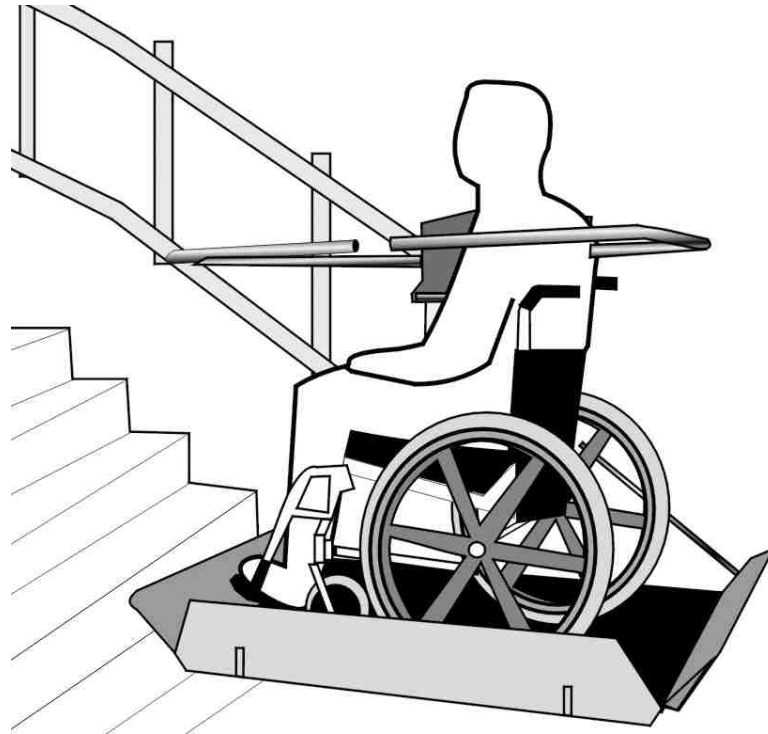


GSL ARTIRA

Inclined Platform Lift

for straight and turning stairways

Owner's Manual



The Garaventa GSL ARTIRA

Congratulations on the purchase of your new Garaventa GSL Artira inclined platform lift. This manual describes the many features of the Artira, how to operate it properly and how to perform simple safety and maintenance checks. Please make sure that you read this Manual before operating the lift.

The serial number will be required when discussing service issues with the local Garaventa dealer or Garaventa factory technicians. Please make a note of the serial number in this Manual. It is printed on a label on the inside of the drive box or control box. Also, please record the date on which your Artira was installed. This is important for warranty reference.

Lift Serial Number: _____

Date of Installation: _____

Your GSL Artira has been designed to provide years of reliable performance. However, it will require maintenance and service. Your Garaventa dealer is knowledgeable about the maintenance and service requirements of your lift. Please make note below for future contact.

Local Authorized Garaventa Dealer:

Name: _____

Address: _____

Telephone: _____

If you have any questions consult your local dealer, or contact Garaventa Technical Support by phoning 800-663-6556 or 604-594-0422, fax us at 604-594-9915, email us at productinfo@garaventalift.com, or write to us at:

In Canada: Garaventa Lift
7505-134A St.
Surrey, BC
V3W 7B3

In USA: Garaventa Lift
PO Box 1769
Blaine, WA
98231-1769

Table of Contents

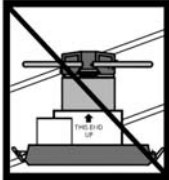
1.	Safety Warnings	1
2.	Component Identification	3
3.	Basic Operating Instructions	4
4.	Standard Safety Features	7
5.	Emergency Operations	11
6.	Basic Trouble-Shooting	15
7.	Preventive Maintenance.....	16
8.	Warranty & Extended Warranty Information	17
9.	Specifications	18
10.	Options - Description & Operating Instructions	19
11.	Restarting Lift After Hand Cranking	27

1 Safety First!



The warning symbol to the left is used throughout this Owner's Manual to draw your attention to procedures that must be followed to avoid possible danger and injury.

The following procedures are very important to ensure the safe operation of your Garaventa GSL Artira.



1. Do Not Transport Freight

- The lift must never be used for anything but its intended use.
- Do not use the lift to transport goods or freight.



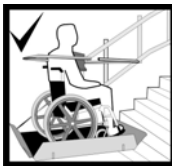
2. Do Not Stand on Platform

- If you are not using a wheelchair or scooter and want to use the lift, use the optional fold-down seat for ambulatory passengers.
- Never stand on the platform while it is moving. Passenger must remain seated at all times.



3. Do Not Place Hands Behind Platform

- Do not place hands or fingers behind platform.
- Do not touch any moving parts.



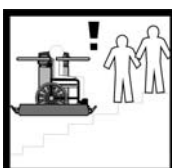
4. Passenger Must Always Face Direction of Travel

- For proper viewing of the stairway the passenger must always face in the direction of travel. This is essential when travelling downward.



5. Do Not Overload the Lift

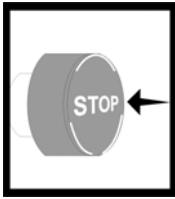
- Rated load is 550 lbs (250 kgs). Do not exceed this limit.
- Only one passenger may ride on the platform. An attendant must walk beside the platform and use the pendant control.



6. Prevent Pedestrian Contact With Moving Platform

- Use caution when operating the lift to prevent accidental contact between stairway pedestrians and moving platform.

1 Safety First!



7. Emergency Stop

- The GSL Artira is equipped with a red emergency stop button on the platform and on the pendant control. To stop the lift in an emergency, press either stop button.
- Stop buttons may also be located on the call stations (optional)

8. Do Not Tamper With Safety Features

- The GSL Artira is equipped with many advanced safety features. Some of these are:

Obstruction sensing edges and underplatform area
Touch-sensitive components, such as safety arms
Automatic slowing in corners and at landings



- Do not override or tamper with these or other safety features.
- Do not attempt electrical or mechanical repairs yourself. Contact your Garaventa dealer when service is required.

9. Operate and Maintain the Lift Regularly

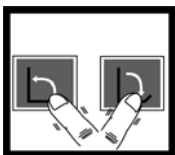


- Operate the lift on a regular basis and check that everything is working normally.
- Routine preventive maintenance will ensure the lift is running properly and help avoid expensive breakdowns and repairs.



