C.P.A. S.R.L.

WHITE POOL

Assembly and maintenance guide

READ CAREFULLY THIS MANUAL AND RETAIN FOR LATER REFERENCE

Summary

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 this pool. When installing and using this electrical equipment, basic safety precautions should always be followed, this includes the following.

Read and follow all these 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 - 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 Devise) 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.

Follow these safety rules:

Warning - To avoid electrocution, do not permit electric devices i.e. light, telephone, radio, television, hair dryer, etc. within 2,5 m (8 ft) of this pool.

Warning - Risk of electric shock. Never operate any electrical appliance when in the pool or when your body is wet.

Warning - 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 burry 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 desks 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

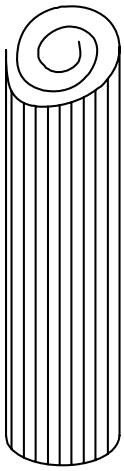
No sloping ground

Use only under competent supervision

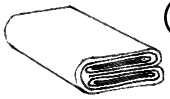



Save these instructions

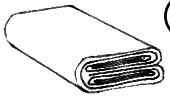
Components



1 pool wall

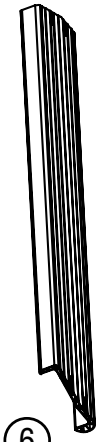


2 pool liner

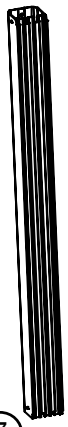


3 ground sheet

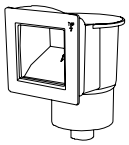
5 top platform



6 side top platform A and B



7 vertical support



8 leaf skimmer

N.B. for parts list please refer to the skimmer box manual.

9 bottom rail

10 fix rail

11 round rail

12 protector plug

13 upper joint protector

14 top/bottom metal piece

15 adhesive tape

16 nut M6

17 washer M6

18 bolt M6 x 11

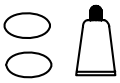
19 bolt M4 x 10

24 nut M12

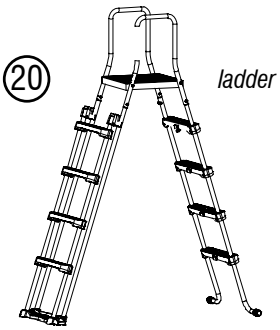
25 washer M12

26 bolt M12 x 24

27 bolt M12 x 100



28 maintenance kit



20 ladder

21 L support

22 fixing plate

23 connection plate

Item No.	Description	Pool dimension (mm)
8011015	White Pool 490	L4900 x W3600 x H1300
8011012	White Pool 610	L6100 x W3600 x H1300
8011013	White Pool 730	L7300 x W3600 x H1300
8011014	White Pool 910	L9100 x W4600 x H1300

No.	Description		white pool 490 8011012	white pool 610 8011012	white pool 730 8011013	white pool 910 8011014
1	Pool wall		1	1	1	1
2	Pool liner		1	1	1	1
3	Ground sheet		1	1	1	1
5	Top platform	1370mm length	10	10	10	0
	Top platform	1460mm length	0	0	0	12
6	Side top platform	1210mm length	0	2	4	0
	Side top platform	1445mm length	0	0	0	4
7	Pool wall vertical support		10	12	14	16
8	Leaf skimmer		1	1	1	1
9	Bottom rail	1350mm length	10	10	10	0
	Bottom rail	1245mm length	0	2	4	0
	Bottom rail	1445mm length	0	0	0	16
10	Fix rail	1380mm length	11	11	11	0
	Fix rail	1270mm length	0	2	4	0
	Fix rail	1460mm length	0	0	0	17
11	Round rail	1380mm length	11	11	11	0
	Round rail	1270mm length	0	2	4	0
	Round rail	1460mm length	0	0	0	17
12	Protector plug		10	12	14	16
13	Upper joint protector		10	12	14	16
14	Top/bottom metal piece		18	20	22	26
15	Self-adhesive tape		1	1	1	1
16	M6 - nut		29	29	29	29
17	M6 - washer		29	29	29	29
18	M6x11 - bolt		83	97	111	121
19	M4x10 - bolt		54	80	66	78
20	ladder		1	1	1	1
21	L support		2	4	6	6
22	Fixing plate	1415mm length	2	4	6	0
	Fixing plate	1714mm length	0	0	0	6
23	Connection plate	1270mm length	1	2	3	0
	Connection plate	1620mm length	0	0	0	3
24	M12 - nut		8	16	24	24
25	M12 - washer		8	16	24	24
26	M12x24 - bolt		4	8	12	12
27	M12x100 - bolt		4	8	12	12
28	Maintenance kit		1	1	1	1

PHASE 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 pool construction. An incorrect site could cause problems in the future that may cause injury, death or financial loss.

Read carefully the check list set out below when selecting your site.

TOOLS REQUIRED

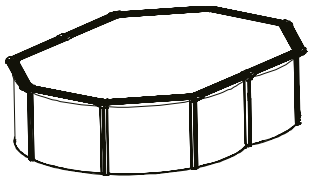
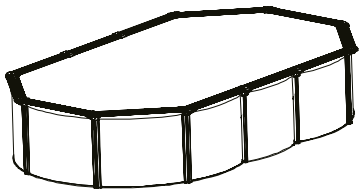
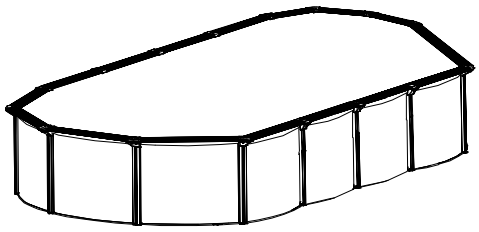
- Phillips head screw driver
- Small shifter
- Clothes pegs
- Sharp knife
- Spirit level
- Site excavation tools
- Protective gloves
- Pre-cast cement block

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 main water source.
Protection from wind.

NOT ACCEPTABLE

- sloping ground
- concrete, asphalt, sandy gravel and swampy ground
- close to wooden construction e.g. pergola's and decking
- next to deciduous or leafy trees
- over-head wires and clothes line
- drains, electric wires or gas pipelines underneath the site
- poor or little drainage or high flood risk locations
- high wind conditions


PHASE 2 – Pool setup

I. Ground preparation

The preparation of the ground is the most important step in the installation of the pool.

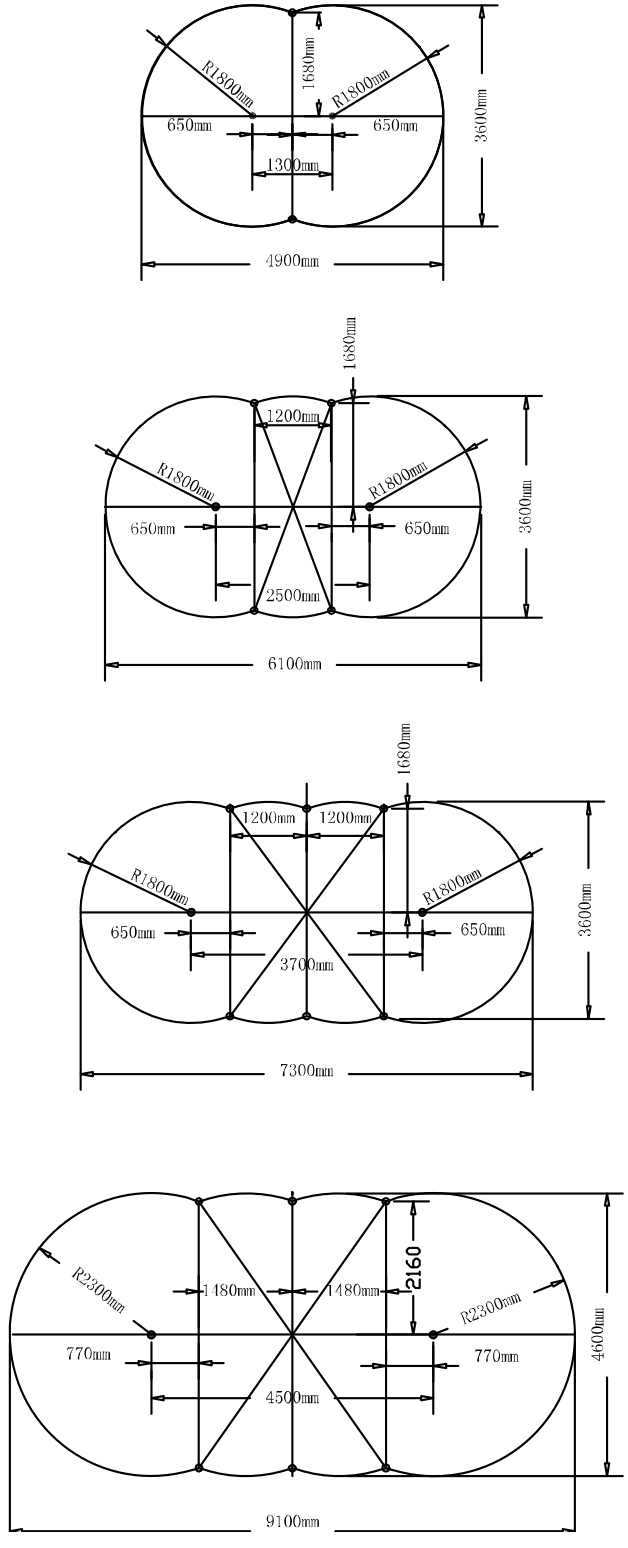


Diagram 1

II. Marking the site

1. Mark the center of the site and drive a stake or screw driver into the soil (see diagram 2).

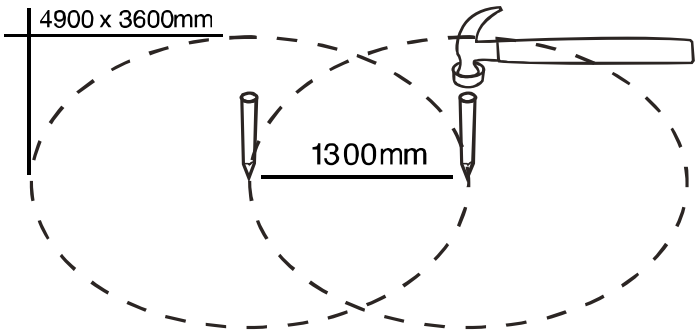


Diagram 2

2. Tie a piece of string onto the stick. At the other end of the string, tie a funnel. The distance between the stick and the funnel should be 150 mm more than the radius of the pool (see diagram 3).

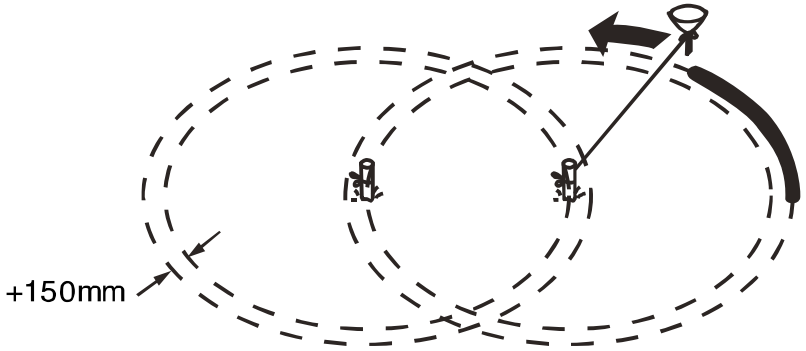


Diagram 3

3. Place flour or chalk dust into the funnel and draw a circle around the stake. If the smallest diameter is 3600 mm, then the 2 circles should be 3900 mm in diameter (see diagram 4).

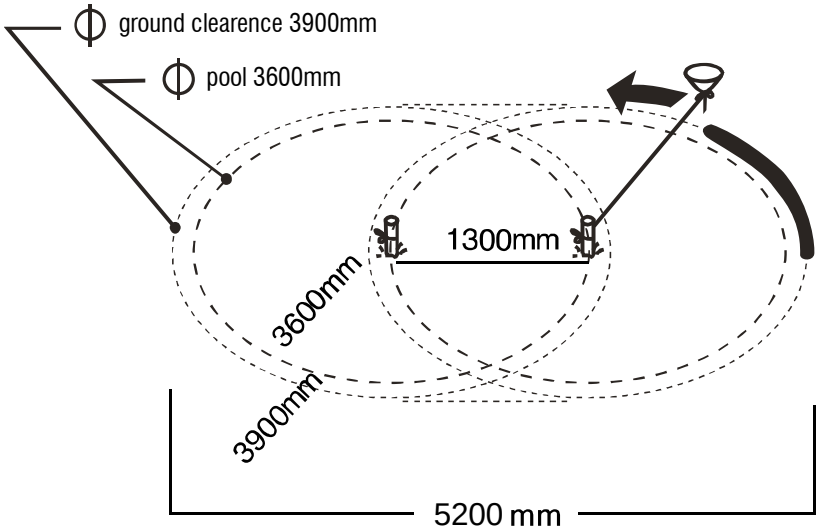


Diagram 4

III. Levelling the area

WARNING

Levelling is extremely important: take as much time as possible to work out a site that is completely firm and levelled. **Use a carpenter's level and straight edge to ensure that the site is completely level, flat and firm** (see diagram 5). The pool contains a huge amount of water and thousands of kilos of weight. Should the pool collapse due to unlevelled ground, it could cause a lot of damage to property and even human injury or death!

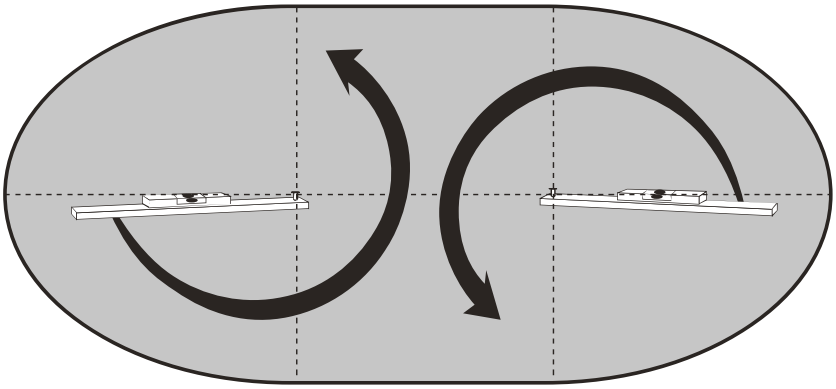


Diagram 5

Remove the higher ground rather than filling the low laying ground (see diagram 6).

WARNING

Always remove grass and stones within the circle. Use ground sheet to ensure that the grass doesn't penetrate the pool liner and cause damage.

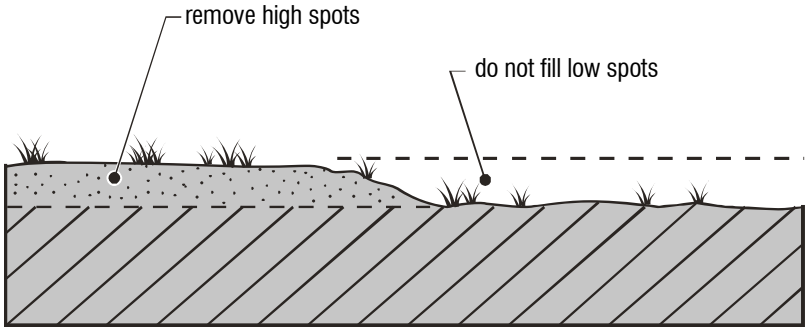


Diagram 6

Spread a light layer of fine brick layers sand over the foundation area. Level this layer evenly (see diagram 7) . Once the site has been cleared and levelled, it is time to start assembling the frame assembly.

