

Pelican Pool & Spa Hoist



Designed and manufactured in Australia by Para Mobility, and tested in accordance with ASA 3581, the Pelican Pool & Spa Hoist allows a person with any level of disability to have access to both above and below ground spas, swimming & hydrotherapy pools – without any manual lifting. It is suitable for use in public pools, leisure centres, private homes, nursing homes and schools.

The unit can be mobile or fixed permanently at the edge of the pool or spa and is easily installed on the pool deck. Our team work with you to ensure the Pelican Pool and Spa Hoist is made to meet your pool needs.



FEATURES

- TGA approved
- NDIS confirmed
- Easily wheeled from one area to another for multiple use and or storage (mobile unit)
- Manual safety release
- No manual lifting required
- Press button hand switch operation
- Standard lifting capacity 150kgs and 200kg
- Cover included
- Easily installed
- Earthing ability
- Complies with Disability Discrimination Act (Access to Premises – Buildings) under the Building Code of Australia

SEATING OPTIONS

- Floating sling made by Para Mobility
- Floating seat sling
- Solid plastic seat for clients with upper body control
- Pelican Aquatic Wheelchair – designed and manufactured by Para Mobility, a great option as it can be used around the pool area
- Platform lift (Meets Access to Premises Standards 2010 for pools greater than 70m perimeter)

OPTIONAL EXTRAS

- Power rotation – push button operation for independent use
- Bluetooth handset

SPECIFICATIONS

- Safe working load: 150kg and 200kg
- Batteries: Linak – 24v re-chargeable battery
- Rotation: Manual – 360 degrees (power rotation available)
- Total weight: From 70kg
- Floor mounting plate: 450 diameter
- Construction: 316 stainless steel, powder coated colour of choice
- Hand control: Linak – push button
- Installation: Anchored to pool deck with stainless steel anchors and eye bolts
- Manufactured to Australian Standard – AS3581



Freedom to explore



Pelican® Installation & Service Pool & Spa Hoist Installation Guide



EARTHING

As per AS3000 of the wiring rules standards – “In certain circumstances” it may be necessary to have all conductive metal objects equally potentially bonded (earthed), this includes Pool Hoists.

We recommend you seek the advice and opinion of a qualified electrician.

Tools required

- Hammer Drill
- 16mm masonry bit
- Hole Cleaning Pump
- Hole Cleaning Brush (included)
- Cartridge gun – for adhesive
- Adhesive (included)
- Acetone

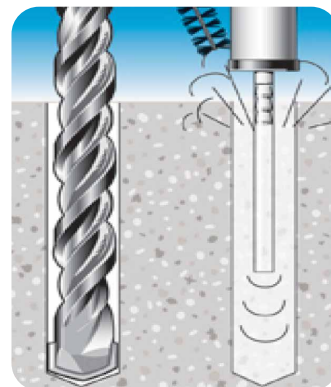
1. **To safely install the Pelican Pool & Spa Hoist** you will need a solid concrete pad to anchor it to. We recommend a minimum 1/3 of cubic metres of concrete is used when pouring your pad. This can be made up as a logical size, for example: 1000 x 1000 x 300 or 650 x 650 x 650. The ideal location is placed up against the pool edge.

It's highly recommended to use a minimum of 25MPa concrete strength.

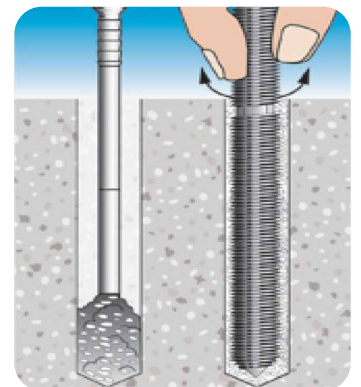
2. **Place hoist in position, ideally around 100 to 500mm from edge of pool** (can be further but check that lifting arm will reach into pool far enough to lower person into water). Check for obstructions when arm of hoist is rotated. Use the hoist base as a template.

3. **IMPORTANT Anchors must be set into the concrete base to a minimum of;**
1500-1700 arm - 100mm
1900-2100 arm - 150mm
If there are tiles or pavers on top of the concrete base, longer anchors will be needed so that the top of the anchor will sit flush with the top of the tiles/pavers and the anchor will still be set into the concrete base as above.

4. **Drill 16mm diameter hole to a minimum of 100mm into concrete substrate.** (Example: 100mm below any tile bed).
5. **Remove dust and debris** by brushing and blowing at least 3 times each (If hole is wet or flooded, remove water with wet/dry vacuum). Hole may be damp but must not be flooded.
6. **Prepare all holes and socket studs** before continuing onto next step.



