

Garaventa Lift

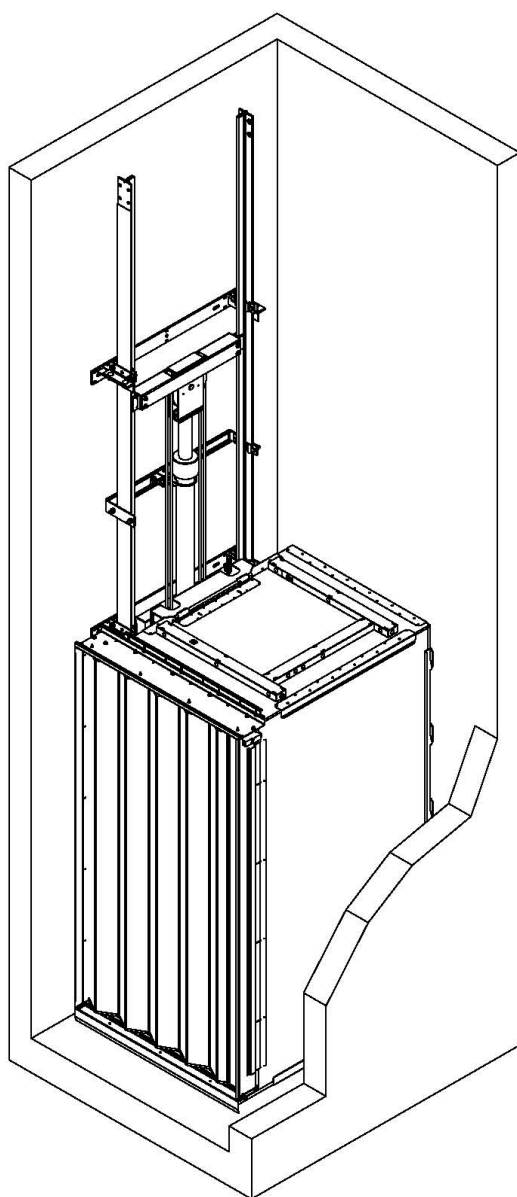


Residential Elevator

SERIAL NO: 109698

CECA PERMIT NO: 00102623

Owner's Manual



IMPORTANT, READ FIRST

Only an Authorized Garaventa Lift Dealer should install, service, maintain, adapt, alter, modify, or repair the Garaventa Lift™ products. Failure to follow this recommendation could result in safety system compromises, malfunctions, defects or failures and result in serious injury or death. In such circumstance, Garaventa Lift excludes any liability, whether in contract or in tort, to the fullest extent permissible under applicable law, for any damage or loss whatsoever, including property damage, warranty claims or personal injury, including death.

Passenger safety is the result of countless details in the equipment design, manufacture, and installation. After installation, reliable operation and continual safe operation requires regular inspection and maintenance as outlined in this manual, or more frequently where usage, environment, or local jurisdiction requires. As the owner, you are responsible for ensuring that regular inspections and maintenance occur in a timely manner as per manufacturer's recommendations and maintenance schedule.

Refer to this manual for unit description, setup, operating instructions, and a maintenance schedule for the Lift. Upon completion of installation, the Garaventa Lift technician must provide you with the following information and ensure it is recorded in this manual. In addition, either the Garaventa Lift technician or you must keep any service and/or maintenance records.

At all times, the lift must be maintained in compliance with the applicable standard it has been built and installed.

- United States - A18.1 - Safety Standard for Platform Lifts and Stairway Chairlift.
- Canada - CSA B355 - Platform Lifts and Stair Lifts for Barrier-Free Access
- Europe - 2006/42/EC - Machinery Directive

Depending on your country or region the local authority code variant may apply.

To ensure safe operation of the lift, pay careful attention to the important notes, follow the instructions and any additional safety regulations in this manual.

Garaventa Lift Elvoron

Congratulations on the purchase of your new Elvoron residential elevator. This manual describes the many features of the Elvoron, including 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 elevator.

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

Lift Serial Number: 109698 CECA PERMIT NO: 00102623

Date of Installation: APRIL 1, 2026

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

Local Authorized Garaventa Dealer:

Name: GARAVENTA LIFT BC / GARAVENTA (CANADA) LTD.

