



Vuelift®

**Residential
Elevator**

**Owner's
Manual
(Europe)**

 **savaria.**

IMPORTANT

Ensure that only an authorized Savaria® Dealer installs and services the Vuelift® Residential Elevator. Under no circumstances is anyone other than a dealer with Savaria training and authorization to install, adjust, service or modify any mechanical or electrical device on this equipment. Failure to follow this warning can result in safety system compromises or defeat; this can result in serious injury or death. Savaria accepts no liability for property damage, warranty claims or personal injury, including death, in this circumstance.

Passenger safety is the result of countless details in the equipment's design, manufacture, and installation. After installation, reliable operation and continual safe operation requires regular service and inspection at least twice per year, or more frequently where usage, environment, or local jurisdiction requires. As the Owner, you are responsible for ensuring that regular service and inspections occur in a timely manner.

Refer to this manual for specifications, operating instructions and maintenance of the Vuelift Residential Elevator.

Upon completion of installation, the dealer must provide you with the following information and ensure it is recorded in this manual. In addition, either the dealer or you must keep any service and/or maintenance records in the Maintenance Record section of this manual.

WARRANTY

Ensure your Savaria Dealer provides you with a copy of the manufacturer's limited parts warranty and documentation relating to any Dealer labour warranty.

FOR OWNER'S RECORDS

Customer Name: _____

Installing Dealer: _____

Dealer's Telephone Number: _____

Date Installed: _____

Serial/Job Number: _____

TABLE OF CONTENTS

1. SAFETY INSTRUCTIONS.....	4
To Ensure Safety	4
2. PRODUCT ELEMENTS DESIGN.....	5
3. SAFETY FEATURES.....	6
Safety Brakes	6
Emergency Stop Switch.....	6
Overspeed Protection.....	6
Manual Lowering	6
Overload Sensor.....	6
Emergency Battery Back-Up.....	6
Emergency Phone	6
Two Way Communication (One Touch Alert) (Optional).....	6
Uninterruptible Power Supply.....	6
3. SPECIFICATIONS.....	7
4. USING THE DEVICE	10
6. EMERGENCY OPERATION	12
Emergency Phone	12
Two-way Communication (One Touch Alert) (Optional).....	12
Emergency Stop Button.....	12
Overload Sensor.....	12
Uninterruptible Power Supply.....	13
Reset Button.....	13
Emergency Manual Operation.....	14
5. CLEANING	15
6. MAINTENANCE.....	16
1. Inside Car	17
2. Outside Hoistway.....	18
3. Machine Room	18
4. Top of Car	19
5. Pit (If applicable).....	20
6. Overspeed (New Car)	21
7. Electrical Circuit Overspeed (Original Car)	21
8. Brakes.....	21
Maintenance Record	23

1. SAFETY INSTRUCTIONS

To ensure safe operation of this unit, pay careful attention to the important notes below.

To Ensure Safety

**WARNING**

At no time should people under the age of 16 use the lift while unsupervised

- Read this manual carefully before using the equipment.
- To prevent accidents, adhere strictly to the instructions and keep clear of moving parts at all times.
- Be aware of any hazards, such as hall doors, car doors, emergency stops, or timers, especially for small children.
- Follow instructions on all equipment labels at all times. Replace any damaged labels immediately.
- Ensure that only qualified personnel perform maintenance and service on the unit.
- When replacing parts, be sure that only genuine Savaria parts are used.
- This unit is intended for use by a mature person who understands its proper operation as set out in this manual.
- Prior to operation, make sure that:
 - All doors and gates are locked and secure.
 - All areas in and around the lift are clear of any obstructions.
 - All lights are functioning properly.
- Test your keys and emergency stop button every month.