DRILL
HOLE



BRUSH
& BLOW

INJECT ABRASIVE
& INSERT STUD

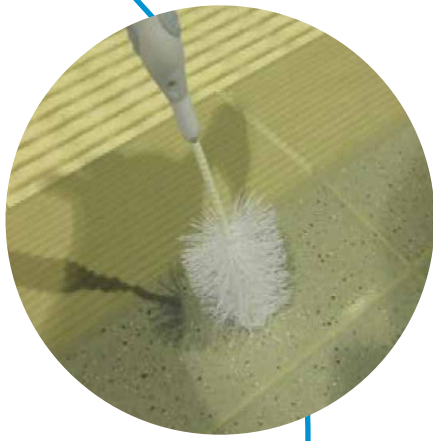
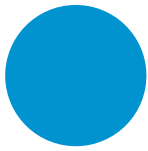


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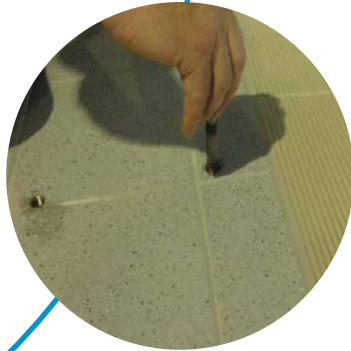
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NB. Tiles can be core drilled (16mm) for a cleaner and neater finish.

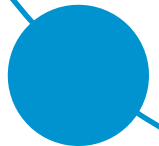


7. **Screw mixing nozzle onto adhesive cartridge** (supplied) and dispense 2-3 trigger pulls of adhesive to waste until colour is grey with no streaks.
8. **Insert tip of nozzle** to bottom of hole and dispense adhesive.
9. **Fill hole** to about 2/3 full.
10. **Insert threaded stud socket**, with M12 threaded socket on top, with a rotating motion to release trapped air. Finish the top of the M12 threaded socket flush with finished floor, making sure that there is no adhesive in the threaded socket.
11. **Wait until adhesive has fully cured before loading** (15-30 minutes).
12. **Clean up** with acetone.
13. **Attach Pelican.**
14. **Test after thirty minutes** once anchors have been set.



CAN WE HELP?

Call us on **1300 444 600** if you have any questions or need added guidance on installation.



Pelican Pool & Spa Hoist User Guide



INSTALLATION AT POOL DECK (MOBILE VERSION)

- Ensure the locking pin is engaged before transporting to stop unit from swivelling.
- Wheel the unit to the pool deck and place the base plate over the anchor points. Ensure the wheels of the hoist are placed facing away from the pool.
- Insert the Eye Bolts into the holes and hand tighten only.
- Unlock the locking pin.

USE OF THE LIFTER

- Always test the lifter by pressing up and down on the hand control before commencing a lift.
- Check safe working load (SWL) of lifter before attempting a lift and make sure the weight of person being lifted complies.
- Using the hand control, raise the lifting arm above the clients head and wheel the chair under the lifting arm, if using a sling refer to sling instructions.
- Gently swing the arm over the water and lower the hoist until the user is safely in the water.

AFTER USE CARE

- Engage the locking pin to prevent the unit from swivelling.
- Wash the Pelican with fresh water (not chlorine).
- Lower arm to the lowest position and put on the cover.
- Remove the Eye Bolts from the base plate and place them in the travel holes.
- Stand behind the wheels and hold the handle, pull the unit back until travel balance is achieved.
- With care, wheel the unit to the storage area.



Locking Pin

Emergency STOP



GETTING STARTED

- **Install the battery** – The Battery should always be removed and replaced into the charger after use. Do not remove the hand control from the lifter as this will disrupt the control box mechanisms. To remove battery use thumb and index/middle finger to push buttons on battery sides and pull out (1 & 2). To mount, grab the battery on sides and steer the battery base over steering pin then push in place (3 & 4).



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Never push on the actuator to rotate the lifting arm. It will damage the lifting mechanism.



Linak Hand Control

BATTERY CARE

- After use, the battery should be placed in the charger to ensure it is fully charged when required.

EMERGENCY STOP

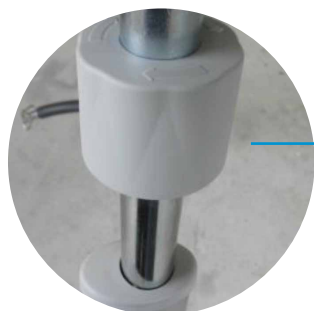
- Push the red button on top of the battery to activate the emergency stop (1).
- To release the emergency stop take off the battery (2 & 3) and replace it back into the unit again (4 & 5).



Always ensure Eye Bolts are in place before using (mobile version)

EMERGENCY MANUAL SAFETY LOWERING OR LIFTING

- In case of an emergency, use the actuator to activate the manual lowering/lifting function. Rotate the grey or red knob on the top of the actuator clockwise to lower the arm of the hoist.



