

ClearLift™ Manual



VXCLCM160324

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Safety information & warnings

WARNING KEEP ALL PEOPLE CLEAR OF THE SPA COVER WHILST IN OPERATION.

BEFORE ATTEMPTING TO OPEN, ENSURE COVER LOCKS ARE RELEASED

- Check surroundings before operating.
- To be operated by an adult 18 years and older only.
- Remove any objects or debris from the spa cover before operating.
- Do not operate in high winds.
- Ensure that all people have exited the swim spa before closing the spa cover.
- Ensure the spa cover straps are locked and the controller key is removed after use.

WARNING AVOID RISK OF DROWNING

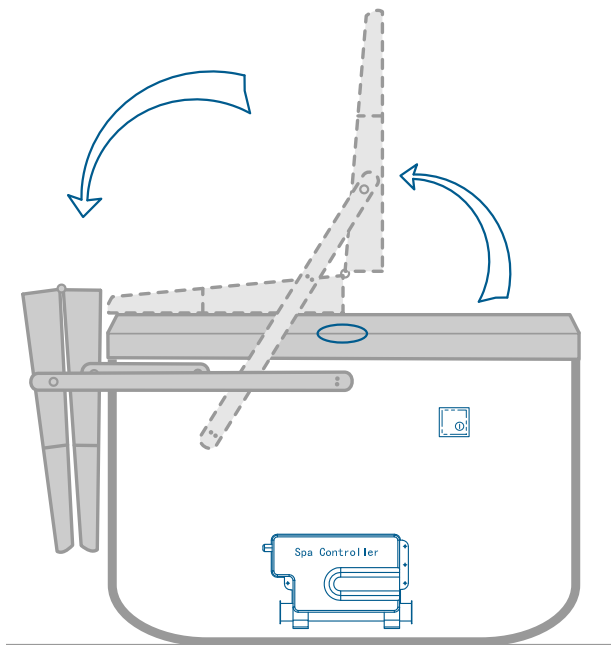
Non-secured or improperly secured covers may result in injury or death. In accordance with ASTM F 1346-91 guidelines, do not sit or stand on the cover. This spa pool cover must be kept locked at all times, removal of this cover must be done under adult supervision only.

WARNING FENCING ONLY AROUND STEPS ON A SWIM SPA DOES NOT MEET POOL SAFETY REQUIREMENTS IF THE CUSTOMER HAS COVER LIFTERS or CLEARLIFT™ COVER.

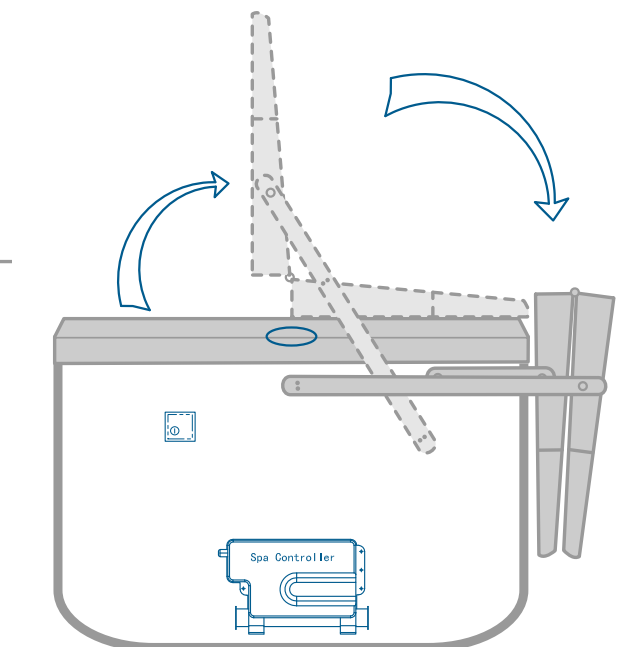
ClearLift™ layout and parts

If the ClearLift™ control panel is positioned on the right side of the swim spa, and the ClearLift™ cover folds to the left, it is considered a Left-Mounted ClearLift™.

Conversely, if the ClearLift™ control panel is located on the left side of the swim spa, and the ClearLift™ cover folds to the right, it is referred to as a Right-Mounted ClearLift™.



Left-mount shown



Right-mount shown

ClearLift™ layout and parts



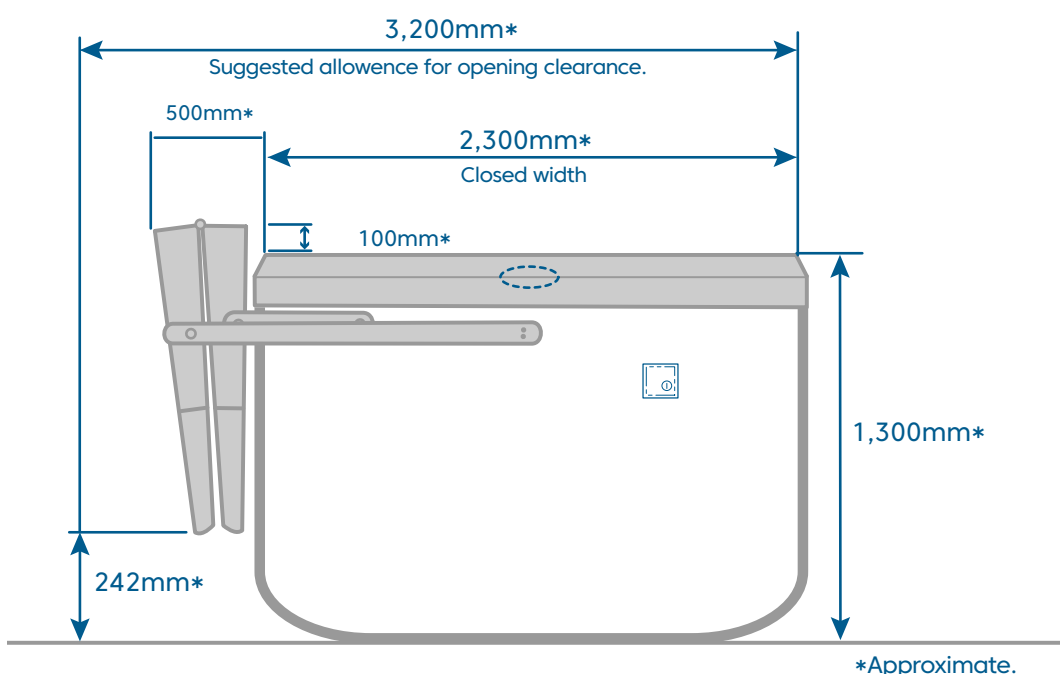
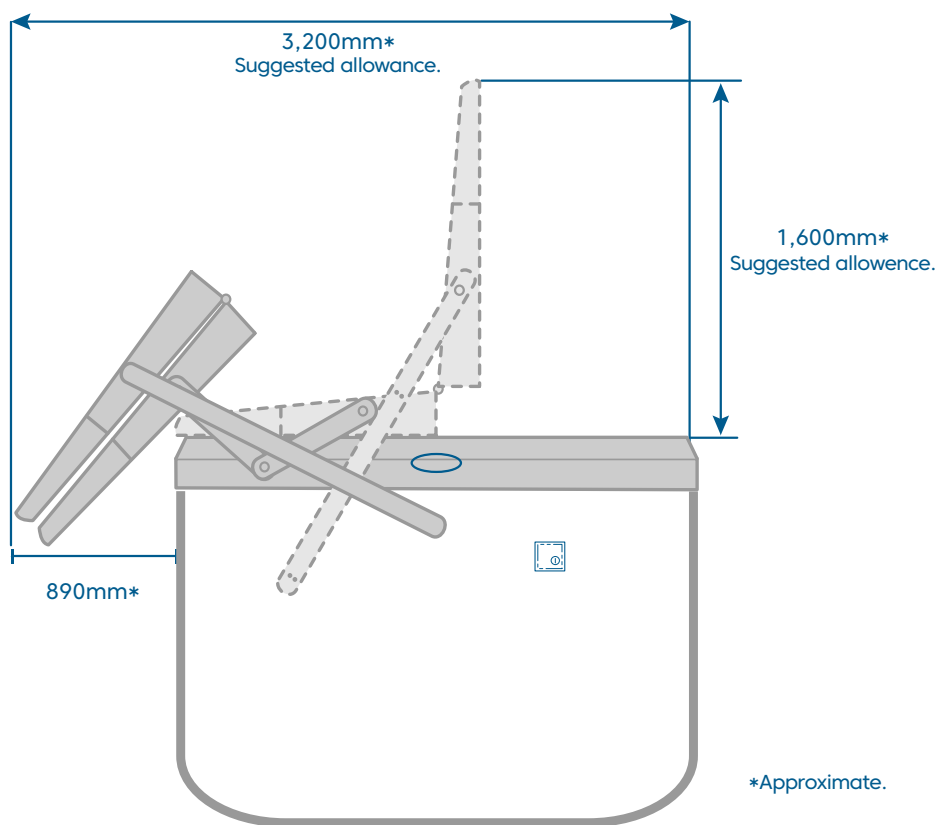
Left-mount shown



