



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

ACQUAMARINA POOL

Assembly and maintenance guide

READ CAREFULLY THIS MANUAL AND RETAIN FOR LATER REFERENCE



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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 cannot 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.

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 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

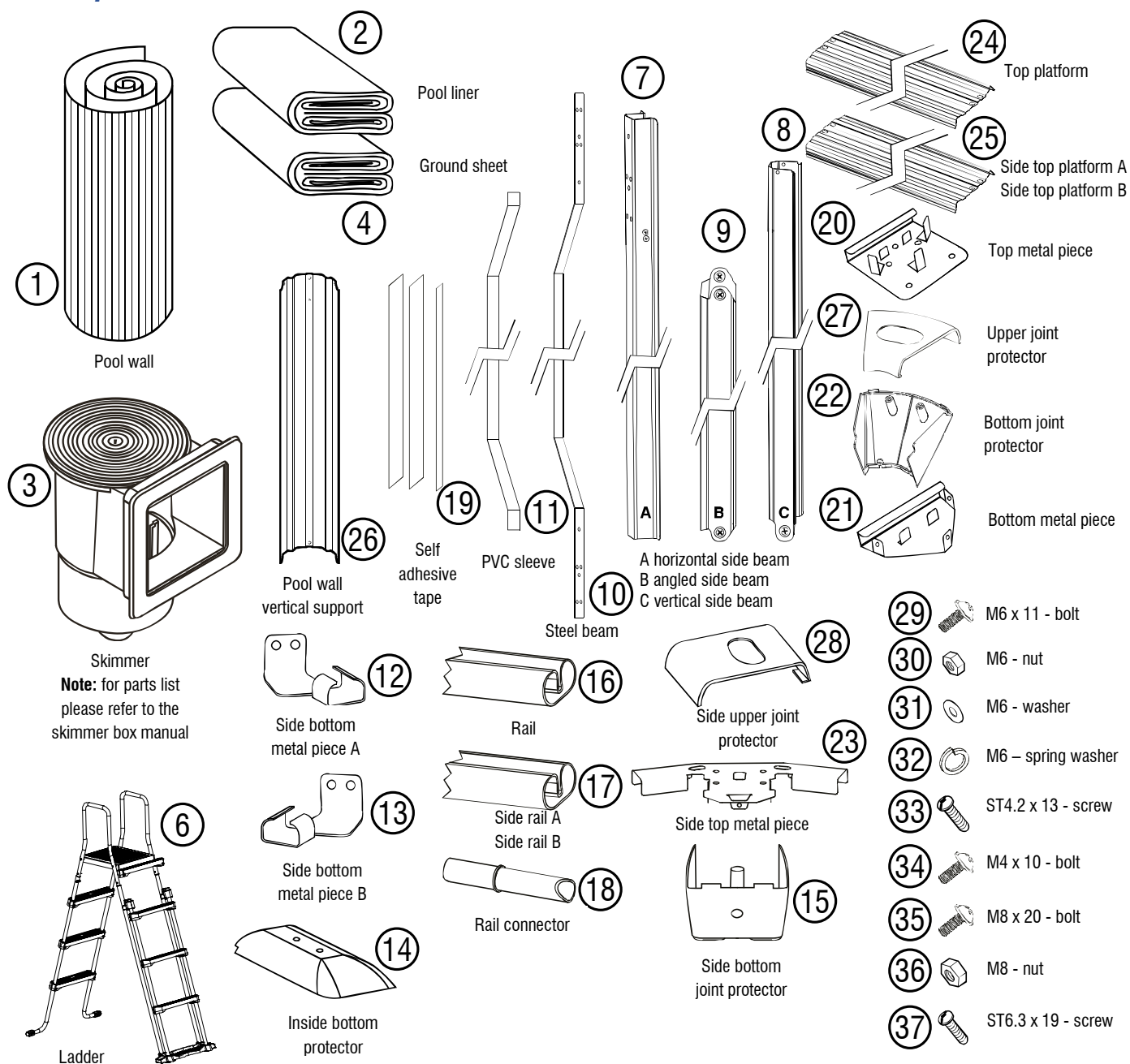
No sloping ground

Use only under competent supervision



Save these instructions

Components



Note:

- Check all parts and ensure they are present and undamaged before assembly.
- Report missing or damaged parts immediately to have them replaced.
- Images and objects may differ

Item No.	Description	Pool dimension (mm)
8011030 - 8011034	Acquamarina 490	L4900 x W3600 x H1200
8011031 - 8011035	Acquamarina 610	L6100 x W3600 x H1200
8011032 - 8011036	Acquamarina 730	L7300 x W3600 x H1200

No.	Description		Acquamarina pool 490 8011030 - 8011034	Acquamarina pool 610 8011031 - 8011035	Acquamarina pool 730 8011032 - 8011036
1	Pool wall		1	1	1
2	Pool liner		1	1	1
3	Leaf skimmer		1	1	1
4	Ground sheet		1	1	1
5	Pool cover		1	1	1
6	Ladder		1	1	1
7	Horizontal side beam		2	4	6
8	Vertical side beam		2	4	6
9	Angled side beam		2	4	6
10	Steel belt		1	2	3
11	Pvc sleeve		1	2	3
12	Side bottom metal piece A		2	4	6
13	Side bottom metal piece B		2	4	6
14	Inside bottom protector		2	4	6
15	Side bottom joint protector		2	4	6
16	Rail	1375mm length	12	12	12
	Rail	1420mm length	0	0	0
17	Side rail A	1300mm length	8	8	8
	Side rail A	1420mm length	0	0	0
	Side rail B	1155mm length	0	4	8
	Side rail B	1420mm length	0	0	0
18	Rail connector		32	32	32
19	Self adhesive tape		1	1	1
20	Top metal piece		8	8	8
21	Bottom metal piece		8	8	8
22	Bottom joint protector		8	8	8
23	Side top metal piece		2	4	6
24	Top platform	1380mm length	6	6	6
	Top platform	1415mm length	0	0	0
25	Side top platform A	1332mm length	4	4	4
	Side top platform A	1465mm length	0	0	0
	Side top platform B	1235mm length	0	2	4
	Side top platform B	1500mm length	0	0	0
26	Pool wall vertical support		8	8	8
27	Upper joint protector		8	8	8
28	Side upper joint protector		2	4	6
29	M6 x 11 – bolt		73	89	105
30	M6 – nut		57	57	57
31	M6 – washer		65	73	81
32	M6 – spring washer		40	48	56
33	ST4.2 x 13 - screw		36	40	44

34	M4 x 10 - bolt		54	60	66
35	M8 x 20 - bolt		20	40	60
36	M8 - nut		20	40	60
37	ST6.3 x 19 - screw		4	8	12

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

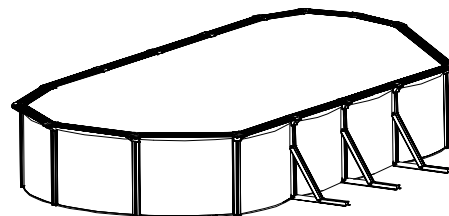
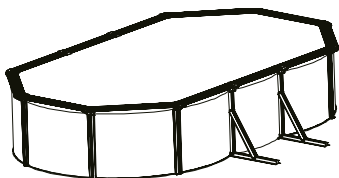
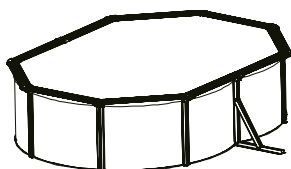
- Phillips head screw driver
- Small shifter
- Clothes pegs
- Sharp knife
- Spirit level
- Site excavation tools
- Protective gloves

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.

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 30 cm beyond dimensions shown in the plot layout around entire perimeter of pool.