Address: UNIT 1 - 11393 KINGSTON STREET
MAPLE RIDGE, BC V2X 0Y7

Telephone: (604) 461-6636 or 1 (800) 565-6636

SERVICE EMAIL: service.bc@garaventlift.com

LIFT LOCATION:
23436 DOGWOOD AVENUE, MAPLE RIDGE, BC, V2X 4S5

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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 Lift Residential Elevator.



Stop Button

The Elvoron is equipped with a red emergency stop button in the cab. To stop the lift in an emergency, press the stop button.

Operate and Maintain the Elevator 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. Garaventa Lift recommends maintaining your lift at least twice per year. Your authorized Garaventa Lift representative is well suited to recommend a maintenance program for your lift.



Do not operate the lift if it has been damaged. If you hear unusual noises or feel vibrations, contact your Garaventa Lift representative immediately.

Do Not Overload the Elevator

Your Elvoron Residential Elevator is equipped with a capacity plate in the car which will show the capacity for your elevator, either 750 lbs. (340 kgs.) or 1000 lbs. (454 kgs.). **DO NOT EXCEED THIS CAPACITY!**



Safety Features – “Do Not Tamper with Safety Features”

This unit is intended for use by a mature person who understands and has been trained on proper operation of the lift as set out in this manual.

At no time should children under the age of 16 use the lift while unsupervised unless they have been trained on the proper operation of the lift.

Elevator Equipment Area's must be Clear

Keep the area around the Elevator Equipment clear of all debris. Do not use area around the elevator area for storage. In an emergency, a technician may have to have immediate access to the controller.