2. PRODUCT ELEMENTS DESIGN

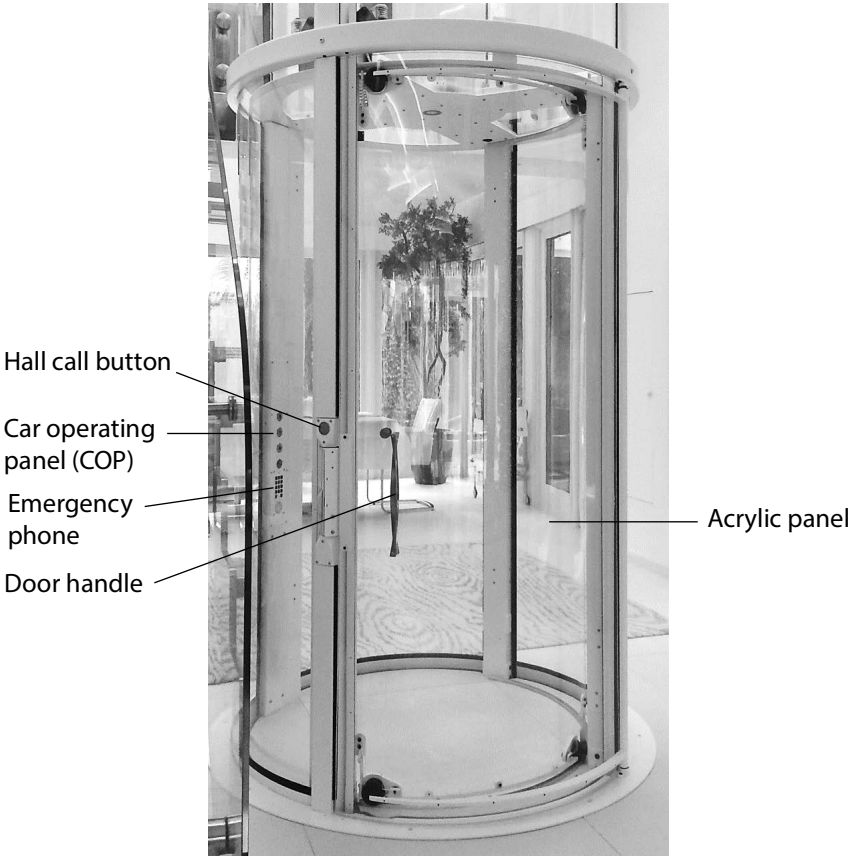


Figure 1

3. SAFETY FEATURES

Safety Brakes

The safety brakes (safeties) stop the lift in the event of cable failure.

Emergency Stop Switch

Stops the unit immediately when pressed and sounds an alarm.

Overspeed Protection

Mechanical system that stops the unit in case of overspeed.

Manual Lowering

In the event of failure, this device allows trained emergency personnel to manually lower the unit.

Overload Sensor

When more than 250 kgs of weight is placed onto the cab, the cab will not move and the alarm will sound.

Emergency Battery Back-Up

In the event of power failure, the emergency power system runs independently from the main battery, ensuring the cab lights and two-way communication remain functional.

Emergency Phone

Allows you to dial a number in case of emergencies

Two Way Communication (One Touch Alert) (Optional)

Allows you to have up to five preset numbers that you can contact in case of emergency.

Uninterruptible Power Supply

The Vuelift is provided with a standby Uninterruptible Power Supply (UPS) which maintains the power supply to the control system in the event of a mains failure, thereby ensuring controlled emergency operation.

3. SPECIFICATIONS

*For more information, please contact your Savaria regional sales manager

Specification	Specification Data
Applied code	EN 81-41-2010EN 81-41-2010
Load capacity	Round acrylic: 840 lb (381 kg) Octagonal acrylic: 840 lb (381 kg) Octagonal glass: 950 lb (432 kg)* Octagonal+ glass: 950 lb (432 kg)* Round+ glass: 950 lb (432 kg)*
Maximum travel	50 ft (15.24 m); 55 ft (16.76 m) available where code is not applicable
Travel speed	Round acrylic: 32 ft/min (0.16 m/s) Octagonal acrylic: 32 ft/min (0.16 m/s) Octagonal glass: 40 ft/min (0.20 m/s)* Octagonal+ glass: 40 ft/min (0.20 m/s)* Round+ glass: 40 ft/min (0.20 m/s)*
Noise level	65 dB
Daily cycle	Normal: 40 Heavy: 80 Excessive: 150 Maximum starts in 1 hour on standard installation: 20
Maximum levels serviced	6
Minimum overhead	Round and Octagonal acrylic: • 108" (2.74 m) for 84" (2.13 m) cab • 104" (2.64 m) for 80" (2.03 m) cab • 96" (2.44 m) for 76.5" (1.94 m) cab Octagonal glass and Octagonal+ glass: • 108" (2.74 m) for 84" (2.13 m) cab* • 104" (2.64 m) for 80" (2.03 m) cab* • 96" (2.44 m) for 76.5" (1.94 m) cab* Round+ glass: • 108" (2.74 m) for 84" (2.13 m) cab* • 104" (2.64 m) for 80" (2.03 m) cab*
Temperature operating range	-10 °C to +40 °C (14 °F to 104 °F)
Pit depth	4 - 12 in (102 - 305 mm) No pit with optional short ramp