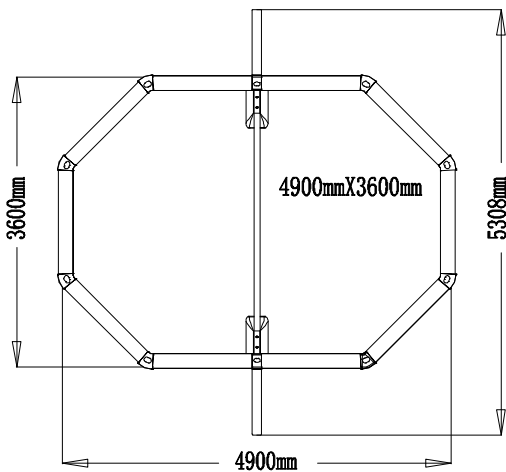


Diagram 1

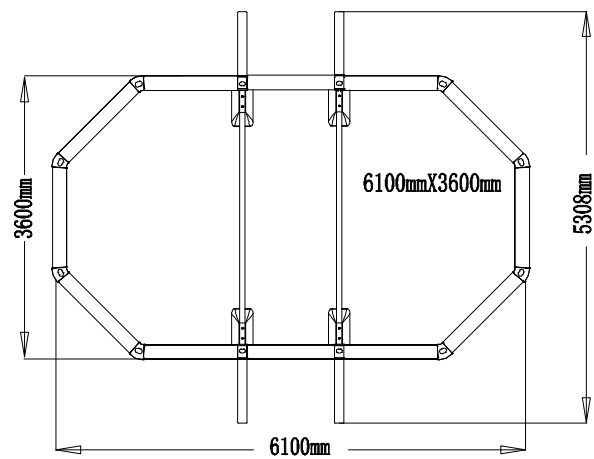


Diagram 2

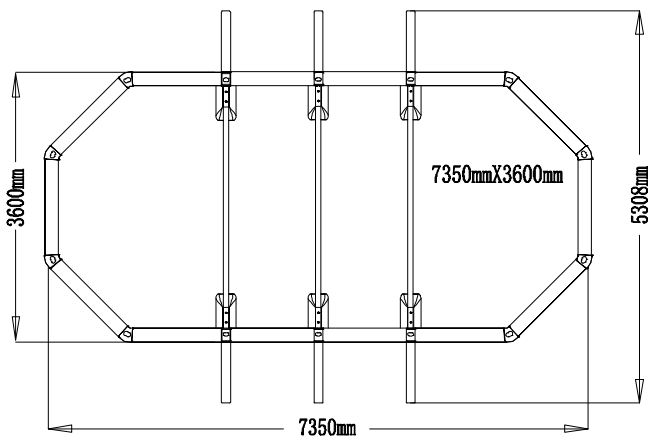


Diagram 3

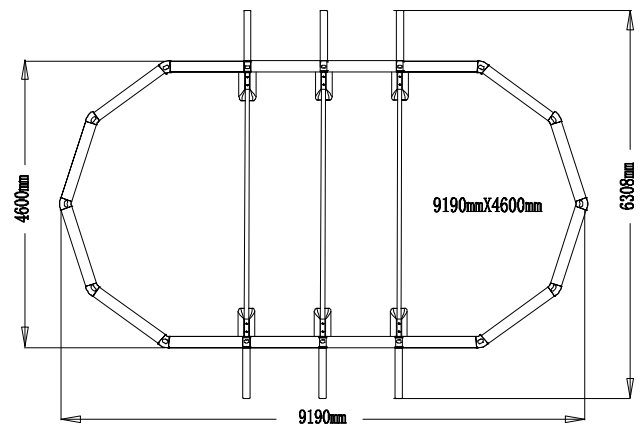


Diagram 4

II. 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!

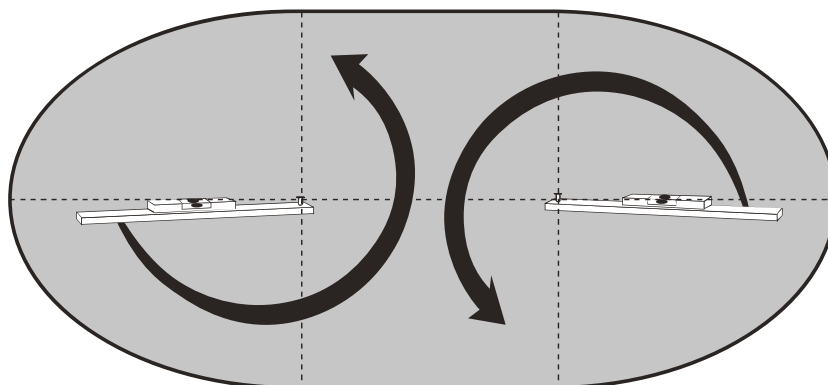


Diagram 5

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.

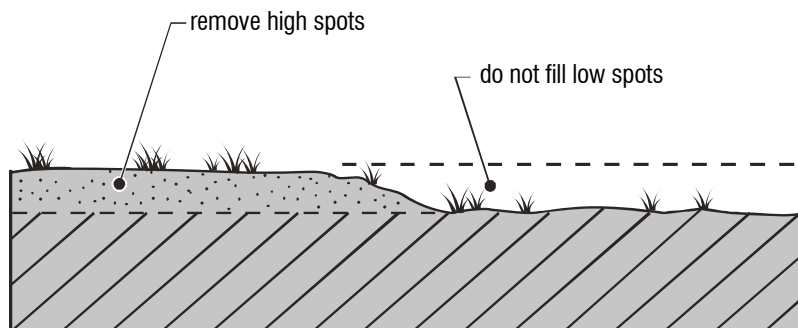


Diagram 6

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.

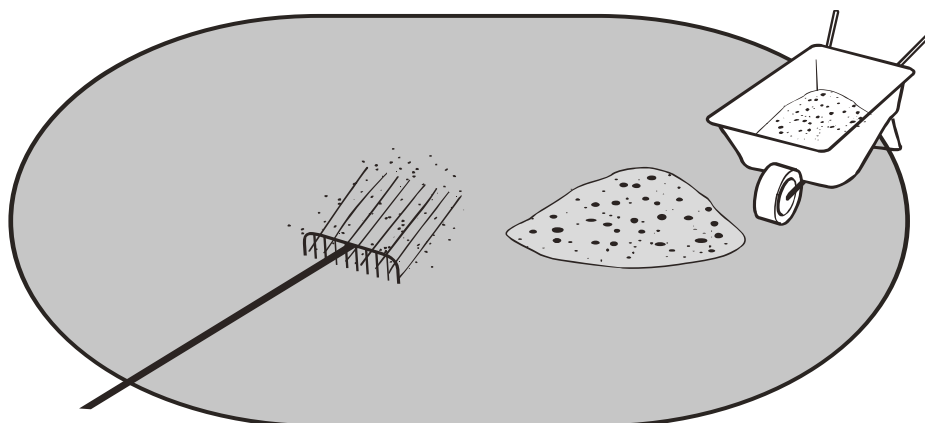


Diagram 7

III. Pool frame assembly

The pool wall side frame support consists of a left and right frame connected by a stainless steel belt (see diagram 8).

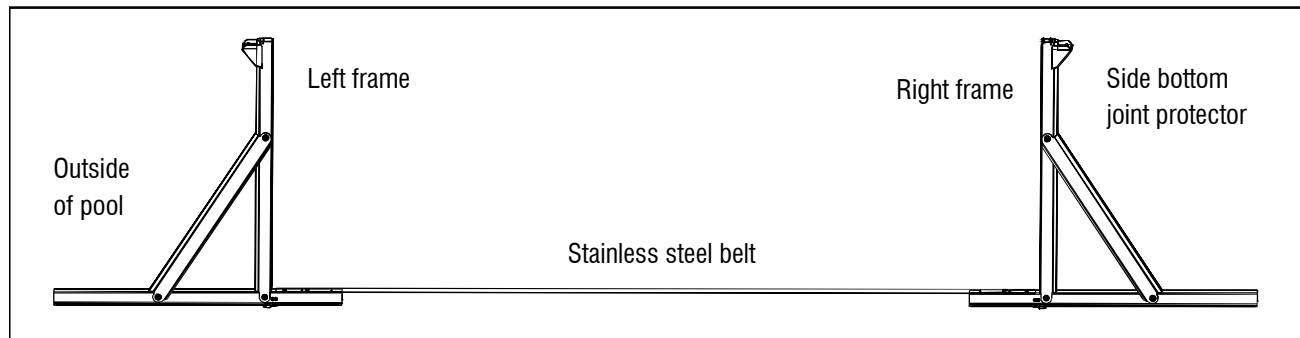
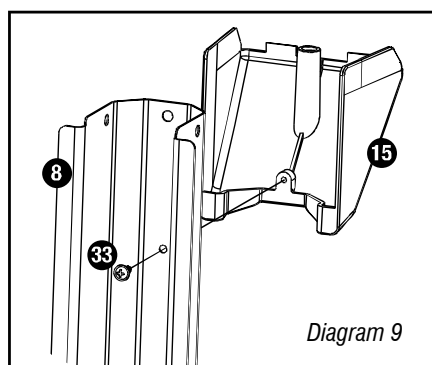
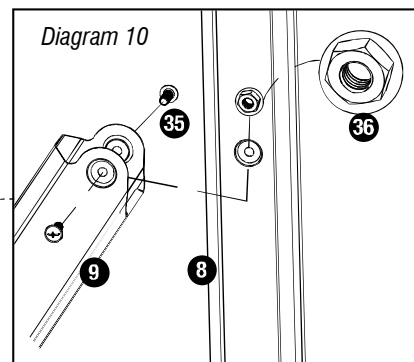


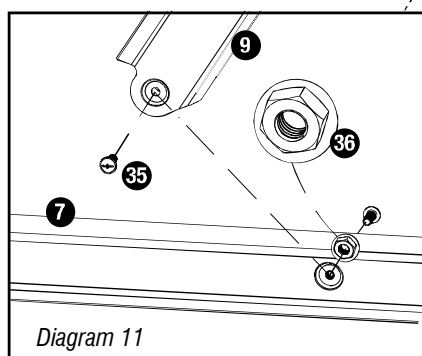
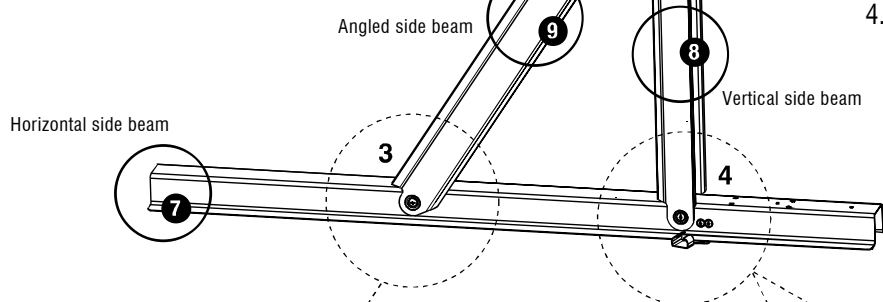
Diagram 8



1. Connect the side bottom joint protector to the top of the vertical side beam

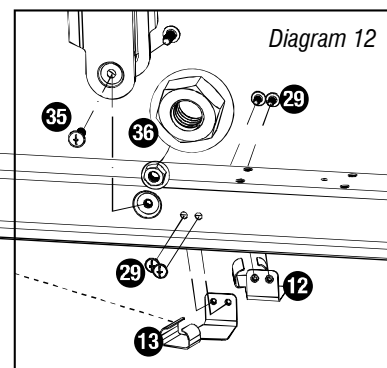
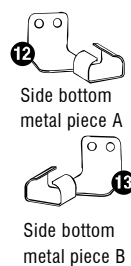


4. Connect the angled side beam to the vertical side beam



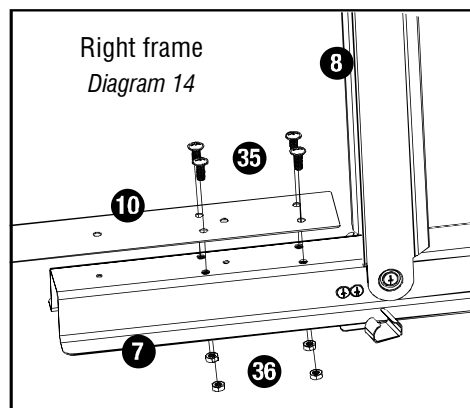
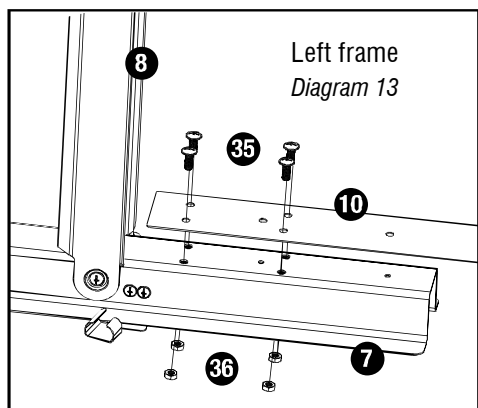
2. Connect the lower end of the angled side beam to the horizontal side beam