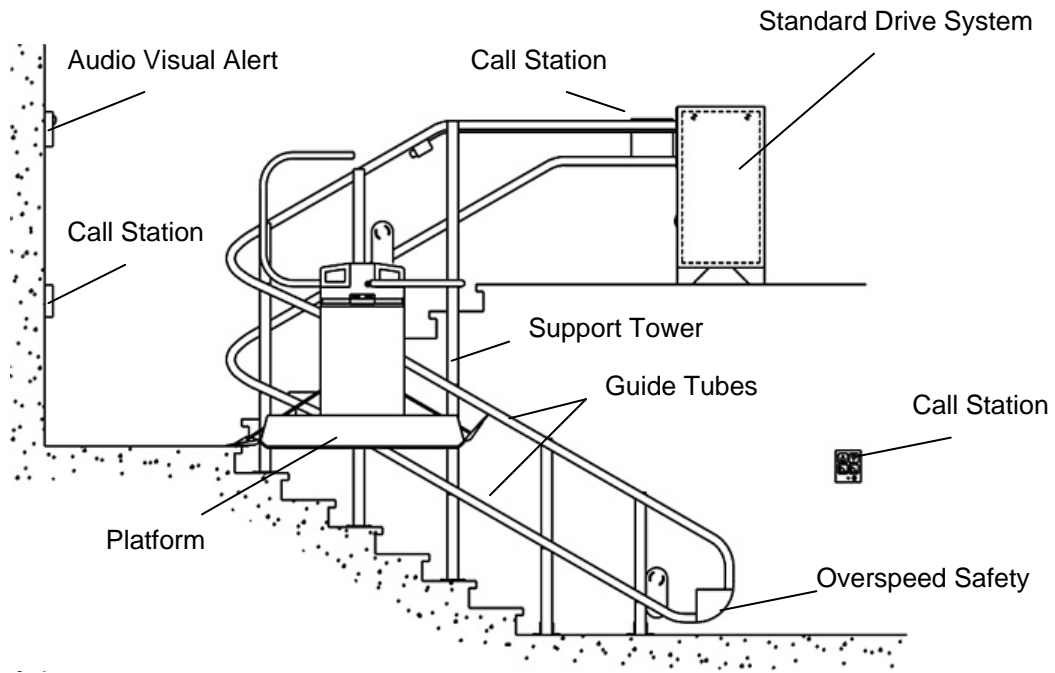
- Do not operate the lift if it has been damaged. If you hear unusual noises or feel vibrations, contact your Garaventa dealer immediately.
- Follow any recommendations of local elevator safety authorities that inspect the lift for potential safety issues.

10. Operating Electrically Folded Components

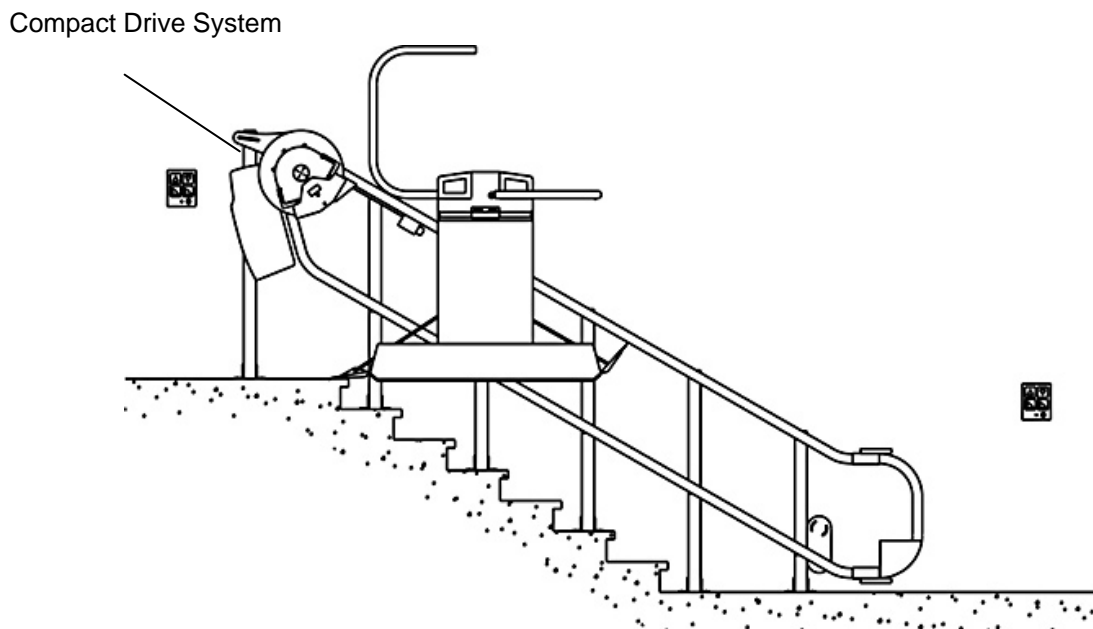


- Any fold or unfold function may be reversed by pressing the opposite button once.
- Circuit overload sensors protect all fold functions. If they detect an obstruction they will automatically stop folding. Remove the obstacle and restart the fold function.

2 Component Identification



Standard Drive System

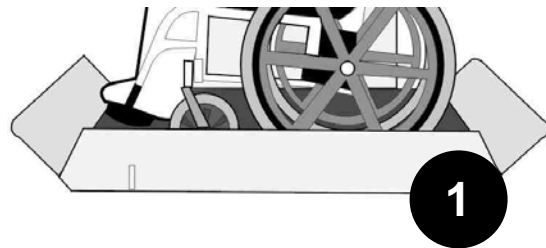


Compact Drive System

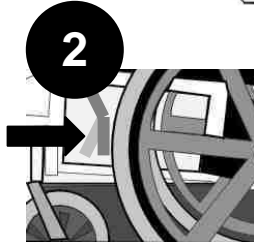
3 Basic Operating Instructions

Operating the Platform

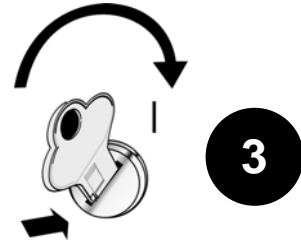
1. Board platform and center wheelchair on platform deck. Ensure the wheelchair and footrests are not near the ramps or edge of the platform.



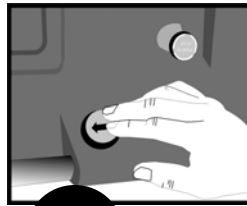
2. Set wheelchair brakes and turn off power wheelchairs or scooters.



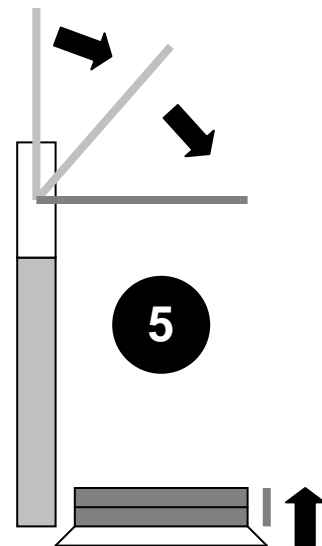
3. Insert key and turn on platform controls. If keyless, proceed to Step 4.



4. Press and hold the round, green illuminated directional button.



5. The arm(s) and ramp(s) will close and the platform will begin to travel in the selected direction.

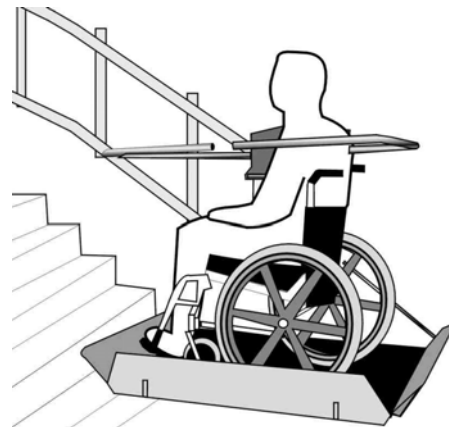


6. Continue to hold the directional button until you reach your landing.



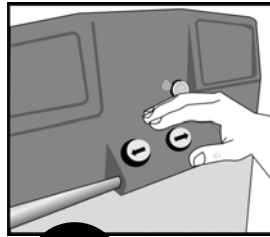
Note: The platform slows prior to corners and when approaching landings.

Note: The platform stops momentarily for 2 seconds at all intermediate landings.