Specification	Specification Data
Distance between 2 landings	93.5" (2362 mm) minimum
Footprint	Round acrylic: 54" (1.37 m) diameter Octagonal acrylic: 59.31" x 45.5" (1.5 m x 1.16 m) Octagonal glass: 59.31" x 45.5" (1.5 m x 1.16 m)* Octagonal+ glass: 59.31" x 45.5" (1.5 m x 1.16 m)* Round+ glass: 57.56" (1.46 m) diameter*
Cab (car)	Round and Octagonal acrylic: • Cab interior height: 84" (2.13 m) • Cab interior height: 80" (2.03 m) • Cab interior height: 76.5" (1.94 m)* • Cab weight: 550 lb (250 kg) • Round acrylic cab floor area: 13.09 sq ft (1.22 sq m) • Octagonal acrylic cab floor area: 12.83 sq ft (1.19 sq m) Octagonal and Octagonal+ glass: • Cab interior height: 84" (2.13 m) • Cab interior height: 80" (2.03 m) • Cab interior height: 76.5" (1.94 m)* • Octagonal glass cab weight: 1000 lb (455 kg) • Octagonal glass cab floor area: 12.83 sq ft (1.19 sq m) • Octagonal+ glass cab weight: 1200 lb (544 kg) • Octagonal+ glass cab floor area: 14 sq ft (1.31 sq m) Round+ glass: • Cab interior height: 84" (2.13 m) • Cab interior height: 80" (2.03 m)* • Cab weight: 1200 lb (544 kg) • Cab floor area: 15 sq ft (1.4 sq m)
Power supply (circuit supplied by others)	30A, 230-V, single-phase, 50/60 Hz
Cab lighting	15A, 115V, single-phase, 50/60 Hz
Suspension	Type: Galvanized aircraft cable (2 x 10mm diameter) Construction: IWRC 7 x 19 RHRL Nominal strength: 14400 lb (6,545 kg) Weight of ropes: 0.243 lb/ft (3.616 g/cm) Travel cable weight: 0.228 lb/ft (3.393 g/cm)

Specification	Specification Data
Drive train	Type: Winding drum Motor: - 5 HP (3.5KW) @ 60Hz with integrated brake - 4 HP (3.0KW) @ 50Hz with integrated brake Transmission: Low vibration worm gear drive Motor control: Preprogrammed variable frequency drive Door interlocks: Xtronics
Safety features	Pit run/stop switch and car top run/stop switch Emergency stop switch Safety brakes Overspeed Manual lowering Emergency battery back-up for cab lighting and lowering
Options	Optional configurations: Type 2, 3, 6 Optional colors: • White (Texture White PX521W859) • Silver (Texture Silver DX521S82) • Custom powder-coat frame Note that Black is the standard color (Texture Black PX622N365) Other options: Up to 6 stops, balcony attachment Savaria Link remote monitoring (Vuelift Micro-6 only) Landing door handle painted to match unit Top header ring in sheet metal painted to match unit Custom size balcony Pitless option with ramp Sabbath service Flood switch Buffer springs for habitable space below Buck boost transformer

4. USING THE DEVICE

- 1 Press the hall call button (Figure 2).
- 2 When the hall call door unlocks, open the hoistway door.
- 3 Open the car door and enter the elevator.
- 4 Close the hoistway door and then close the car door.
- 5 Press a button on the Car Operating Panel (COP) to select a floor.
- 6 When you arrive at the selected floor, open the car door and exit the elevator.
- 7 Close the car door and then close the hoistway door



Figure 2: Hall Call

COP with Two-way
Communication
(One Touch Alert)

COP with Emergency
Phone



Figure 3: COP

6. EMERGENCY OPERATION

Emergency Phone

Press the red **ON/OFF** button to turn on the phone and proceed to dial a phone number. The blue **VOL** key allows you to adjust the volume. When the call is completed, the red **ON/OFF** can be pressed again to turn off the phone.

Two-way Communication (One Touch Alert) (Optional)

One Touch Alert offers a special feature to configure five different contacts in an orderly manner to reach out for help.

Press and hold the One Touch Alert button (Figure 4) until it starts blinking. You will hear an audible ringback tone (the sound a caller hears, indicating that the call has reach the recipient's network and is alerting their device (i.e. it's ringing). Once the call is connected, the button will stop blinking and display a steady illumination. Press the same phone button to end the call if needed.

- If there is only one number programmed, the button must be repressed.
- To call the next preset number, press and hold the button until the call to the next number is initiated.
- You can adjust the speaker volume and microphone sensitivity in the application settings

Emergency Stop Button

Pressing the red Emergency Stop button during travel will stop the lift immediately and activate the alarm. The Emergency Stop overrides the landing stations (hall calls/remotes). Twist the Emergency Stop out to return the lift to normal operation.