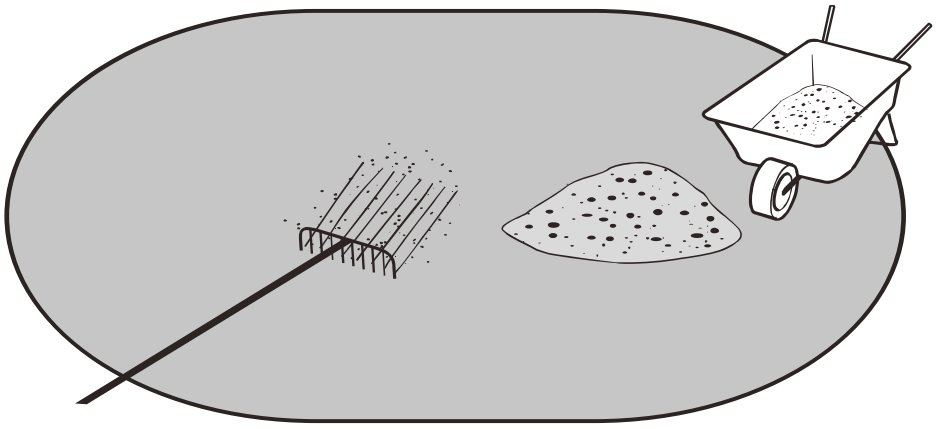


Diagram 7

IV. Pool frame assembly

Unpack all off the components and check the parts against the checklist. See diagram 8, the same L support (21), fixing plate (22) and connection plate (23) are used for below items.

Item No.	Description	Pool dimensions (mm)
8011015	White Pool 490	L4900 x W3600 x H1300
8011012	White Pool 610	L6100 x W3600 x H1300
8011013	White Pool 730	L7300 x W3600 x H1300

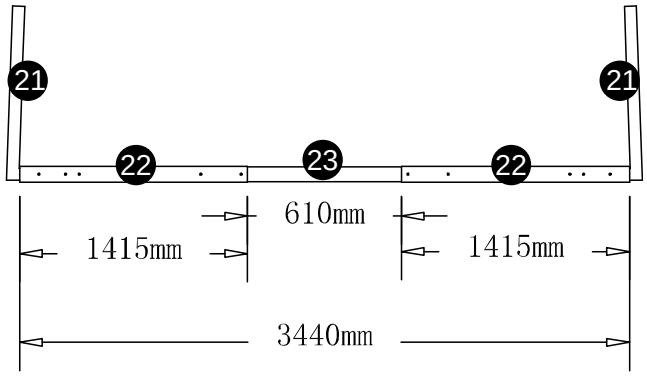


Diagram 8

See diagram 9, the same L support (21), fixing plate (22) and connection plate (23) are used for below items.

Item No.	Description	Pool dimensions (mm)
8011014	White Pool 910	L9100 x W4600 x H1300

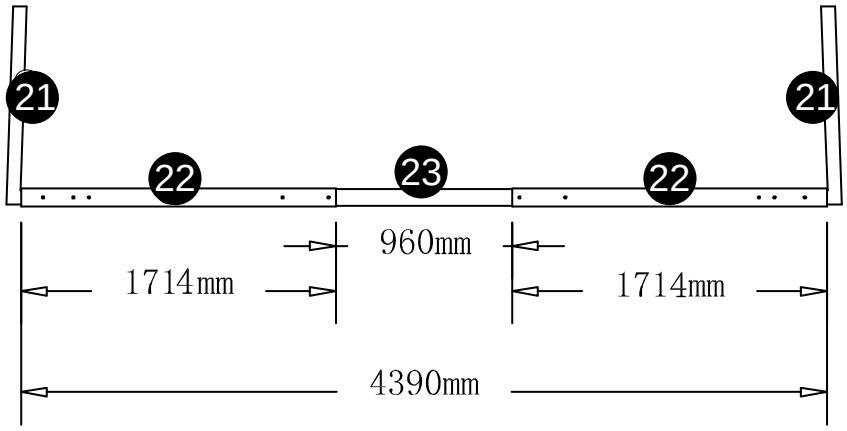


Diagram 9

Connect the L support (21), fixing plate (22) and connection plate (23) as shown in diagram 8-10, using the nut (24), washer (25) and bolt (27) provided in the screw bag.

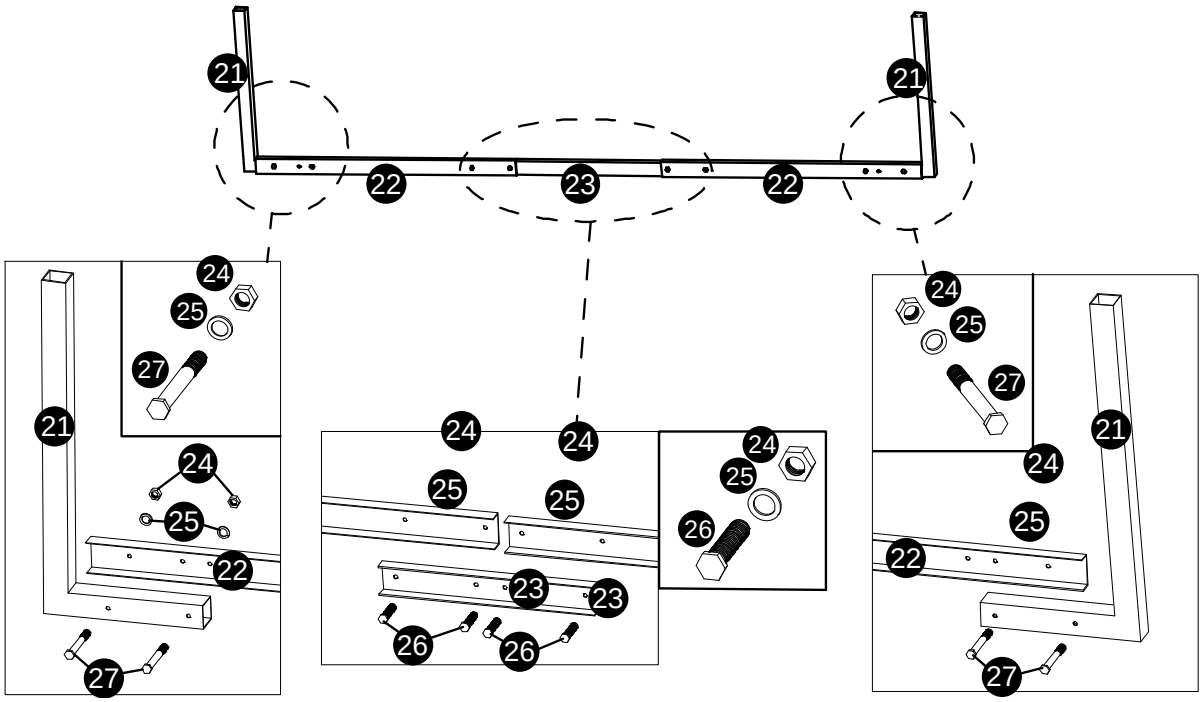


Diagram 10

Once the frames have been correctly assembled and all of the nuts and bolts have been tightened, it's time to position the assembled frames onto the pool site.

Please refer to the layout size of pool you have purchased.

WHITE POOL 490 - 8011015

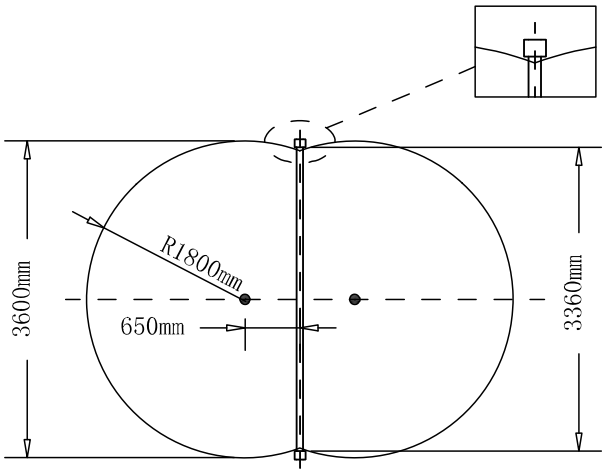


Diagram 11

Place the assembled frame upright across the width of the pool at a point 2450mm from the end of the cleared area (see diagram 11).

WHITE POOL 610 – 8011012 WHITE POOL 730 - 8011013

Place the 1st assembled frame upright across the width of the pool at a point 2450 mm from the end of the cleared area. Place the 2nd and the remaining assembled frames at a point 1200 mm from the center line of the adjacent assembled frame (see diagram 12 and 13).

Note: 1200 mm measurements are taken from the center of the L supports.

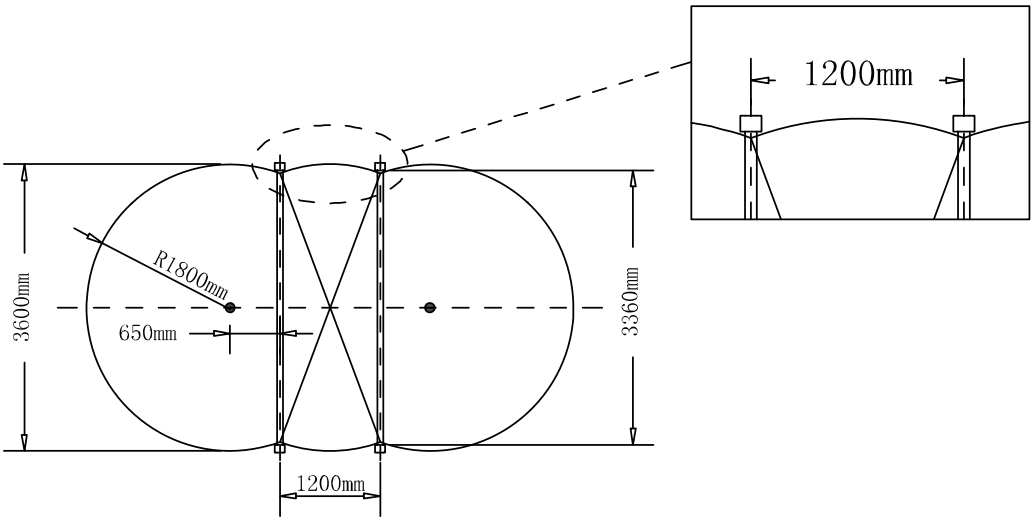


Diagram 12

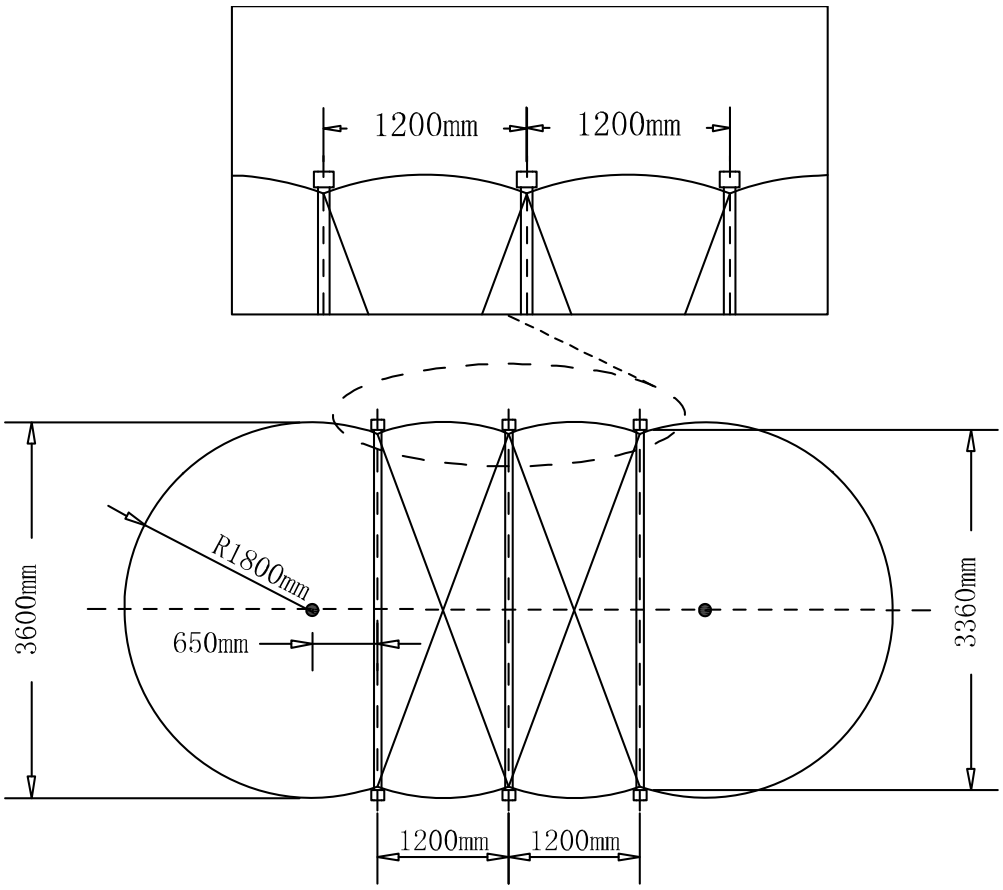


Diagram 13

WHITE POOL 910 - 8011014

Place the 1st assembled frame upright across the width of the pool at a point 3070 mm from the end of the cleared area.
Place the 2nd and the remaining assembled frames at a point 1480 mm from the center line of the adjacent assembled frame (see diagram 14).
Note: 1480 mm measurements are taken from the center of the L supports.

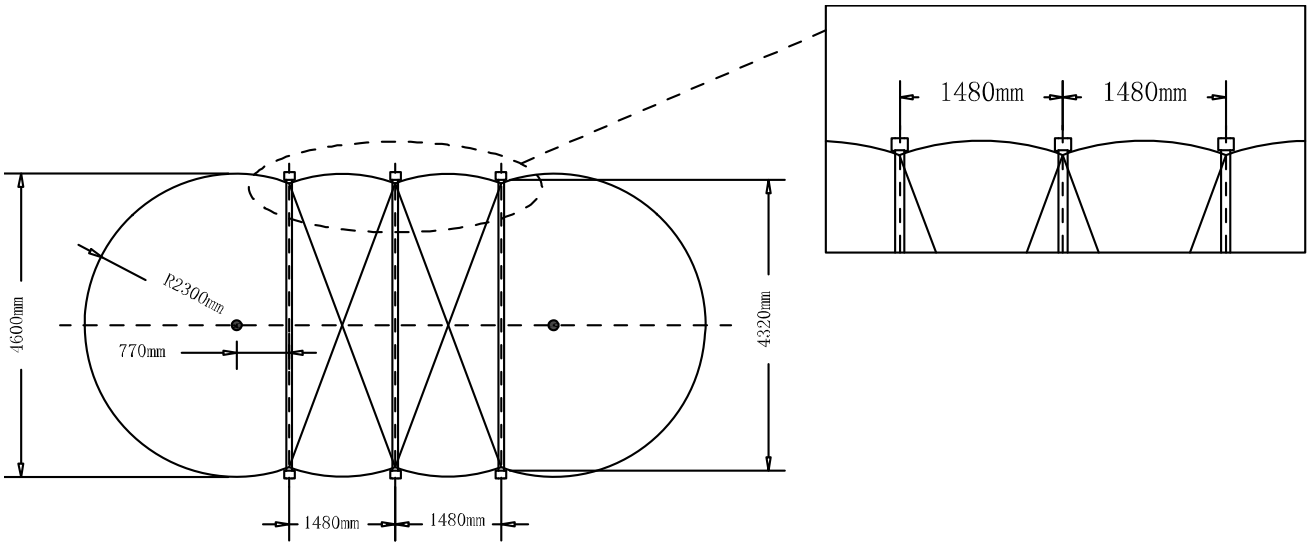


Diagram 14

To check the alignment of the assembled frames, position string line along the back of the assembled frames (the back of the L support) about 200 mm above the ground between two steel pegs, position A and B as shown in diagram 15. If the L Supports are not correctly aligned, they need to be tapped back or forward until the back of each L Support is correctly aligned with the string line.