NOTE: *The ClearLift™ controller is installed at the same end of the swim spa as the spa controller keypad. In the case of a Vortex™ Hydrozone™, it is specifically positioned at the spa end.*

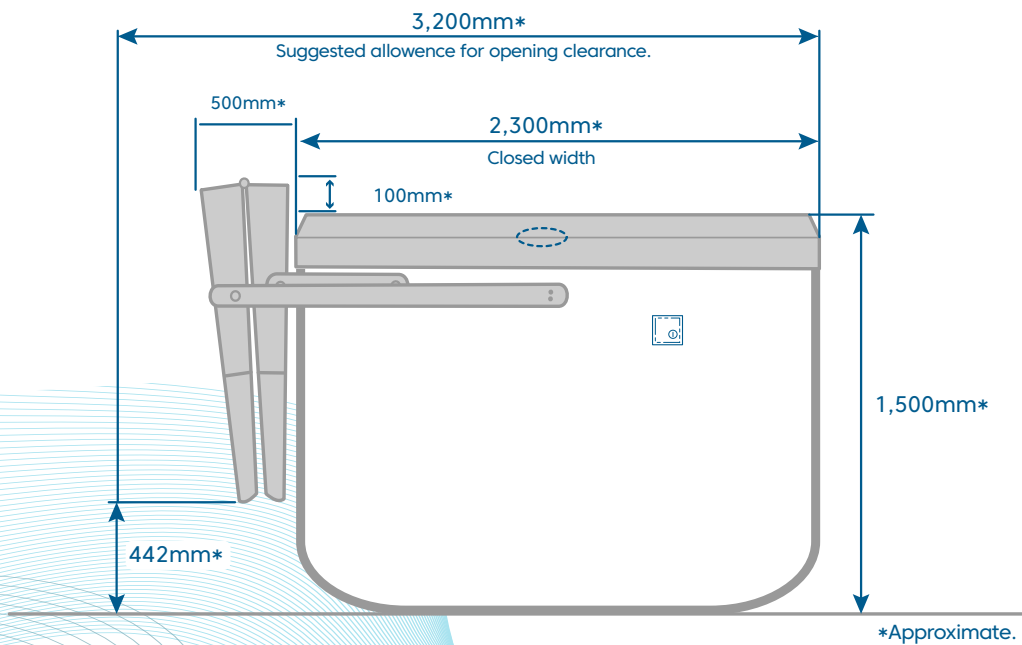
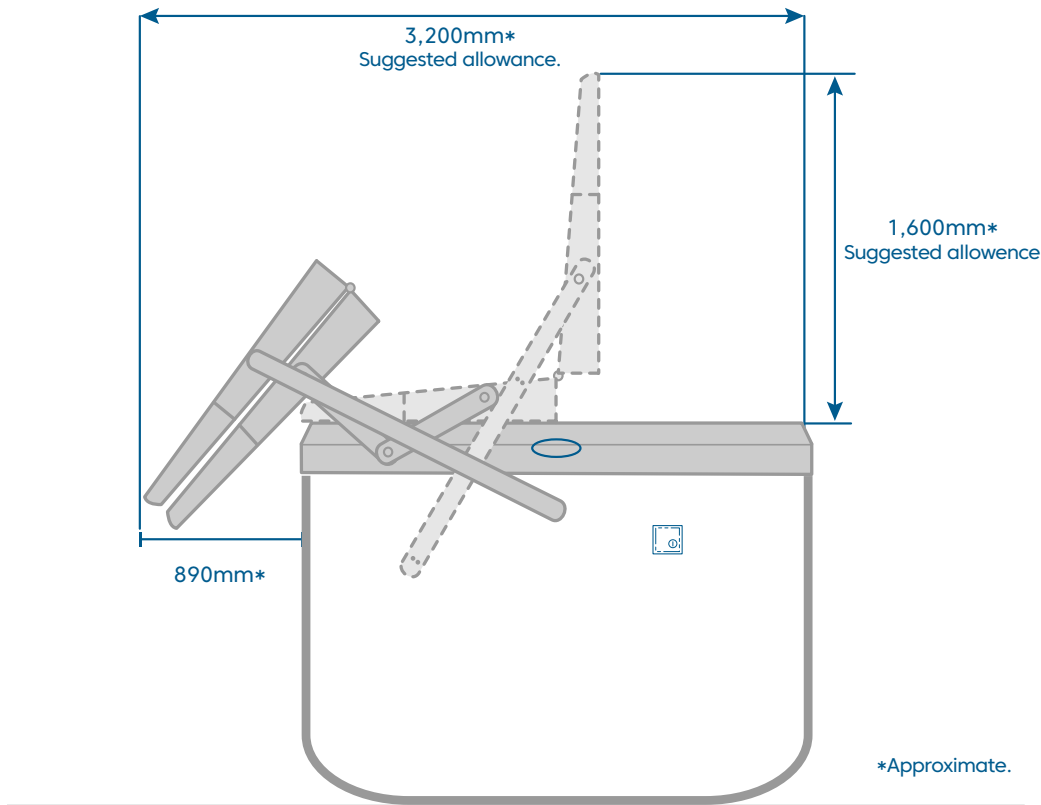
ClearLift™ opening allowance

Left mount, side view shown in Vortex™ swim spas 1,300mm height.



ClearLift™ opening allowance

Left mount, side view shown in Vortex™ swim spas 1,500mm height.



ClearLift™ keypad and Calibration

The ClearLift™ will come pre-calibrated from the factory however in the rare event that calibration is required, please follow these steps.

Ensuring proper calibration of the cover assembly is vital to maintain the synchronized operation of both the Left and Right Slider arms.

The incorrect calibration may potentially lead to damage to your ClearLift™ cover, and regrettably, such damage is not eligible for warranty coverage.

ClearLift™ keypad

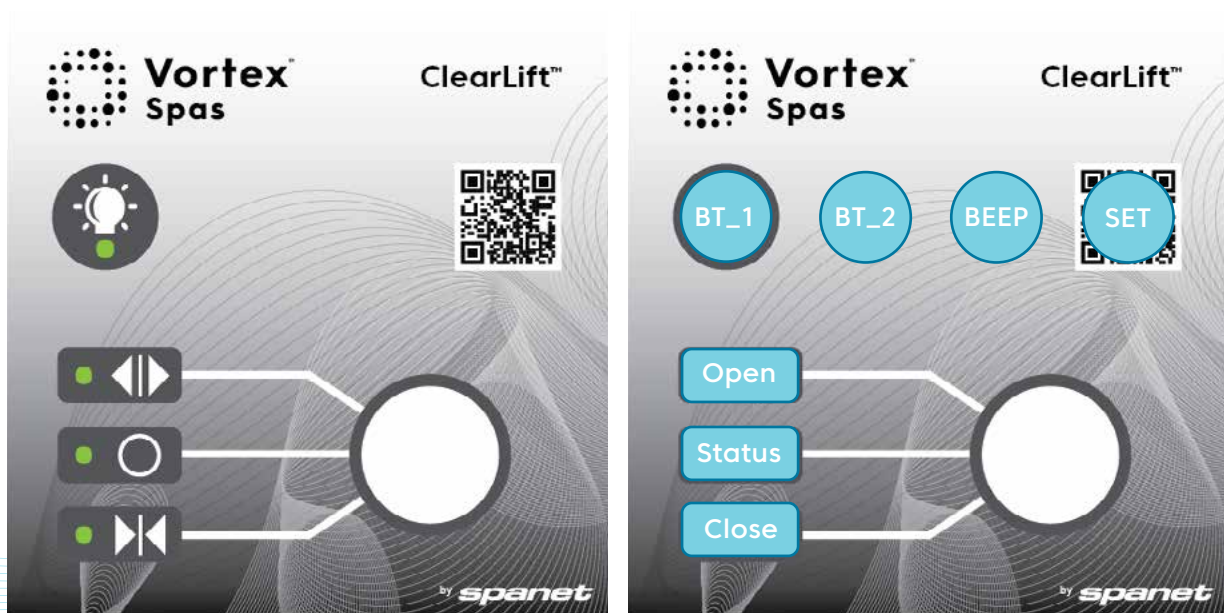
The calibration of the ClearLift™ cover is composed of two parts: **positional calibration** and **obstruction detection calibration**.