Overload Sensor

The overload sensor ensures that the lift can not be started when overloaded. If the lift is overloaded the button shown below will light up, an alarm will sound and the car will not start.



Figure 4: Overload button

Uninterruptible Power Supply

Vuelift is provided with a standby Uninterruptible Power Supply (UPS). The UPS output voltage is continuously monitored. If the voltage drops below a predefined threshold, the lift is automatically driven to a designated landing and the doors are opened to enable safe evacuation of passengers. The lift is subsequently taken out of service. Restart of normal operation is inhibited until the supply voltage has been restored and verified to be within the defined operating limits.

Reset Button

There is a reset button located on the cover of the controller box. In the event your Vuelift is not operating properly, press the reset button for 3 seconds.



NOTICE

If this issue persists, please contact your dealer/maintenance contractor for further assistance.



Figure 5: Reset Button

Emergency Manual Operation



DANGER

This mechanism is for emergency use only, by trained personnel. DO NOT leave the area unattended. After use of any emergency function (access key or manual lowering device), ensure that all doors/gates are secure and locked.

In the event of a power failure, where the back up battery is unavailable, there is a manual lowering device that can be used to bring the Vuelift Mini to the bottom level.

- 1 Turn off the main power disconnect.
- 2 Remove the cover on the glass/acrylic in line with the motor brake at the top landing.
- 3 Insert the manual lowering tool (shown in Figure 4) into the hole in the glass/acrylic.
- 4 Turn the manual lowering tool clockwise until the unit is at the desired landing level.
- 5 Make sure the floor of the cab is level (within 2 inches) to the landing. Use the special emergency key to manually open the landing door.



Figure 6: Manual Lowering Tool

5. CLEANING

A. Metal Surfaces



DANGER

Under no circumstances should you ever attempt to remove panels for cleaning!

B. Acrylic Surfaces

A few precautions must be taken to maintain the acrylic panel clarity.

Clean acrylic panels with a mild soap and water solution or with an acrylic cleaner. Use a microfiber cloth to clean and dry the acrylic panels. **DO NOT use any cleaning product on acrylic that contain ammonia, acetone, gasoline, benzene, alcohol, carbon tetrachloride, or lacquer thinner or petroleum.** Damage caused by inappropriate cleaners and techniques is not covered under warranty.



NOTICE

A deionizing tool can be used during installation to eliminate a majority of the static electricity (causes the dust to fall away).

Cleaners

Recommended Cleaners:

- Plexus® (Anti-Static Cleaner)
- Novus® #1 Acrylic Cleaner and Polish
- ATM Mirage Glass and Acrylic Cleaner
- Zep® Commercial Glass Cleaner (must state for use on Plexiglas®)
- Plexi-Clean (Anti-Static Cleaner)
- Prist Aerospace Anti-Static Acrylic, Plastic & Glass Cleaner
- Cleaners which explicitly state "Safe for use with plastics and acrylic"



WARNING

Cleaners which **MUST NOT BE USED** for acrylic panels:

- Windex® Glass Cleaner
- Sprayway Ammonia-Free Glass Cleaner
- Goo-Gone®

These above lists are for reference only and are not comprehensive. If you have any questions about the acceptability of a specific cleaner, please contact your authorized dealer.

6. MAINTENANCE

Vuelift elevators are designed to require minimal maintenance, however, are still subject to wear and tear from use. You must perform the checks and actions in the following tables **at minimum, once a year**, to ensure safety and proper operation.



IMPORTANT

Savaria products are only to be installed, adjusted, serviced, or maintained by authorized Savaria dealers. Your Savaria product warranty will become void if serviced by an unauthorized Savaria dealer.

1. Inside Car

*Minimum once a year is required

Verification		Frequency
Car Interior	Examine the car interior for damage including the ceiling, handrails, door panels, lighting and floor. Tighten all fasteners in the car panel and replace as needed.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Car controls and panel	Examine the condition of the car control panels and check the operation of all lights. Replace all burnt out lights.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Leveling, stop, acceleration and deceleration	Run the car to each floor in both directions to observe the leveling accuracy, stopping, acceleration and deceleration. Adjust as needed.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Car door operation	Observe the door for proper operation including smooth movement, starts and stops, and alignment.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Ride floor to floor	Run the car from floor to floor and observe for smooth travel and unusual noises. Adjust or repair as needed.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Car lights and ventilation	Verify proper operation of the car emergency light and ensure adequate ventilation.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Restricted opening device mechanism	Examine the restricted opening device mechanism (if applicable) for proper operation and adjust as needed.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months