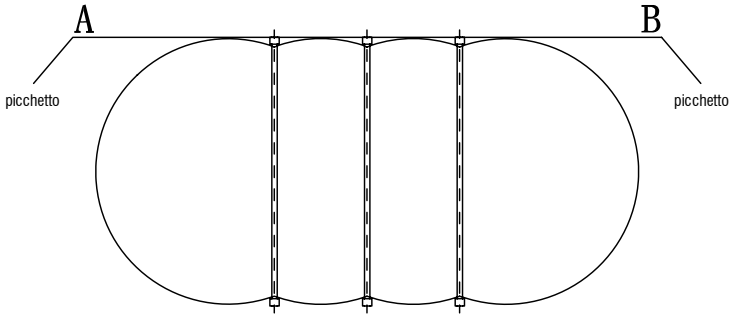


Diagram 15

Once the steps have been completed you need to check the diagonal measurements of the pool frame. Measure the two intersecting axes to ensure that the two straight sections are parallel. The measurements of the points A to D and B to C must be equal (see diagram 16).

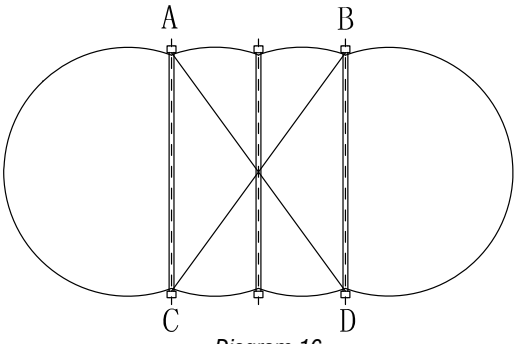
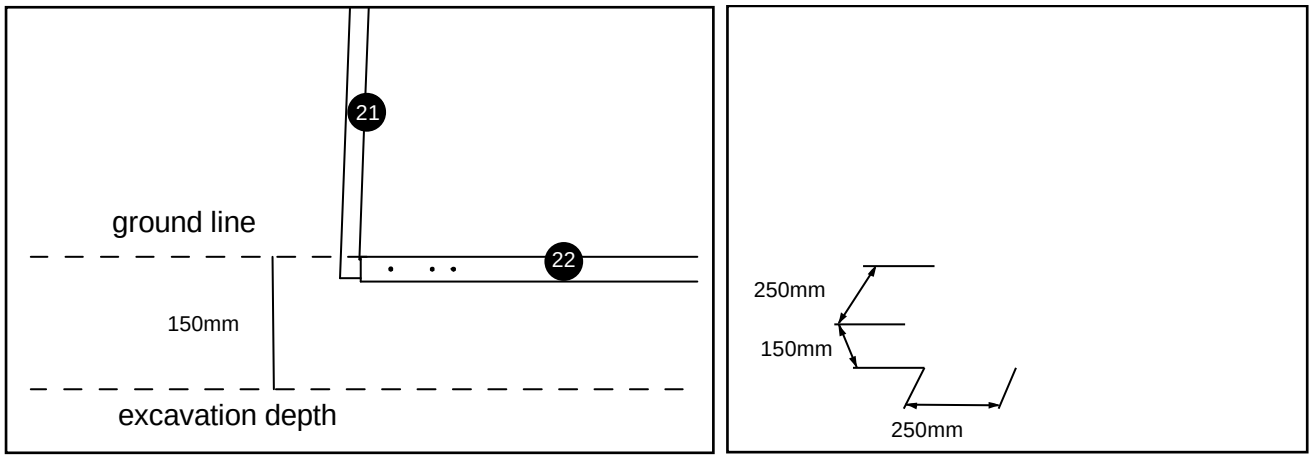


Diagram 16

When all the assembled frames are in the correct position, spray paint a line on either side of each assembled frame across the pool. This is to mark out the areas to be excavated. When these areas have been marked out, the assembled frames can be removed from the site.
The marked areas should be excavated to a depth of 150 x 150 mm wide across the pool from one side to the other with a length 250 mm x depth 150 mm excavation at each end for the positioning of the pre-cast concrete blocks.



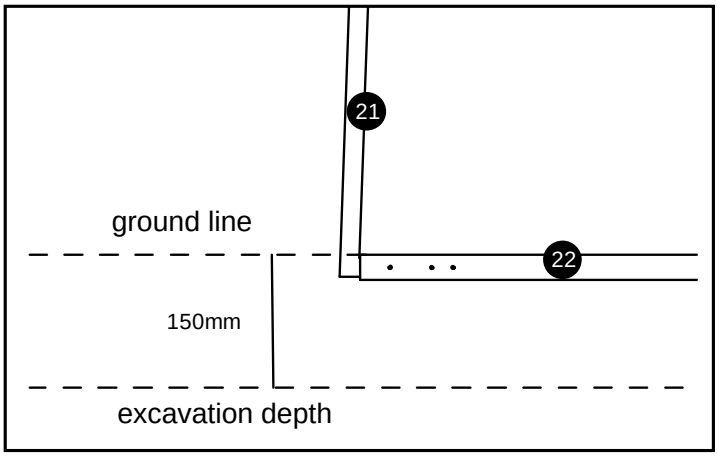
Note:

- If using cement mix instead of concrete blocks, the cement mix is put in place after the assembled frames have been positioned and leveled.
- Concrete pads: the use of concrete blocks or concrete mix at each end of the assembled frame is critical as it distributes the load carried by the frames evenly into the soil below. Not using concrete pads will result in the frame sinking into the ground and disturbing the level of your pool.
- **Do not use house bricks or Besser blocks.**
- Backfill all excavated area with 8 to 1 sand and cement mix.
- Top of the horizontal section of L supports and ground should be level.

Note: if using cement mix instead of concrete blocks the cement mix is put in place after the assembled frames have been positioned and leveled.

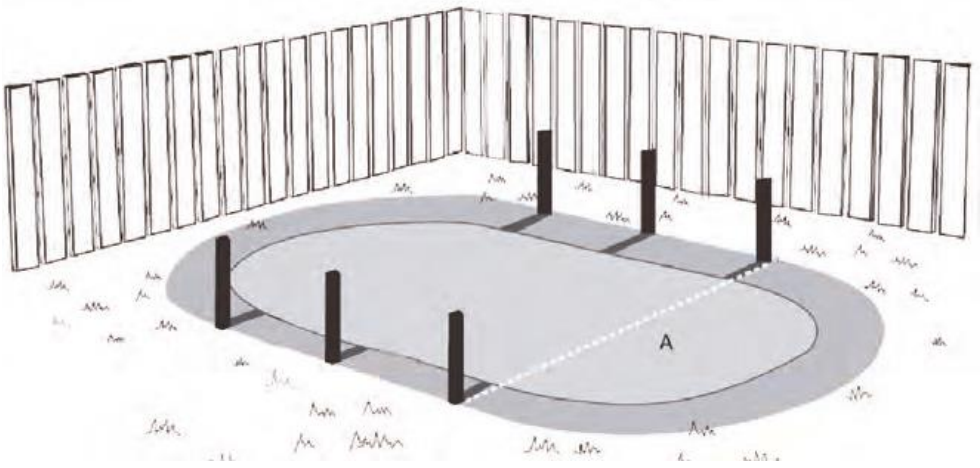
V. Installing assembled frames

The assembled frames can now be positioned back in to the excavated areas. Using the existing string line, ensure the L supports side of the pool are perfectly aligned, if not, make the necessary adjustments. Care must be taken to ensure the measure between the centers. It is advisable to hold the posts into position using steel pegs. Frames installed in such a way that no horizontal part of the L support is situated higher that the surrounding ground level.
The levelling of the assembled frame is an important exercise that must be done precisely and repeatedly until correct.

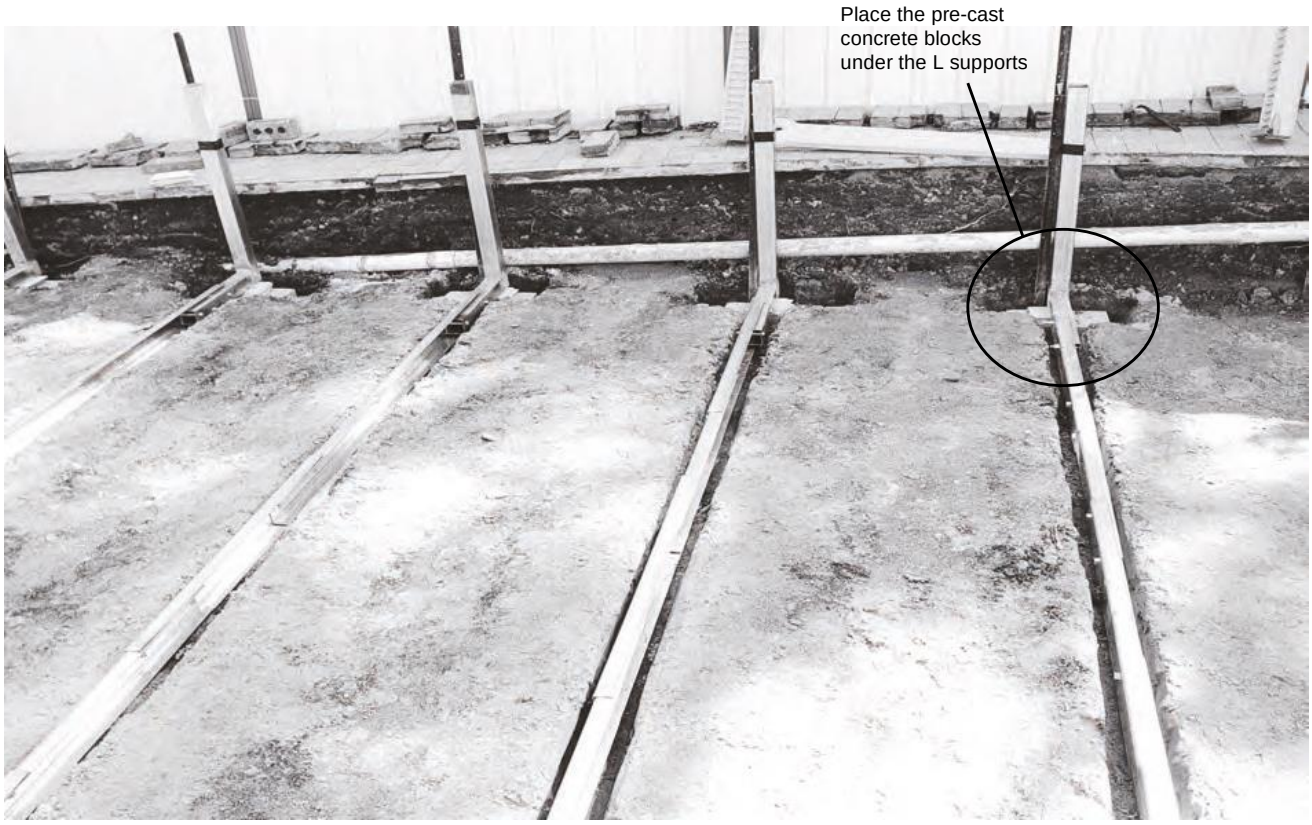


When all the assembled frames have been positioned and levelled you need to recheck and ensure that the back of the L supports are all in line and the diagonal measurements of the assembled frames are all correct and equal.
Before proceeding check the measurements for the width of the pool between the inside of the assembled frames should be as per table below. The width measurements A can have a variance of + or – 5mm.
If all of the measurements and levels are correct you can now proceed with the backfill of the channels across the pool and cement mix at the end of the channels.
When positioning the L Supports for your pool, it is important that the supports are supported and retained in a perpendicular position while the excavation is being packed.
A simple and effective way to achieve this is to drive a star picket into the ground at the rear of the L support, then temporarily attach the L support to the star picket with some duct tape. This will hold the post vertical while the cement and backfill is put into place.

Note: top of the horizontal L supports and ground should be level.



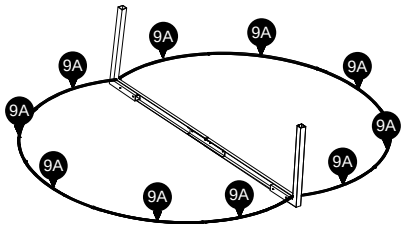
Model Size	White pool 490 8011015	White pool 610 8011012	White pool 730 8011013	White pool 910 8011014
Distance A	3440mm	3440mm	3440mm	4390mm


Place the pre-cast
concrete blocks
under the L supports

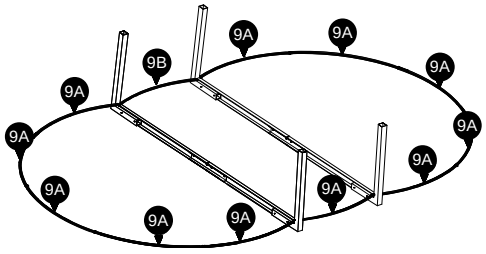
VI. Assembling the pool base rails

Cover the ground with a levelled layer of sand and lay the ground sheet (3).
Unpack all of the components and check the parts against the checklist. Slide the bottom rail into the metal piece.
Important: leave about 1 cm between the 2 ends of the bottom rail.
Repeat this process for all bottom rails (see diagram 17).

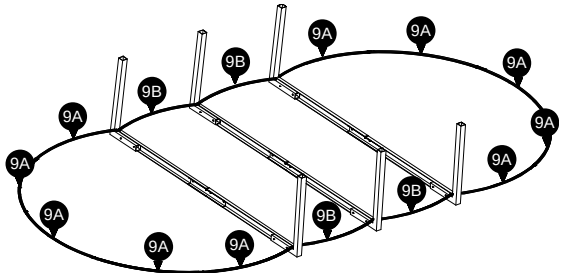
Item No.	Description	Pool dimension (mm)
8011015	White Pool 490	L4900 x W3600 x H1300



Item No.	Description	Pool dimension (mm)
8011012	White Pool 610	L6100 x W3600 x H1300



Item No.	Description	Pool dimension (mm)
8011013	White Pool 730	L7300 x W3600 x H1300



Item No.	Description	Pool dimension (mm)
8011014	White Pool 910	L9100 x W4600 x H1300

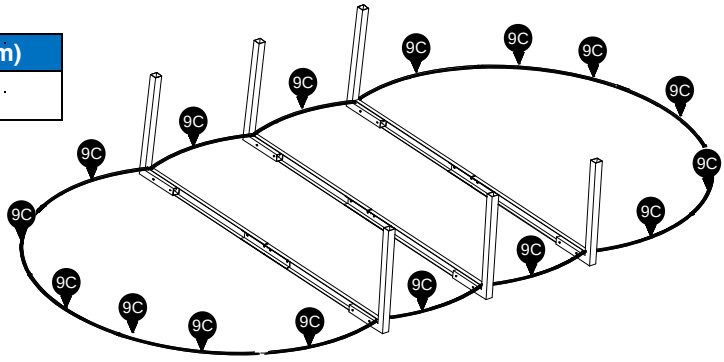


Diagram 17

VII. Fine adjustment of the bottom rails diameter

When all the rails are slided into the metal pieces, it should form a complete circle and 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 bottom rails (see diagram 18).