3 Basic Operating Instructions

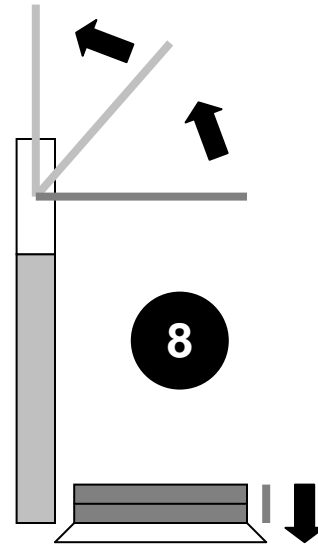
- 7. Release the directional button when you arrive at the desired landing.



7

Note: The platform may continue to automatically travel a very short distance to its correct position for ramp opening.

- 8. The ramp(s) and safety arm(s) will automatically open when the directional button is released.



8

- 9. Turn off the platform controls and remove the key. If keyless, proceed to Step 10.



9

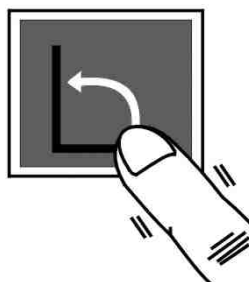
- 10. Exit the platform

10



1. Fold Up Platform

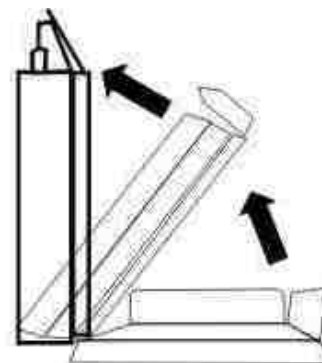
Go to call station. Press and release the illuminated platform fold button.



1

NOTE: No key is required to activate the call station for the platform fold function

- 2. Platform, arm(s) and ramp(s) will fold automatically.



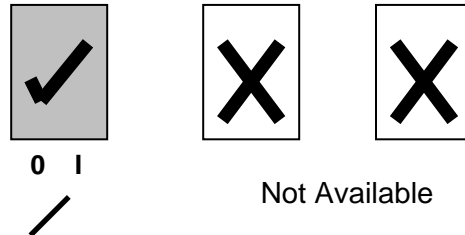
2

4 Standard Safety Features

The Garaventa GSL Artira is designed for the rigors of commercial duty operation, including compliance with virtually all applicable safety codes and standards throughout the world. This means that the GSL Artira is fitted with many sophisticated safety features as standard equipment. These safety features are designed to enhance safety for both the lift passenger and stairway pedestrians.

Call Station Priority

The first call station activated with a key will maintain priority until turned off with the key. Other call stations will not turn on, illuminate or operate until the activated call station is turned off or the call station “times out” after about 2 minutes of non-use.



Platform Priority

The platform always has priority over call stations when it is folded open and away from the landing. Call stations will not illuminate or function when the platform is in this position. The platform will not “time out” like the call stations.

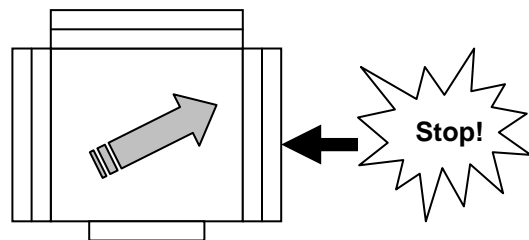
Platform Ramp Sensing

The leading edge ramp is pressure sensitive. The platform stops immediately when it encounters an obstruction. The platform can then be backed away from obstruction.

The call station direction button being used will flash when the ramp hits an obstruction. Upon release of this button the opposite direction button will then illuminate.

Pushing the illuminated button will move the platform back away from the obstruction. The obstruction can then be removed.

Trailing ramp (opposite end of platform) is not pressure sensitive. It becomes sensitive when the travel direction of the platform is reversed.



4 Standard Safety Features

Platform Ramp Sensing

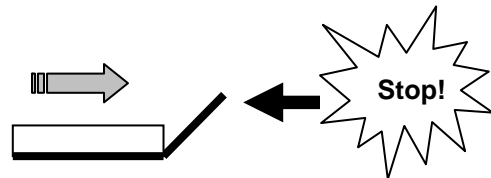
(platform folded open)

The leading edge ramp is pressure sensitive. The platform stops when it encounters an obstruction. It can then be backed away from the obstruction.

The platform direction button being used will flash when the ramp hits an obstruction. Upon release of this button the opposite direction button will then illuminate.

Pushing the illuminated button will move the platform back away from the obstruction. The obstruction can then be removed.

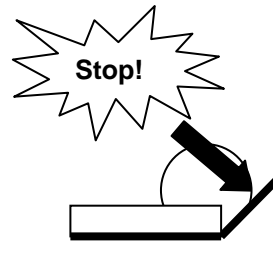
Trailing ramp (opposite end of platform) is not pressure sensitive. It becomes sensitive when the travel direction of the platform is reversed.



Bi-Directional Ramp Sensing

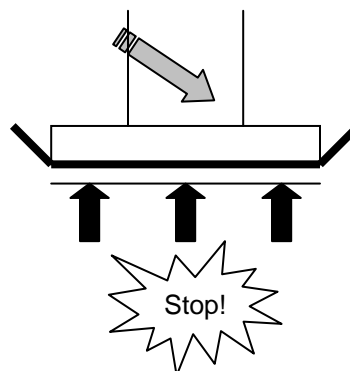
This feature ensures the wheelchair is centered and is not pushed against leading ramp, jeopardizing ramp sensing function.

If the passenger puts pressure on the front ramp (leading edge of travel), from inside platform, the lift will behave the same as if the platform has encountered an obstruction (see above).



Under-Platform Obstruction Sensing

If the platform descends onto an obstruction, the lift will behave the same as if the platform ramp has encountered an obstruction (see above).

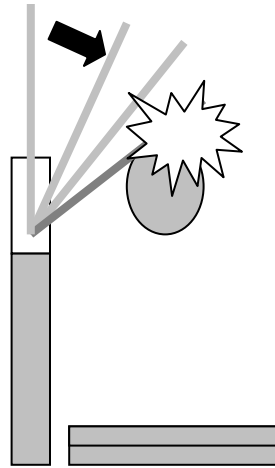


4 Standard Safety Features

Safety Arm Passenger Sensing

If a moving safety arm encounters an obstruction, the arm stops. No further pressure is exerted. The arm will retract automatically when the passenger releases the green direction button.

When fully retracted the appropriate direction light will glow steadily indicating the passenger should adjust position on the platform and try again.

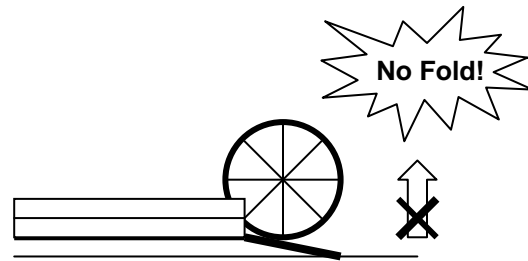


Boarding Ramp Overload Sensing

The ramps are mechanically connected to the safety arms and are electronically protected in same way.

The ramps and arms will not fold closed if the wheelchair is still on the ramp. The obstructed ramp and connected safety arm will retract as described above.

Reposition the wheelchair and try again.

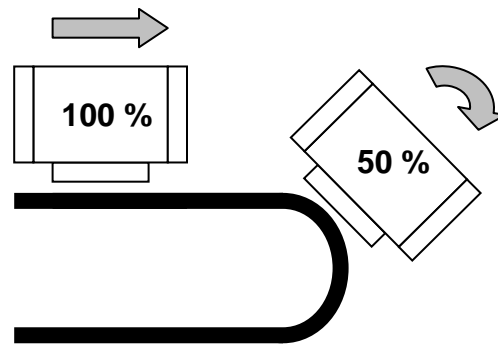


Slowing in Corners and Landings

The locations of all corners and landings are programmed into the lift controller.