Connect both side bottom metal piece A and B to the horizontal side beam



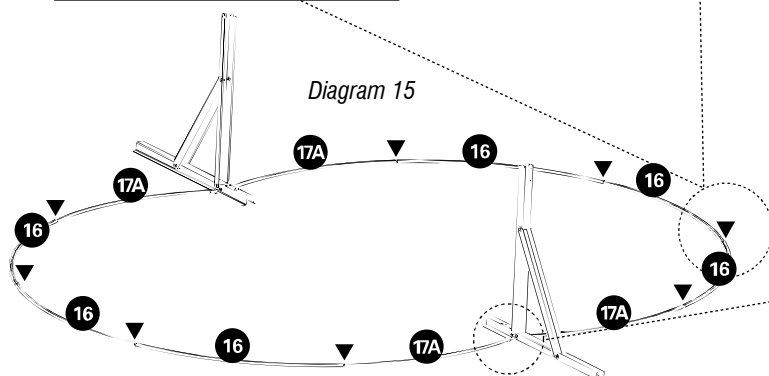
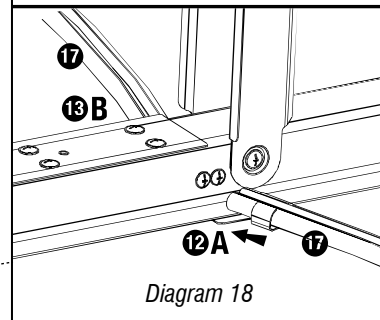
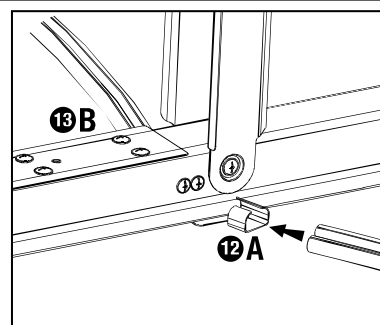
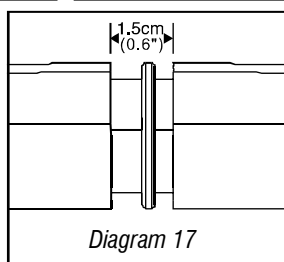
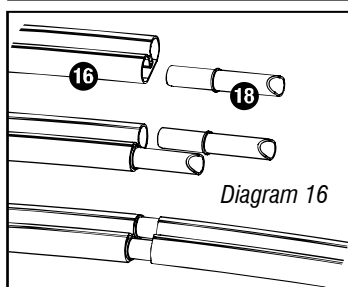
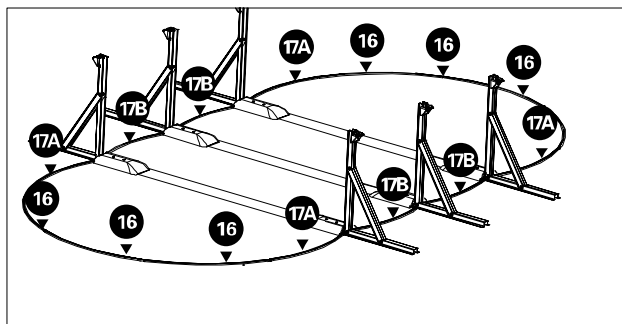
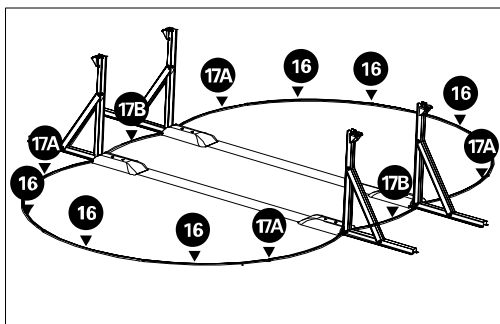
3. Connect the lower end of the vertical side beam to the horizontal side beam

1. Connect the steel belt to either end of the left and right side pool frames (see diagram 13 and 14). Make sure the steel belt is protected by the PVC sleeve which is provided in the package. This will protect the pool liner from damage.

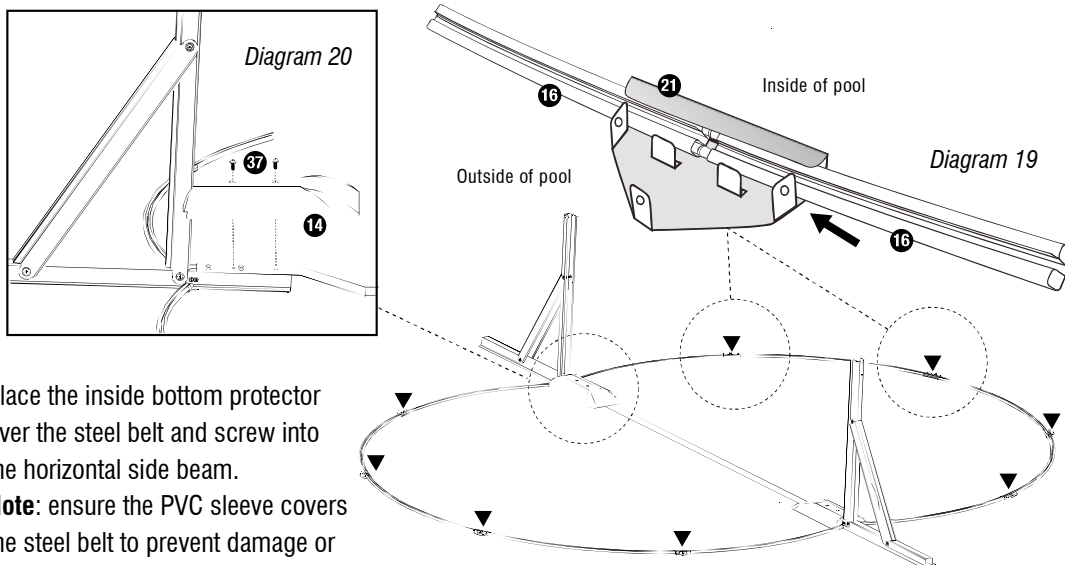


IV. Pool wall rail and rail connector setup

1. Position the left and right side wall frame in the middle of the prepared area (see diagram 15)
2. Place the rails around the area where the pool wall is to be installed (see diagram 15)
3. Connect the rails together using 2 rail connectors per rail (see diagram 16) and leave a 1.5 cm gap between each connection (see diagram 17)
4. Connect the side tails to the side bottom metal piece A and B either side of the pool wall frame supports (see diagram 18)



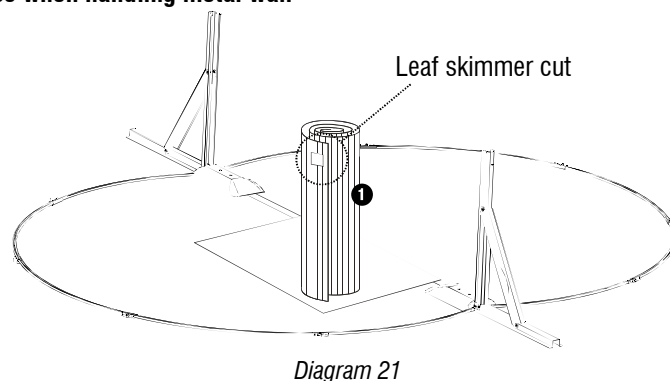
5. Place the bottom metal piece between the joins of the rails with the triangular end pointing out from the pool wall (diagram 19).



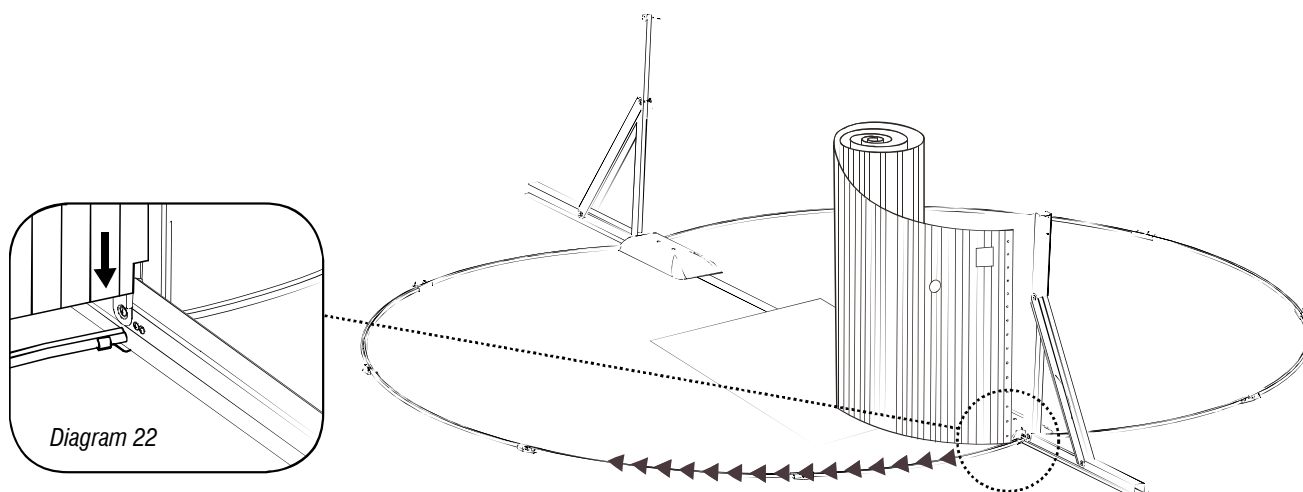
6. Place the inside bottom protector over the steel belt and screw into the horizontal side beam.
Note: ensure the PVC sleeve covers the steel belt to prevent damage or rust affecting the pool (diagram 20)

CAUTION: Wear protective gloves when handling metal wall

7. Place the metal pool wall with the skimmer hole at the top, onto a piece of cardboard, ply wood or ground during installation. Note: Position the pool wall's skimmer cutout in the same location to where your electricity supply will be to power the filtration system (diagram 21)