Both calibration procedures need to be performed before the cover lifter can be operated as intended, to ensure reliability of the system and safety of the users.

There are three buttons:

- BT_1 is behind the light bulb graphic
- BT_2 is alongside BT_1, but has no graphic, as pictured below.
- SET is behind the QR code

BEEP is the location of the keypad's piezoelectric buzzer.



Keypad overlay (left) and function legend (right)

ClearLift™ keypad calibration

Positional calibration

The following steps will ensure both ends of the system are synchronized. It is important that the cover lifts off the spa shell simultaneously.



Cover inner corners



Cover outer corners

ClearLift™ keypad calibration

Positional calibration

The following sequence sets the range of motion of the cover lifter. It can be used at any time and should be executed after all servicing procedures of the cover lifter. Re-calibration will be required after any firmware updates.

Power on the ClearLift™ system. The status LED will be **green**.



Step 1. Enter manual mode. Push and hold the QR code, Push and hold SET for at least 3 seconds until the status LED blinks white and 1 long beep is heard.



ClearLift™ keypad calibration

Step 2. Use manual mode if required for install

The status LED is now white. This mode can be used to test and adjust the actuators as required for install.

Use BT_1 cycle through the following options for individually controlling actuator movement.

- BT_1 LED on = left actuator.
- BT_2 LED on = right actuator.
- Both BT_1 & BT_2 LEDs on = both actuators.

BT_1
Left actuator

BT_2
Right actuator



ClearLift™ Keypad calibration

Use the key switch to control actuator movement. This is a good time to check both actuators can be extend and contracted. Adjust the actuators so that they are approximately the same length before moving onto the next step.



Step 3. Enter “set closed position”

Push and hold QR button (SET) for at least 2 seconds until the STATUS, LED blinks **Green** and 2 short beeps are heard.



ClearLift™ Keypad calibration

Step 4. Set the closed position

The status LED is now **Green**. Use the key switch to fully extend the actuators. Hold the key switch for at least 2s after the both actuators have reached the end of travel.

The actuators must be fully extended in the closed position for the system to work as intended.

The actuators must be fully extended in the closed position for the system to work as intended.

If the cover is not in the correct position when the actuators are fully extended, use the adjustment clevis on the actuators to fix this:

- If the cover is partially open when the actuators are fully extended, then the adjustment clevis (at both ends) should be used to make the actuators longer.
- If the cover is being forced into the spa frame when the actuators are fully extended, then the adjustment clevis (at both ends) should be used to make the actuators shorter.

It is also important to synchronize the two ends:

- If the near end is ahead of the far end, then use the adjustment clevis to either:
 - Make the near end actuator longer
 - Or make the far end actuator shorter

Similarly, if the far end is ahead of the near end, either:

- Make the far end actuator longer
- Or make the near end actuator shorter

ClearLift™ Keypad calibration

NOTE:

- *The adjustment clevis may be extended such that there is a maximum of 10mm exposed thread. If the gap is larger than this, there are not enough threads engaged to take the required forces during use.*
- *Once the actuators are fully extended, and the cover is in the closed position, push and hold SET for at least 2 seconds to confirm the closed position. The status LED blinks **Red** and 2 short beeps are heard.*
- *If the actuators are not fully extended, then pushing and holding SET will not advance to the next step. Extend both actuators fully, making sure to hold the key switch for at least 2s after the actuators have reached the end of travel, and try again.*

ClearLift™ Keypad calibration

Step 4. Set the open position

The status LED is now **Red**. Use the key switch to move the cover to the desired open position. Push and hold SET for at least 2 seconds. The status LED turns **Yellow** and 1 long beep is heard.



Use the key switch to move the cover to the desired open position.

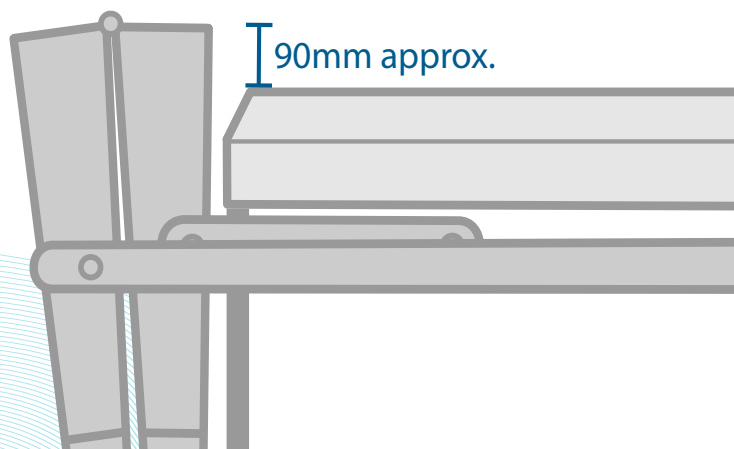


ClearLift™ keypad calibration

Gradually turn the key to define a position just short of fully open.



Cover should be a maximum of 90mm above the shell in the open position.



ClearLift™ Keypad calibration

Step 5. Positional Calibration complete

The status LED is **yellow**. The cover can now be closed by turning the key.



Attempts to open or close beyond the set positions are restricted.



ClearLift™ keypad calibration

Ensure both ends of the inner cover touch the swim spa shell simultaneously.



Confirm that both outer corners of the outer cover align simultaneously when closed.



Obstruction detection calibration

Cover lifter obstruction detection calibration is achieved by performing the following sequence. Note that the system will refuse to perform this calibration if the positional calibration procedure has not been done. This procedure will also need to be performed every time the positional calibration procedure is performed.

Step 1. Clear the swim spa and its surroundings of possible obstructions.

This procedure will perform automated movements/runs and without any obstruction detection active, it can get dangerous for person(s)/pet(s) near the swim spa. Also please make sure that there are no obstructions to the cover itself as the system will be considering the automated runs as obstruction-free reference runs.

Step 2. Perform obstruction detection calibration.

Push and hold both BT_1 and BT_2 for at least 3 seconds until the status LED blinks **Purple** and 2 short beeps are heard. The cover lifter will begin to perform 3 full cycles on its own. If you start from a fully opened position, this procedure will end in a fully opened position as well. Otherwise, this procedure will always end in a fully-closed position. At the end of the calibration, the status LED will turn solid **Blue**.

NOTE: *The user can stop the automated runs any time by pressing on any of the three buttons of the keypad. During these runs, avoiding touching the cover (or letting it hit anything) is essential.*

Status light colour

The status light colour outside of calibration mode changes depending on the calibration state of the system.

Green – Uncalibrated.

The cover will not move in this initial uncalibrated state.

Yellow – Positional calibration done, obstruction detection calibration not done.

There is a high risk of injury for any nearby person/animal while the cover lifter is being operated.

Customer installs must NOT be left in this state.

Blue – Fully calibrated.

This is the intended state of the cover lifter system.

All customer installs MUST be left in this state.

It is possible to operate the cover lifter in the Yellow state, but there will be severe limitations and increased risks to users and their surroundings if the system is not fully calibrated.

Overriding obstruction detection

WARNING: Danger of bodily injury and or damage.

The following is only to be used for emergencies.

For example: When trying to close the cover in high winds. It cannot be used for standard functionality to bypass the obstruction detection which could lead to injury or breakage that voids the warranty.

Step 1: Push and hold BT_1 (button LED) until you hear a beep.



Step 1: Turn the key while keeping BT_1 pushed down



Troubleshooting

Fail to fold

The outer cover is required to fold on top of the inner cover before both covers slide over the side of the spa. If this doesn't happen, then the cover won't open correctly. This issue can occur due to incorrect calibration between the two ends or a manufacturing problem with the slider arm.

Step 1: Check the calibration.