The platform will slow to 30% of normal travel speed well in advance of corners and does not resume full speed until the platform is back on a straight section.

The platform will also slow when approaching and departing landings.



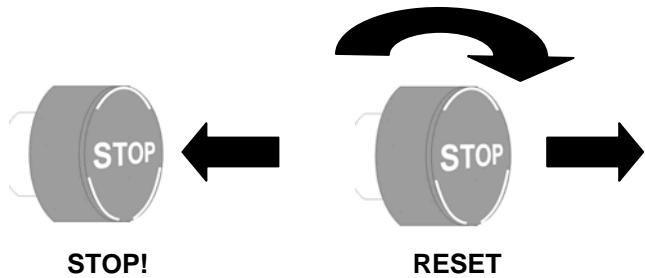
4 Standard Safety Features

Emergency Stop Button

The stop button overrides all other controls and brings the lift to an immediate stop.

In some cases it may also activate an alarm (optional).

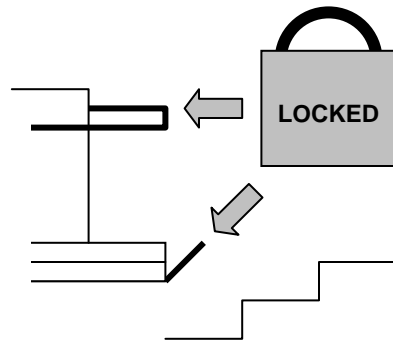
Once pushed, turn the button clockwise to reset.



Locking Ramps and Safety Arms

The mechanical lock system ensures the arms and ramps stay securely locked during travel, even in the event of an electronic failure.

A cam on the guide rails unlocks the arms and ramps as the platform enters a landing. When the platform departs the landing they are re-locked.

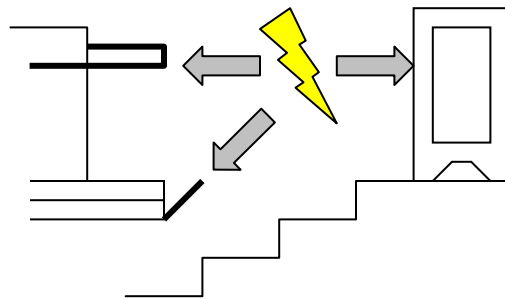


Ramps and Safety Arms Electrically Interlocked with Drive System

This safety feature ensures the arms and ramps are fully closed before the lift starts moving.

The positions of the arms and ramps are electrically supervised through a special safety circuit connected to the drive.

The lift will not operate if any arms or ramps are not in their proper closed and locked position.



*Platform Overload Sensing (EU Models only)

If the rated platform capacity is exceeded by 75kg's the lift will not operate. Platform must be exited and then reloaded to reset normal operation.

5 Emergency Operations

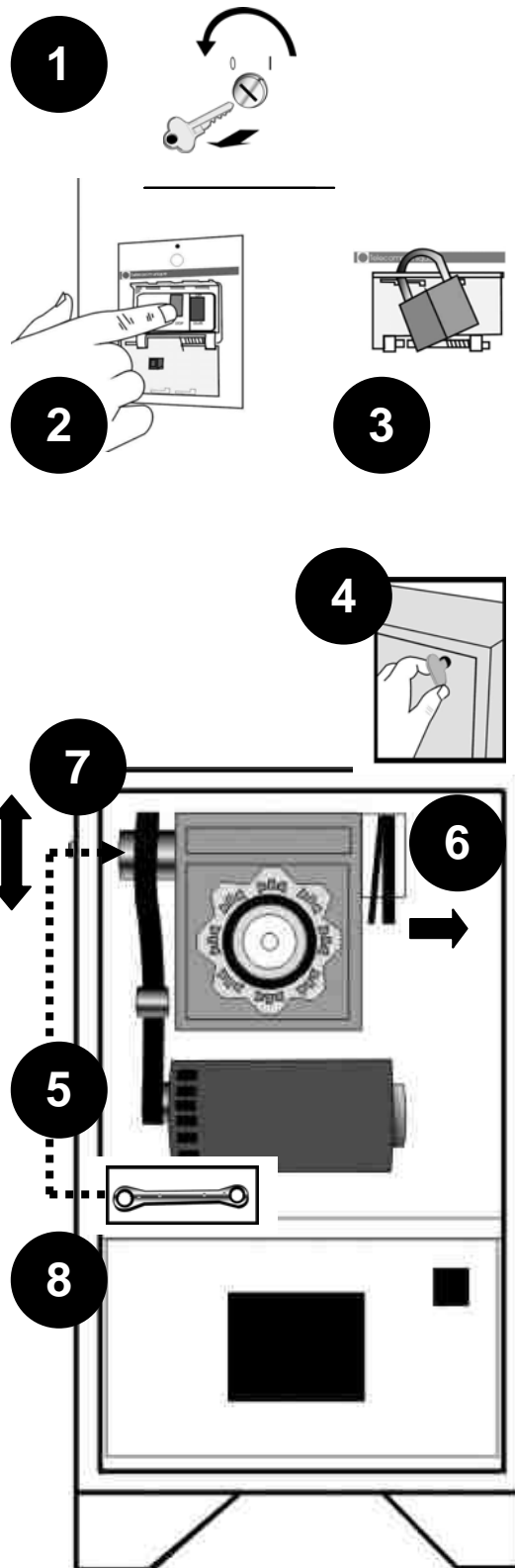
Hand-Cranking Platform with Standard Drive

1. Turn off key switch on platform, if equipped, and remove key.
2. Turn off the main power switch on the right side of the drive box -
3. Lock the main power switch in the off position using a padlock.
4. Open the drive box - use special drive box security key to release both locks at top of cover - rotate counter-clockwise - lift cover and remove

Note: The drive box cover is electrically interlocked. The lift will not operate when the cover is removed.

5. Remove ratchet wrench from storage position in drive box and position on nut on large pulley at top of drive box.
6. Release brake on motor by pulling brake release handle out towards side of drive box.
7. Crank wrench to move lift in desired direction of travel until at landing. Down is easier. If you encounter resistance, especially going down, the overspeed brake may have set. In this case, crank in the up direction only.
8. Remove wrench from pulley nut and replace in storage clips.
9. Open passenger restraining arm and lower ramp - then assist passenger to exit - follow procedures below.

If ramp does not open when arm is raised, ensure platform is in proper landing position - black plastic plunger on back of hanger must be positioned in middle of landing cam (pushed in).