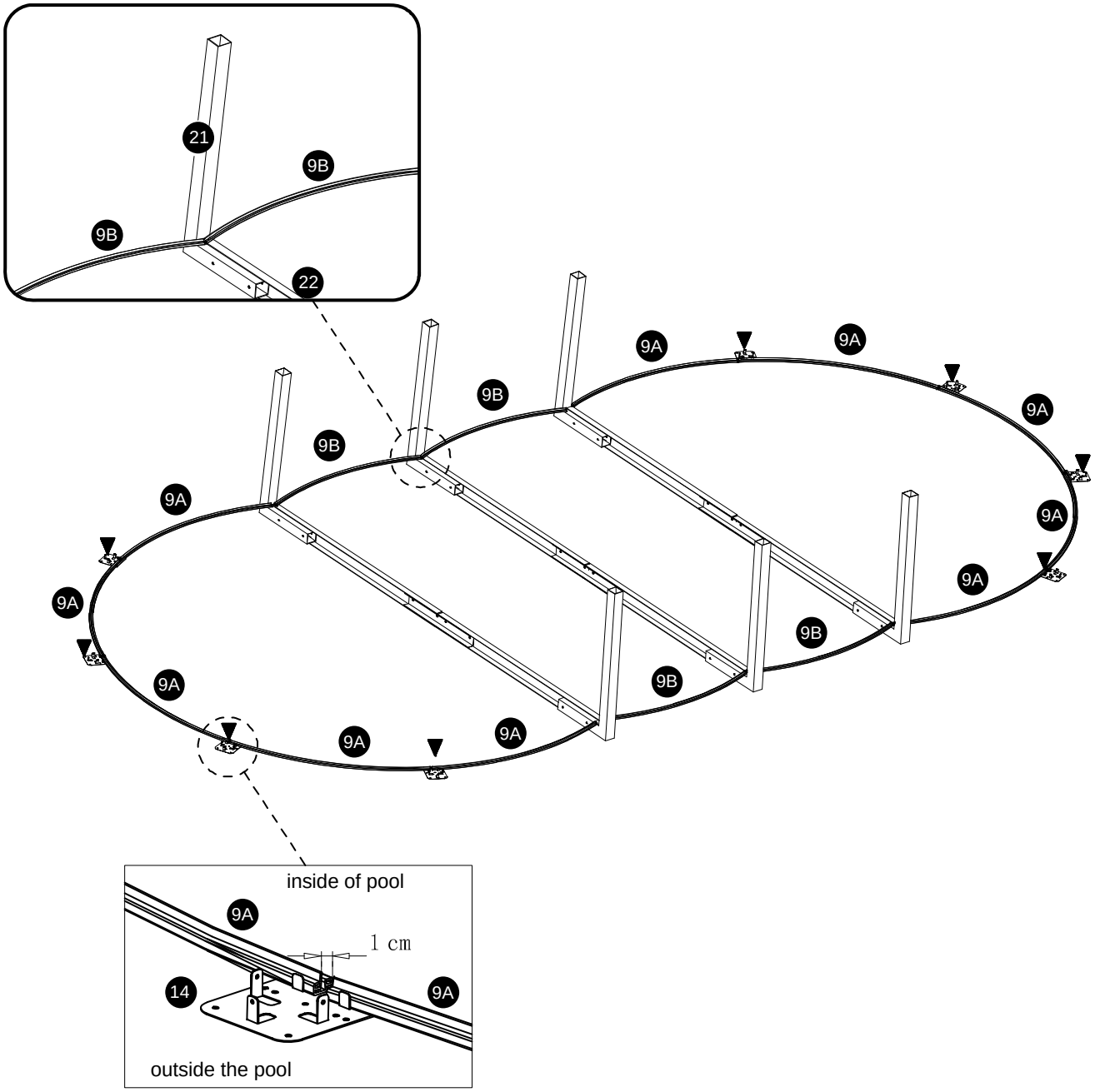


Diagram 18

VIII. Fixing the pool wall

Put the pool wall on a ground cloth, cardboard or a piece of ply wood (see diagram 19). This is to protect the levelled ground while installation of pool wall is taking place. Make sure the square window (for skimmer) is on the upward side.

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

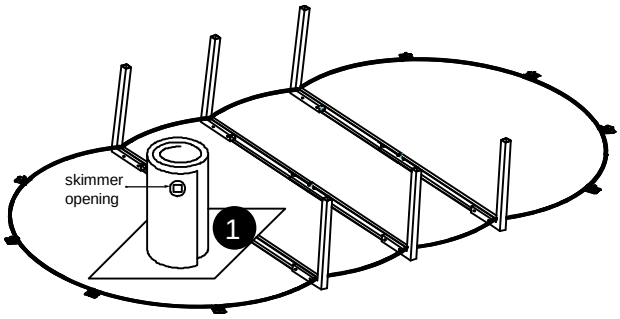


Diagram 19

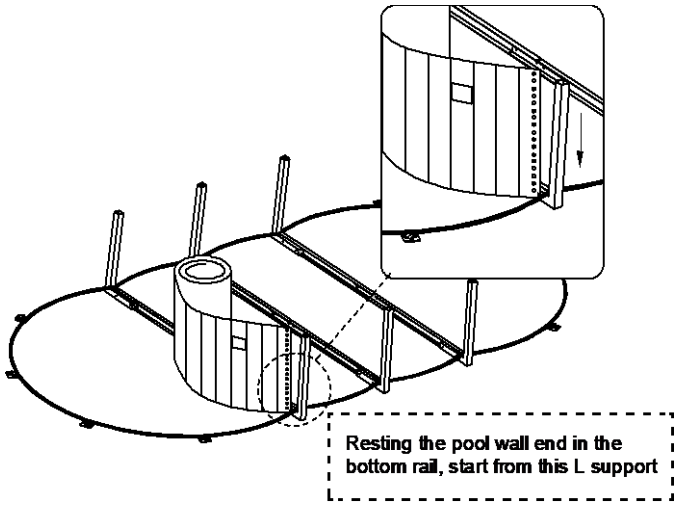


Diagram 20

You should decide where the skimmer and filtration system should 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 of the filtration system. The pool wall end should be resting in the bottom rail (see diagram 20). Make sure that this location is not in a windward position. Square window should be in the upward position.

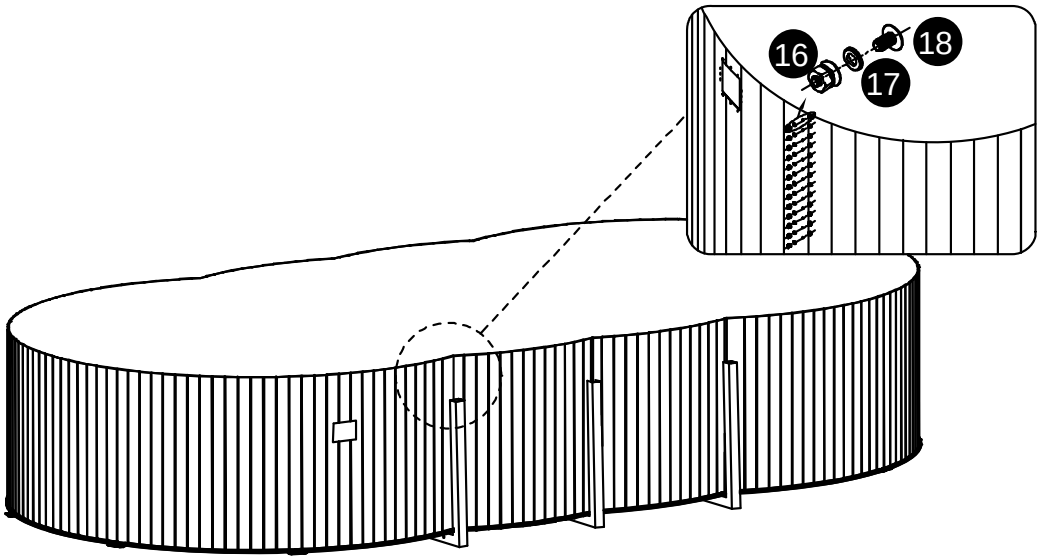
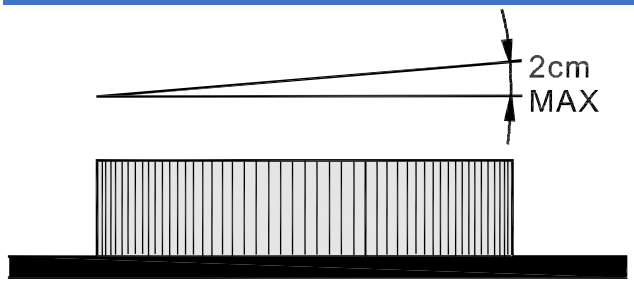


Diagram 21

Then uncoil the whole pool wall onto the ground rail. Join the 2 ends of the pool wall together. Line up the screw holes. If you could not line up the holes, then adjust the gap distance of the 2 ends of bottom rails (see diagram 21).

IX. Measuring the pool wall

WARNING



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

Diagram 22

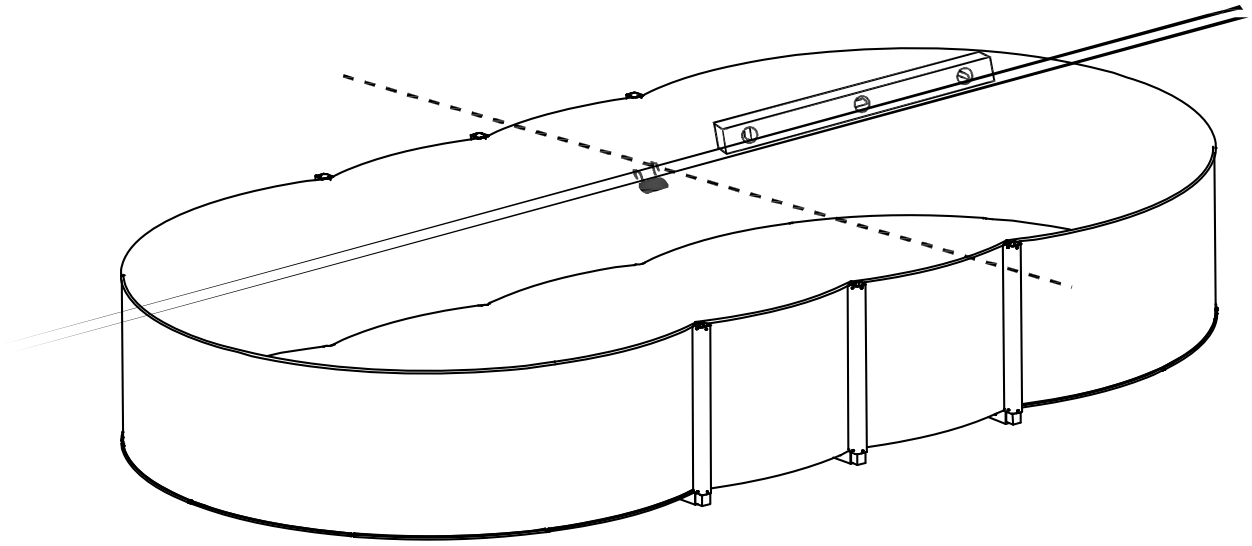


Diagram 23

Check the pool wall level by placing a length of timber beam or similar across the diameter of the pool wall and placing the builders level on the top of the timber beam (see diagram 22). If the deviation is more than 2 cm (see diagram 23) then the ground site must be levelled again. Check also if the pool is oval and measure the diameter across a few spots to make sure the differences of each diameter measured are within 2cm.

If the levels are not to specification then the area will have to be leveled again.

WARNING

Try not to manage any of the components when dissembling the pool wall to correct the level of the ground.

Once the measurements and levels are correct and all nuts and bolts are tightened, then cover the exposed screw heads with the self-adhesive tape (see diagram 24 and 25).

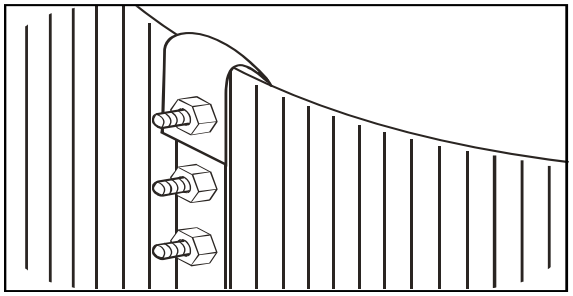


Diagram 24

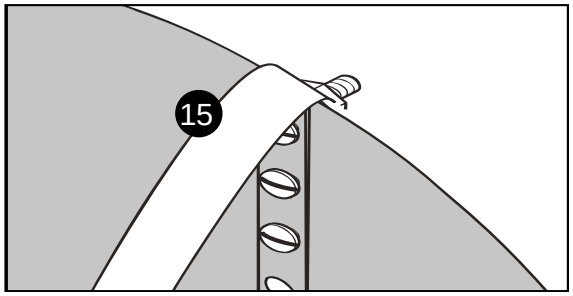


Diagram 2

X. Making a protective sand cushion at the foot of the inner pool

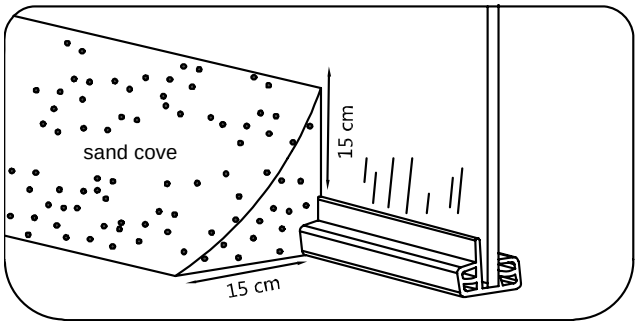


Diagram 26

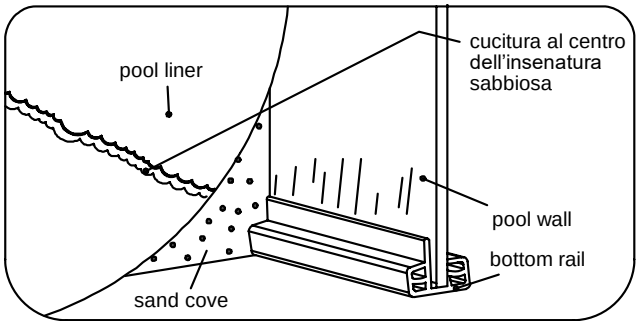


Diagram 27

To protect the liner against the rail and the pool wall, it is recommended to create a protective covering made of fine brick sand at the foot of the pool wall (see diagram 26 and 27). The size should be height 15 cm x weight 15 cm so that it completely seals the rail but doesn't distort the pool liner.

XI. Fitting the PVC pool liner

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

Put the liner at the center of the pool site inside the pool wall. Extend it evenly until the seam line reaches the base of the pool where the protective sand cover is. Smooth out all the wrinkles in the liner. Straighten the PVC liner and hold it perpendicular to the ground. Drape the pool liner over the pool wall.

There should be an overlap of 8 cm of the pool wall height (see diagram 28 and 29). Hold the overlap in place with clothes pegs.