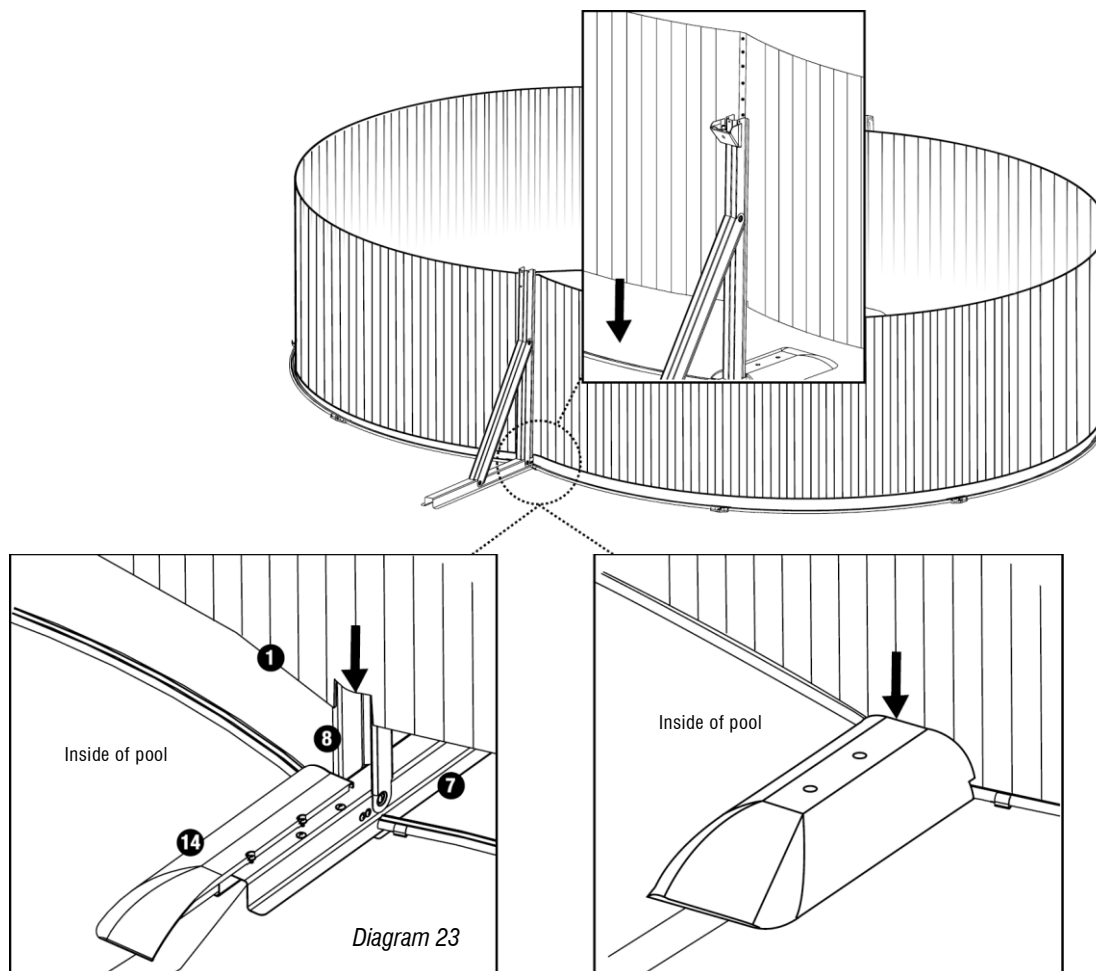


8. Rest the end of the pool wall in the side bottom metal piece between the gap in the side rail. Make sure the prepared location is not prone to constant windy conditions. Continue unrolling and placing the bottom edge of the pool wall into the rails until the full length of the wall is sitting in rails (see diagram 22).



9. On the opposite side of the pool wall, carefully lift and place the steel wall in between the side support frame and the inside bottom protector.

Note: There is a section cut out of the pool wall that will allow the wall to slot over the horizontal support beam (see diagram 23).



10. Line up the two ends of the pool wall then begin inserting and hand tightening each bolt and nut until the full length of the join is assembled (see diagram 24). Do not completely tighten bolts before you check the wall is in the correct place, level and that no damage has occurred to the pool wall.

Note: At this stage, it is recommended that you assemble the pool ladder to place over the pool wall to gain access to the inside and outside of the pool area's.

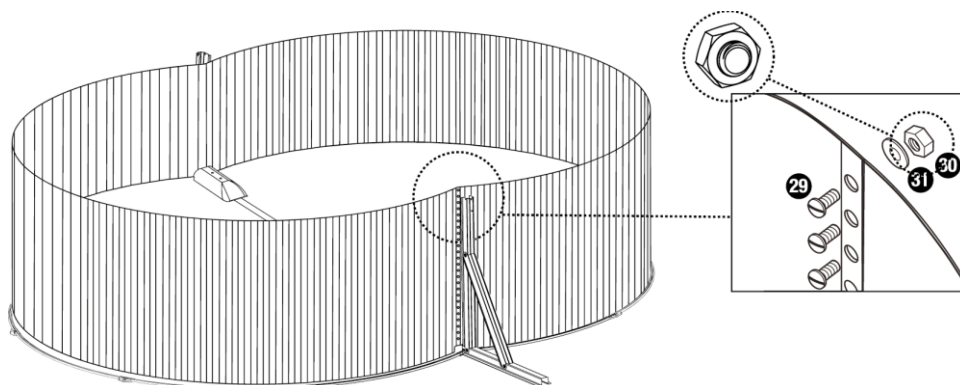


Diagram 24

V. Measuring the pool wall

WARNING

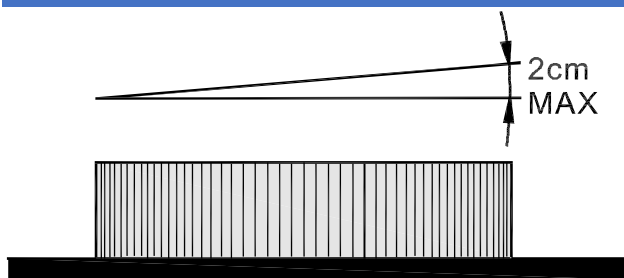


Diagram 25

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

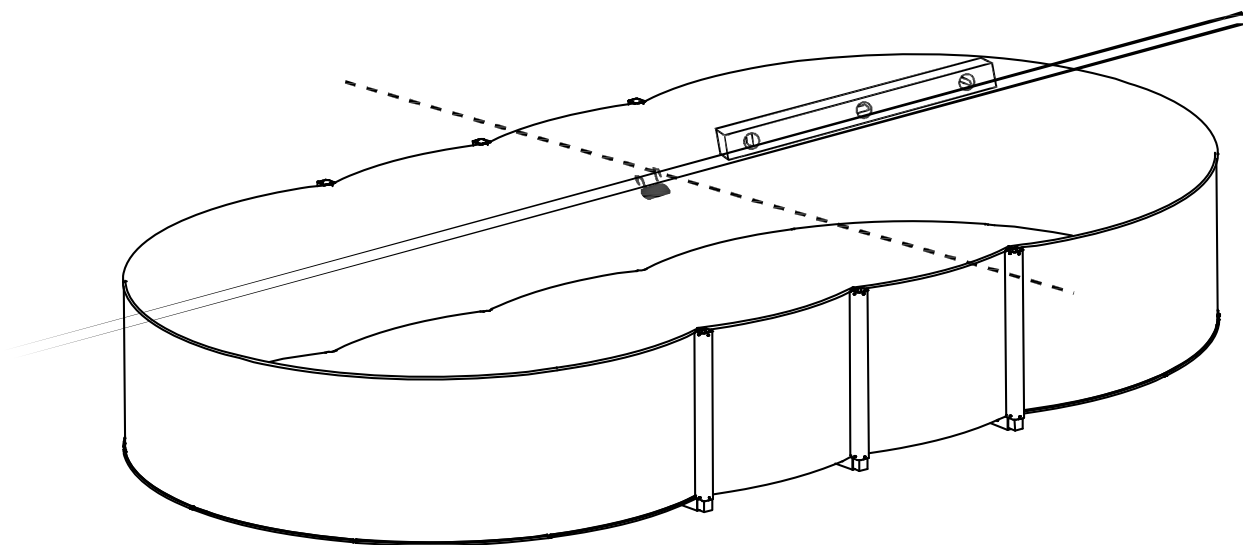


Diagram 26

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 25). If the deviation is more than 2 cm (see diagram 26) 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 disassembling 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 27 and 28).

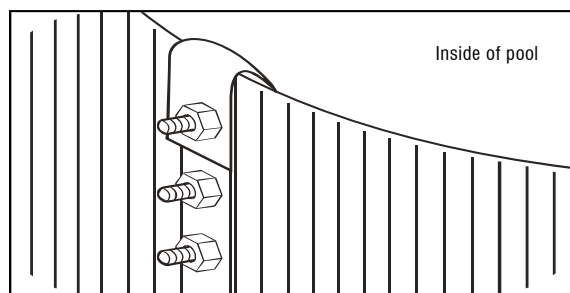


Diagram 27

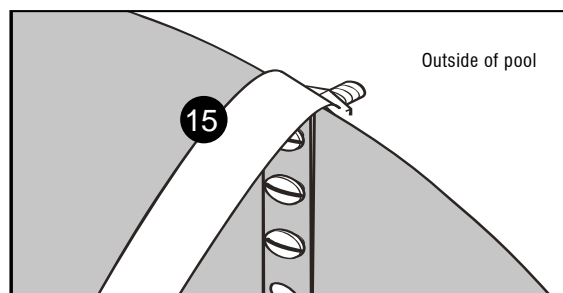


Diagram 28

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

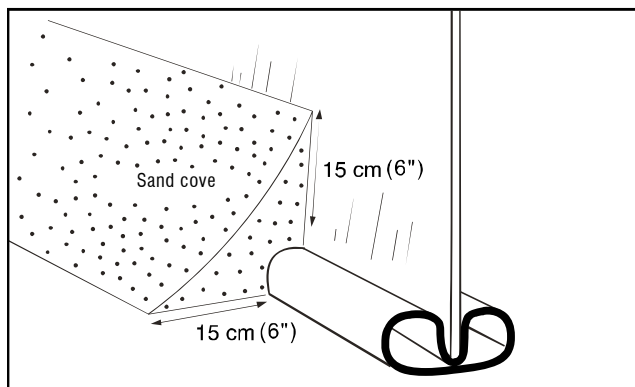


Diagram 29

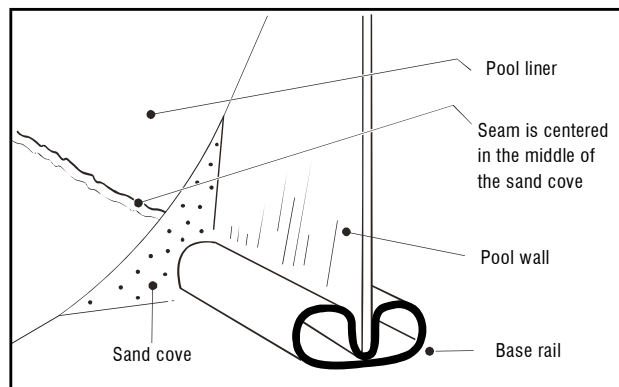


Diagram 30

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 29 and 30). The size should be height 15 cm x width 15 cm so that it completely seals the rail but doesn't distort the pool liner.