Safety First

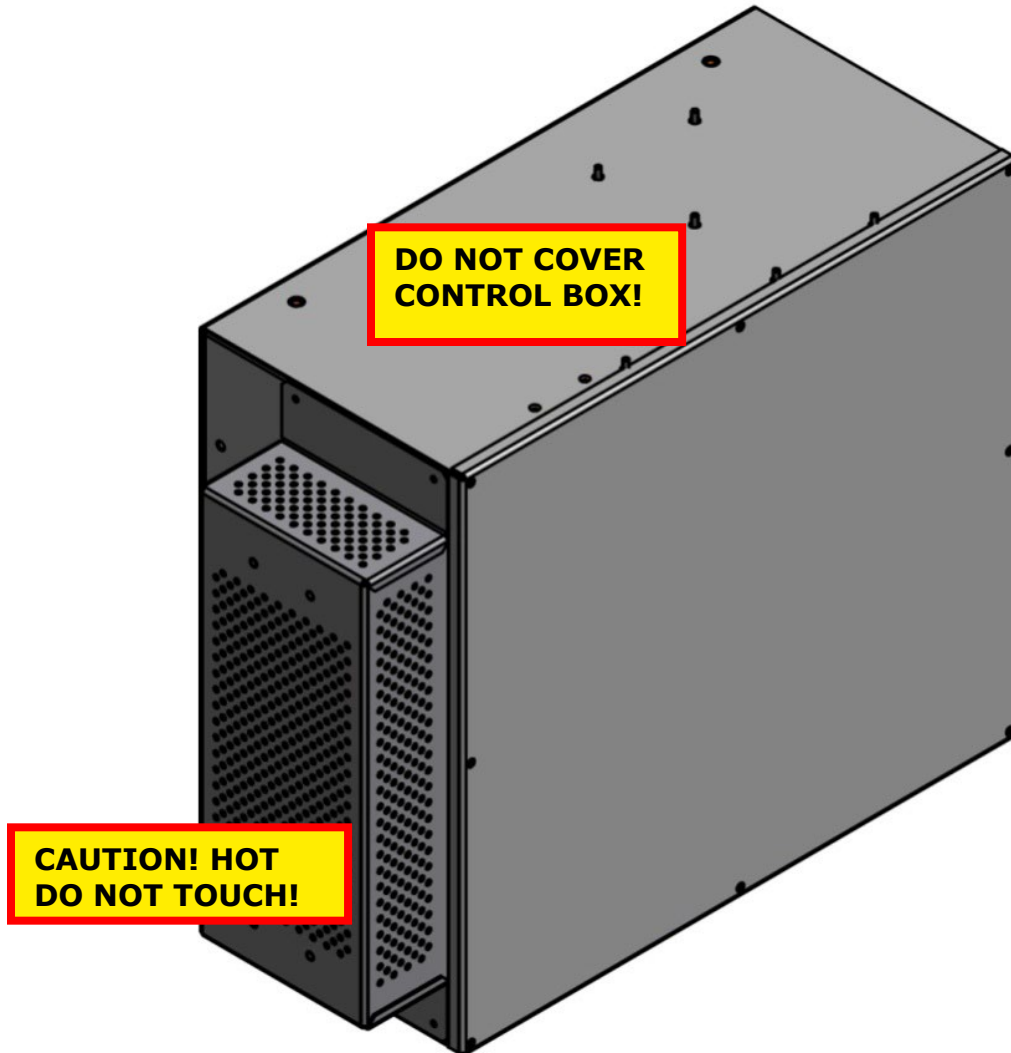
In-line Drive System Only



Caution:

Do not place objects on or over the control box.

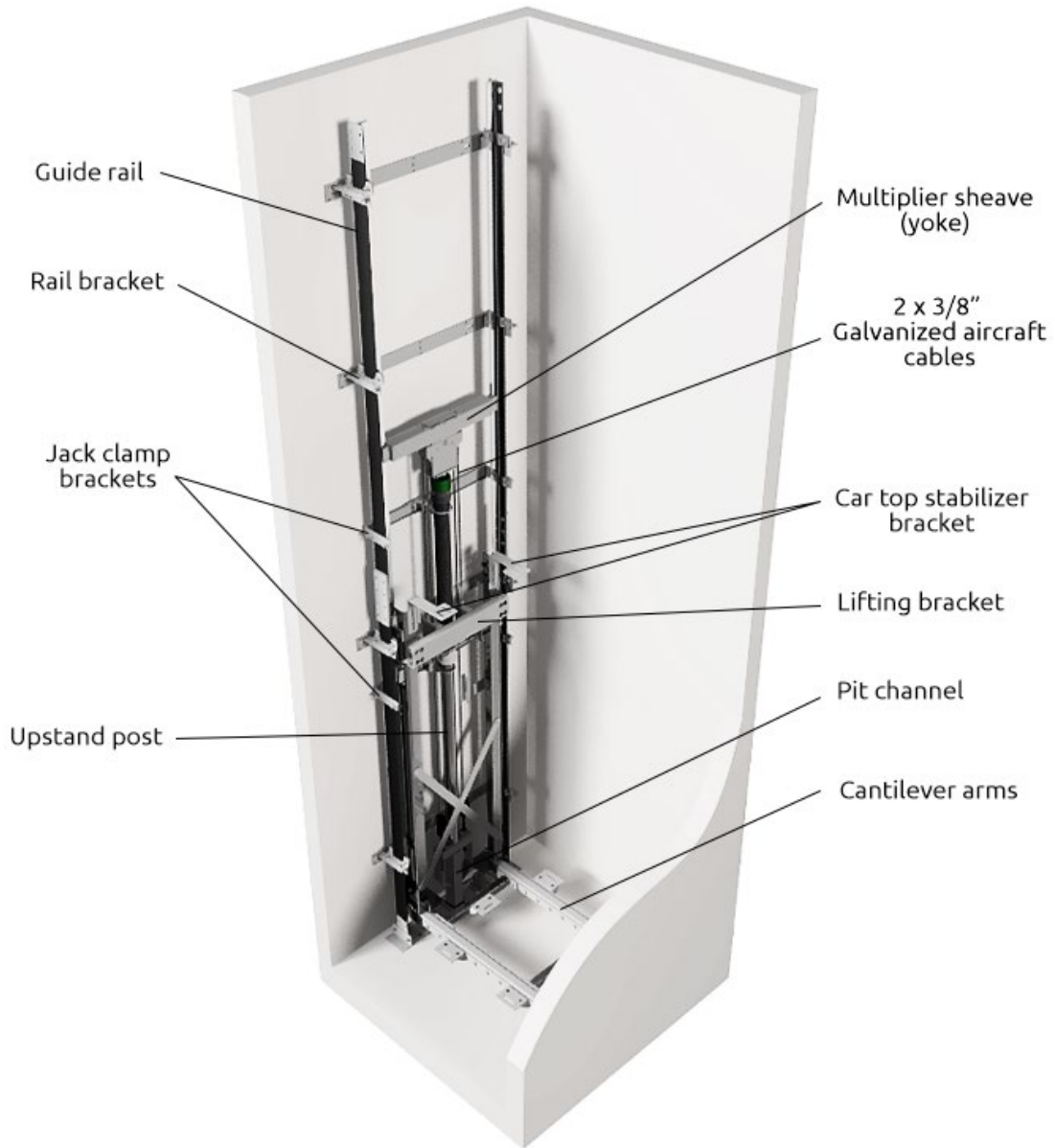
There is a perforated box on the left side of the controller. There is a risk of burning. Do not touch this box.