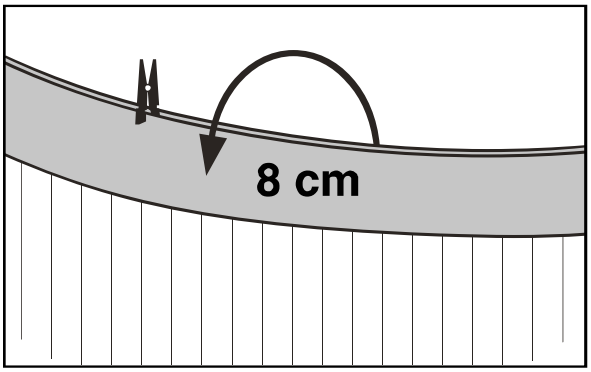


Diagram 28

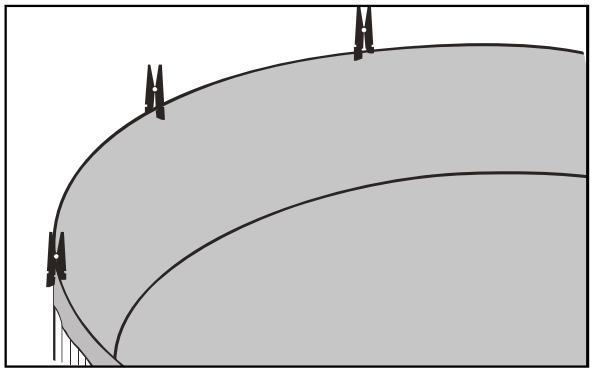


Diagram 29

Check if the pool liner is placed evenly around the perimeter (see diagram 30). Evenly fold the excessive length of the PVC if you find it a bit loose. Check if the overlap is uniform. If the pool liner is slightly short, then you will have to let it down and vice versa.

Fill the pool with 3 to 5 cm height of water to smooth out the liner against the pool wall (see diagram 31). Check to see if water is level, if not, something is wrong and you will have to dismantle the liner and pool wall to access and level the ground area.

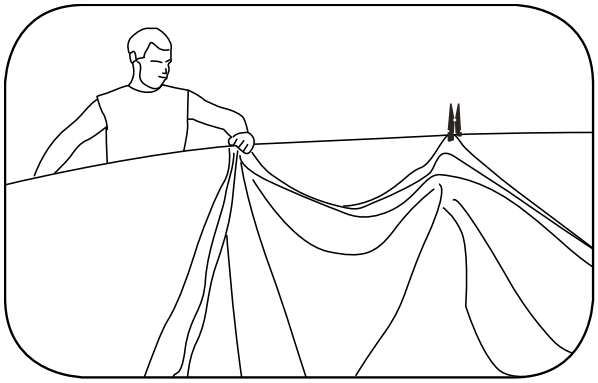


Diagram 30

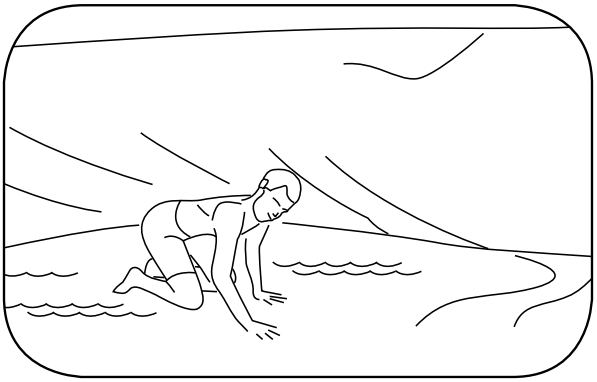


Diagram 31

Remove the pegs one at time whilst applying the fix rails (see diagram 32). Connect another fix rail, continue around the circle until all fix rails are all joined together. And finally apply the round rails to the fix rails.

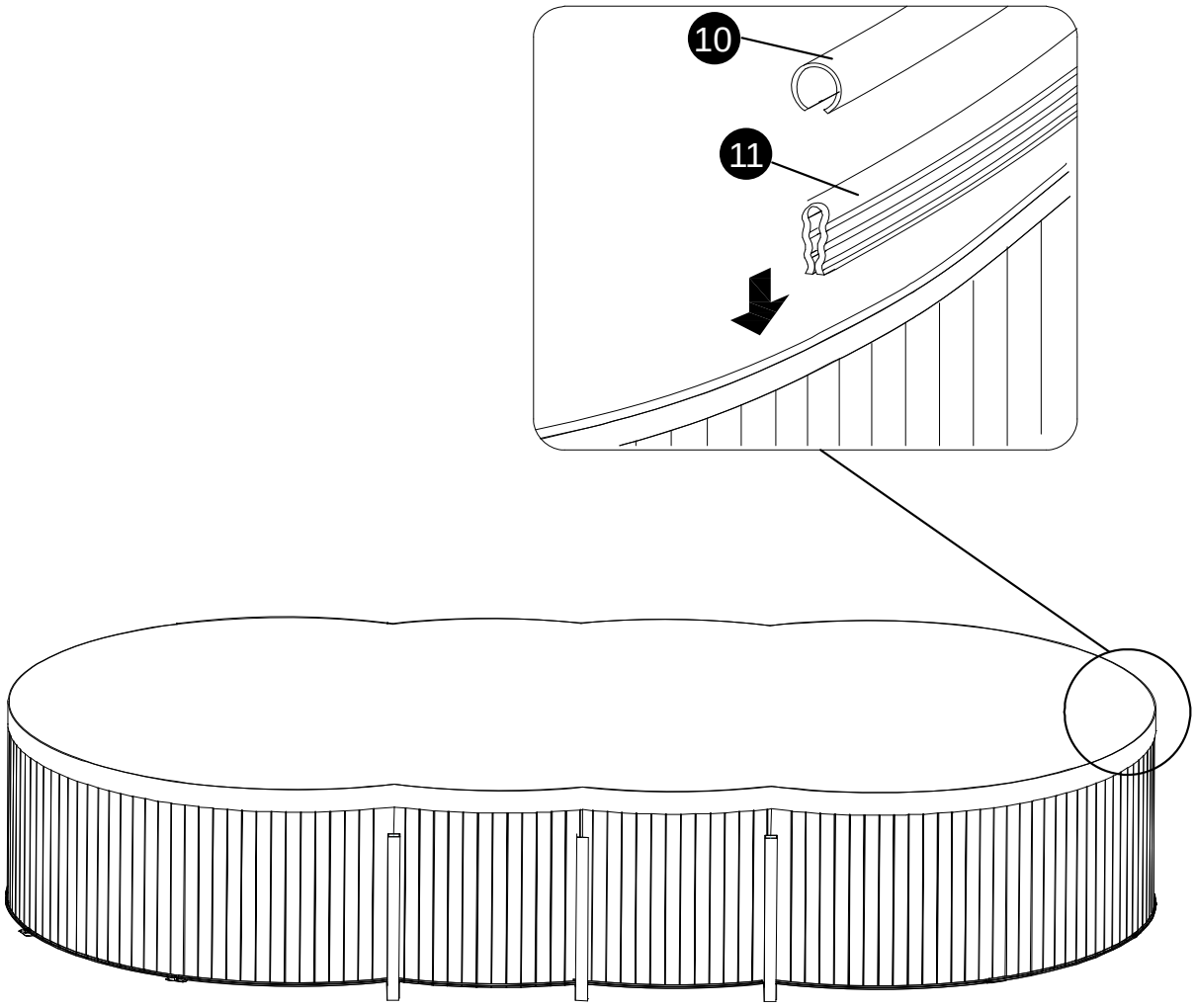
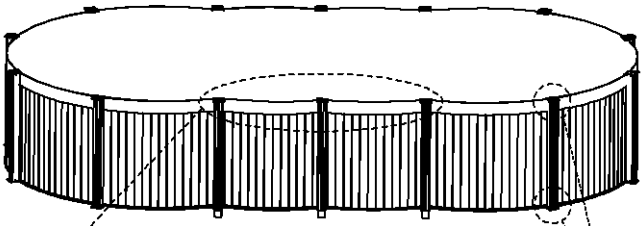


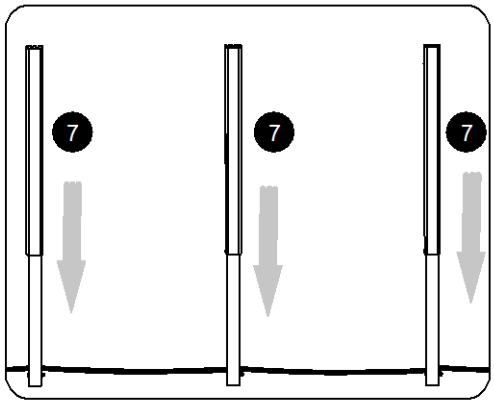
Diagram 32

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

XII. 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 join 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 screws provided.





slide the vertical support (7) over the L supports (21)

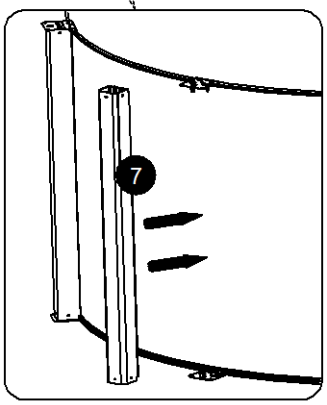
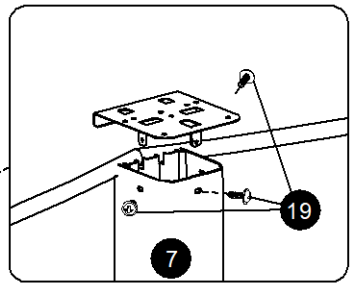
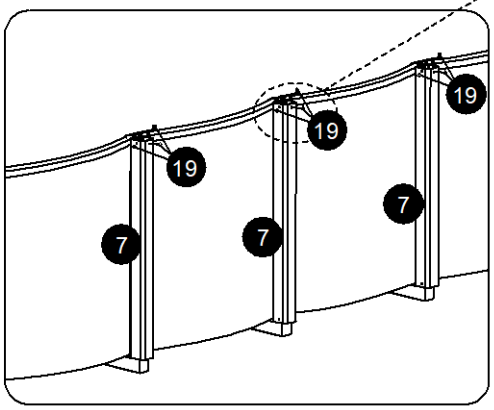


Diagram 33





Place a top/bottom metal piece (14) on the top end of the vertical support (7) so that each of the 3 tabs are inside the vertical support (7) and the top/bottom metal piece (14) sits flush on the end of the vertical support (7). Drive the bolts (19) into the sides and front of the vertical support (7) so that it passed through with the hole in the top/bottom metal piece (14) tabs. Repeat this process for the other two tabs in the top/bottom metal piece (14)

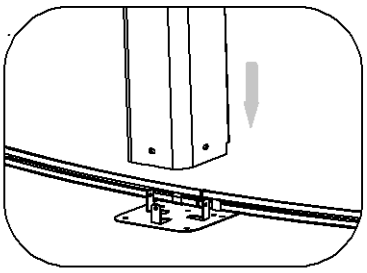


Diagram 34

Attach the rest vertical supports (7) to the bottom metal pieces (14) where two bottom rails are placed. Make sure each of the 3 tabs are inside the vertical supports (7). Drive the bolts (19) into the sides and front of the vertical supports (7) so that it passed through with the hole in the top/bottom metal piece (14) tabs. Repeat this process for the other two tabs in the top/bottom metal piece (14) see diagram 33 and 34. Hook the rest top/bottom metal pieces (14) on the top of the vertical supports (7), using the same procedure to fix top/bottom metal pieces (14) to the top end of the Vertical supports (7), see diagram 35.

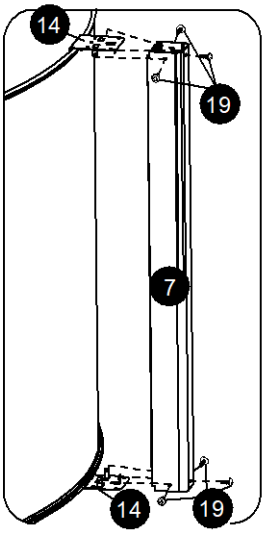


Diagram 35

Place a resin top platform over a top metal piece and attach 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 36). Check the alignment but do not tighten.

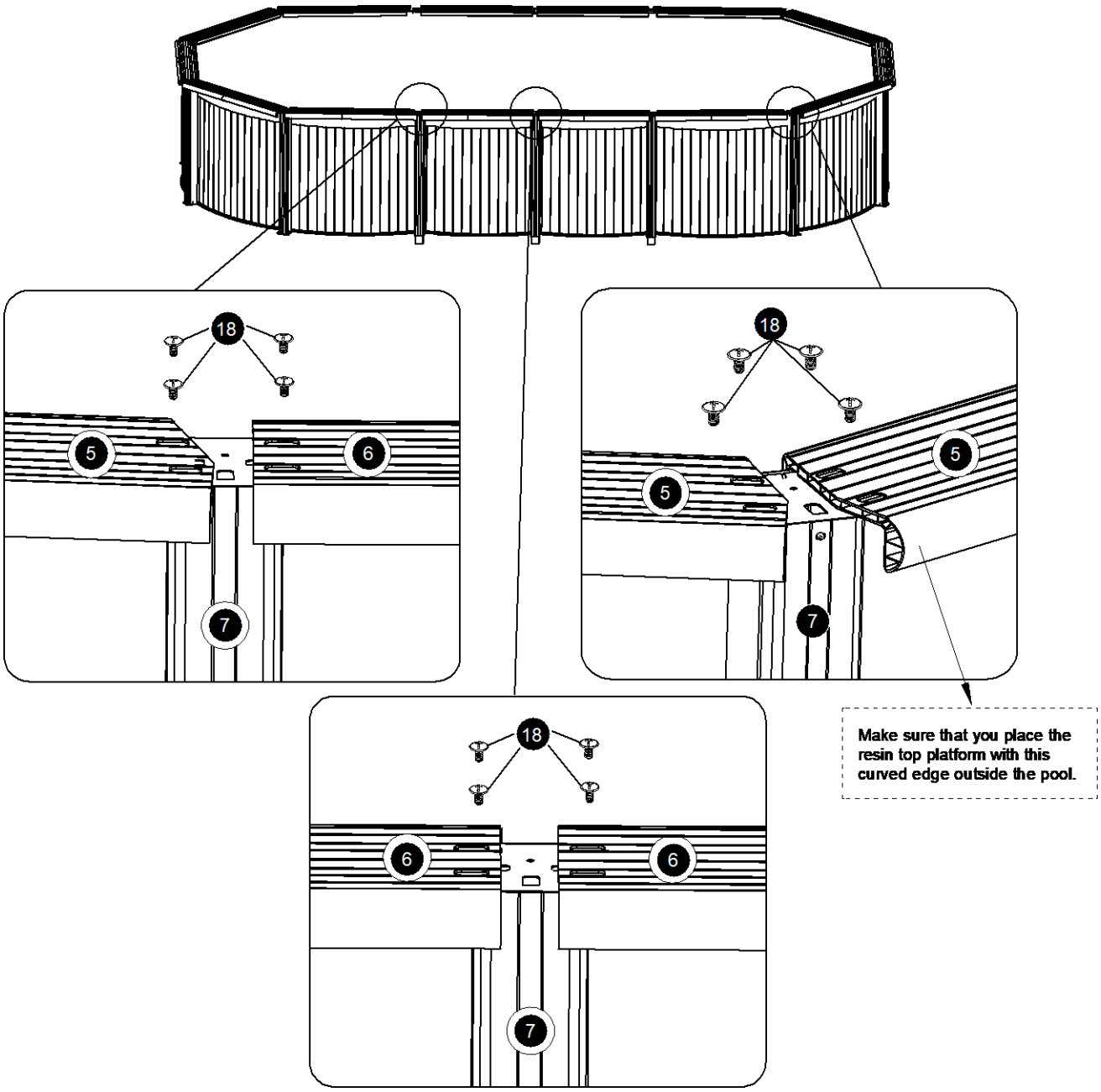


Diagram 36

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

XIII. 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 platforms and gently pull to fasten the cover to the outside edge. Fix with the screws provided (see diagram 27, 38, 39, 40, 41).