- Do the outer corners both lift at the same time? Do the hinges at each end both lift at the same time, approximately halfway through the travel?
- If not, then you need to adjust the length of the actuators. The actuator at the trailing end can be shortened, or the actuator at the leading end can be lengthened. This requires the clevis at the bottom of the actuator to be adjusted.
- In general, shortening the trailing actuator is preferred. This is because there may be a maximum of 10mm of exposed thread between the actuator and the clevis when the jam nut is tight against the clevis. If more thread than this is exposed, there will not be sufficient thread engagement, and the joint may fail.

Step 2: Replace the slider arm

If there is an issue with the slider arm, then it is easiest to replace the whole assembly.

Step 3: Contact us

If neither of these steps resolves the issue, please contact us for further assistance.

Troubleshooting

How to fix controller error with ClearLift™ cover

If there is an issue with the controller, generally the status LED will flash red.

Step 1: Reset the controller by pressing BT1 and SET at the same time for 3 seconds.

Step 2: Turn the spa off and wait for at least 10 seconds before plugging it back in. By turning off the spa, you give it a chance to reset and clear any temporary glitches or errors.

Before turning it back on, check that the LED status - stays on for a few seconds when you unplug it.

ClearLift™ FAQs

Can I walk on the ClearLift™ cover?

No, you cannot walk, stand or sit on the spa cover. It is not designed to support the weight of a person. In some circumstances, it may be possible to walk on the cover, but doing so is likely to damage the cover and compromise its ability to insulate and protect the spa.

Do I need to use the cover locks on my ClearLift™ cover?

Yes, it is recommended to use cover locks every time you close the spa cover. This helps keep unsupervised children from entering the water and ensures their safety. Cover locks are especially important during high winds because they prevent the wind from putting extra pressure on the cover.

Do I have to take the key out every time I use the ClearLift™ cover?

Yes. By taking the key out every time you use the ClearLift™ cover, you prevent unsupervised children from getting to the water.

Can ClearLift™ be added after my swim spa is installed?

Yes. Adding ClearLift™ to a swim spa after its initial installation is possible. However, it's important to note that certain conditions must be met for a successful installation.

Firstly, there needs to be enough clearance available on the side of the swim spa to accommodate the ClearLift™. The specific clearance requirement may vary depending on the dimensions of the ClearLift™ feature.

Secondly, this only applies to the 2024 swim spa models. This means that if you have a different model, retrofitting the ClearLift™ feature onto the swim spa is not possible.

ClearLift™ FAQs

Can ClearLift™ be added to any swim spa?

No, ClearLift™ cannot be added to any swim spa. It is currently compatible only with 2024 Vortex™ Model swim spas.

How is the ClearLift™ actuated?

The ClearLift™ swim spa cover is actuated by a key. Depending on how the positions for opening and closing were set, when the key is turned in one direction, the ClearLift™ swim spa cover opens, providing access to the swim spa. Conversely, when the key is turned in the opposite direction, the cover closes, securely sealing the swim spa.

How much does the ClearLift™ weigh?

The ClearLift™ adds approximately 200kg to the weight of the swim spa. Please see the spec sheet specific to your swim spa for detailed info.

Does the ClearLift™ work with all Spa Controllers?

No, currently the ClearLift™ is only compatible with SpaNet® SV2, SV3, and SV4 swim spa controllers.

Can I open my ClearLift™ when it has snow on it?

No, it is not recommended to open the ClearLift™ when there is snow on it. It is advisable to remove the snow first before operating the ClearLift. This will ensure proper functioning and prevent any potential damage to the cover.

Will ClearLift™ work on inground swim spas?

ClearLift™ is not well-suited for use in an inground swim spa, and it is generally not recommended. This is primarily due to the clearance requirements needed for the movement and stacking of the cover, as well as the need for clearance at the ends of the spa.

ClearLift™ FAQs

What are the electrical requirements for the ClearLift™ system? Can it be connected to the same power as my swim spa?

The ClearLift system can be connected to the power output on the controller of your swim spa. This means that it can be connected to the same power source as your swim spa, as long as the controller has available power outputs.

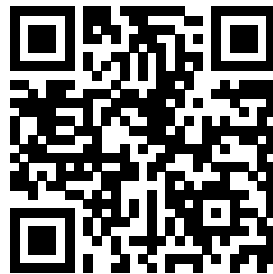
However, it is important to note that if you have ClearLift, the Vortex Audio WiFi Kit, and a heat pump, you will need a duplicate AMP splitter. It is recommended to consult with your consultant to ensure proper installation and power requirements are met for all components.

Is the 60-Day Money Back Guarantee available on the ClearLift™ covers?

The 60-day Money Back Guarantee applies to the ClearLift™ cover as it is considered a part of the swim spa. However, it is important to note that the ClearLift™ cover cannot be returned separately from the spa.

What is the warranty for ClearLift™ and what does it cover?

To learn what the ClearLift™ warranty covers, please scan or click on the QR code:



bit.ly/VXSpasWarranty

ClearLift™ installation video

Clearlift™ is a fully motorised system designed to make it easy to lift your swim spa cover on and off, with the turn of a key!

Please read this guide carefully and view the full installation video before installing your new ClearLift™ cover.

Scan or click the QR code below with your mobile device or by following the link under the QR code.

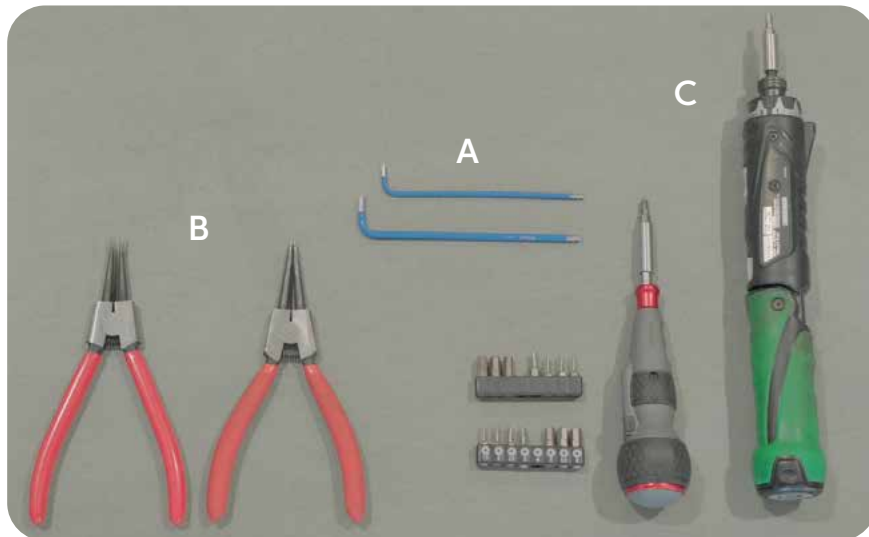


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ClearLift™ Installation

Tools required (Not included)

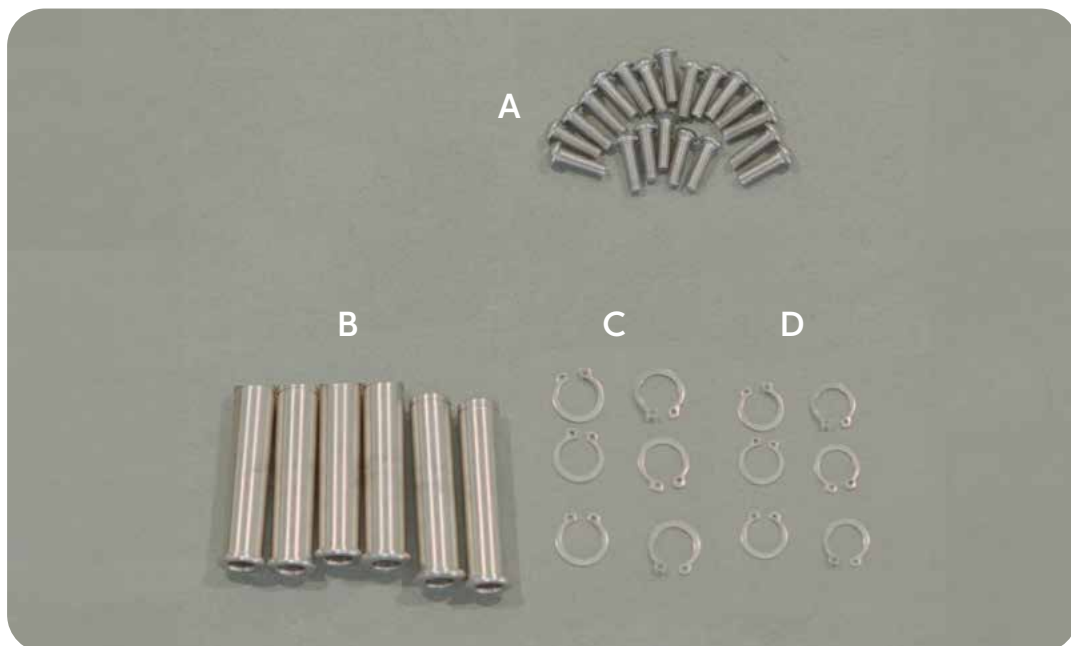
- A. 4mm and 3mm hex bit / Allen keys
- B. External circlip pliers
- C. Electric screw driver
- D. 4 x dollies