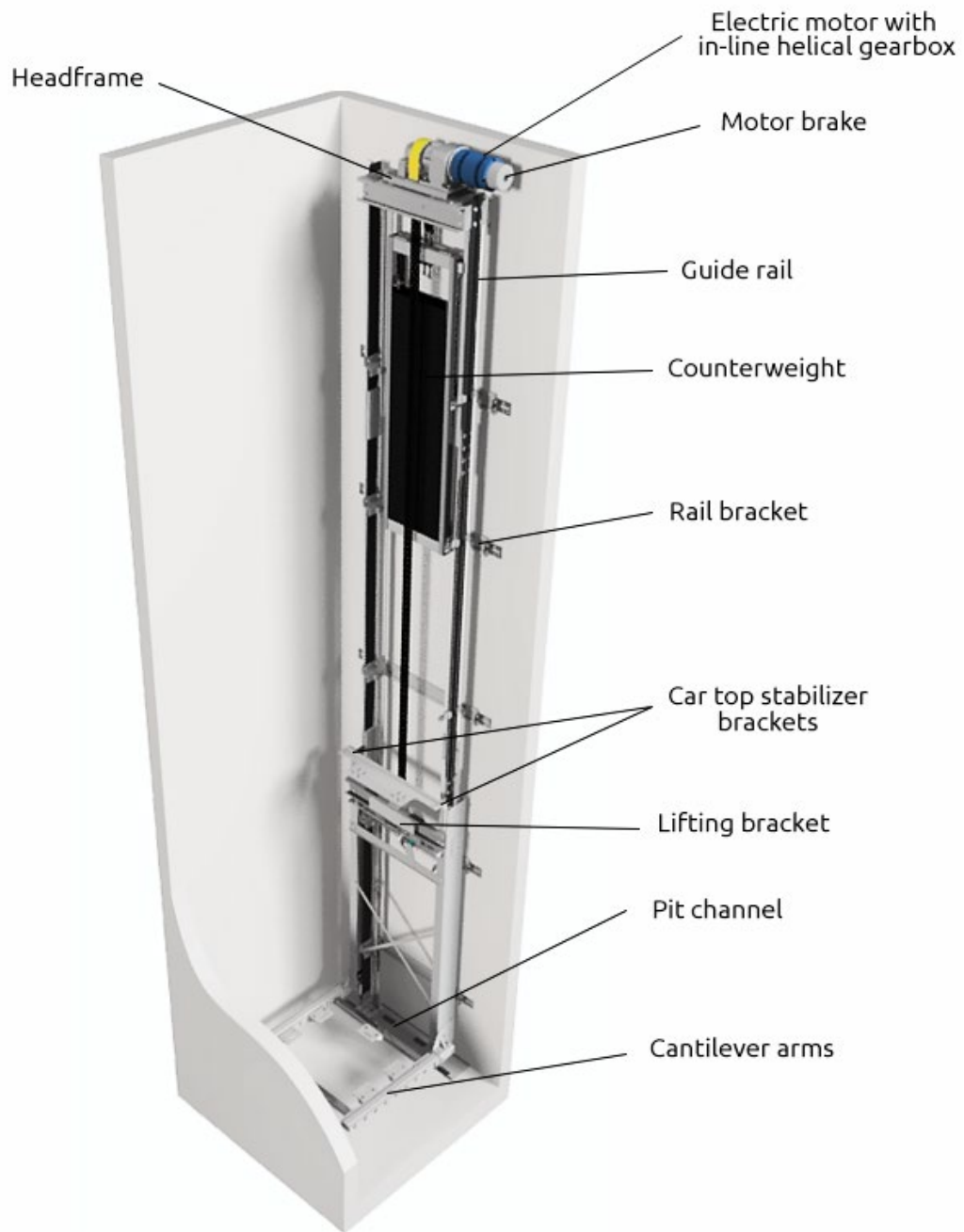
IMPORTANT: Do not hang coats or any other items near the Control Box. A clear space of at least 3 inches (75 mm) must be maintained around the entire Control Box.