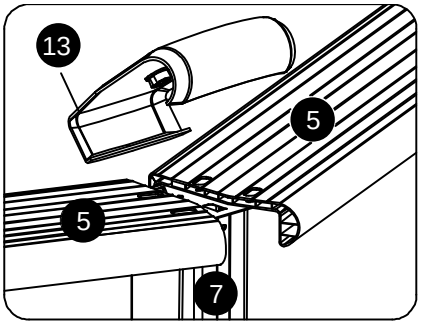


Diagram 37

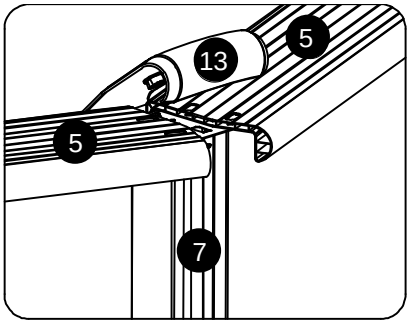


Diagram 38

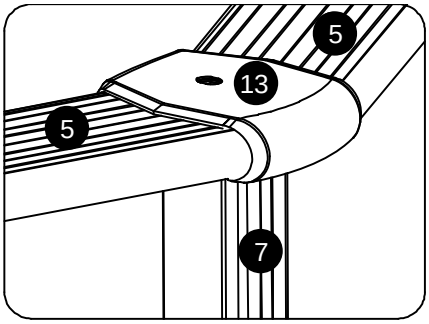


Diagram 39

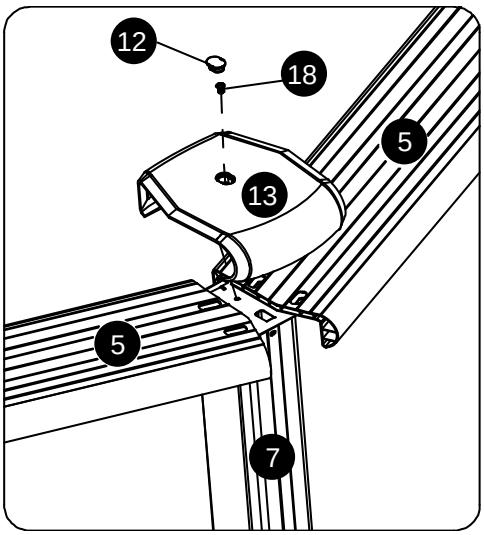


Diagram 40

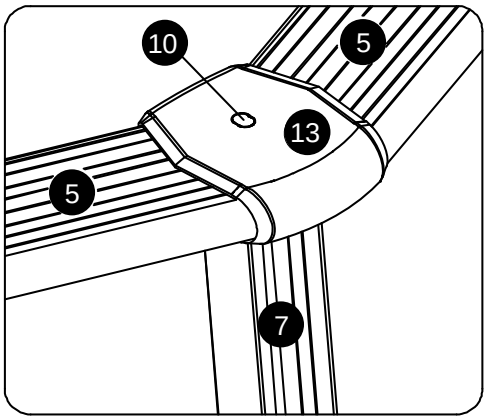


Diagram 41

XIV. Check all connections and joins

Once completed, check all connections and tighten loose screws and bolts but do not over tighten. Replace damaged components and repair all tears, rips and holes with repair patch (see diagram 42).

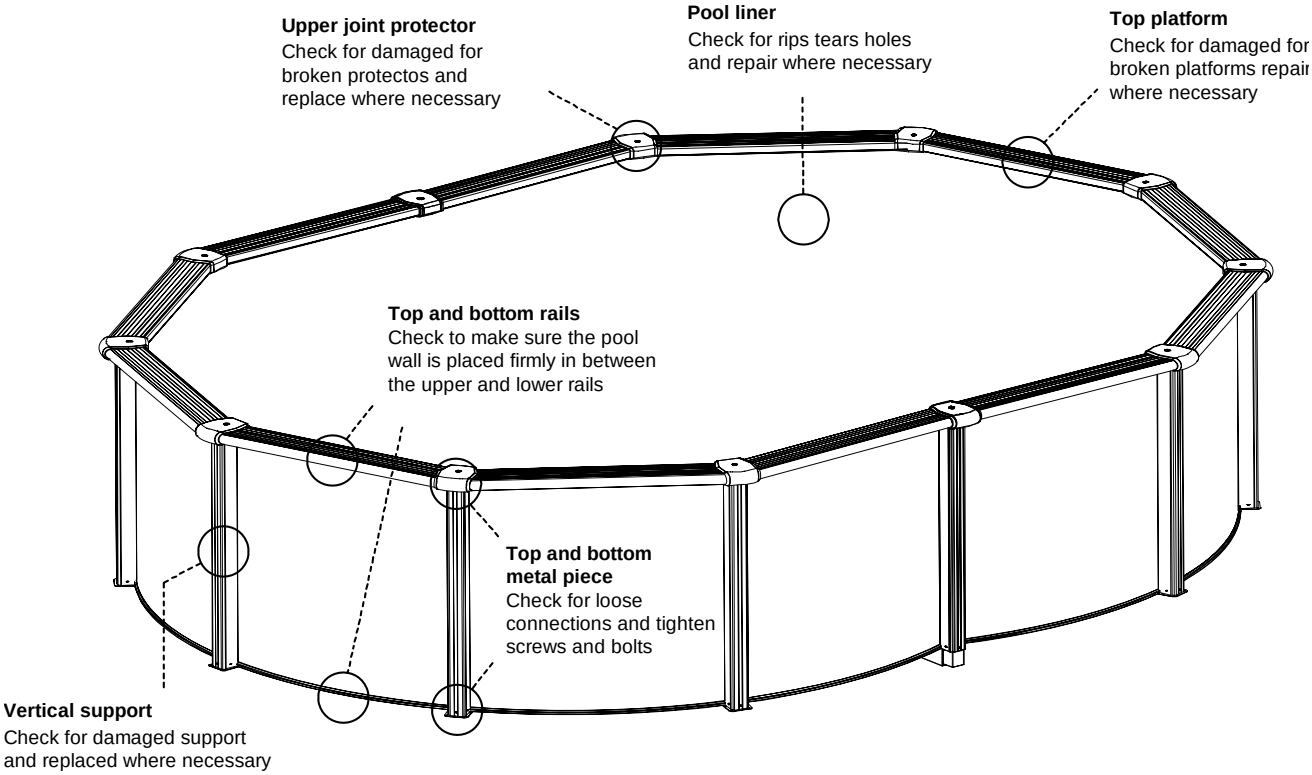


Diagram 42

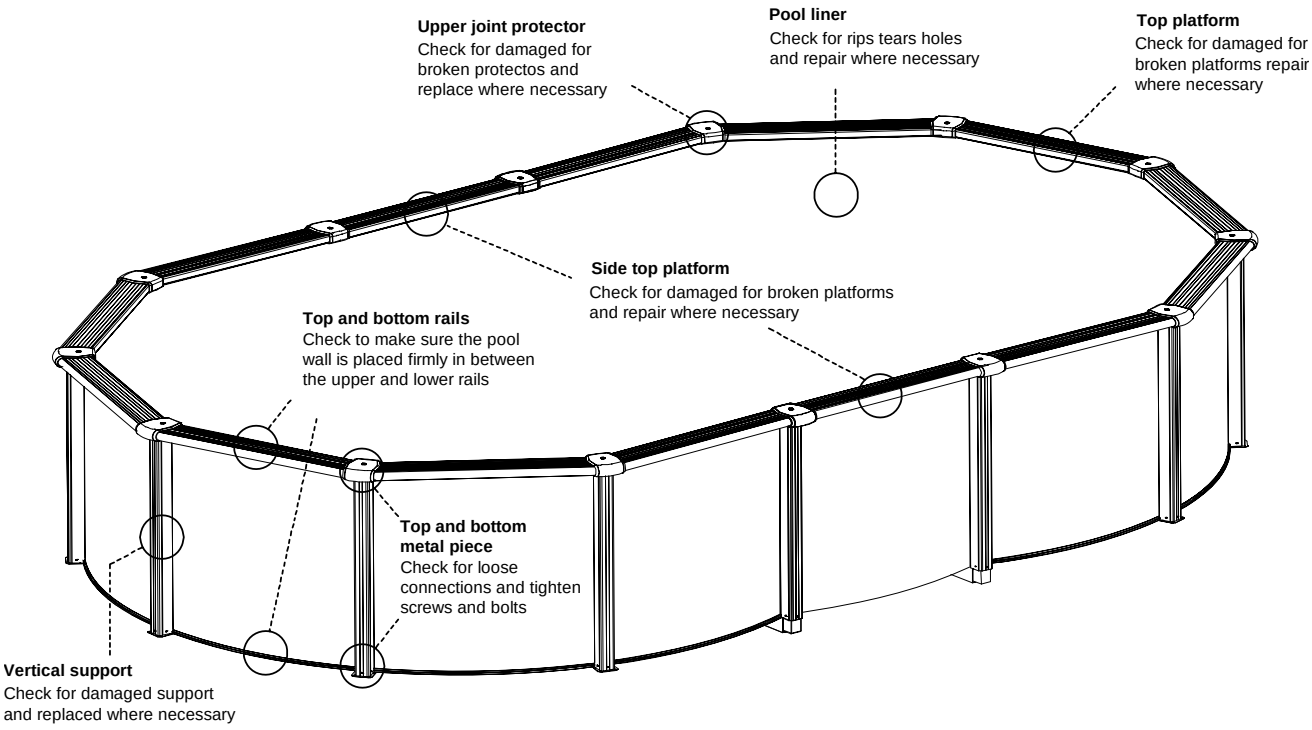


Diagram 42

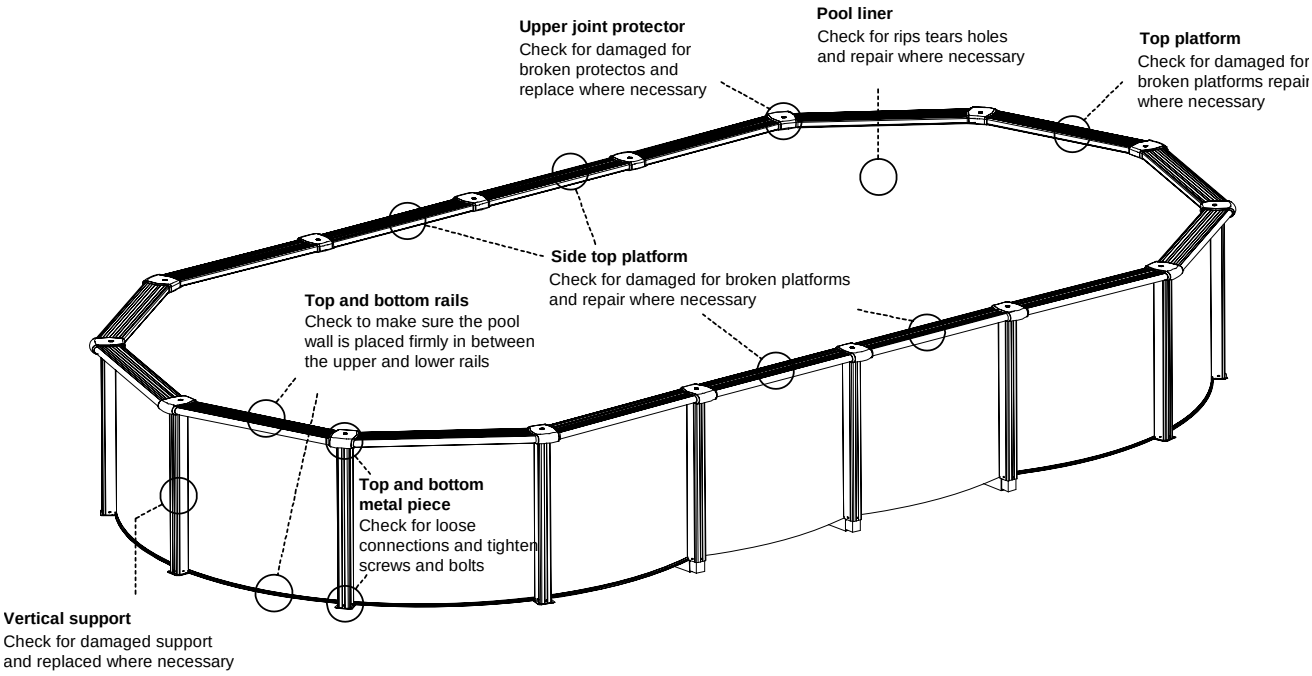


Diagram 42

XV. Fixing the leaf skimmer

To prevent rust, all edges of cut out have to be covered by vinyl tape or rusting paint. Begin the installation of the through the wall skimmer. Follow separate skimmer installations.

PHASE 3 – 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 or a minimum of 15cm (6”) from the top of the pool wall (see diagram 43) to make sure water is entering the skimmer box opening.

WARNING

To avoid collapse, never leave the pool without water in it.

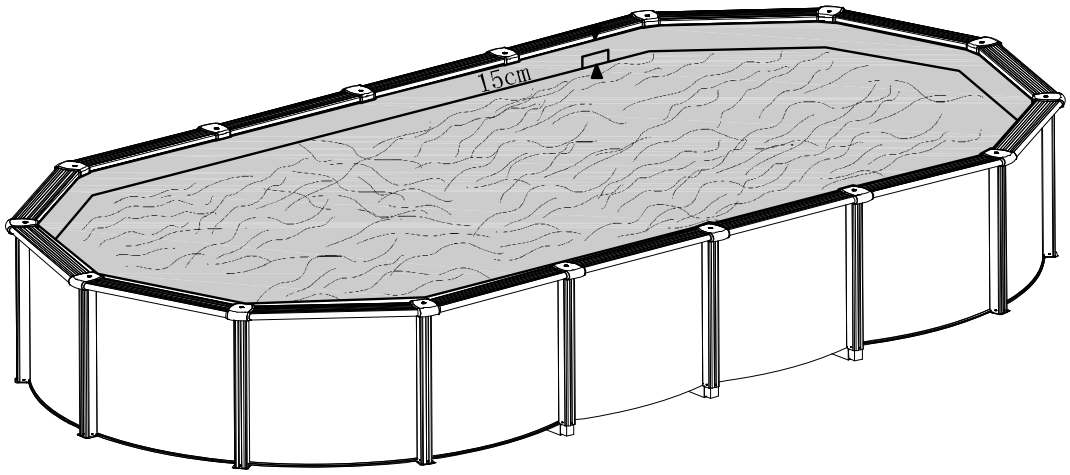


Diagram 43

WARNING

The filter pump must be switched off if there are swimmers inside the pool! Follow assembly instructions in the sand filter pump combo manual.

PHASE 4 – Pool maintenance

1. Always keep your pool clean and apply the correct pool chemicals. Unsanitary water is a serious health
2. Maintain pool pH level between 7.2 to 7.6
3. Ask your dealers advice first if you want to modify your filtration system
4. Clean the PVC liner regularly with non-abrasive brushes or venturi vacuum cleaner
5. Turn your filtration system on at least one 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

Note

- The information contained in this document may vary at the discretion of the editor, without prior notice, together with the changes to the product in question in this document: it will be the customer's responsibility to check the persistent correspondence of the product to the information sheet when placing the order.
- Any technical diagrams reproduced in this document have a purely informative value and are not valid for regulatory purposes.