VII. 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 31 and 32). Hold the overlap in place with clothes pegs.

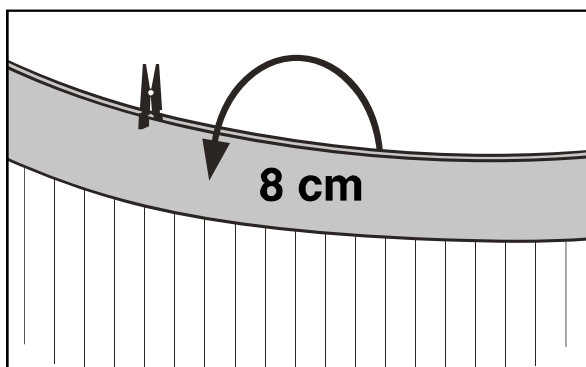


Diagram 31

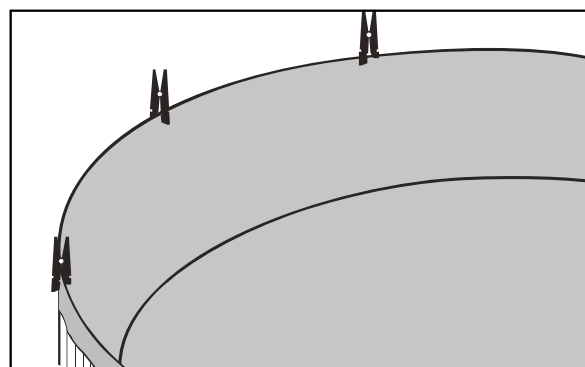
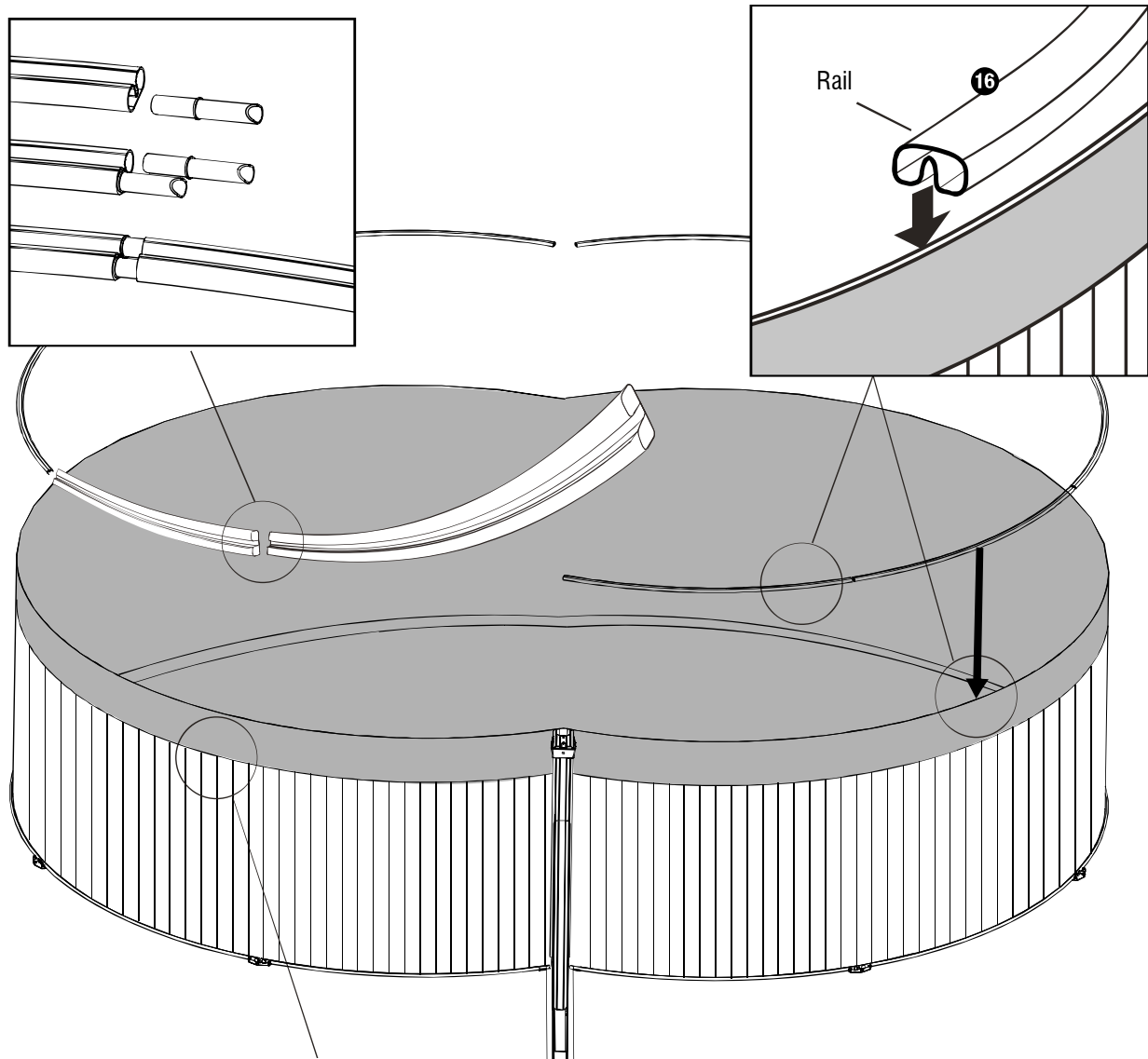


Diagram 32

Check if the pool liner is placed evenly around the perimeter. 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.

Remove the pegs one at a time whilst applying the fix rails (see diagram 33). Slide the pipe connectors into one end of the top rail, then connect another top rail, continue around the circumference until all top rails are joined together and firmly pressed into the top of the pool wall.



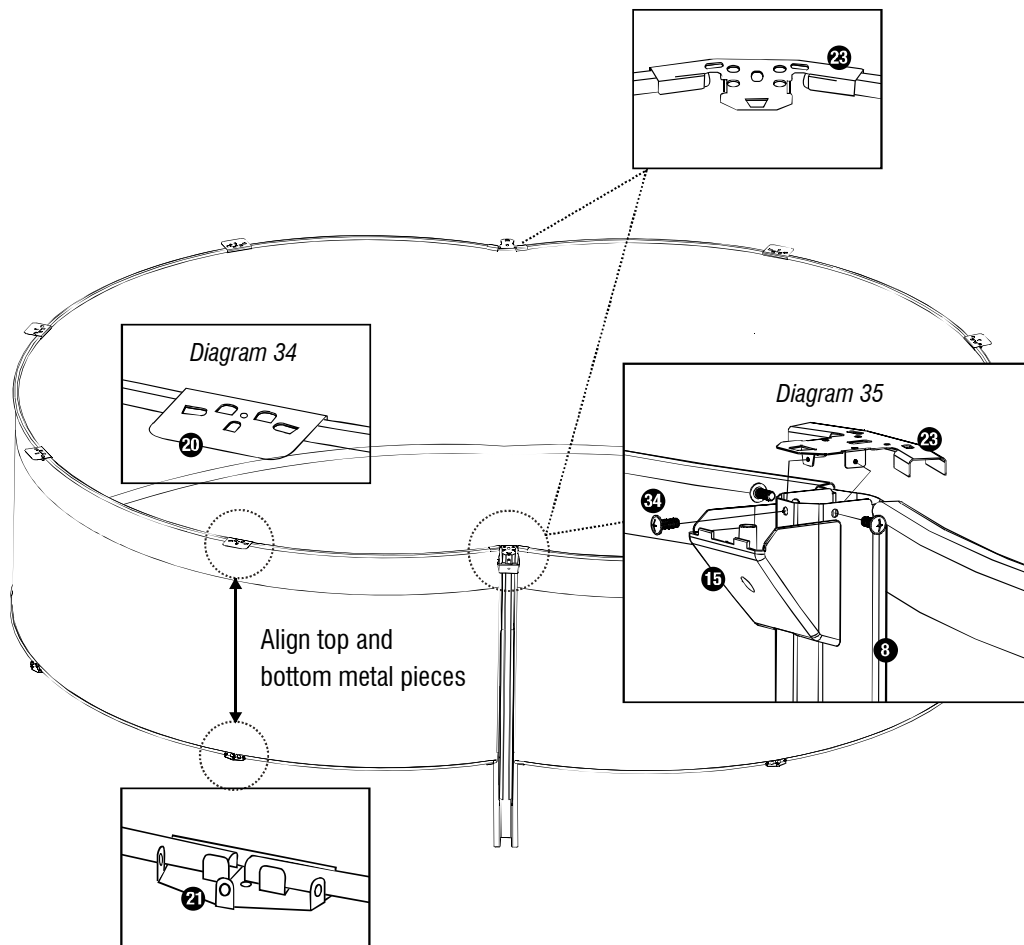
CAUTION! Do not cut the excess overlap of the pool liner wall. If you cut the overlap, it will make the next pool installation difficult.

Diagram 33

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

VIII. *Installing the top and side metal pieces*

Hook the top metal pieces over the top rail between the rail connections and align with the bottom metal pieces (see diagram 34).
Place the side metal pieces over the top of the vertical side beams and rails and screw into place (see diagram 35).



Place the two side top platforms on top of the rails and align the holes over the side top metal piece. Using four bolts, washers, spring washers, attach the side top platforms to the side top metal piece and only hand tighten. Place a top platform at the end of one of the side top platforms and attach using four bolts, washers, spring washers and nuts. Continue this process until all of the top and side top platforms are attached to all of the top and side top metal pieces (see diagram 36, 37 and 38). Check the alignment but do not tighten.