ClearLift™ Installation

Included hardware

- A. 32 of M6 x 20 button head hex drive
(Part No# 92095A240)
- B. Cover Hinge pins
(Part No# 201650)
- C. 6 of 30mm circlip
(Part No# 90967A297)
- D. 6 of 25mm circlip
(Part No# 90967A270)



ClearLift™ Installation

Included hardware

These may come pre-installed onto the covers:

- F. Fixed arm pin (Part 201660)
with end cap boss plate (Part 201661)
- G. Slider arm boss pin (Part 201662)
with end cap boss plate (Part 201661)



ClearLift™ Installation

Included parts



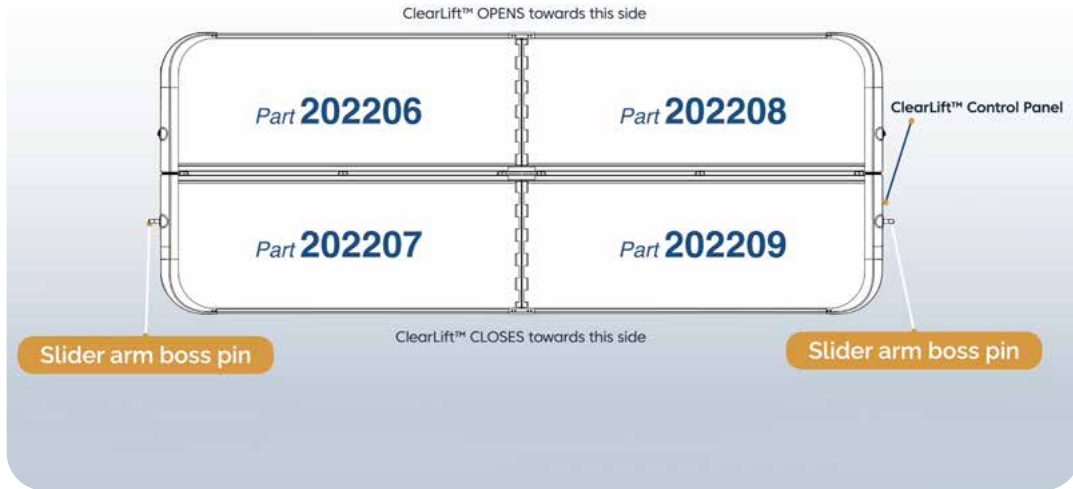
Part 202208, 202206, 202209, 202207



Corner angle view of right mounted ClearLift™

ClearLift™ Installation

Included parts



Right mounted ClearLift™ top view



Fixed Arm (201657)

ClearLift™ Installation

Included parts



Slider Arm (201652)



Tip: *The distance from end caps to hinge end is greater on parts 202207/ 202209 compared with parts 202208/ 202206.*

ClearLift™ Installation

Included parts



Hinge strap (201649)



End cap boss plates (201661) on 202207 & 202206 may come preinstalled

ClearLift™ assembling 202208 & 202206 Quarters

NOTE: *This manual shows cover assembly on the ground, but you can also assemble cover segments in an upright position. We recommend assembling the ClearLift™ cover on a flat level surface. We recommend at least two people for this assembly.*

Parts needed:

- Part 202208
- Part 202206
- 16 of M6 x 20 button head hex drive screw (92095A240)
- Cover Slip

Assembling steps:

Step 1. Place an 202208 quarter & 202206 quarter onto 4 x dollies



ClearLift™ assembling 202208 & 202206 quarters

Step 1. Place the 202206 quarter onto 4 x dollies.



Step 2. Position the quarters parallel to the swim spa with hinge straps facing away from swim spa



ClearLift™ assembling 202208 & 202206 quarters



NOTE: *The surface needs to be free of any sharp material so that the core cover slip is not ripped or punctured during assembly.*

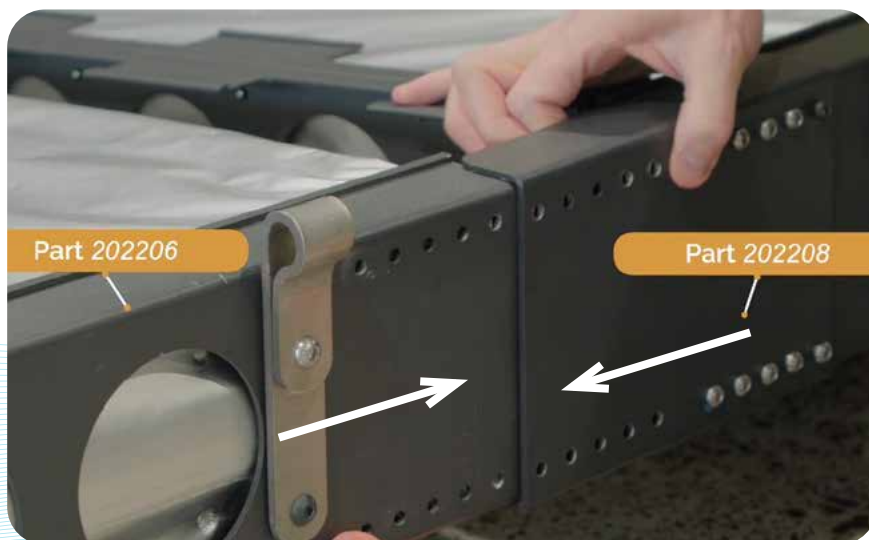
Step 3. Slide Part 202206 into Part 202208 together as shown.



ClearLift™ assembling 202208 & 202206 quarters

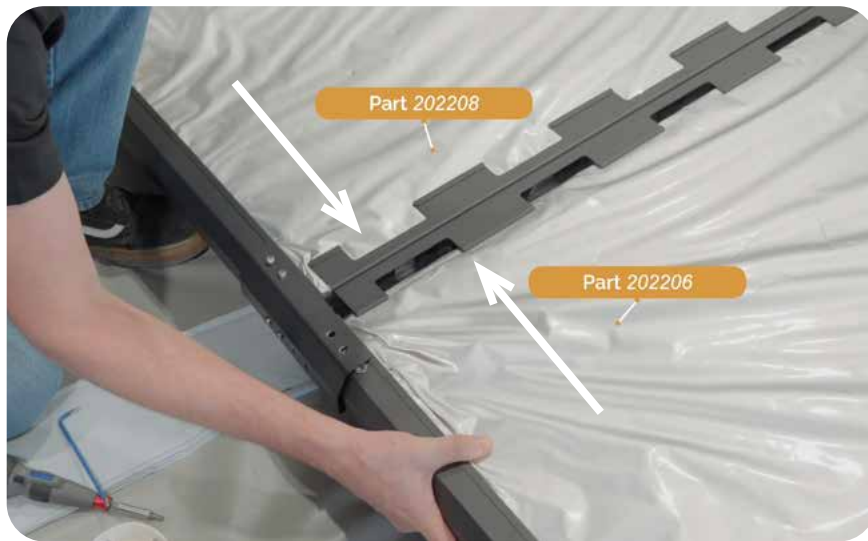


NOTE: *The 202206 quarter fits between two layers on 202208. The screws on the 202208 are loose to make this easier.*



ClearLift™ assembling 202208 & 202206 quarters

Top view. Part 202208 connecting to 202206 quarter.



ClearLift™ assembling 202208 & 202206 quarters

Step 4. Locate M6 x 20 hex drive screws provided (Part 92095A240)



Step 5. Start by screwing in alternative holes with loctite.



ClearLift™ assembling 202208 & 202206 quarters

Avoid fully tightening the screws for now.



Step 6. After adding all the screws, make sure to tighten them, including the ones that were already in place.



ClearLift™ assembling 202208 & 202206 quarters

Step 7. On opposite side of cover add 4 x M6 x 20 hex drive screws (Part 92095A240).
Avoid fully tightening the screws for now.