Manual Emergency Lowering



Ensure locking pin is in place before transporting (mobile model)



Pelican® Installation & Service Pool & Spa Hoist Maintenance Guide



The Pelican Pool and Spa Hoist has been manufactured in Australia and built to Australian Standards. It is important to regularly check over your pool hoist and associated products from Para Mobility on a regular basis.

The Pelican Pool and Spa Hoist is manufactured from 316 stainless steel. 316 stainless steel is a corrosion resistant alloy; however, it may display rusting characteristics under certain conditions such as in plant rooms or if the hoist is used in an indoor environment.

Following are some guidelines to assist you in developing a maintenance schedule for your hoist.

- Routinely wipe down all surfaces of the hoist, using fresh water (not chlorinated). This will minimise the potential build-up of corrosion or rust like symptoms such as tea staining.
- In the event the equipment displays stubborn stains or heavy deposit build up, specialised cleaning materials may be needed to remove foreign substances and restore the original finish.
- Always use the supplied cover when not in use.
- If you have a sling or aquatic wheelchair, regularly check the straps and stitching are not frayed or damaged. Ensure the SWL sticker remains on the chair. Check for any damage to the fabric or the frame of the chair.
- It is imperative that servicing is carried out a least annually by Para Mobility Pelican® Installation & Service or one of its qualified service agents.



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HAND CONTROL

Don't submerge handpiece in water for an extended period. **NEVER** take the hand control out of the control box at the bottom of the hoist unless instructed by Pelican® Installation & Service or your distributor. Check the hand control by regularly pressing the button in the up and down motion and before a lift to ensure it is working correctly. Dropping the hand control on the ground, could damage the internal workings, please take care at all times.



Safe Work Load (SWL)

Floating Hand Control



Actuator

Battery & Control Box

ACTUATOR

The actuator lifts the main arm of the hoist. The hoist must never be rotated by pushing on the actuator, this will damage the lifting mechanisms. Check to ensure it remains plugged into the bottom of the control box. It must never be removed from the control box unless instructed by Pelican® Installation & Service or your distributor.

When storing you pool hoist, **DO NOT** store it in a plant room where the hoist is exposed to harsh chemicals, these chemicals could damage some of the inner working of the hoist. The arm of the hoist must be kept down when not in use to minimise chemical build up on the actuator.

SAFE WORK LOAD STICKER

This sticker must remain on the hoist at all times. This is the weight the hoist has been tested to lift. If this needs replacing contact Para Mobility Pelican® Installation & Service.



Pelican Pool & Spa Hoist Cover Install Guide



1. Ensure locking pin is in.



2. Lower arm until lifting hanger just touches the ground.



3. Twist lifting hanger whilst lowering arm.



4. Pull cover over lifting hanger.



5. Pull cover over wheels.



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Pelican Pool & Spa Hoist Power Rotation Cover Install Guide



Ensure Hoist is down before attempting to put the cover on.



Start with putting the cover over the back section first, clipping it over the wheels first to keep it secure.



Custom made cover (optional extra) : Feed the cover over the hoist pulling it over the seat to keep it secure.



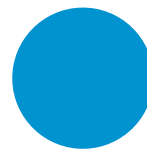
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Pelican Pool & Spa Hoist Battery Care



Battery LED

LED 1 - LED 2 - LED 3	LED state (Not listed = off)	States in normal use
	LED 1 - 3 constantly on	75 - 100% SOC
	LED 1 + 2 constantly on	50 - 75% SOC
	LED 1 constantly on	< 50% SOC
	LED 1 left side, switches from green to yellow and flashes slowly	Two cycles left, buzzer active
	LED 1 - 3 constantly on	90 - 100%
	LED 1 + 2 constantly on LED 3 flashes slowly	65 - 90%
	LED 1 constantly on LED 2 flashes slowly	40 - 65%
	LED 1 flashes slowly	0 - 40%
	LED 1 + 2 + 3 flash slowly	Charging stopped due to low battery temperature, high battery temperature or other error conditions
	No light in LEDs	Charging stopped due to lost communication to battery



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Pelican Pool & Spa Hoist Floating Sling Instructions

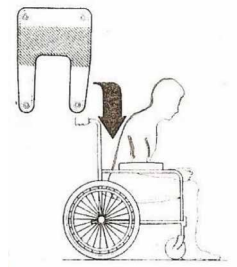
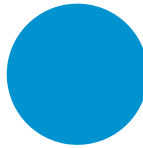