Component Identification

Hydraulic Drive System (Elvoron HR)



In-line Drive System (Elvoron MR)



Basic Operating Instructions

Hall Station



1. If the hall station is provided with a device to restrict operation (key, swipe card, button pad, etc.) activate the device as indicated and press the button, if required.
2. Press the button once and release it. The cab will automatically travel to your location and stop.
3. If the elevator cab is provided with a power operated car gate and hall door, they will automatically open when the cab arrives at the landing.
4. If applicable remove key or swipe card to deactivate the control panel.
5. Turn the door handle and pull the door open.



Each landing door is provided with a code compliant electro-mechanical locking device that is designed to maintain the landing door in a closed and locked position when the elevator is away from the landing. This safety locking device is extremely important for the proper and safe operation of this elevator. **DISABLING OR BYPASSING THE INTENDED USE OF THE LANDING DOOR LOCKING DEVICES MAY RESULT IN SERIOUS INJURY OR DEATH!**

Hall Doors

The landing or Hall Door must be closed and locked for the car to leave the landing. Once the cab has left a landing the door will remain locked until the cab returns to the landing.

Cab Gates

The Cab Gate must be completely closed to enable the car to travel to a different landing.



The car door/gate is provided with a code compliant electrical switch that will prevent operation if the car door/gate is left open or opened during travel of the elevator. This safety device is extremely important for the proper and safe operation of this elevator.

Car Controls

1. Close both the Hall Door and the Cab Gate.
2. If the car operating station is provided with a device to restrict operation (key, swipe card, button pad, etc.) activate the device as described and press a floor call button.
3. Press the desired floor button once and release. The cab will automatically travel to your location and stop.
4. If applicable remove key or swipe card to deactivate the control panel.
5. Open the cab gate, open the hall door.
6. If the elevator cab is provided with a power operated car door or gate, the car door/gate will automatically open when the cab arrives at the requested landing.



If the cab is equipped with a manual gate and door, they must be closed after exiting the cab. If not, all controls will remain inoperable, and car lighting will remain on.



An optional "entry" and "exit" timer (N.I.T. Timer) allows approximately six to nine seconds before the landing call devices become operational. This delay allows a person to enter/exit the cab before another landing call can take control of the lift.

The elevator is also equipped with safety light curtains to detect unwanted objects in the space between the cabin door/gates and landing doors. In the elevator with an accordion gate, the elevator will be prevented from moving when safety light curtains are obstructed. In elevator with 3 speed doors, the obstructed safety light curtains will cause the 3 speed doors to reopen during closing cycle and prevent the elevator from moving.

Additional Instructions for Standard & Optional Features

Emergency Telephone

The harmonized North American Elevator Code requires that a telephone be installed in the elevator in addition to the alarm in case of emergency. A Garaventa Lift representative can assist the telephone company in locating and wiring the telephone. Wiring provisions for telephones are standard on all Elvorn home elevators. An integrated phone installed in the car operating panel is available.

Hydraulic Drive System Specific:

Emergency Lighting

In the event of a power failure, the cab lights will remain illuminated by the Battery Power Supply.

