



# Multilift

Vertical  
Platform Lift

Owner's  
Manual

 savaria®

## IMPORTANT – READ FIRST

Ensure that only an authorized Savaria mechanic installs and services your Lift. Under no circumstances is anyone other than a mechanic 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 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 the manufacturer's recommendations and maintenance schedule.

Refer to this owner's manual for unit description, setup, operating instructions, and a maintenance schedule for your Lift. Upon completion of installation, the Savaria mechanic must provide you with the information for the box below and ensure it is recorded in this owner's manual. In addition, either you or the Savaria mechanic must keep any service and/or maintenance records in the Maintenance Record section of this owner's manual.

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

**United States:** A18.1–Safety Standard for Platform Lifts and Stairway Chairlift

**Canada:** CSA B355/613–Platform lifts and stair lifts for barrier-free access

**Europe:** EN-81-40–Stairlifts and inclined lifting platform intended for persons with impaired mobility

**Europe:** 2006/42/EC–Machinery Directive

Depending on your country or region, the local authority code variant may apply. To ensure safe operation of your Lift, pay careful attention to the important notes, and follow the instructions and any additional safety regulations in this manual.

## FOR OWNER'S RECORDS

Customer Name: \_\_\_\_\_

Installing Dealer: \_\_\_\_\_

Dealer's Telephone Number: \_\_\_\_\_

Date Installed: \_\_\_\_\_

Serial/Job Number: \_\_\_\_\_

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## 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.

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## 1. SAFETY INSTRUCTIONS

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

### To Ensure Safety

- 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.
- 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.



**At no time should children under the age of 16 use the lift while unsupervised.**

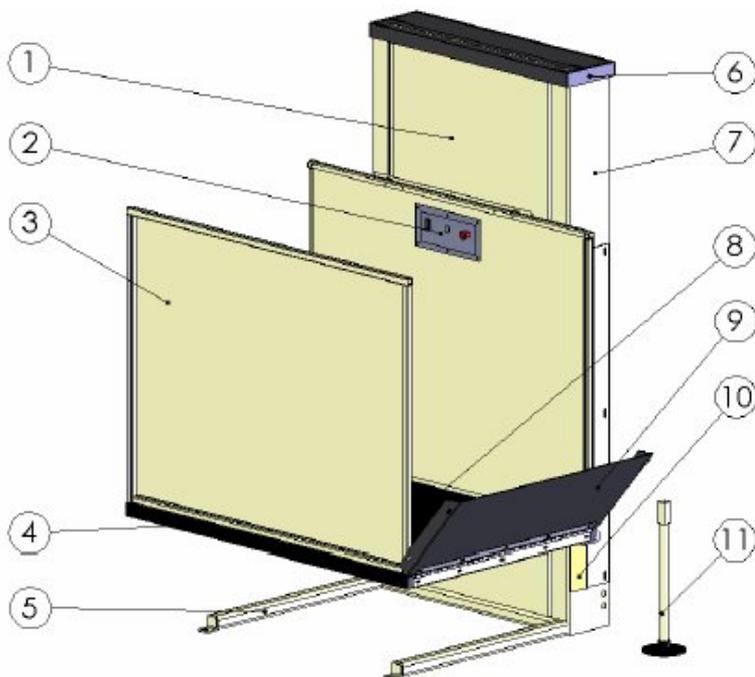
- Prior to operation, make sure that:
  - All doors and gates are locked and secure.
  - All areas in and around the lift are clear of any obstructions.
  - All lights are functioning properly.
- Test your keys and emergency stop button every month.

## 2. DESCRIPTION

### Exterior View

Figure 1 shows the exterior components of the Multilift.

**Figure 1**



Number	Description	Number	Description
1	Front tower panel	7	Tower
2	Car operating panel (C.O.P.)	8	Non-skid platform
3	Side guard panel	9	Automatic access ramp
4	Safety underpan sensors	10	Access ramp channel
5	Self support base	11	Manual lowering device
6	Tower cover	-	-

## Platform Gate

The platform gate is shown in Figure 2. This feature is optional for residential use and required for public applications. The gate must be in the fully closed position for the lift to operate.