Figure 1

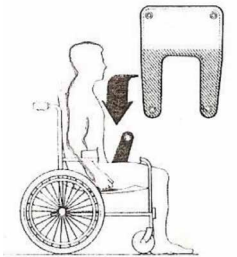


Figure 2

ENTERING THE WATER

1. Using the hand control, raise the Pelican lifter to well above the clients head, wheel the chair under the lifting hanger
2. Slide the sling down behind the back of the client (the grab handle should be at the top, facing you) and tuck the bottom of the sling as low as possible underneath the buttock area (figure 1).
3. Bring the legs of the sling from the outside of the thigh underneath and up between the legs ensuring you tuck the sling leg as high as possible underneath the thigh. Repeat the procedure on the other leg (figure 2)
4. Hook up the leg loops of the sling to the lifting hanger right to left, left to right.
5. Hook up the shoulder loops right to right, left to left. There should now be a total of four loops connected to the lifting hanger
6. Using the hand control, slowly raise the client off their chair and gently rotate the client over the water for lowering. A carer should be in the pool to accept the client if required.
7. Once the client is in the water, release the legs by unhooking the leg sections of the sling from the lifting hanger.
8. The client floats in the sling or floats away with the carer.

EXITING FROM THE WATER

1. Lower the sling to its maximum distance to allow easy access to the sling in the water
2. When the client is seated and the straps are connected correctly, raise the sling using the hand control above the pool deck and pull the arm of the lifter into the safe landing area and lower the client onto their chair for exiting.
3. When finished, lower the arm to its lowest position and install the travel pin to lock any movement.
4. Remove the battery and replace into charger.

WARNING

- Ensure that there are no obstacles in the path of the client being lifted.
- Check that arms and legs are clear of obstructions. Failure to do so may cause injury.



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Pelican Pool & Spa Hoist Wheelchair Instructions



ENTERING THE WATER

1. Place the client into the Pelican Wheelchair in the change room or desired location and wheel the chair to the pool hoist.
2. Unlock the lifter travel pin on the pool hoist.
3. Using the hand control, raise the hoist to above the client's head and wheel the chair under the lifting hanger.
4. Attach the chair straps to the lifting hanger.
5. Using the hand control slowly raise the chair off the pool deck and gently swing it over the water for lowering. A carer should be in the pool to accept the person if required.
6. The client floats or walks off the chair.
7. Send the chair back to the pool deck if required.

EXITING FROM THE WATER

1. Lower the chair to its maximum distance to allow easy access to the chair in the water
2. When the client is seated correctly, raise the chair to slightly above the pool deck and pull the arm into the safe landing area and lower just enough to land the chair for alighting, then disconnect the straps. Wheel the chair to the change room.
3. When finished, lower the arm on the pool hoist to its lowest position and install the travel pin to lock the movement. Remove the battery to the charger.

NOTE

- Always lift the wheelchair arms in a vertical motion (as pictured).



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Pelican Pool & Spa Hoist Solid Seat Instructions

Ensure locking pin is engaged



BEFORE MOVING HOIST TO POOL DECK (MOBILE VERSION)

1. Install the battery. On receipt of your hoist the battery will be charged and ready to go.
2. **NEVER** remove the hand control or the control box from the hoist.
3. For models with a battery cover, leave on the control box when not in use.

INSTALLATION AT POOL DECK (MOBILE VERSION)

1. Wheel the hoist to the pool deck and place the base plate of the hoist over the anchor points which have been inserted into the pool deck.
2. Insert the Eye Bolts into the holes and hand tighten only.

OPERATING THE POOL HOIST

1. **Always** test the operation of the hoist by using the hand control, test the up and down and side to side operation before commencing a lift with a client.
2. Lift the arm rest of the seat in a horizontal motion. Once the client has transferred onto the seat commence the lift.
3. Using the hand control, raise the lifting arm high enough for the client's feet to be off the ground.

4. Using the hand control, manoeuvre the chair over the water, to the landing zone and lower.
5. **NEVER** push the hoist via the actuator to swing over the pool/spa, this will damage the hoist.

BATTERY CARE

1. A battery charger is supplied and should be placed on a wall near a 240v power point in a weather / vandal proof area.
2. After use, the battery should be placed on the charger to ensure it is fully charged when required next.

SAFETY AND CARE

1. Push the red button to activate the emergency stop. To release the emergency stop take off the battery and replace it back into the unit again.
2. In case of an emergency activate the manual lowering function of the actuator (see user guide). Rotate the grey or red knob on the top of the actuator clockwise to lower the arm of the hoist.

TROUBLE SHOOTING

Hoist won't work?

- Check the emergency stop button is not activated.
- Check the battery is charged.
- Check the battery is installed correctly.
- Check the hand control hasn't been damaged.
- Check for any corrosion on the terminals of the battery and the control box.
- Call Para Mobility Pelican® Installation & Service or your supplier if you have any questions or concerns.



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