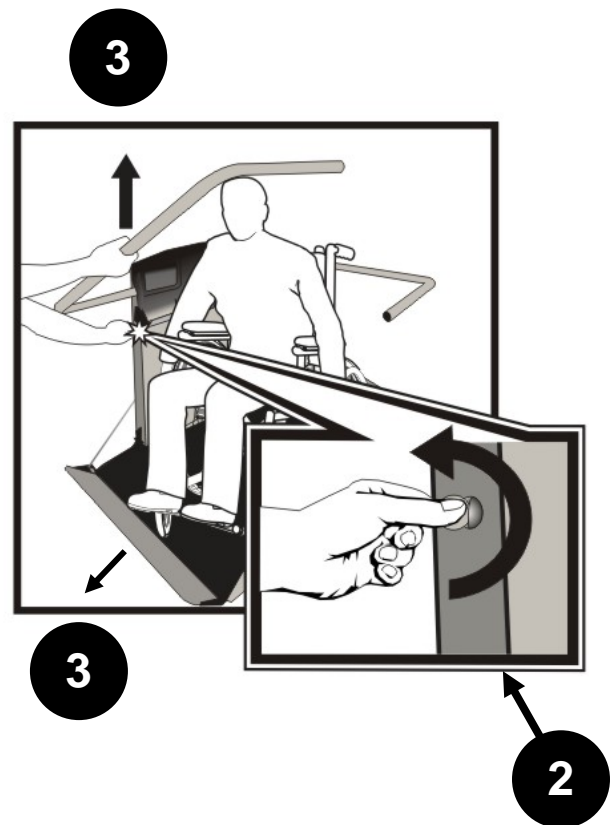
5 Emergency Operations

10. Fold platform manually to keep stairway clear - follow procedures below.
11. Replace drive box cover and secure cover locks.
12. Lock main power switch in off position if not done already.

SAFETY WARNING: Once the lift has been hand cranked with the power off it requires a special restart procedure to restore the electronic control system settings. See Section 11. Do not operate the lift until the correct restart procedure has been performed.

Emergency Opening of Passenger Safety Arms

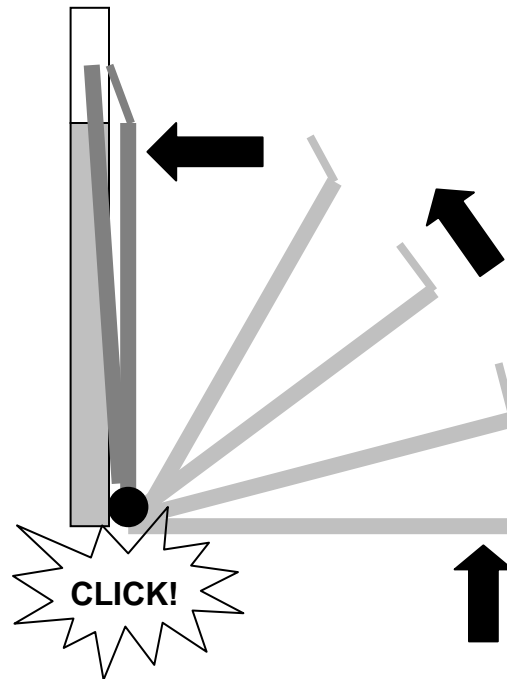
1. Move platform to landing using hand cranking - see procedure above.
2. Locate the two round slotted emergency release screw heads on the side of platform hanger - each screw releases adjacent safety arm and ramp.
3. Turn screw and lift up on adjacent safety arm - ramp will lower at same time - arm will stay open. Be sure to hold the arm up so it does not fall on the passenger.
4. Assist passenger to exit platform.
5. Manually lower the raised arm back to its horizontal guarding position.
6. Manually fold the platform following the procedure on the next page.



5 Emergency Operations

Emergency Folding of Platform

1. Fold the platform deck manually by lifting underneath the outside edge of the platform. You will feel some resistance. The arms will fold down unless the platform is at a landing. In this case the arm will stay up.
2. Continue to lift the platform deck until it is up in the vertical position as far as it will go. The arms will fold down at the same time.
3. The platform deck will stay in this folded position. It will lock in this position if equipped with a Platform Security Lock.
4. To return the platform deck its normal open position, fold it open and gently push it down. It will go to about 15° from horizontal. Assuming you are at a landing, press the FOLD UP button on the call station, This will re-engage the clutch. It should CLICK when it re-engages.
5. If the platform is not at a landing, you will need to hold the deck fully down until the green directional buttons illuminate. Then drive it to a landing and follow the above instructions.



Manual Release of Platform Security Lock

If the platform is equipped with a Security Lock, it will latch automatically when the platform is manually folded. To release the lock, insert a small diameter tool (about 3 mm or 1/8 inch) such as an Allen Key or small screwdriver into the hole in the center of the sensing plate on the bottom of the platform. Insert it angled slightly to the right, then move it to the left. This will release the lock and allow the platform to open.

Restarting Lift After Emergency Hand Cranking

SAFETY WARNING: When the platform is hand cranked with the power off the electronic positioning system temporarily loses track of the platform location. This information is critical for the safe operation of the lift. To restore the lift control system after hand cranking follow the procedure explained in Section 11 of this Manual.

5 Emergency Operations

Hand Cranking Platform with Optional Compact Drive

1. Turn off key switch on platform, if equipped, and remove key.
2. Open the drive control box - use special drive box security key to release the lock - rotate counter-clockwise.
3. Turn off the power to the lift by pushing the red off button on the main power switch inside the box.

SAFETY WARNING: Live electrical parts inside box. Touch only the red and black buttons.

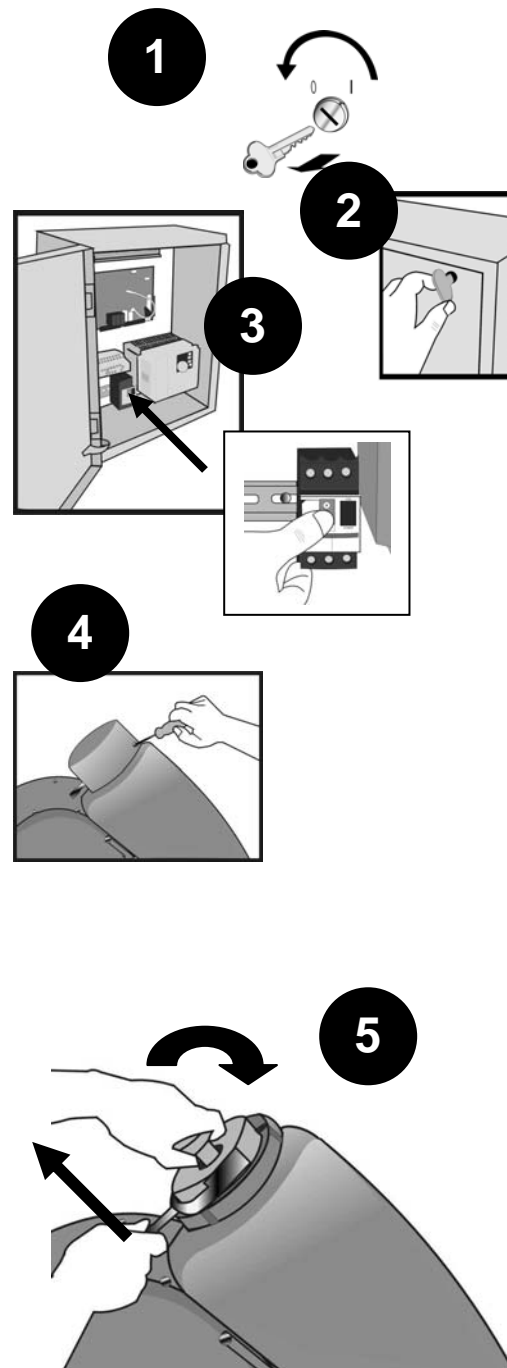
Close and re-lock the drive control box door.

4. Remove the Phillips head screws holding the hand wheel access cap onto the drive cover.
5. Release the brake on motor by pulling out on the brake release handle.

Turn the hand wheel to move lift in the desired direction of travel until at landing. Down is easier. If you encounter resistance, especially going down, the overspeed brake may have set. In this case, crank in the up direction only.

Cranking may be made easier by inserting a ½ inch (12 mm) drive ratchet handle into the socket in the center of the hand wheel.