Step 8. Raise the cover assembly vertically to expose two extra screw holes.



ClearLift™ assembling 202208 & 202206 quarters

Step 9. Add two remaining M6 x 20 hex drive screws
(Part 92095A240)



Step 10. Once screws have been added, tighten all 12 screws.



ClearLift™ assembling 202208 & 202206 quarters

Step 11. Remove four dollies.



Step 12. Lay cover assembly down flat ensuring narrow end points towards cover.



ClearLift™ assembling 202208 & 202206 quarters

Step 13. Position the cover slip on the floor next to the cover assembly, which consists of two inserts. Then, insert the first fully assembled hardcover into the lower cover slip.



Step 14. Place the cover light colour fabric pointing up & opening towards the hinge section & hinge straps.



ClearLift™ assembling 202208 & 202206 quarters



TIP: To identify how to lay out cover slip in the correct way the distance from end caps to hinge end is greater on parts 202207/ 202209 compared to parts 202208/ 202206.

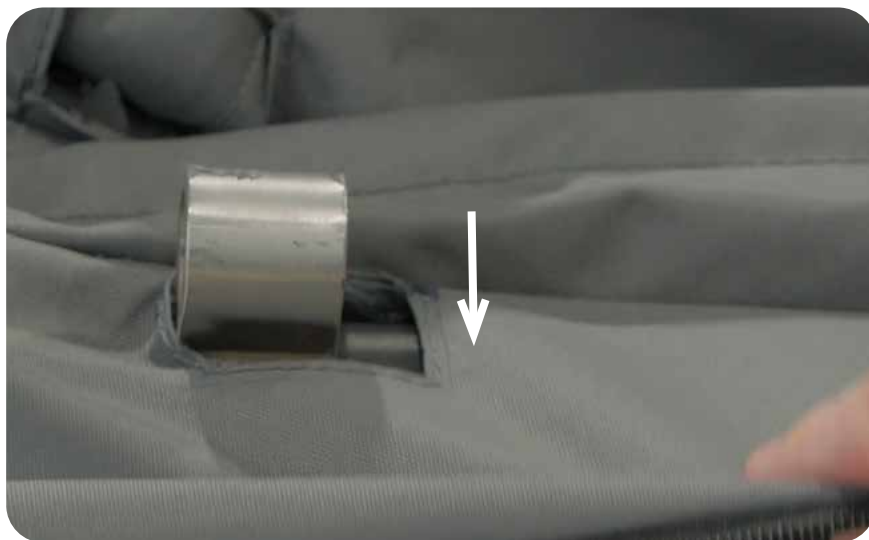


ClearLift™ assembling 202208 & 202206 quarters

Step 15. Place cover assembly on top of swim spa shell.



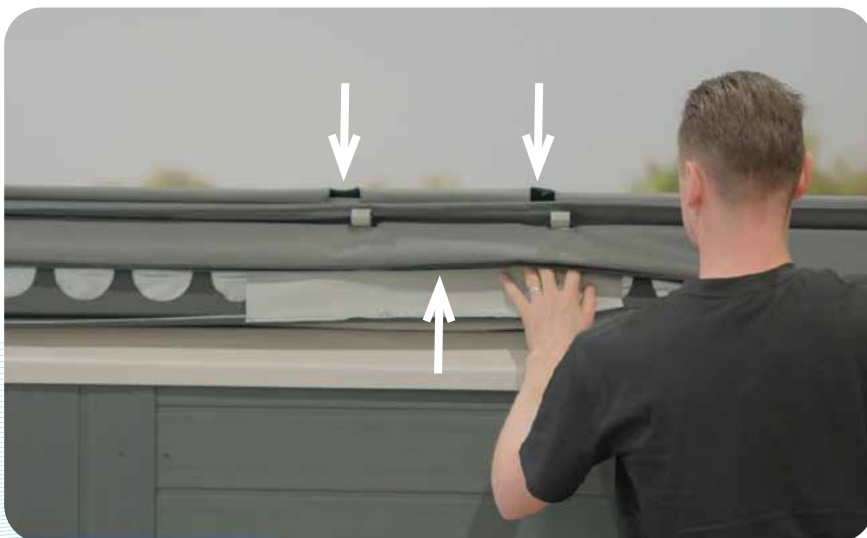
Step 16. Pull cover material over the first hinge strap.



ClearLift™ assembling 202208 & 202206 quarters



Step 18. For the middle section lift up flap, pull over cover over hinge straps.



ClearLift™ assembling 202208 & 202206 quarters



Step 19. Continue zipping up the cover slip until closed.



ClearLift™ assembling 202209 & 202207 quarters

Step 1. Place an 202209 quarter & 202207 quarter onto 4x dollies.



Step 2. Position the quarters parallel to the swim spa with hinge straps facing away from swim spa



* Conditions apply. Specifications may change without notice.

ClearLift™ assembling 202209 & 202207 quarters

Step 3. Slide part 202209 into part 202207 together as shown.



Step 4. Locate M6 x 20 hex drive screws provided (Part 92095A240).
Start by screwing in alternative holes.



ClearLift™ assembling 202209 & 202207 quarters

Step 5. Start by screwing in alternative holes. Avoid fully tightening the screws for now



Step 6. After adding all the screws, make sure to tighten them, including the ones that were already in place.



ClearLift™ assembling 202209 & 202207 quarters

- Step 7.** On opposite side of cover add 4x M6 x 20 hex drive screws (Part 92095A240).
Avoid fully tightening the screws for now



- Step 8.** Raise the cover assembly vertically to expose two extra screw holes.



ClearLift™ assembling 202209 & 202207 quarters

Step 9. Add two remaining M6 x 20 hex drive screws
(Part 92095A240)



Step 10. Once screws have been added, tighten all 12 screws.
Remove the four dollies.



ClearLift™ assembling 202209 & 202207 quarters

Step 11. Prepare the second cover slip with the lighter fabric pointing up and the opening of the cover slip pointing out toward the hinge section and hinge straps.



Step 12. Place the cover in the upper insert ensuring the hinge straps are pointing down.



ClearLift™ assembling 202209 & 202207 quarters

Step 13. Take care not to damage the cover you're holding, by dragging it over the hinge straps on the half that is already on top of the spa.



Step 14. With the zip fully open, identify where the zipper is. This end must be installed first. Push the pin through the hole in the cover slip". The end caps should always be pre-installed at both ends.



ClearLift™ assembling 202209 & 202207 quarters

Step 15. Continue pushing cover assembly into upper insert.



Step 16. Place the cover in the upper insert ensuring the hinge straps are pointing down.



ClearLift™ assembling 202209 & 202207 quarters

Step 17. Carefully zip up the cover, making sure to pull the cover slip material over the hinge straps as you go along.



Attaching hinge pins & circlips

Parts required:

- 6x Cover Hinge Pins (201650)
- 6x 16mm Circlips (90967A270)

Step 1. Insert hinge pin (Part 201650) into two hinge straps.



Step 2. Attach a 16mm circlip to the end of hinge pin (Part 90967A270).



ClearLift™

Attaching hinge pins & circlips

Step 3. Repeat for all 6 hinge straps.



ClearLift™ assembling End cap boss plates

NOTE: *This part should come pre-installed from the factory.
If so, skip to page 69.*

Parts required:

- Fixed arm pin (Part 201660)
- Slider arm boss pin (Part 201662)
- 2 x End cap boss plate (Parts 201661)
- 6 x M5 x 30 screws (Part 95893A263)



ClearLift™ assembling

End caps boss plates



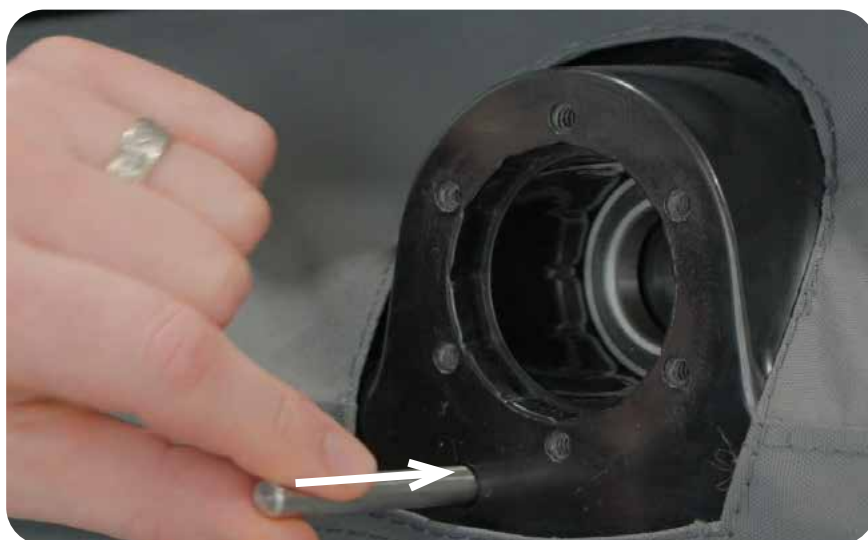
NOTE: *This part should come pre-installed from the factory. If so, skip to ClearLift™ assembly section, Fix arm.*

Step 1. Attaching end cap boss plates on one side only. Opposite end of cover assembly will have end cap boss plates pre-attached.