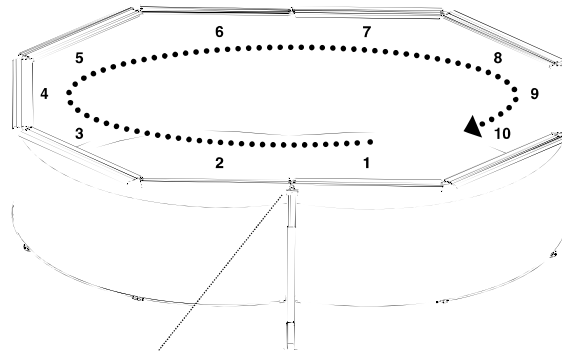


Diagram 36

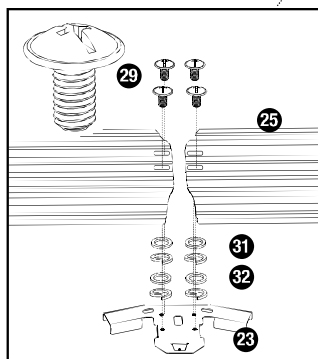


Diagram 37

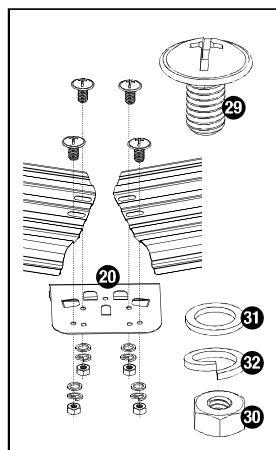
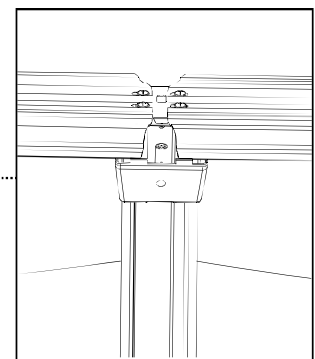
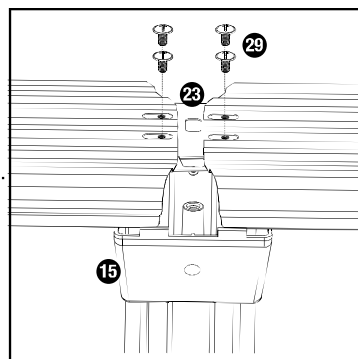
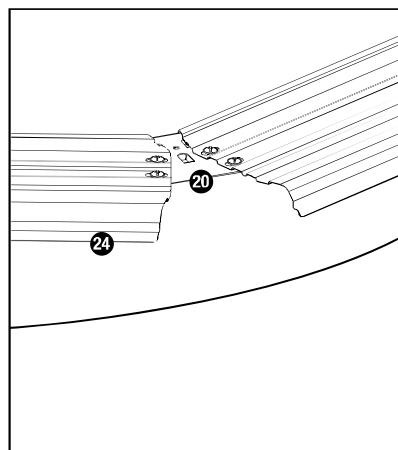
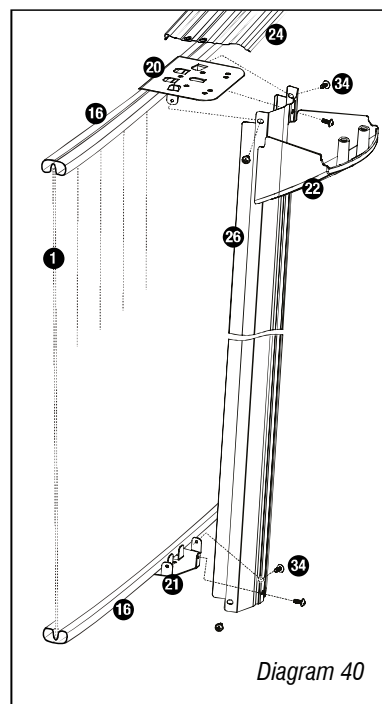
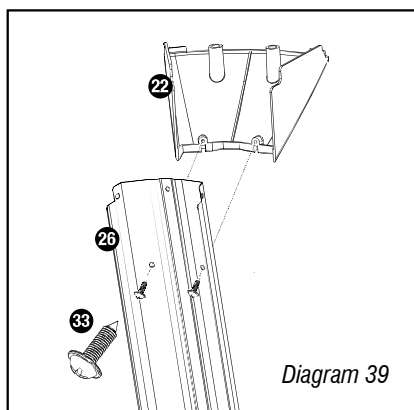


Diagram 38



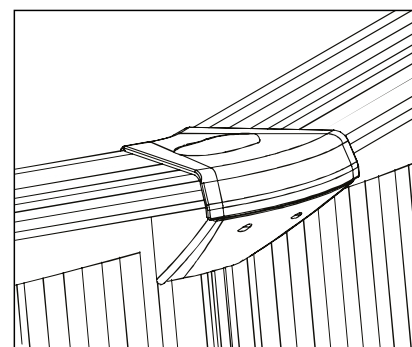
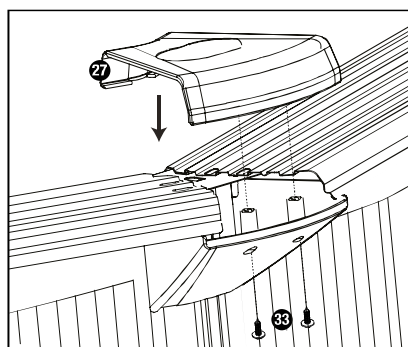
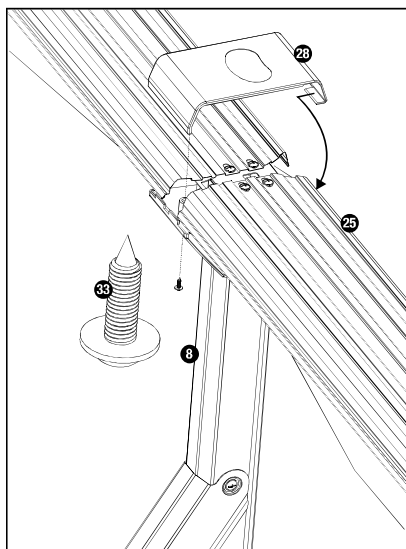
IX. Assembly of the vertical supports

Attach the bottom joint protector to the vertical support using the screws provided (see diagram 39). Line up all of the screw holes of the vertical supports with the top and bottom metal pieces. Fix the vertical support onto the top and bottom metal pieces and hand screw into place. Continue this process around the pool until all of the vertical supports are attached. Check and adjust the alignment of the vertical supports to ensure that they are indeed vertical and straight then go around the pool and tighten all screws top and bottom (see diagram 40).



X. Attaching joint protectors

Clip the non-screw end of the side joint protector over the side top platform join and screw the other end into place. Using the same method, attach the joint protectors for the top platforms and screw into place. Do not over tighten! (See diagram 41 e 42)



XI. 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 43).

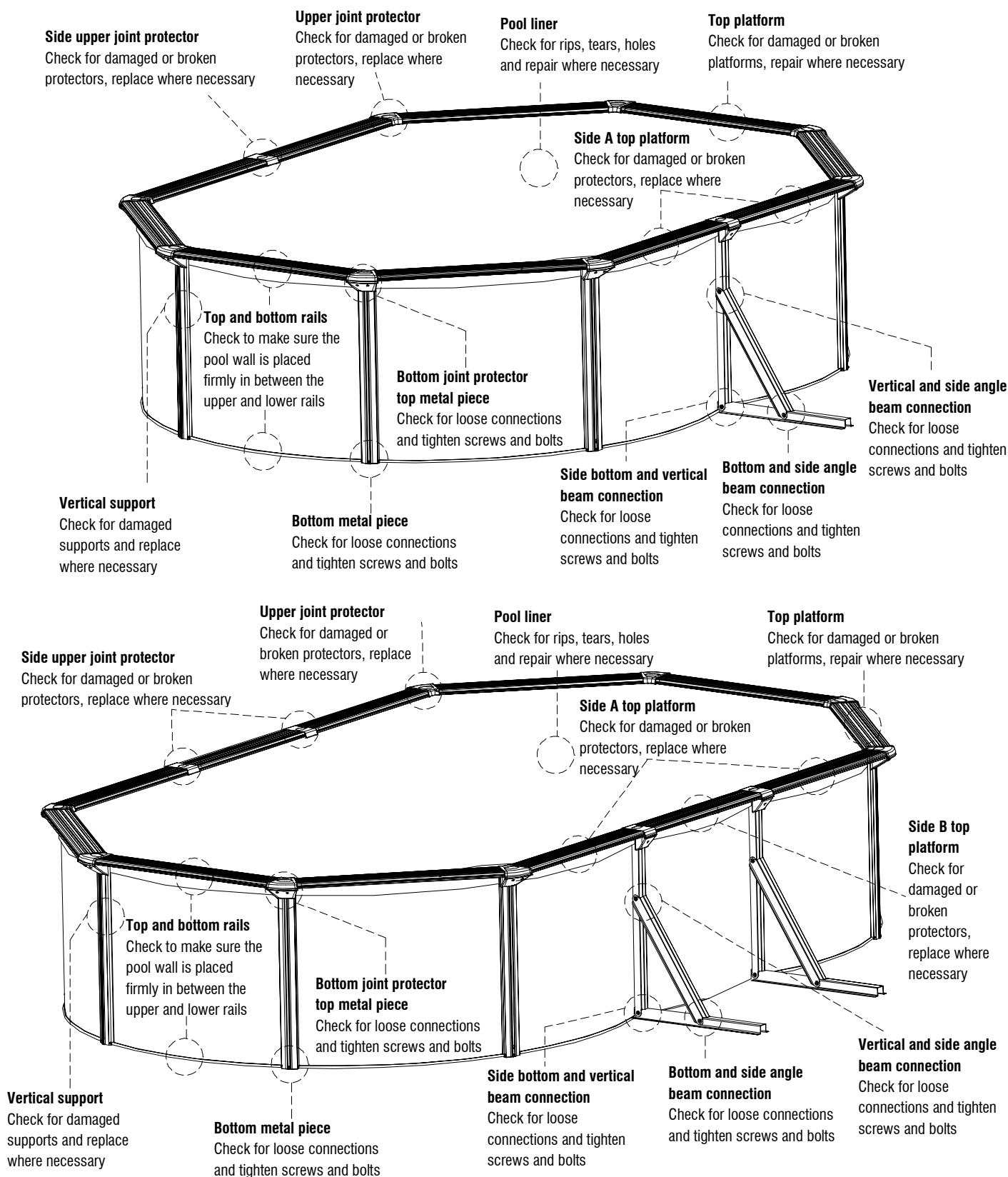


Diagram 43

XII. 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 44) to make sure water is entering the skimmer box opening.

WARNING

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

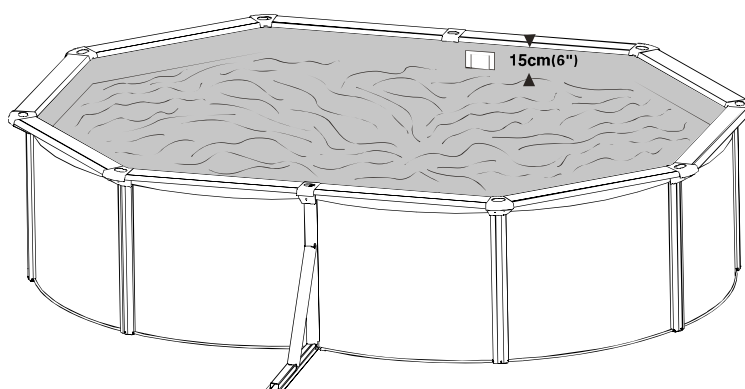


Diagram 44

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.