6. Open passenger restraining arm and lower ramp - then assist passenger to exit. Follow the procedures Numbers 9 to 12 on Pages 11 and 12 for Hand Cranking Platform with Standard Drive.



6 Basic Trouble Shooting

If your GSL Artira does not operate, please check the following:

Confirm that the mains power is turned on at the breaker panel source.

Confirm that the main disconnect switch on the side of the drive box or inside of the compact drive electrical control box is turned on (black button pushed in and red button out).

Confirm that the platform and call station (optional) emergency stop buttons are pulled out to their normal operating positions.

Confirm that the key switch is turned on at the call station or platform, if so equipped. If there is no key switch, simply touch the any call station button to activate it, then touch the button for the function you want.

If trying to call or send the platform, note that the platform can only be called or sent when completely folded. This is for safety reasons.

Confirm that both drive box covers are in place and locked. The covers are electrically interlocked. The lift will not run if a drive box cover is removed.

Confirm that the lift has not been manually folded. This will be obvious because the safety arms will be pointed up to the ceiling instead of folded inside the platform. Note, if the platform has been hand cranked from the position on the guide rails where it originally stopped, you will need to follow the procedure for Restarting After Hand Cranking found in Section 11.

If you are still unable to operate the lift please contact your local Garaventa authorized representative or Garaventa Lift for assistance.

7 Preventive Maintenance

Routine checks and preventive maintenance are essential to keep your GSL Artira in proper working order. This is important for safety and to minimize the cost of repair.

It is the responsibility of the lift owner to ensure maintenance is performed on a regular basis. It is recommended that a thorough servicing be carried out by your authorized representative every 3 months or 25 hours of use, whichever comes first. An hour meter is located inside the drive box on the lower panel.

Your local Garaventa authorized representative has the training, expertise and correct parts to keep your GSL Artira operating properly for many years. Ask your representative about a Preventive Maintenance Agreement. This will ensure that your lift will be properly maintained and will work reliably when needed. Breakdowns and emergency repairs should be avoided.

Note that validation of the warranty and the extended warranty programs require that an authorized technician properly maintain your lift.

It is important to report any lift performance abnormalities such as unusual noises, vibrations or intermittent failures to your local authorized representative or to Garaventa Lift. Do not operate the lift under these conditions.

As the lift owner you can assist with preventive maintenance by performing the following checks.

Ensure the guide tubes, platform and other elements of the system are kept free of dirt, grease and wax.

Check all bolts and fasteners. Contact your representative immediately if any appear broken or loose.

Visually check the cable inside the upper tube for broken strands of wire and check the plastic guide pieces for wear.

Check the function of all safety devices described in this Manual. For example, check that the under-platform sensing pan stops the lift when touched.

Operate the lift periodically, ideally at least once a week. This will make you aware of any problems and ensure the lift is available for use when a person with disabilities needs to use it.

8 Warranty Information

Two Year Limited Warranty

Garaventa Lift warrants this lift to be free of defects in materials and workmanship under normal use and service for a period of two years from the date of purchase, reasonable wear and tear excluded. Proof of purchase showing the purchase date is required to validate the warranty.

This Warranty does not extend to any lift that has been subjected to misuse, neglect, accident, modifications, or damage from fire, lightning, or water, or used in violation of the instructions furnished, nor units repaired or altered by other than an authorized Garaventa Lift dealer. This warranty does not cover service work, oiling, cleaning and minor adjustments that are required from time to time. Consult your local authorized Garaventa Lift dealer.

Garaventa Lift's liability hereunder is limited to repair and replacement only. Transportation and local labor charges are not covered. Garaventa Lift accepts no liability for any loss or damage resulting from the use or misuse of the GSL Artira, whether such loss or damage is direct, indirect or consequential. All other express or implied warranties, statutory or otherwise, are excluded.

Note that validation of the warranty and the extended warranty programs require that an authorized technician properly maintain your lift in accordance to the recommendations found in Section 7.

Warranty Registration

A postage-paid warranty registration card is enclosed with this Owner's Manual. Please complete the card and return it to Garaventa within 10 days of purchase.

Optional Extended Warranty Protection (Canada & USA only)

As an option, you are able to purchase extended warranty protection for your Garaventa GSL Artira (***Preventive Maintenance Agreement required***). This will extend your warranty from two years to 7 years (warranty details available). The extended warranty covers all major components.

Important Note: The extended warranty protection plan (Preventive Maintenance Agreement required) is available for purchase for up to 30 days after lift installation. An extended purchase availability of up to 90 days after installation is available for an additional cost.

Protect your investment. Contact your local Garaventa dealer or Garaventa Lift for more information.

Thank you for purchasing your Garaventa GSL Artira inclined platform lift. We welcome your comments on this product or any of the related instructional material.

9 Specifications

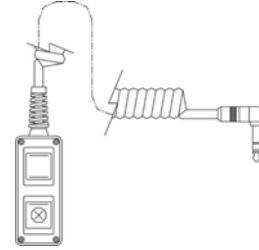
Platform Sizes:	800 x 1220mm (31 1/2" x 48") 800 x 1050mm (31 1/2" x 41 3/8") 800 x 900mm (31 1/2" x 35 3/8") 700 x 750mm (27 1/2" x 29 1/2")
Curved Safety Arms:	Fully automatic arms are located 948mm (37 5/8") above platform deck.
Pedestrian Safety Lights:	Illuminated tube lighting located at the base of the platform ramps.
Rated Load:	250 kg. (550 lbs.)
Speed:	6 meters (20 ft) per minute, slowing 3 meters (10 ft)
Operating Controls:	
Call Stations:	Keyed (std) with constant pressure switches, 24 VDC, equipped with Garaventa Smart-Lite Technology™.
Platform Controls:	Keyless (std) with constant pressure switches, 24VDC., equipped with Emergency Stop Switch
Drive System:	
<i>Motor:</i>	1.5 kW (2.0 HP) drive, located at the upper landing (drive box may also be remotely located).
Power Requirements:	The mains power requirement for both drive systems is 208 -240 VAC,50/60 HZ single phase on a dedicated 20 amp circuit.
Power Transmission:	Roped sprocket using 8mm (3/8") wire haul rope.
Emergency Use:	Manual lowering ratchet wrench is provided. Optional auxiliary power system available.
Overspeed Safety:	Located at the bottom of the tube assembly, containing mechanical overspeed sensor and lock, with electrical drive cut-out protection.
Rail System:	Two 51mm (2") O.D. steel tubes spaced 600mm (23 5/8") apart vertically.
Finishes:	Tube system finished in a durable electrostatically applied and baked fine textured Satin Grey paint.

10 Options

Platform Options

Attendant Remote Control

The Attendant Remote Control overrides the platform directional controls. It is used by a passenger who is using the folding seat or by an attendant walking beside the platform. Insert the plug into the socket in the middle of the platform control panel. When plugged in the green platform directional control buttons do not operate. The emergency stop buttons on the platform control panel and on the Attendant Remote Control will both continue to operate. To remove the plug, push the small release tab on top of the socket, if provided, and pull out the plug.



SAFETY WARNING: Note that the platform is designed to hold one passenger only. The attendant must never stand on the platform with the passenger while operating the lift.

Folding Seat

The Folding Seat is provided for passengers not in wheelchairs. Fold it open and release the seat belt. The passenger should sit with his or her back against the platform control panel and use the attendant remote control to operate the lift (see above).

In some jurisdictions the Seat may be equipped with a seat position-monitoring switch. In this case the lift will operate only when the Seat is folded fully closed or fully open.