Warning Alarm

The elevator warning alarm, which may be a bell or a buzzer, will remain operational during a power failure. Press the ALARM button or the STOP button to activate the alarm.

Emergency Battery Lowering

Garaventa Lift provides emergency battery lowering as a standard feature for the Hydraulic Drive. This feature provides a continuous source of power in the event of a building power failure. The UPS is charged through the main controller. If the UPS is depleted for any reason, the controller will emit a beeping sound indicating that service is required.

The Battery Lowering feature provides power for the alarm, the controls, interlocks and door operator for approximately one hour after a power failure. The UPS provides power for cab lighting for approximately four hours after power failure.

If the elevator is not in use and stopped at a floor when a power failure occurs the cab will remain at that landing for 2 minutes before automatically traveling down to the lowest landing. It will remain parked at that landing until normal power is restored.

If the elevator is in use and traveling in the up direction when a power failure occurs the elevator will cancel all the up directional calls and automatically begin to travel in the down direction. During the downward descent any floor button below where the cab is can be pressed for the elevator to stop and a passenger can exit. If no floor button is pressed the elevator cab will continue to the lowest landing and stop. It will remain parked at the lowest landing until normal power is restored.

If the elevator is in use and traveling in the down direction when a power failure occurs the elevator will continue to the designated floor and stop. The doors will unlock or open (if elevator is equipped with power gates/doors) and allow the passenger to exit. If no other downward calls are made then the cab will remain at that landing for 2 minutes before automatically traveling down to the lowest landing. It will remain parked at that landing until normal power is restored.

Note: The elevator cannot travel in the UP direction with Battery Lowering. All electrical safety features remain in place during the operation of the Battery Lowering System.

In-line Drive System Specific:

Emergency Lighting

In the event of a power failure, the cab lights will remain illuminated by the Battery Power Supply.

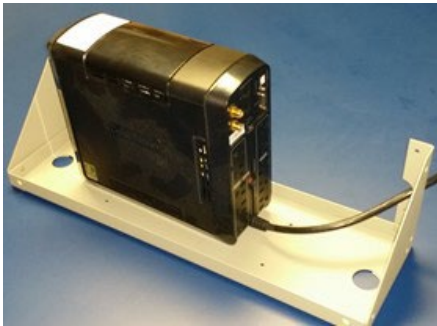
Warning Alarm

The elevator warning alarm, which may be a bell or a buzzer, will remain operational during a power failure. Press the ALARM button or the STOP button to activate the alarm.

Standard UPS

Garaventa Lift provides an Uninterruptible Power Supply (UPS) as a standard feature for the in-line drive. This provides a continuous source of power in the event of a building power failure. If the elevator is not in use and stopped at the floor when a power failure occurs the cab will remain at that landing. It will allow for normal operation in the down direction only for 10 minutes.

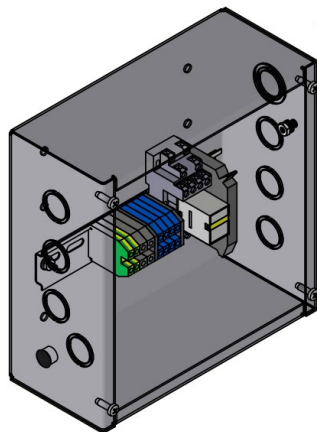
The elevator cannot travel in the UP direction. All electrical safety features remain in place during the operation of this UPS.



Upgraded UPS

This optional feature enables the elevator to operate normally in the down and up directions during a power outage.

If a power outage occurs, the UPS will automatically switch to battery power and the elevator will remain fully operational.



The elevator can travel up and down with fully rated load while the UPS battery lasts. The depletion of the battery depends on load, height of the elevator, and age of the battery. The UPS will make an audible alarm when the battery is nearly depleted. At this time, take the elevator to the nearest landing and do NOT use it until power is restored. Once power is restored, the UPS automatically switches to Mains power.

The UPS disconnect switch turns off power to both the UPS and the elevator.