C.P.A. S.R.L.

SAND FILTER

Installation and maintenance manual

READ CAREFULLY THIS MANUAL AND RETAIN FOR LATER REFERENCE

Warning

Prior to assembling and using this product, carefully read and adhere to all caution and important notices located throughout this manual. Failure to comply with these instructions may damage the product or cause serious personal injury or death.

Due to the constant technical evolution of this product, we reserve the right to incorporate modifications to the product for its betterment.

Always read the instructions before using the equipment and before proceeding with installation and assembly and disassembly operations. Retain the instructions.

This equipment is not intended for use by persons (children under the age of 8 inclusive) with reduced physical, mental and sensory abilities or lack of adequate experience and knowledge, unless they are supervised and instructed in safe use of the equipment and whether the associated risks have been understood.

Introduction

You have just bought a technical product whose manipulation is simple without complications if you take the following precautions. So please read all these instructions carefully.

For the monobloc to function, it needs a skimmer (a device to vacuum the pool water surface). It can be a skimmer built into the steel wall, or a raised skimmer fixed to the steel wall.

To order replacement parts, please contact your supplier indicating the type and reference number with the purchase date.

Safety details for the electrical installation

1. The electrical installation must be carried out by an approved electrician. An automatic differential switch (30mA) must protect the electrical supply.
   In addition, the connections must conform to the directive VDE.
1. No reclamation will be accepted for the consequences resulting from an incorrect installation or start-up, or for non-compliance with the instructions, the electrical installation is subject to.
2. The electrical supply cable must not be buried.
3. Make sure that the electrical supply cable is not damaged (for example by a lawnmower). Every damaged supply cable must be substituted straight away.
4. Keep children away from all electrical equipment. Never allow children to operate this equipment. Parents are responsible for their children.
5. Do not operate the system while the pool is in use.

Determining the position of the monobloc

Determine the place for the monobloc between the skimmer and the pump inlet with a minimum distance of 3,5 m between the pool wall and the monobloc. Cut the area of grass (according to the size of the monobloc) and level the area with a spirit level. We recommend placing the monobloc on concrete slabs or similar. The monobloc must in no way be placed in a low place or directly on the earth (risk of flooding or overheating or the monobloc motor).

If the pool is buried, totally or partially, the monobloc must be installed in a filtration pit beside the pool.

When the monobloc is installed in a filtration pit, it is necessary to assure there is no danger of flooding.

It is advisable to have a base of small stones in the base of the pit to assure a good filtration of rainwater and the evacuation of any water in the area. It is also advisable to install a submergible pump with a float switch in case of flooding.

Check that the installation is in no way closed hermetically, this could damage the monobloc pump due to the formation of water condensation. The size of the pit must be big enough to allow maintenance or repair of the monobloc.

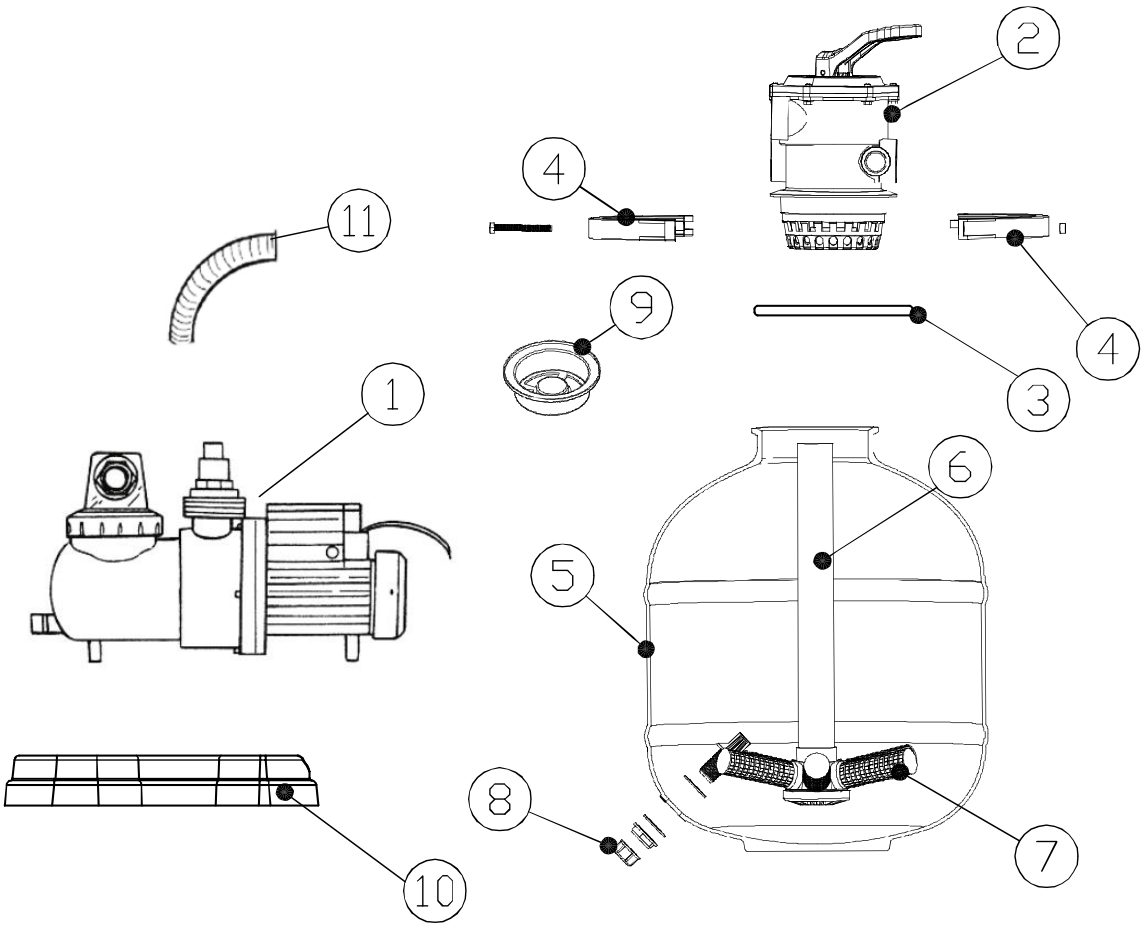
The necessary spare parts like the flexible tubes, the metal clips or the filter sand (not included) can be found in the usual service point.

Filter/pump installation

Before installing the filter pump unit, identify the position in which it is to be installed, as once it has been filled up with sand, the filter is hard to move due to its weight.

The filter/plug is made up of the following parts (drawing 1):

1. a pump
2. a valve
3. a gasket
4. a closing flange
5. a filter tank
6. a tube with a manifold
7. small sand guard filters
8. a drain cock
9. a spigot
10. a supporting base
11. a tube - hosepipe



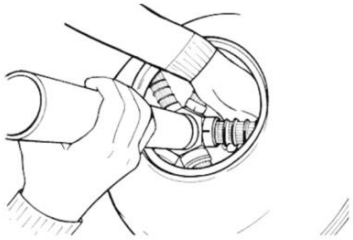
Drawing 1

Filter parts installation

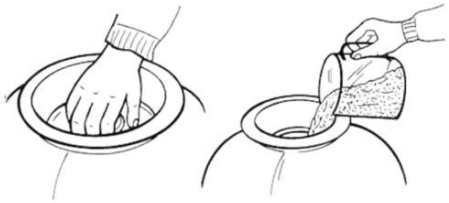
Carefully remove all components from the package and check that nothing is damaged. If the device is damaged, immediately contact the retailer where the purchase was made.

1. Insert the tube with the manifold into the container (drawing 2) and screw the small sand guard filters to the manifold (drawing 3).
2. Place the completed manifold on the foundation and fill halfway with water to stabilize it. Make sure that the star-shaped gauze is well centralized in the bottom of the filter and that the purge screw is tight.
3. Place the spigot on the mouth of the container, making sure the tube is centered on the manifold.
4. Fill the filter with sand to 3/4 in height (ideal sand grain size: 0,7 - 1,2 mm; quantity: according to the filter size) (drawing 4).
5. Now, put the upper part of the filter or valve as well as the joint on the upper edge of the filter. The connection between the upper part of the filter or valve is made with the collar. The collar is secured with a screw and a nut (see drawings 5 and 6).
   Finally, put the pieces to connect the filter to the valve. Make the joints watertight with PTFE tape.

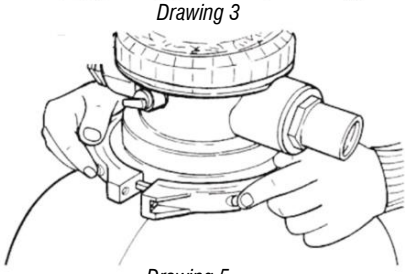
Drawing 2



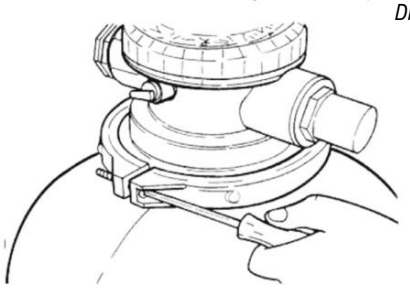
Drawing 3



Drawing 4



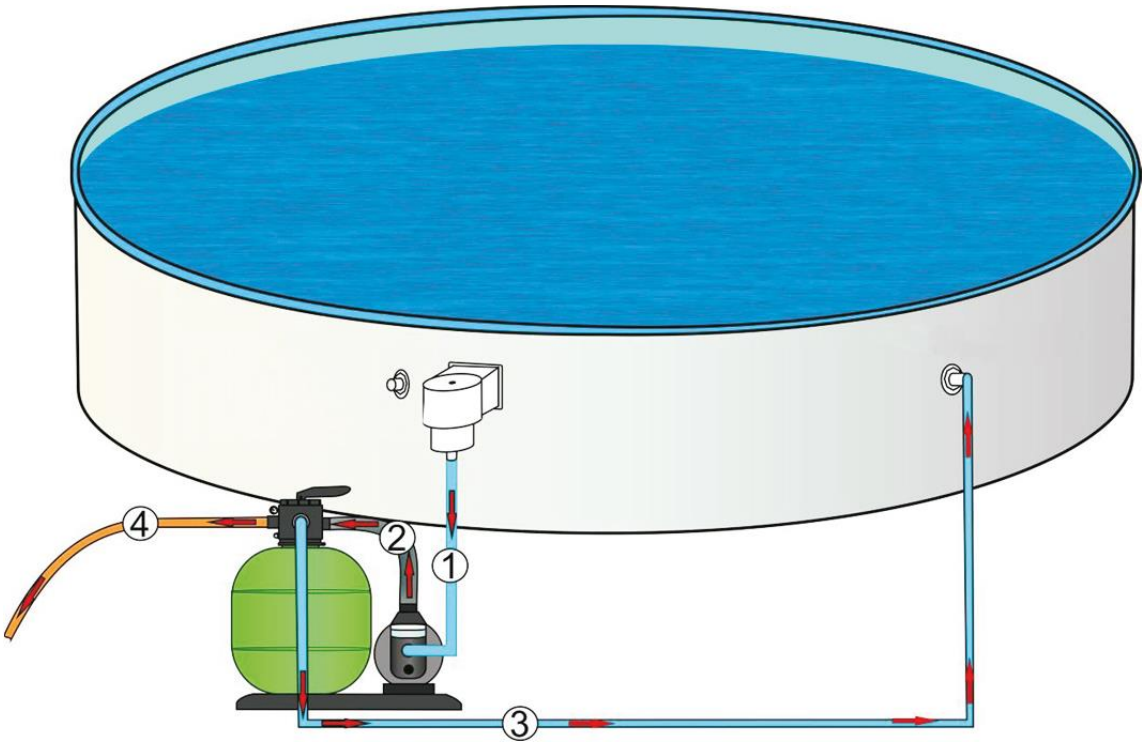
Drawing 5



Drawing 6

Connection of hosepipes to the pump

1. Skimmer circuit: connecting the skimmer to the connection in front of the pump.
2. Vacuum hosepipe: joining the upper connection of the pump to the connection designated 'PUMP' on the valve.
3. Return hosepipe: joining the valve connector of the pool. Secure all the connections with metal clips.
4. Wastewater hosepipe: joining 'COUNTERWASHER' to the hosepipe or to the lawn. The connection is made with the hosepipe of the pool and specific metal clips.



Starting up the filter/pump

1. Before starting up the monobloc, make sure that it is situated outside the pool and at a lower level than the water level in the pool. The flexible connections must be well connected and fixed.
2. The pool must be full of water up to the mid height of the skimmer. The water must circulate to the pump.
3. Now purge the air from the monobloc. If some exists, open slightly the top of the pre-filter of the pump until the water enters the pre-filter.
4. Place the valve selector in position COUNTERWASH. Only this can the pump be started. Begin a cycle of COUNTERWASH of 2 to 3 minutes. Then, switch off the pump and put it in CLEAR position. The CLEAR cycle lasts +/- 30 seconds. Switch off the pump again and putt he selector valve in FILTRATION position. Evacuate the water from COUNTERWASH and CLEAR to the hosepipe or onto the lawn. We recommend doing 2 filtration cycles of 4 to 5 hours a day. In FILTRATION position the pool floor is also vacuumed. After the vacuuming of the pool floor or when the pressure increases (2 or 3 levels) on the gauge, it is necessary to do a CLEAR cycle.
5. After a COUNTERWASH, it is imperative to do a CLEAR cycle for about 30 seconds. This permits the sand to be deposited in the filter.
6. The EMPTY mode (only possible with the 6-way valve) also permits vacuuming the pool floor and so removes the impurities (e.g. algae). If not, they would be returned to the filter sand. During this cycle, the water from the bottom of the pool is vacuumed to the exterior. Afterwards, water must be added to restore the water level in the pool.

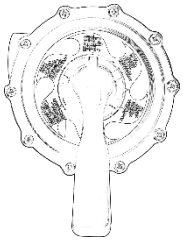
WARNING

The monobloc must not be used without water. The water ensures the cooling. The substitution guarantee does not apply in the case of use without water.

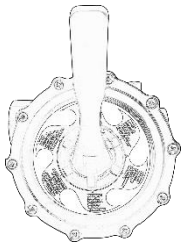
Before changing the position of the selector valve, STOP the filtration pump.

Multi-way control valve operation

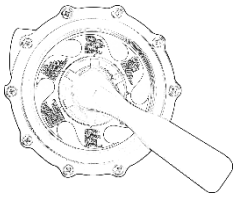
The control valve is used to select the 6 different filter functions: filter, rinse, recirculate, backwash, closed and open.



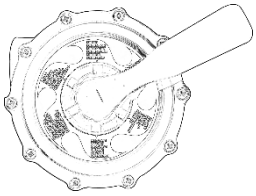
Filter. This function is used for filtering the pool water: it is the most used position. The water is pumped through the sand filter, where it is cleaned and sent back to the pool.



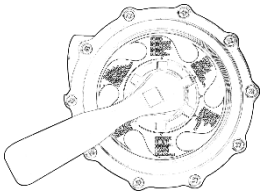
Backwash. This function is used to clean the sand bed: the water is pumped down through the intake manifold, pushed upwards through the sand bed and, finally, expelled outside the door D.