SAFETY WARNING: Ambulatory passengers must always use the Folding Seat and Sear Belt. Never operate the lift while standing on the platform.

Dek-Lite

The Dek-Lite is located below the folding seat. It illuminates whenever the platform is open. It provides additional light on the platform deck surface for loading and unloading. It turns off automatically when the platform is folded. The Dek-Lite is not designed or intended to provide general illumination of the stairway.

Platform Security Lock

The Platform Security Lock provides the platform with additional vandalism protection. It securely holds the platform deck in the vertical folded position and protects the platform power-fold mechanism. This is intended to minimize damage if someone intentionally or accidentally pulls on the folded platform instead of using the call station control buttons.

10 Options

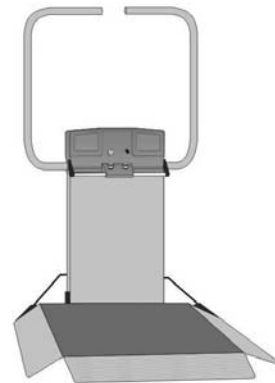
The Lock is located on the side of the platform hanger. A pin on the side of the platform deck engages the lock when the deck is folded closed. The Lock opens electrically when the unfold button on a call station is pushed. It locks automatically by spring action when the platform deck folds closed.

In the event the platform deck is manually folded into the closed position due to a power failure or some other reason, the lock will automatically latch shut. To manually open the lock, insert a small diameter (about 3 mm or 1/8 inch) tool into the hole in the bottom of the platform sensing plate. Move the tool to the left to open the lock. Then manually fold the platform deck back to its normal open position.

Side Load Platform

The Side Load Platform is fitted with a special ramp on the outside edge of the platform deck. This allows the passenger to load diagonally from both the end and side of the platform.

At the lower landing the special side load ramp opens automatically along with the end ramps and curved safety arms. During travel and at intermediate landings and at the upper landing the side load ramp remains vertical and locked. When the platform is folded closed the side load ramp fold over the control panel to protect the controls from vandalism.



On Board Alarm & Illuminated Emergency Stop Button

On lifts equipped with an On Board Alarm the special Illuminated Emergency Stop Button has two functions:

1. It stops the lift like the standard emergency stop button.
2. It activates the Alarm and illuminates when pushed. This confirms the alarm has been activated to passengers with a hearing impairment.

To turn off the Alarm and reset the stop button, turn it clockwise.

In some jurisdictions the Alarm and Illuminated Stop Button must be fitted with a rechargeable battery. In this case both the Alarm and Illuminated Stop Button will continue to function during a power failure.

Pedestrian Audio Alert

The Pedestrian Audio Alert is designed to warn stairway pedestrians about the presence and location of a folded platform that is moving. The Pedestrian Audio Alert sounds only when the platform is folded up and is being called or sent to a landing. It does not operate when the platform is folded open.

10 Options

Auto Fold Platform

This feature automatically folds up the platform to clear the landing area or stairway. It activates if the platform has been left folded open for a certain number of minutes as specified by the local jurisdiction. This activation time is set at the factory and can only be adjusted through reprogramming of the controller. Your dealer can advise you of the activation time set for your lift.

Before the platform begins to auto fold, a beeper will sound for approximately 10 seconds to alert anyone in the area to stand clear. This warning function requires that the platform be equipped with the beeper associated with the On Board Alarm or the Pedestrian Audio Alert.

In the event a passenger is still on the platform when the auto fold sequence starts, a load sensing circuit will automatically reverse the folding operation and unfold the platform back to the fully open position. The Auto Fold timer is reset at the same time.

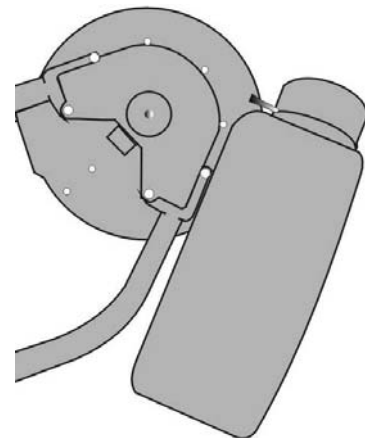
In the event the seat is left folded open it will be pushed up into its normal closed position as the platform folds. In normal operation the seat should always be folded manually.

Drive Options

Compact Drive

Your lift may be fitted with a Compact Drive. This is often used where space is restricted at the upper landing.

The functionality of a lift equipped with a Compact Drive is identical to a lift with a Standard Drive, with the exception of Emergency Operation - Hand Cranking of the Platform. Please refer to Section 6 of the Manual.



10 Options

Call Stations and Audio Visual Alerts

Attendant Call Button

One or more call stations on your lift may be equipped with an Attendant Call Button. Pushing this button closes a switch located on the Artira controller. This in turn is connected to a buzzer or other alarm system in an office in the building where an attendant is available to assist lift users.

Ensure that all attendants have read this Owner's Manual and are familiar with the safe operation of the lift.

Note that Attendant Call Buttons are often used only to request a key to activate the lift. You may want to provide regular visitors to the building with their own key. Additional keys are available from your local Garaventa authorized dealer. The same key fits all Garaventa lifts.

Call Station Emergency Stop Button

Call stations may be equipped with an Emergency Stop Button. It operates identically to the Stop Button on the platform - push to stop and turn clockwise to run.

TROUBLE SHOOTING TIP: If your lift is equipped with Call Station Emergency Stop Buttons always check that all buttons are pulled out before you start trouble shooting. It is very common for curious people to push and set the emergency stop buttons as they pass by.

Keyless Call Stations

Many jurisdictions permit the use of Keyless Call Stations to provide more independent access to lifts. GSL Artira keyless Call Stations have a key switch graphic symbol but no actual key switch.

To activate a Call Station simply touch any of the large square buttons. This activates the Call Station, just like turning on a key switch. The appropriate Smart-Lite button will illuminate. Push the illuminated button or other button as required.

When you are finished using the lift, fold up the platform as usual. The Call Station will automatically deactivate as soon as the platform is folded.

10 Options

Remote Platform Fold and Call

Normally only the call station adjacent to the parked platform can be used to fold the platform open or closed. The Remote Fold and Call option allows the platform to be folded up and called from the adjacent landing and all other landings. This option ensures that the lift is always available to a new user, should the previous user forget to fold the platform up.

To fold and call the platform from a remote call station, activate the call station. The appropriate up or down arrow call button will illuminate. Press and hold the button to call the platform. If it has been left unfolded it will fold and then travel to your landing all in one continuous sequence.

Constant Pressure Platform Fold and Unfold

The GSL Artira is designed with One Touch automatic platform folding and unfolding for maximum ease of use. Some jurisdictions insist that all lift controls, including platform folding and unfolding, be constant pressure operation.

Press and hold the appropriate button to fold or unfold the button until the entire platform, ramp and arm movement is complete. Releasing the button will stop the action in process. You can push the same button to resume the same action or the opposite button to reverse the action.

A lift programmed for Constant Pressure Platform Fold and Unfold cannot be programmed with the Auto Fold Platform option.

Platform Storage Beyond the Landing

Some lifts are designed so that the platform can be parked for storage beyond the normal upper landing location at the top stair nose. Occasionally the platform is parked away from the normal lower landing. This remote parking option is used to keep the stairway and landings clear when the lift is not in use. Note that the platform cannot be opened or boarded at the parking location.