ClearLift™ assembling End caps boss plates

Step 2. Insert dowel pin into Part 202206 end cap mount.



Step 3. Attach fixed arm pin (Part 201660) and end cap boss plate (Part 201661) into Part 202206 end cap mount, aligning shaft and pin simultaneously.



ClearLift™ assembling End caps boss plates

Step 4. Attach 6x M5 x 30 screws (Part 95893A263). Avoid fully tightening the screws for now.



Step 5. Tighten 6 screws fully.



ClearLift™ assembling End caps boss plates

Step 6. Attach slider arm boss pin (Part 201662) and end cap boss plate (Part 201661) into Part 202207 end cap mount.



Step 7. Attach 6x M5 x 30 screws (Part 95893A263).
Avoid fully tightening the screws for now.



ClearLift™ assembling

End caps boss plates

Step 8. Tighten 6 screws fully.



Step 9. Slide cover assembly to the opposite side of the swim spa as shown so that the hinge straps are in the middle of the swim spa.



ClearLift™ assembling Fixed arm & slider arm

Parts required:

- Fixed arm (Part 201657)
- Slider arm (Part 201652)
- 4 x 30mm circlip (Part 90967A297)



- Locate 2x fixed arm (Part 201657)

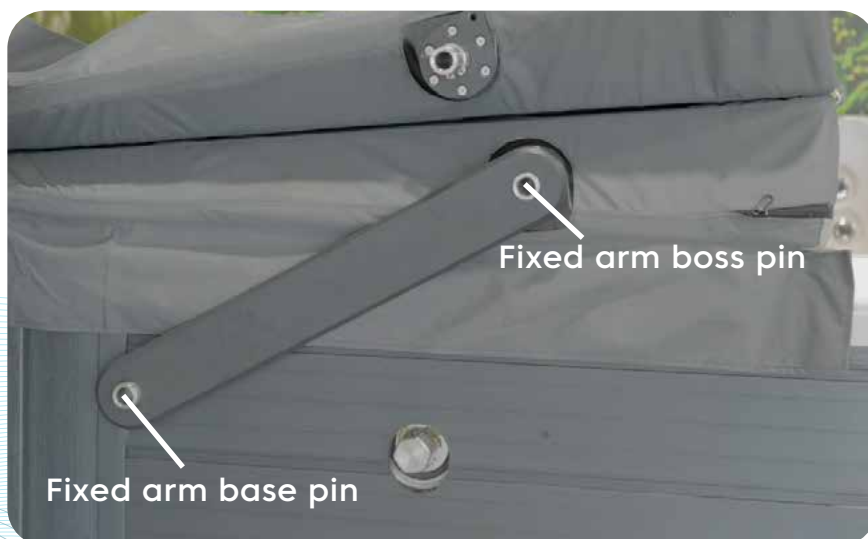


ClearLift™ assembling Fix arm

NOTE: *On the opposite side of the fixed arm there is a curved groove. The groove end attaches onto fixed arm boss pin on cover assembly.*



Step 1. Mount fixed arm onto fixed arm boss pin and fixed arm base pin.



ClearLift™ assembling Fixed arm

Step 2. Install a single circlip onto the third groove of the fixed arm base pin.



Make sure the ring is seated into the groove.



ClearLift™ assembling

Fix arm

Step 3. Install a single circlip onto the groove of fixed arm boss pin.



ClearLift™ assembling Fixed arm

Repeat fixed arm installation steps for opposite side of cover assembly.



Step 1. Install a single circlip onto the third groove of the fixed arm base pin.



ClearLift™ assembling

Fix arm

Step 2. Install a single circlip onto the groove of fixed arm boss pin.



ClearLift™ assembling Fixed arm & slider arm

Step 3. Close cover assembly fully.



Locate 2x Slider Arm (Part 201652).



ClearLift™ assembling Slider arm

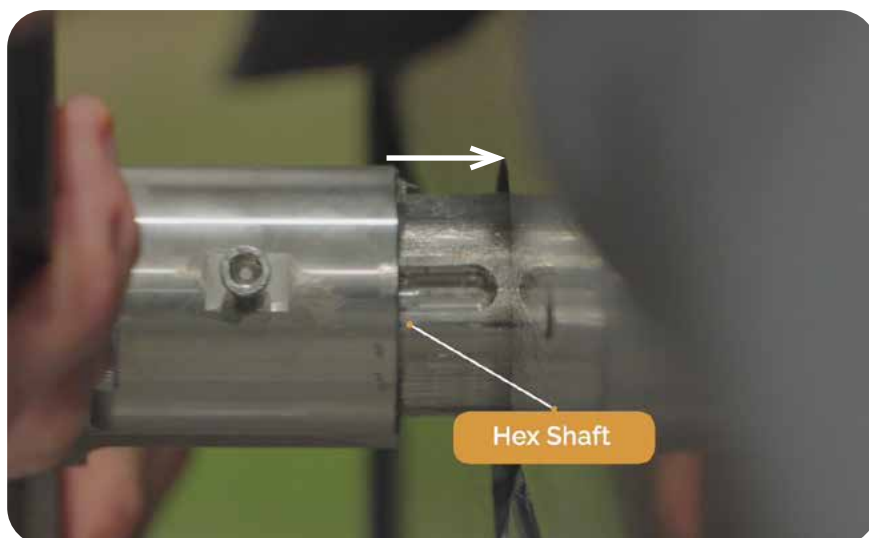


NOTE: *In the upcoming step, it is essential to apply pressure to compress the springs in order to securely attach the slider arm to the slider arm boss pin.*

Step 1. Attach the slider arm to the hex shaft, aligning the allen bolt with the shaft groove.



ClearLift™ assembling Slider arm



Compress slider arm to attach onto slider arm boss pin.
Apply force to fully position the slider arm onto hex shaft

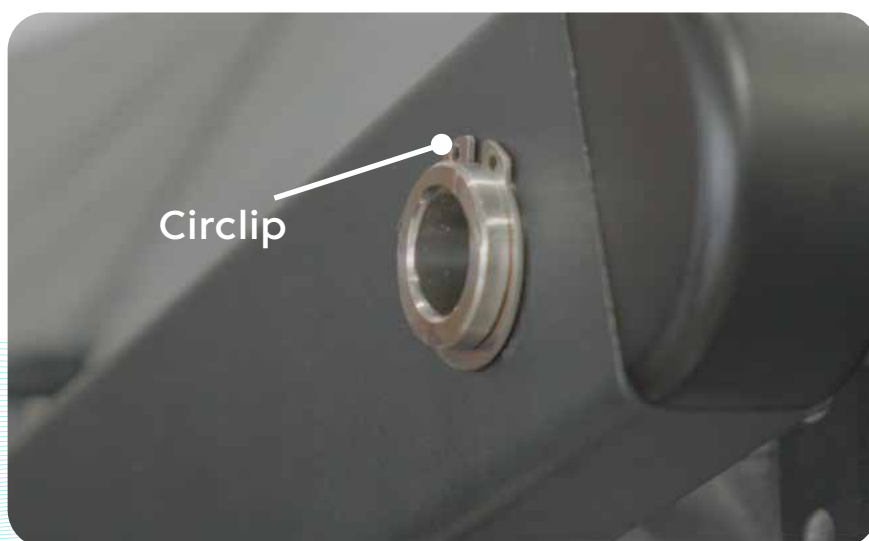


ClearLift™ assembling Slider arm

Step 2. Using a 6mm allen key tighten the M6 x 12 allen bolt.



Step 3. Install a single circlip onto the groove of the slider arm boss pin.