2. Outside Hoistway

*Minimum once a year is required

Verification		Frequency
Hall call station and lights	Examine the hall stations for condition and replace all burnt out lights. Observe operation of the audible signal when the Emergency Stop is activated.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Hoistway doors	Examine the door panel and clearance between the panel and entrance frames. Examine proper interlock functionality and operation. Adjust as needed.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Unlocking device	Examine the hoistway door unlocking device for damage. Repair or adjust as needed.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Hoistway cleaning	Clean dirt and trash from all horizontal surfaces including the car and entrance sills.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Unauthorized use and installation	- Unauthorized equipment installed in the hoistway - Damage to the hoistway enclosure which would affect its fire resistance rating - Evidence of intentional acts - Any evidence of unauthorized people entering the hoistway	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months

3. Machine Room

*Minimum once a year is required

Verification		Frequency
Housekeeping (Required with Remote Controller Option)	Clean the machine room floor to prevent slipping and trip hazards, fire hazards and contamination of the equipment. Ensure the machine room is not being used for storage and inform the customer of any violation.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Trash, used parts, etc.	Ensure that all trash is discarded after maintenance is complete.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months

Verification		Frequency
Controller and starter	Examine the controller and motor starter for: - Cleanliness - Condition of contacts and remaining contact material - Fuses for correct size and fit in holders and corrosion in fuseholder - Relays for worn shunts and signs of overheating - Evidence of overheating	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months

4. Top of Car

*Minimum once a year is require

Verification		Frequency
Stop switch	Verify the car will not run with the stop switch in the STOP position.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Cleanliness	Clean all debris from the car top.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Top car guides	Examine car rail to hoistway rail conditions at the car top. Note any abnormal wear patterns or changes in alignment.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Guide rails	Examine the car rails for loose fastenings and fit at all joints.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Traveling cable	Examine the traveling cables for wear, chafing, kinking and alignment. Examine the attachment points for secure fastening and looseness.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Doors, hangers and locks	- Verify the interlock is functioning properly. - With the door open, attempt to move the car using the hall call and COP buttons. - Observe the door closing for any roughness in bearings, inconsistent operation, or misalignment	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months

Verification		Frequency
Examine the ropes	Examine the car ropes for equal tension, and visually inspect for any frays or deformation of the ropes which would negatively impact their strength.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Leaving car top	Clean up and dispose of debris properly. Return the car to normal operation and the stop switch to the RUN position.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months

5. Pit (If applicable)

*Minimum once a year is required

Verification		Frequency
Stop switch and light	Examine the operation and condition of the stop switch. Repair as needed	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Cleaning	Clean the pit. Examine the bottom level landing sill and clean as needed.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Bottom car guides	Examine car rail to hoistway rail conditions at the car bottom. Note any abnormal wear patterns or changes in alignment.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Traveling cable	Examine the traveling cables for wear, chafing, kinking and alignment. Examine the attachment points for secure fastening and looseness.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Leaving the pit	Remove all tools and verify operation of the elevator.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months

6. Overspeed (New Car)

*Minimum once a year is required

Verification		Frequency
Overspeed belt	Make sure the overspeed belt is in good condition and that it has no frays or cuts. Check that the ends are secure.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Overspeed system	Check for any signs of wear in the overspeed system. Remove any dust or dirt from the belt and pulleys. Do not use harsh chemicals on the overspeed components; use only mild detergents.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months

7. Electrical Circuit Overspeed (Original Car)

*Minimum once a year is required

Verification		Frequency
Plastic flywheel	Check to ensure the plastic flywheel rotates during lift operation (gears are fully engaged)	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Plastic flywheel gear	Check for wear (ensure all teeth are present) and replace as needed.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months
Plastic shaft bushings	Check for wear and replace as needed.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months

8. Brakes

*Minimum once a year is required

Verification		Frequency
Safety brakes and motor brake	Verify proper operation of the safety brakes and the motor brake. Check with full load every 12 months.	Normal: Once a Year Heavy: Every Year Excessive: Every 6 months

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Maintenance Record

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Vuelift[®]
Residential
Elevator

Owner's Manual
(Europe)

For service or questions about this product,
please contact your installing dealer.

Dealer Name: _____

Dealer Phone: _____

Savaria Concord Lifts, Inc.
2 Walker Drive Brampton ON L6T 5E1 Canada

 **savaria.**
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