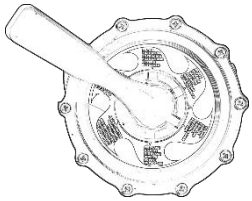
Rinse. This function is used for initial start-up, cleaning and leveling of the sand bed after backwashing - water is pumped down through the sand bed, pushed up through the intake manifold and ejected outside the exhaust port of the valve.



Recirculate. This function allows the circulation of the pool water without the use of the sand filter: it can be used when the filter is broken or for treatments of the pool water with specific chemicals for the treatment of the pool water.



Waste. This function allows the water to flow out of the pool without the use of the filter: the water is in fact pumped outside the drain door rather than sent back to the pool. For the pump to suck it is necessary to keep the basket and all the bottom drain piping full of water.
NOTE: before starting the drain, make sure that the valves of the skimmers and the sludge suction vents are closed.



Closed. This function stops the flow of water between the sand filter and the pool.

Cleaning the bottom of the pool

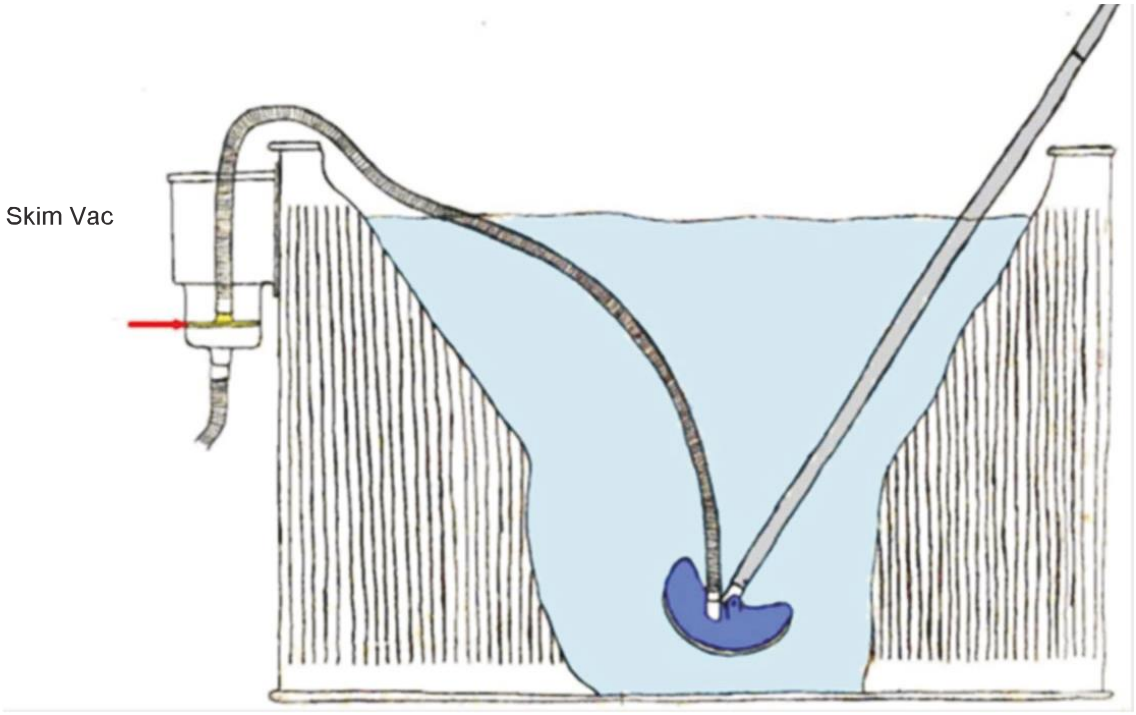
The vacuuming of the pool floor is carried out in FILTRATION position of the valve. The floor cleaner must be connected with the hosepipe to the skim vac of the skimmer. The pump must be switched off.

ATTENZIONE

The hosepipe of the floor cleaner must be completely full of water so the pump does not suck air, when this is done the pump can be started. If air enters the monobloc, stop the pump and purge the floor cleaner.

Start the pump again slowly (a start-up too quickly will raise the impurities) and brush the pool floor with the floor cleaner brush.

For monobloc without pre-filter, it is better to use a skimmer with a basket and gauze.



Monobloc's data

Model	Monobloc [mm]	[m³/h]	[CV]	[W]
White Pool 490	∅ 300	4	0,25	184
White Pool 610	∅ 400	6,5	0,5	368
White Pool 730	∅ 400	6,5	0,5	368
White Pool 910	∅ 500	10	0,75	552

Possible causes of a monobloc malfunction

Cause	Solution
Dirty sand	Carry out a Counterwash (wash the sand)
The pump sucks air (bubbles in the aspiration)	The hosepipe could be defective. Tighten the clips.
The water level of the skimmer is low	Check the level and raise it if necessary
The skimmer basket has moved	Clean the basket and replace it correctly
The basket of the pump pre-filter has moved	Clear the pre-filter basket and replace it
In case of finding problems not mentioned above, please consult your usual salesperson.	

Storing in winter

At the end of the summer season, disconnect the tubes; remove water from the filter by operating the tap. For the filter and the pump, you have to undo the purge screw. Open the filter and check the sand. Check the state of the sand in the monobloc (it must not be sticky or stuck together) and clean it. The monobloc placed in the open air must be protected against freezing during the winter.

Damage caused by freezing is not covered by the guarantee.

Maintenance suggestions

The visible impurities are eliminated by the monobloc. What the monobloc does not eliminate are the algae, bacteria and other microorganisms that cloud the water, affect the water purity and hygiene. To prevent their appearance and eliminate them, specific products exist for the water maintenance, with a correct dose do not cause any problems to the bathers guaranteeing a pool perfectly disinfected.

The filtration cycles (2 x 4/5 hours a day) and the regular counter washing of the filter (2 to 3 minutes) at least once a day as well as the use of the pool floor cleaner, are the necessary conditions for the good maintenance of your pool.

Ask your usual salesperson for advice.

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C.P.A. S.R.L.

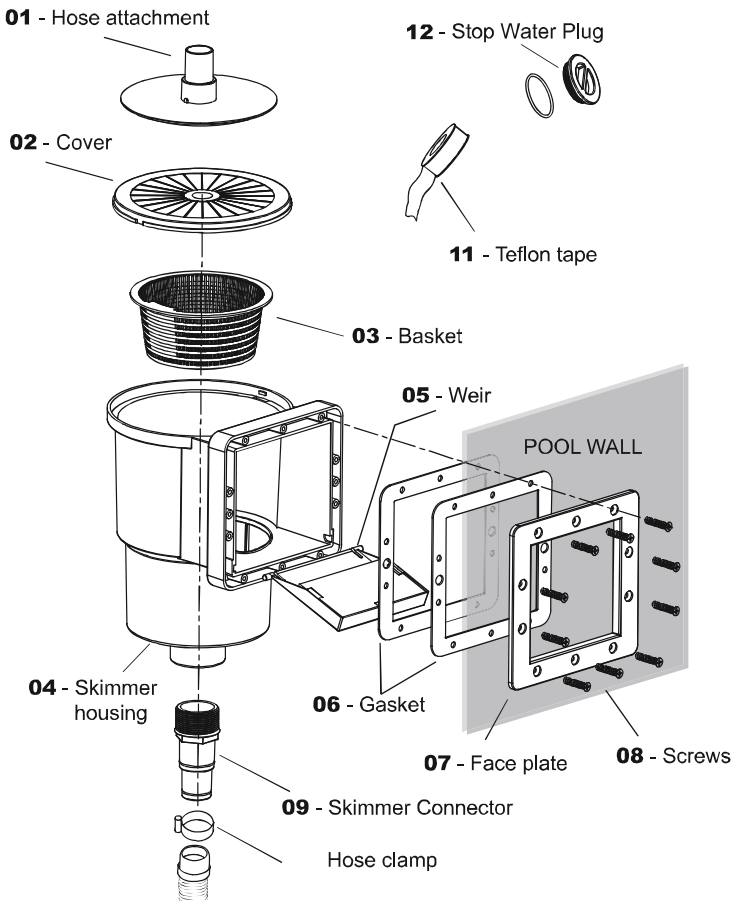
LEAF SKIMMER

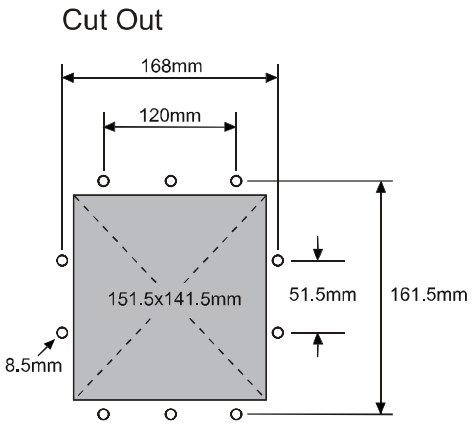
Instruction manual

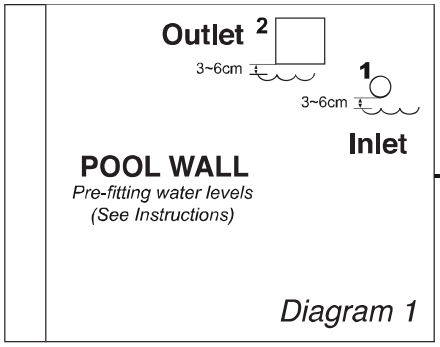
READ CAREFULLY THIS MANUAL AND RETAIN FOR LATER REFERENCE

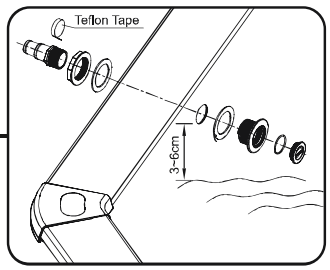
Components

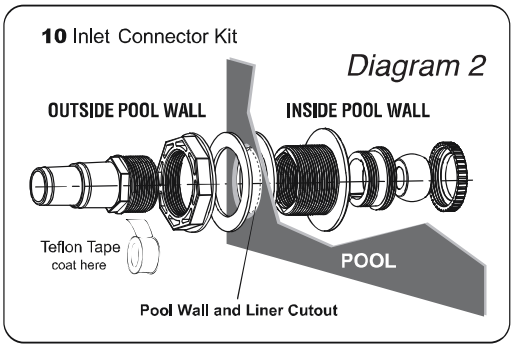
N.	Description	Quantity
01	Hose attachment	1
02	Cover	1
03	Basket	1
04	Skimmer housing	1
05	Weir	1
06	Gasket	2
07	Face plate cover	1
08	Screw ST5.5x25	10
09	Skimmer conncector	1
10	Inlet connector kit	1
11	Teflon tape	1
12	Stop water plug	2

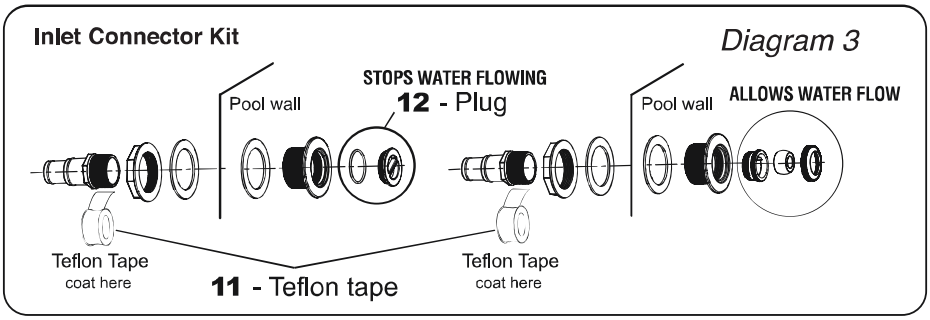












Installation

Inlet and outlet hose connection kit installation

Follow the metal wall pool manual for cutting the holes for the inlet, outlet and skimmer box housing connections.

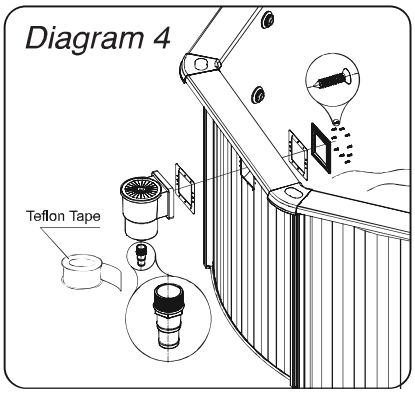
1. Fill the pool with water between 3 to 6 cm below the position of the inlet connector kit hole (see diagram 1).
2. Screw the inlet connector. Screw the remaining parts of the inlet connector kit into position (see diagram 2). Note: to stop the water flow, screw the plug (12) into the back of the inlet connector kit from inside of the pool wall (see diagram 3).

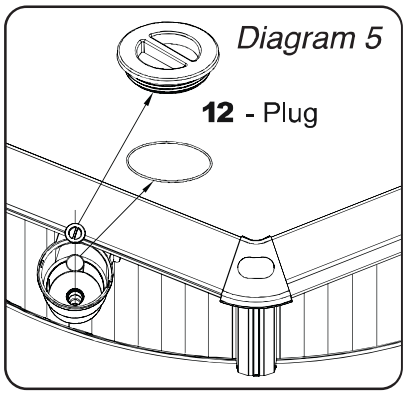
Note: when using the filtration system, unscrew and remove the plug (12) to allow water to flow to the filter.

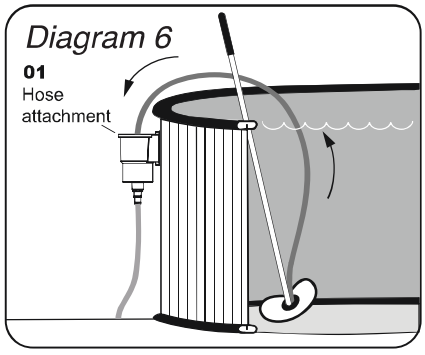
WARNING! Never permanently install the skimmer, inlet and outlet connector kits before the water is within a few centimeters of them, the water pressure helps the liner to become properly taut and allows small adjustments to be made before final installation.

Leaf skimmer installation

1. fill the pool with water between 3 to 6 cm below the position of the skimmer hole (see diagram 1)
2. from outside the pool wall, place the gasket (06) and skimmer housing (04) against the pool wall in line with the hole (see diagram 4)
3. from inside the pool wall, place the gasket (06) and faceplate (07) against the pool wall in line with the hole. Push the screws carefully through the pool liner but do not securely tighten them until all the screws are in place. Ensure that the housing and inside faceplate are correctly aligned and tighten the screws into position but do not over tighten as you may damage the screws and/or the pool wall and liner. Do not create multiple holes as this will cause damage to the pool wall and pool liner. Carefully trim off any protruding parts of the liner inside the connections after installation but do not trim off too much.
4. Screw the plug to the inside of the skimmer housing (04) to stop water flowing (see diagram 5). When using the filtration system, please unscrew and remove the plug to allow water to flow to the filter pump.
5. Place the basket (03) into the skimmer housing (04) and fix the cover (02). Coat the teflon tape (11) to the threading of the skimmer connector (09) and then connect it to the skimmer housing (04) (see diagram 4).
6. Clip the weir (05) to the front of the pool skimmer housing (05) if not already assembled.
7. Make sure the skimmer is sealed to the pool wall and no water is leaking.
8. Connect the filtration system to the pool. Follow the sand filter manual for assembly requirements before operating.
9. The hose attachment (01) can be used to connect pool cleaning kits* and vacuums (see diagram 6)
10. Finish off by checking and tightening all fittings but do not over tighten to avoid damage to the liner and pool wall.







* Cleaning kit not included

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