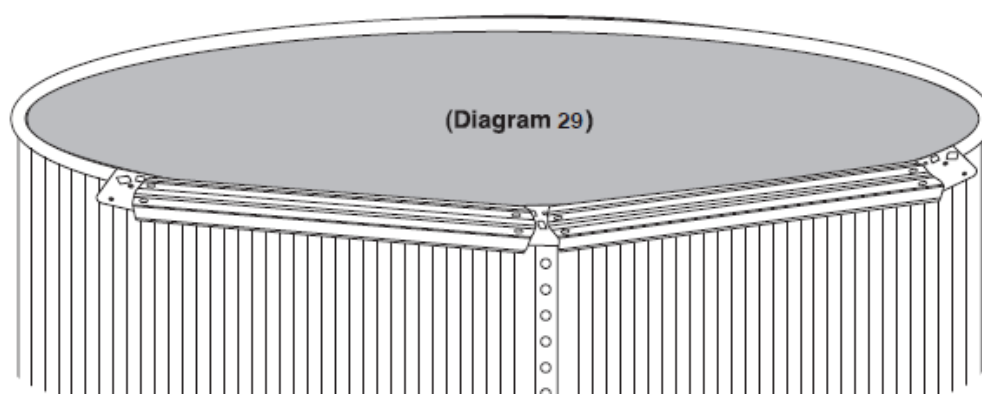
Diagram 27



Place a resin top platform over a top metal piece and attach it using four bolts. Continue this process until all of the resin top platforms are attached to all of the metal pieces at the top. **See Diagram 28.**



Adjust the distance between the two metal pieces if necessary to accommodate the top platforms. Once you have fixed all the platforms into position, line up the screw holes and lightly fasten with the bolts provided. **See Diagram 29.**



Fix all resin top platforms on to the metal pieces at the top and make sure they are all sitting properly before finally tightening the screws.

ASSEMBLY OF THE JOINT PROTECTORS

The soft flexi joint covers are for sealing the edges of the resin top platforms. Hook the cover over the inside edge of the resin top platform and gently pull to fasten the cover to the outside edge. Fix with the screws provided. See **Diagram 30, 31, 32, 33.**

Diagram 30

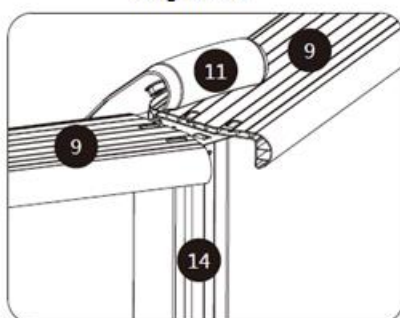


Diagram 31

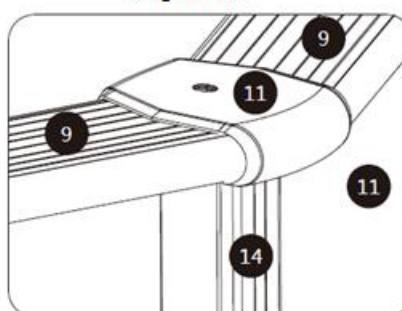


Diagram 32

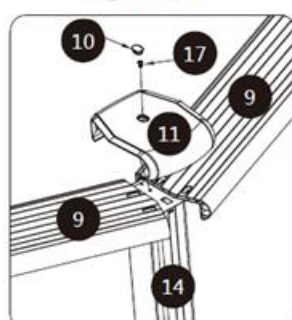
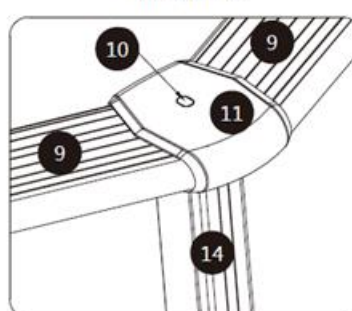


Diagram 33



FIXING THE LEAF SKIMMER

To prevent rusting, all edges of the cut out must be covered by vinyl tape or anti-rust paint. Begin the installation of the through wall skimmer. Follow separate skimmer installation instructions.

Important: If using US PVC hose (such as Tigerflex), use the included US PVC adaptor to connect the hose to skimmer.

FILLING THE POOL WITH WATER

Before you fill the pool with water, thoroughly check to see if there are any loose screws, holes or tears in the liner. Fill the pool until it is half way across the skimmer box opening or to the maximum water level (minimum of 15cm (6") from the top of the pool wall). **See Diagram 34.** This is to make sure water is entering the skimmer.

Warning: to avoid collapse, never leave the pool without water in

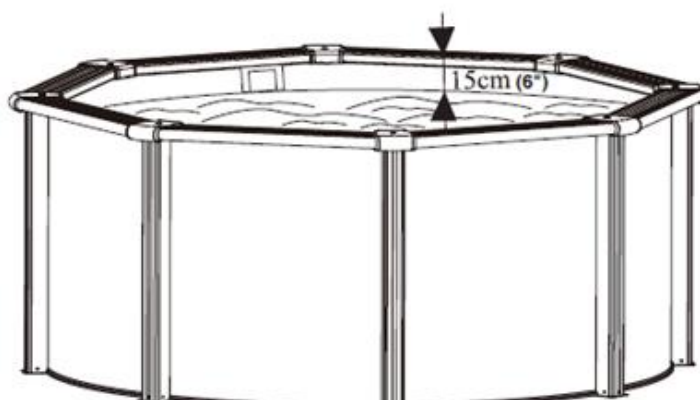


Diagram 34

Warning: The filter and pump must be switched off if there are swimmers inside the pool. Follow assembly instructions in the filter

POOL MAINTENANCE

1. Always keep you pool clean and apply the correct pool grade chemicals. Unsanitary water is a serious health hazard.
2. Maintain a pool pH level between 7.2 to 7.6
3. Ask your dealer first about modifying your filtration system.
4. Clean the liner regularly with non-abrasive brushes or a pool vacuum cleaner.
5. Turn your filtration system on at least once day before using the pool. Allow enough time to ensure the pool water is completely filtrated before use.
6. Make sure the water level is 15cm (6") from the top.

GENERAL WATER SAFETY

SUPERVISE CHILDREN AT ALL TIMES AROUND WATER. ENSURE YOU HAVE A POOL FENCE THAT IS CORRECTLY INSTALLED AND FUNCTIONING. LEARNING CPR COULD SAVE A LIFE.

Read this as often as you can before you use the pool with children in it. Ensure you are prepared for any situation that may occur so that you are able to offer adequate aid and assistance.

Child supervision should be close and constant.

Name only one safety supervisor.

Reinforce supervision when there are several users in the swimming pool.

Have personal flotation aids available (for all people who cannot swim).

Wet your arms, neck and legs before you enter the water.

Make sure you are trained in life-saving techniques, especially for children.

Do not allow children who are unable to swim to enter the pool without flotation devices and direct supervision. Flotation devices are not a substitute for adult supervision.

Do not leave toys near or in the pool with no supervision.

Always keep the water clean and sanitized.

Store pool chemicals away from children's reach.

Always keep a pool buoy and pole nearby.

Install and secure the pool cover when not in use.

Keep the pool fence gate shut when the pool is not occupied.

If possible, use an electronic pool alarm that can detect someone falling into the pool.

THERE IS NO REPLACEMENT FOR CLOSE ADULT SUPERVISION OF CHILDREN