Follow the steps below to restore power to the elevator after the disconnect switch is turned OFF:

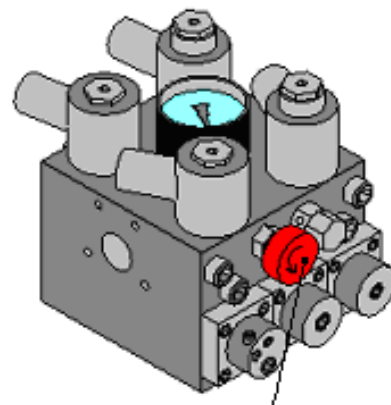
1. Turn the disconnect switch ON.
2. Press and hold the power button at the top of the UPS display panel for 5 seconds.
 - a. The UPS will beep, and the display will update.
3. Press and release the power button once.
 - a. Power to the elevator will be restored.

Instructions for Emergency Manual Lowering: Hydraulic Drive

Hydraulic Drive System

In an emergency, the lift cab can be lowered manually in order to evacuate a stranded passenger. It is preferable to call a trained Technician to operate the manual lowering device. However, if time is of the essence then the lift can be lowered manually using the following method. Do not attempt to use the manual lowering device unless you have been instructed in its safe operation and use.

1. Talk to the person in the lift and tell them what you are about to do. Tell them to remain calm and to stay well back of the car doors/gates.
2. Go to the machine room and locate the main hydraulic control valve on the top of the pump reservoir. Note the RED round handle/knob as shown in the adjacent illustrations.
3. Alert the occupant that you are going to lower the elevator and ask the occupant to tell you when the lift is level with a floor.
4. Lower the lift to the bottom landing by turning the RED handle/knob counter clockwise until it stops. The RED handle/knob is spring loaded and the lift will stop immediately upon release of the handle/knob.
5. Once the elevator has arrived at a landing, the occupant can unlock the landing door by raising the emergency release lever protruding from the door locking device using the magnetic emergency



RED round handle

BLAIN EV100-3/4In. control valve

key. This magnetic emergency key is located inside the elevator cab on the metal pocket adjacent to the accordion gate, near the Car Operating Panel. While the landing door is unlocked, open the door and the occupant can then exit the elevator.

If three-speed side sliding doors are provided, the occupant must press the emergency stop switch in the car, then manually slide the car doors open.

If the passenger can't reach the release, the door can be opened from outside using a special emergency key.

6. After the occupant has exited the lift, **turn off the main power** at the circuit breaker or the disconnect switch and call for service to the elevator.

After emergency manually lowering the cab, do NOT operate the lift until a trained technician has serviced the elevator.

Instructions for Emergency Manual Lowering: In-line Drive

In-line Drive System

In an emergency, the elevator cab can be lowered manually in order to evacuate a stranded passenger. It is preferable to call a trained technician to operate the manual lowering device. However, if time is of the essence then the elevator can be lowered manually using the following method. Do not attempt to use the manual lowering device unless you have been instructed in its safe operation and use.

1. Talk to the person in the elevator and tell them what you are about to do. Tell them to remain calm and to stay well back of the car doors/gate.
2. Go to the top landing and locate the manual lowering access door. It is approximately 6" x 6" (152mm x 152mm) access door located approx 90" (2.2 M) from the floor. Open door and insert manual lowering hand wheel* into the end of the motor. ***Once access door is open power to the elevator motor will be disconnected.***
3. Alert the occupant that you are going to lower the elevator, ask them to advise you when the elevator is level with a floor. The occupant should confirm that the car is lowering when the wheel is turned.
4. Rotate hand wheel in easiest direction (down direction). You may need to try both directions. Continue to turn the hand wheel until the elevator cab is level with the closest landing.
5. Once the elevator has arrived at a landing, the occupant can unlock the landing door by raising the emergency release lever protruding from the door locking device using the magnetic emergency key. This magnetic emergency key is located inside the elevator cab on the metal pocket adjacent to the accordion gate, near the Car Operating Panel. While the landing door is unlocked, open the door and the occupant can then exit the elevator.

If three-speed side sliding doors are provided, the occupant must press the emergency stop switch in the car, then manually slide the car doors open.

6. If the passenger can't reach the release, the door can be opened from outside

using a special emergency key.

After emergency manually lowering the cab, do NOT operate the lift until a trained technician has serviced the elevator.