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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 submersible 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.

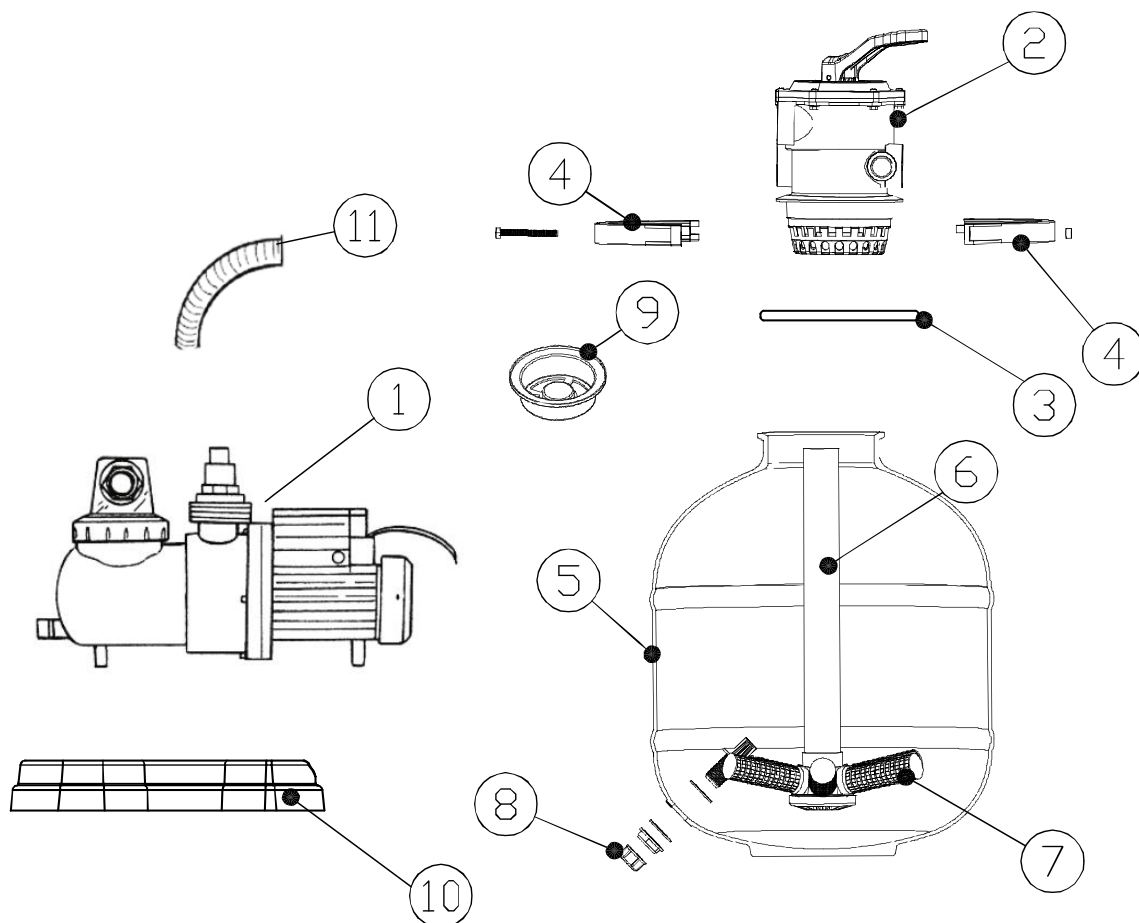
The necessary spare parts like the flexible tubes, the metal clips or the filter sand (not included) can be found in the usual service point.

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



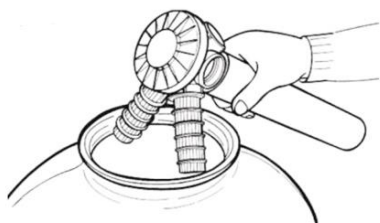
Drawing 1

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).

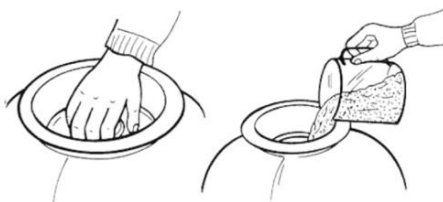
Finally, put the pieces to connect the filter to the valve. Make the joints watertight with PTFE tape.



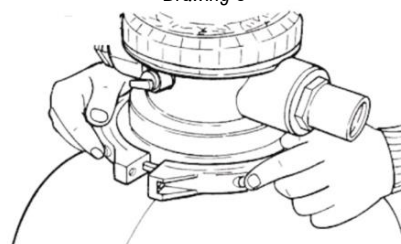
Drawing 2



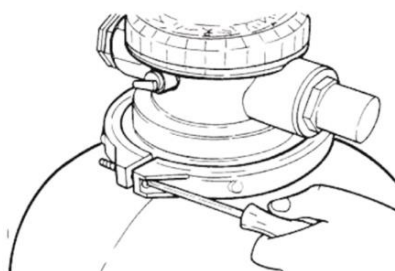
Drawing 3



Drawing 4



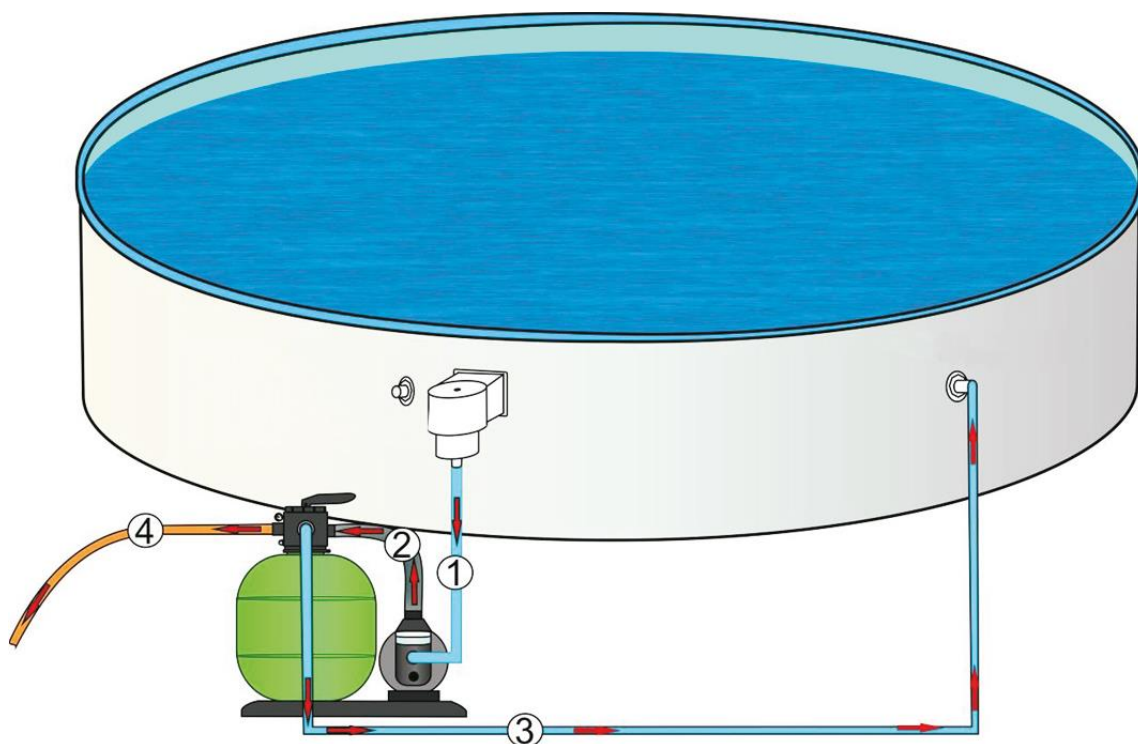
Drawing 5



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 put the 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.

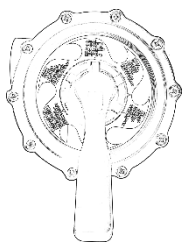
WARNING

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.

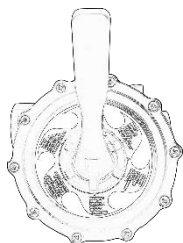
Before changing the position of the selector valve, STOP the filtration pump.

Multi-way control valve operation

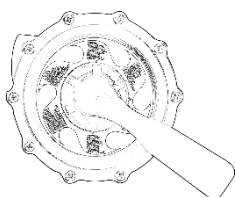
The control valve is used to select the 6 different filter functions: filter, rinse, recirculate, backwash, closed and open.



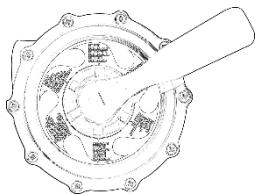
Filter. This function is used for filtering the pool water: it is the most used position. The water is pumped through the sand filter, where it is cleaned and sent back to the pool.



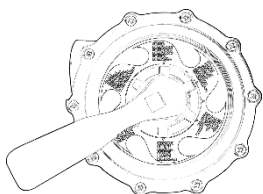
Backwash. This function is used to clean the sand bed: the water is pumped down through the intake manifold, pushed upwards through the sand bed and, finally, expelled outside the door D.



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.

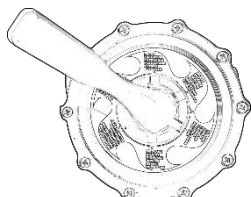


Recirculate. This function allows the circulation of the pool water without the use of the sand filter: it can be used when the filter is broken or for treatments of the pool water with specific chemicals for the treatment of the pool water.