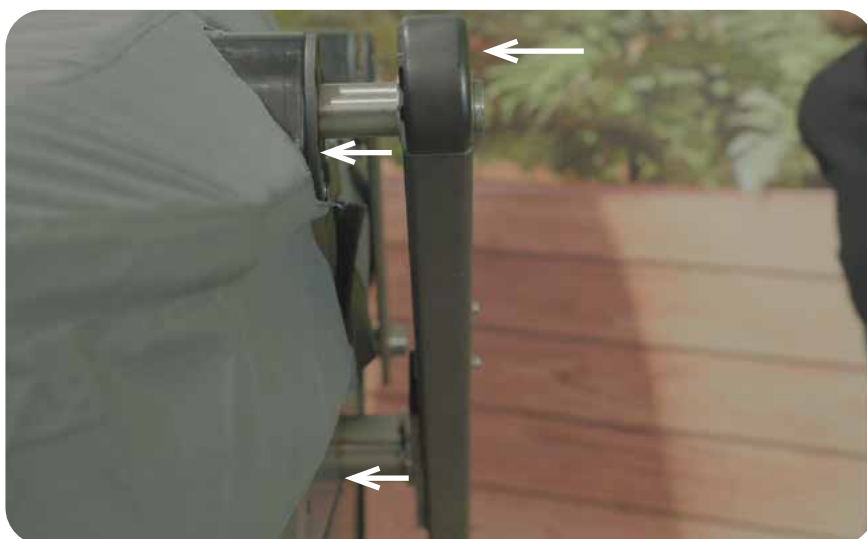
ClearLift™ assembling Slider arm

Right arm assembly completed.



Repeat fixed arm installation steps for opposite side of cover assembly.

Step 1. Attach the slider arm to the hex shaft, aligning the allen bolt with the shaft groove. Compress slider arm to attach onto slider arm boss pin.



ClearLift™ assembling Slider arm

Step 2. Apply force to fully position the slider arm onto hex shaft.



Step 3. Using a 6mm allen key tighten the M6 x 12 allen bolt.



ClearLift™ assembling Slider arm

Step 4. Install a single circlip onto the groove of the slider arm boss pin.

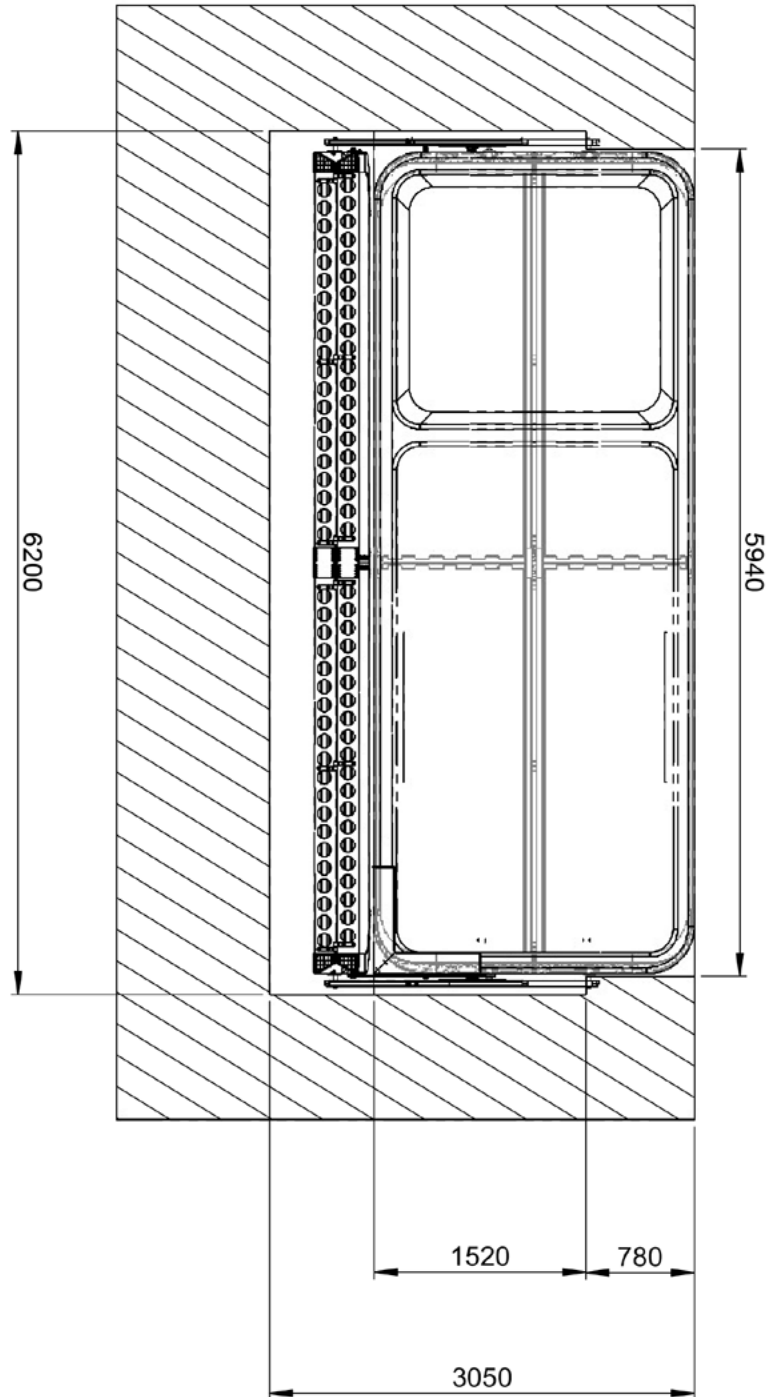


The image shows the left arm assembly complete.



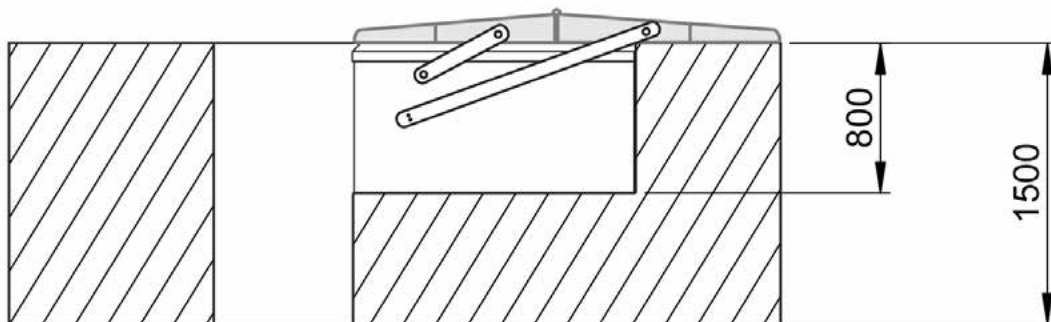
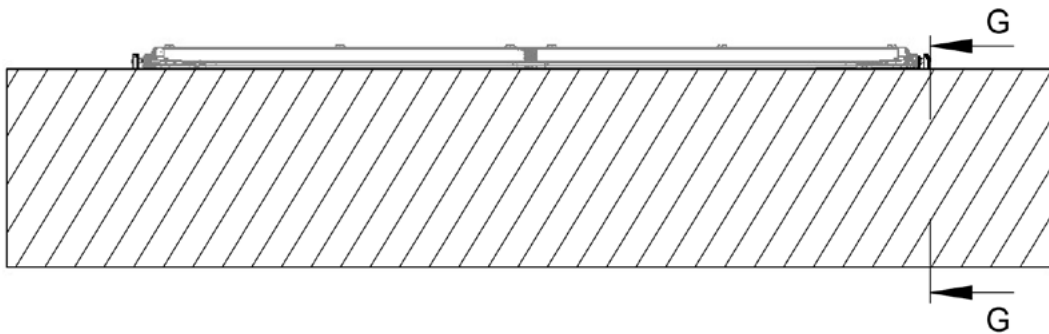
ClearLift™ deck cutout

Top view

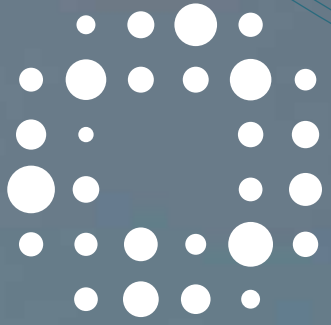


ClearLift™ deck cutout

Side view



SECTION G-G



VortexTM Spas