If during operation the elevator stops, remain inside the cab and await the instructions of trained personnel. The cab is the safest place to be.



*** Emergency Lowering Hand Wheel should be located
in a readily accessible location.**

Preventive Maintenance

Regular maintenance will keep your Garaventa Lift residential elevator in proper operating condition. Like all mechanical devices, your Elvoron requires a regular procedure of inspection and maintenance to ensure continued operation in top condition. To verify proper operating condition of your unit, the items listed below must be inspected and, if necessary, serviced every six (6) months. Additional inspections may be required depending on usage.

Please note that your Residence elevator is designed based on the following:

- Daily cycles
 - Normal: 20
 - Heavy: 50
 - Excessive: 75
- Max. starts per hour: 10

Consult your Sales Representative if there is a chance you may exceed these amounts.

Very Important: Only authorized Garaventa Lift technicians should be permitted to service the landing door locking device.

1. Listen for any unusual noises or bumps and scrapes. These may indicate certain components are starting to wear and require changing. Alert your servicing contractor if this occurs.
2. Test and verify that the emergency telephone, alarm, back-up power and manual lowering system are operational.
3. Check each landing door electro-mechanical locking device for proper operation. The elevator must not move away from the floor if a door or gate is open. Verify that the door is locked when the elevator is away from the floor.
4. Use a Flannel cloth and a light detergent to clean the surface of the car wall panels. Do not use an abrasive cleaner.
5. Wipe stainless steel, brass or glass with a soft, lint free cloth and a non-abrasive

cleaner such as window cleaner. Brass has been surface treated for long, bright life.

6. The high intensity 24 volt Halogen or Xenon lights used for the car lighting require special handling. Follow the instructions on the carton of the replacement lamps.



**REPLACE WITH 24 VOLT LAMPS ONLY -
INSTALLING A LAMP WITH ANY OTHER VOLTAGE
MAY DAMAGE THE EQUIPMENT AND VOID THE
WARRANTY.**

7. Keep the area around the pump and controller clear of all debris. Do not use as a storage room. In an emergency, a technician may have to access the main controls in a hurry!

Some reflections on safety with your Residential Elevator

Your authorized Garaventa Lift representative has a responsibility to give you a demonstration of your elevator. He must show and explain the operation of the elevator controls as well as alerting you to the potential hazards that may be encountered during use. He should review the safety notices in the Owner's Manual with you at the same time. In addition, he should review the minimum maintenance requirements of the elevator in order to keep it in "like new" condition.

The topics covered during a demonstration include:

- a. The cab gate and its safety switch.
- b. The landing doors, jambs and their electro-mechanical locking devices.
- c. The manual lowering procedure.
- d. Procedure for opening hall door with emergency release from inside and outside cab.
- e. The rated capacity and the hazards of overloading.
- f. The cab or landing restricted access devices (key switches, etc.) Where provided.
- g. Fuses and circuit breakers in the elevator controls and the main power supply.
- h. The hazards of improper storage of non-elevator equipment in the machine area or room.
- i. The importance of regular maintenance.
- j. Proper use of cab operating controls.
- k. Proper use of landing operating controls.
- l. Emergency communication devices. (telephone, audible alarm, etc.).
- m. Emergency Power Supply (Battery backup, etc.). (If provided).
- n. Procedure for evacuating stranded passengers in an emergency.
- o. Who to call in an emergency and the emergency numbers.

Warranty Information

Two Year Limited Warranty

Garaventa Lift warrants this elevator 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 elevator that has been subjected to misuse, neglect, accident, modifications, or damage from fire, lightning, or water, or used in violation of the instructions furnished, or units repaired or altered by other than an authorized Garaventa Lift dealer. This warranty does not cover service work, lubrication, 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 Elvoron, 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 elevator in accordance to the recommendations found in Section 6.

Optional Extended Warranty Protection (Canada & USA Only)

As an option, you are able to purchase extended warranty protection for your Garaventa Lift Residential Elevator (***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 Lift representative or Garaventa Lift for more information.

Thank you for purchasing your Garaventa Lift Residential Elevator. We welcome your comments on this product or any of the related instructional material.