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

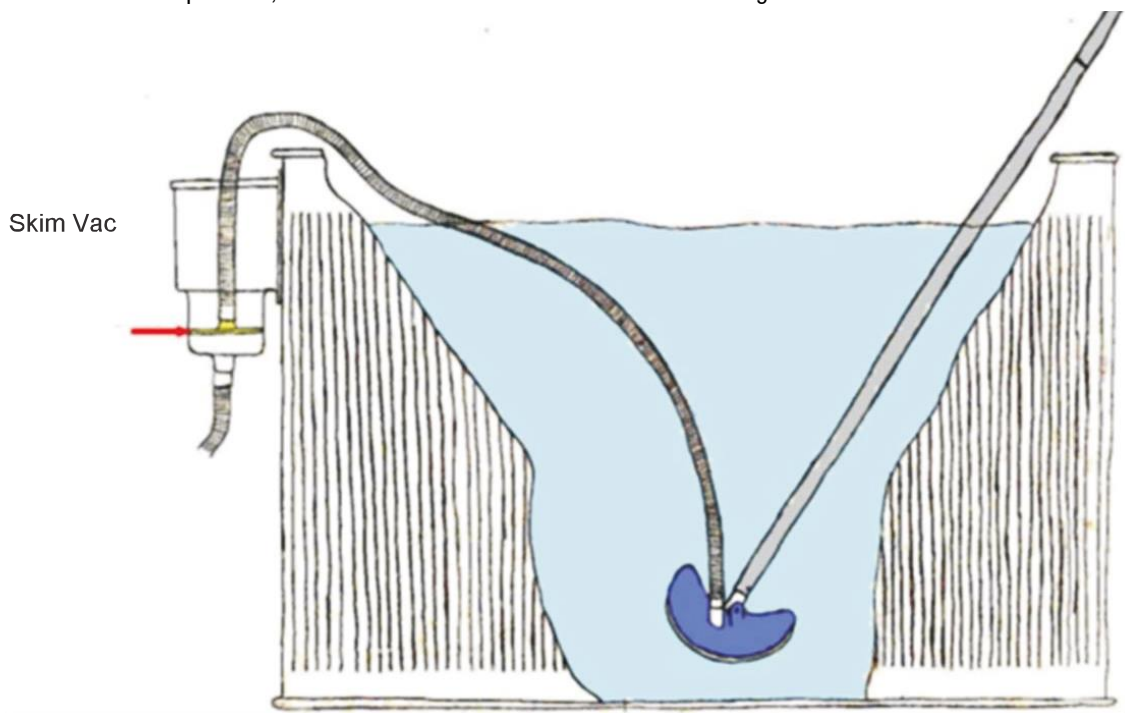
The vacuuming of the pool floor is carried out in FILTRATION position of the valve. The floor cleaner must be connected with the hosepipe to the skim vac of the skimmer. The pump must be switched off.

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]
Acquamarina pool 490	Ø 300	4	0,25	184
Acquamarina pool 610	Ø 400	6,5	0,5	368
Acquamarina pool 730	Ø 400	6,5	0,5	368

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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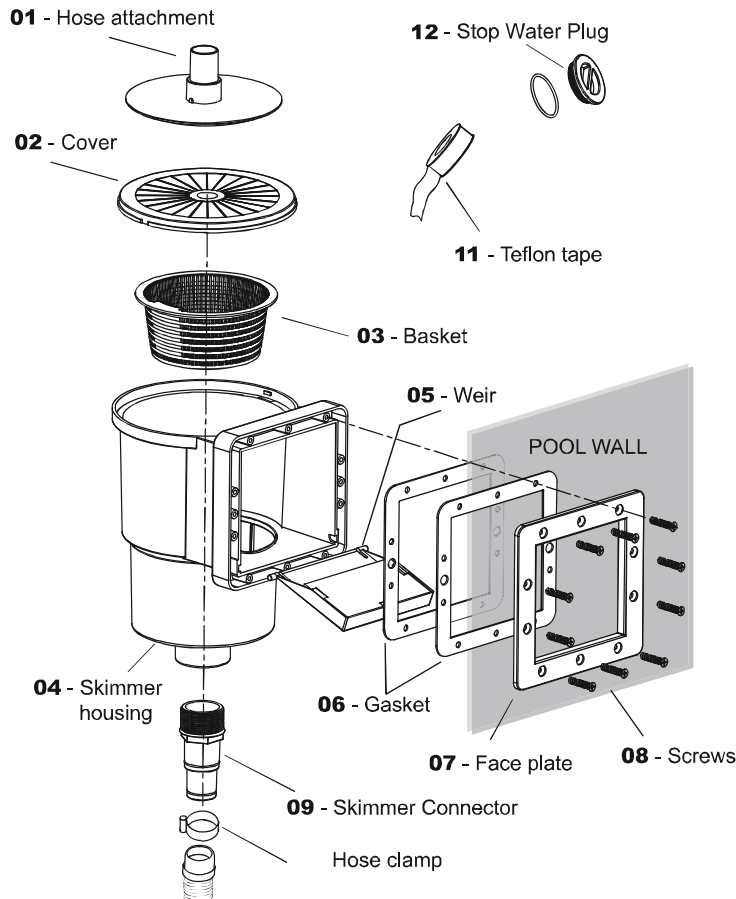
LEAF SKIMMER

Instruction manual

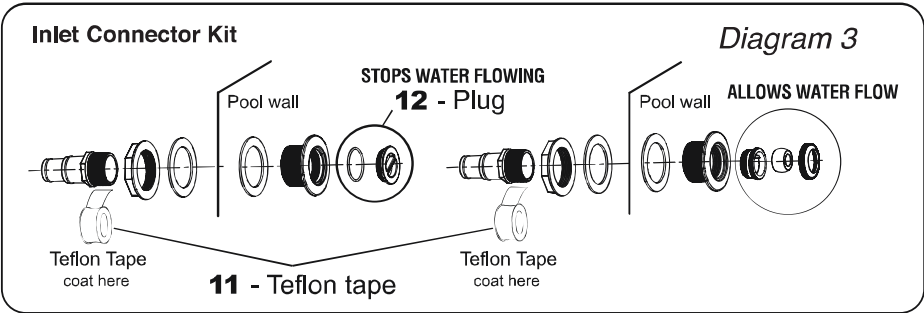
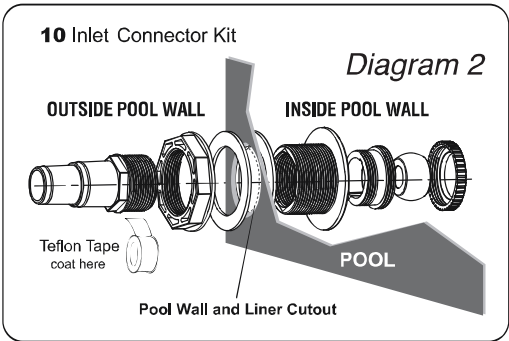
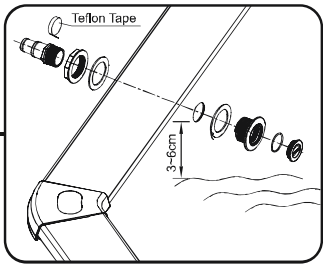
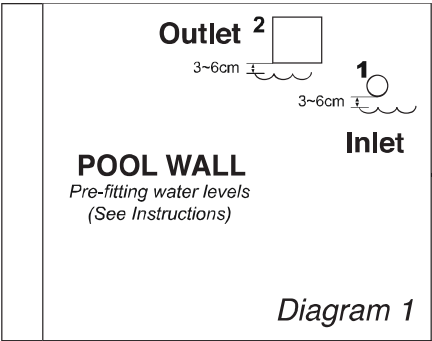
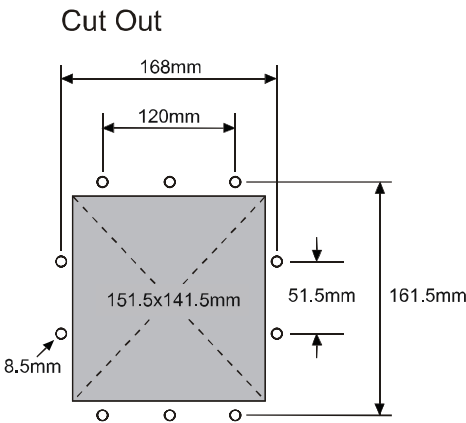
READ CAREFULLY THIS MANUAL AND RETAIN FOR LATER REFERENCE



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 connector	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.

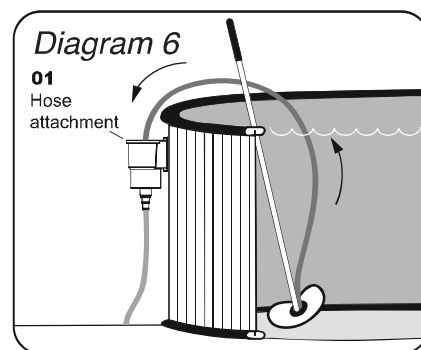
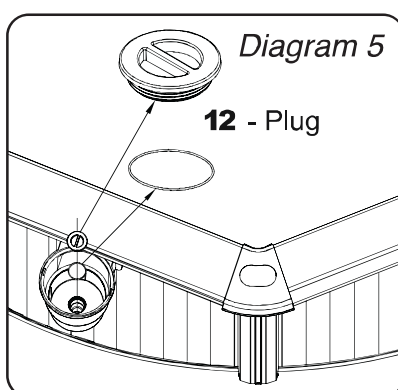
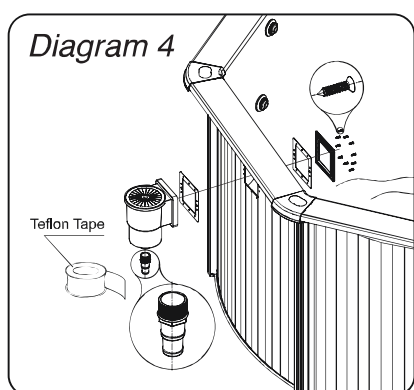
1. Fill the pool with water between 3 to 6 cm below the position of the inlet connector kit hole (see diagram 1).
2. Screw the inlet connector. Screw the remaining parts of the inlet connector kit into position (see diagram 2). Note: to stop the water flow, screw the plug (12) into the back of the inlet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