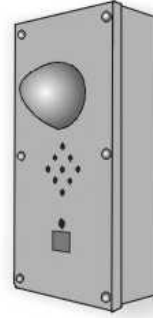
When the passenger has exited the platform, fold it in the usual way. Then, using the appropriate up or down arrow button on the same call station, send the folded platform to the parking location. Note that the appropriate send button will not be illuminated. Smart-Lite by default will activate the platform fold open button. Ignore this and push the appropriate send button.

To retrieve the folded platform from the parking location, activate the call station and call the platform by pressing the illuminated arrow button in the usual way.

10 Options

Wall Mounted Audio Visual Alert

Your lift may be equipped with one or more Wall Mounted AV Alerts. The AV is intended to alert stairway pedestrians to the presence of the lift in the stairway. It consists of an amber strobe and a chime. The volume of the chime can be adjusted with a screwdriver. Access to the volume control is through the small capped hole on the front of the cover.



The AV Alert activates as soon as the platform is folded open or when the platform is being called or sent.

Emergency Operation Options

Manual Fire Service

Manual Fire Service is designed to keep the stairway as free as possible for pedestrians in the event of an emergency evacuation. The lift controller is wired directly to the building's fire alarm system. When the fire alarm activates the lift will behave in a certain way depending on its operational status at that exact moment:

Lift Operational Status

Lift Behavior in Fire Service Mode

Lift not in use:

Lift is immediately deactivated. The intent is to keep the platform off the stairs.

Lift is activated. Platform is folded open but is still at a landing. Passenger may be boarding platform:

Lift will not leave the landing. Passenger must exit the platform and fold it. When the platform is folded up the lift will deactivate. The intent is to keep the platform off the stairs.

Lift is activated. Platform is on the stairway travelling between landings:

The platform controls will be overridden so that the platform can travel only to the designated exit landing. The functionality of the controls and safety systems is unchanged.

(continued next page)

10 Options

Once the passenger has exited the platform it can be folded using the call station in the usual way. After 30 seconds of arriving at the landing the platform will start to auto fold to its closed position. A warning beeper will sound for 10 seconds before folding starts, if equipped with a beeper. Once the platform is folded the lift will deactivate.

Automatic Fire Service

Automatic Fire Service operates the same as Manual Fire Service except that if the platform is between landings it will automatically travel to the designated exit landing. This means the normal platform directional buttons will no longer operate. If the platform was going up it will now start travelling downward, assuming that is where the designated landing is located. The platform emergency stop and platform obstruction sensing are still fully functional during automatic travel.

Note that automatic platform travel in response to fire alarm activation is permitted in only a few jurisdictions.

Auxiliary Power System

The Auxiliary Power System consist of a deep cycle 12 volt DC battery, a charging system and an inverter that converts the battery power into 208 volt AC mains power required to operate the lift. During a power failure the Auxiliary Power System will enable the lift to operate in both up and down directions for numerous trips.

The Auxiliary Power System is always standing by. In the event of a power failure it will automatically engage. If the lift is in use at the time there will be only a momentary pause. All normal functionality of the lift will be maintained.

How long the Auxiliary Power System will continue to operate will depend on the length of the lift and the age and condition of the battery.

10 Options



SAFETY WARNING: For hand cranking or when servicing the lift always turn off the lift power with the mains power disconnect switch on the side of the standard drive box or inside the compact drive control box. If you shut off power to the lift only at the building breaker panel, the lift will still be fully energized from the Auxiliary Power System.

MAINTENANCE TIP: If the lift is not needed for an extended period of time leave the power on to the Auxiliary Power System to keep the battery on trickle charge and just shut off the lift main disconnect switch on the side of the drive box. Leaving the battery uncharged for an extended period of time will destroy it.

11 Restarting After Hand Cranking

Applies to Both Standard and Compact Drive Systems

If the platform is moved by hand cranking during a power failure or when the main disconnect switch has been turned off (recommended procedure) the lift position monitoring system loses the location of the platform. The controller does not know where the landing zones or corners are and may therefore not stop or slow the platform at the correct locations. This problem can be resolved by resetting the platform position in the memory of the lift controller as outlined below.



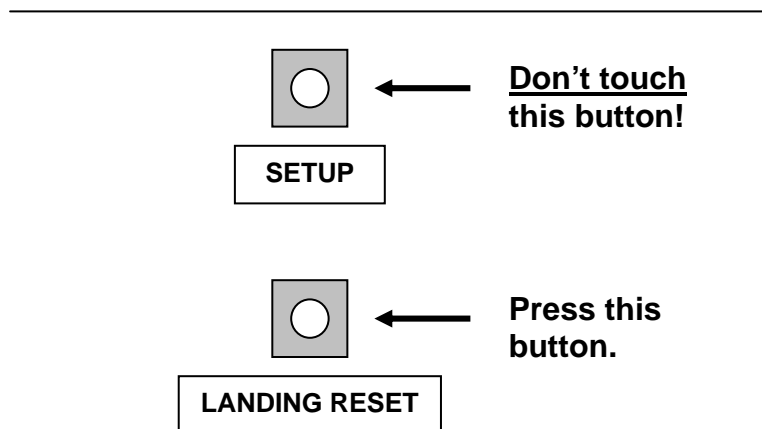
SAFETY WARNING: Do not operate the lift until this reset procedure has been performed. The platform could travel through landing zones and could travel at full speed around corners. Always follow the reset procedure after hand cranking the with the power off.



SAFETY WARNING: This procedure involves working on a live electrical controller. Touch only the **LANDING RESET** button as described below. To prevent risk of electrical shock do not touch any other parts of the controller.

Landing Reset Procedure

1. Turn on the mains power using the main disconnect switch located on the side of the drive box or inside the compact drive control box. Use the security key to access the inside of the drive box or the compact drive control box.
2. Locate the white **LANDING RESET** button on the top right hand corner of the PC board, inside the drive box or compact drive control box. It is located below the **SETUP** button. Do not confuse the two!

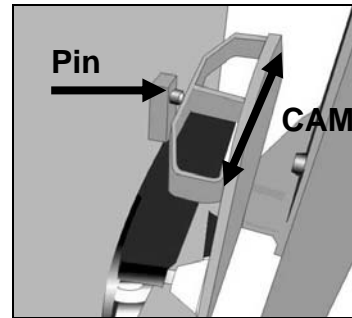


3. Press and hold the Landing Reset button for at least **SIX SECONDS**. This engages the Landing Reset Mode of the controller. All of the call station and platform controls will now work as normal except the lift will travel at half speed and all the landings will be ignored (no automatic slowing or stopping).

11 Restarting After Hand Cranking

4. Close and lock the door to the drive box or the compact drive control box. The lift will not operate with the door open.

5. Run the platform to the lower landing. Note that the lift will run through any intermediate landings and will not stop automatically at the lower landing. Use caution so the platform does not hit the floor. Carefully drive the platform into the lower landing so that the black ramp-unlocking pin on the back of the platform is approximately centered on the ramp-unlocking cam and is pushed in. See the illustration.



SAFETY WARNING: Use caution when approaching the lower landing. Do not run the platform into the floor. This could result in serious damage to the platform and drive system. Familiarize yourself with the stopping distance of the platform when you take your hand off the controls.

6. Once you are happy with the platform position on the cam, open the door of the drive box or compact drive control box and press the **LANDING RESET** button again, this time for **TWO SECONDS** or less. This re-establishes the position of all the landings and the corners using the platform's current lower landing location for reference.
7. Close and lock the door to the drive box or the compact drive control box. The lift will not operate with the door open.
8. You may now operate the lift to check all functions and return it to service. If the lift does not operate properly contact your local Garaventa dealer for assistance.