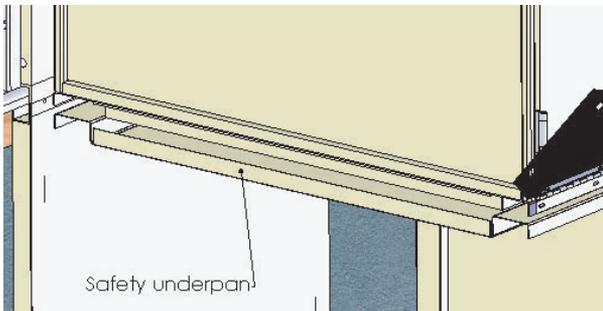
**Figure 2**



## Safety Underpan

The safety underpan (shown in Figure 3) is located under the platform. The underpan has sensors that detect any obstacles and stop the downward travel of the lift. This is optional on enclosed units and required on other units.

**Figure 3**



## Emergency Stop Button

Pressing the red Emergency Stop button during travel will stop the lift immediately and activate the alarm (if equipped). The Emergency Stop overrides the landing (call/send) stations. Pull the Emergency Stop out to return the lift to normal operation.

## Manual Lowering Device

In case of an emergency, you can lower the platform manually using the hand crank provided (Figure 4).

Take off the cap and insert the hand crank as shown in Figure 6. Turn the hand crank to move the platform to the desired position at the lower landing. Remove the hand crank and put the cap back on.

### NOTE

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

**Figure 4**



## Door Locks

The door lock keeps the door/gate locked when the platform is moving and not at a landing.

- WR-500 lock
- GAL lock
- Prolock

### NOTE

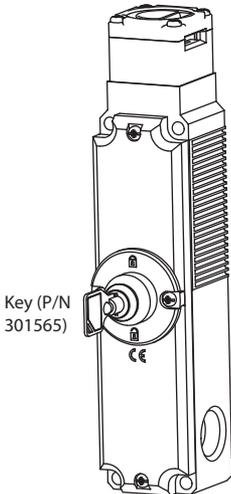
*Keys are for emergency use only and should always be kept in a safe place for use by trained personnel only.*

### Emergency Door Opening

For units with a **WR-500 lock**, the door can be opened manually using the emergency key provided (Figure 5).

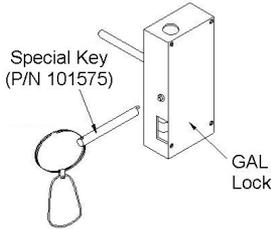
Insert the key into the lock and turn it a half turn clockwise to unlock the door. Pull the door open and then turn the key a half turn counter-clockwise to remove it from the lock.

**Figure 5**



For units with a **GAL lock** or **Prolock**, the door can be opened manually using a special key inserted into the round pin on the front of the lock (Figure 7).

**Figure 6**



**NOTE**

*After use of any emergency function (access key or manual lowering device), ensure that all doors/gates are secure and locked. While the emergency function is in use, DO NOT leave the area unattended.*

### 3. SPECIFICATIONS

#### Multilift Specifications

Applications	Residential (indoor/outdoor); commercial (U.S.A.)
Load capacity	750 lb (340 kg)
Maximum travel	48" (1219 mm); optionally 72" (1829 mm)
Levels serviced	2
Travel speed	8 ft/min (0.04 m/s)
Daily cycle	Normal: 10 Heavy: 25 Excessive: 40 Maximum starts in 1 hour on standard installation: 10
Platform sizes	34" x 48" (863 mm x 1219 mm) 34" x 54" (863 mm x 1371 mm) 34" x 60" (863 mm x 1524 mm) 36" x 48" (914 mm x 1219 mm) 36" x 54" (914 mm x 1371 mm) 36" x 60" (914 mm x 1524 mm) 42" x 60" (1067 mm x 1524 mm)
Side guard panels	42" (1067 mm) side guard panels on platform
Cab access	Front/rear access (platform Type 2) 90 degree access (platform Type 3 and 4)
Power supply	120 VAC, 20 A, 60 Hz, single phase
Drive system	Acme screw and back-up nut 1 hp (0.75 Kw) motor, 110 VAC Optional 1/2 hp, 12-volt battery model available
Control system	Electronic-free relay logic controller
Finish	Beige electrostatic powder coat paint on all steel surfaces and vacuum-formed plastics

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Features	Call/send stations at landings Continuous-pressure type buttons Operating control buttons on platform Manual lowering/raising device Low-voltage controls Underpan sensors Non-skid platform surface Automatic access ramp Emergency stop button
Options	Battery back-up option Savaria Link monitoring option

## 4. USING THE DEVICE

### IMPORTANT

**Prior to operating the lift, a manual wheelchair MUST have the wheels locked and any power-operated device MUST have the power turned off. If using the provided fold-down seat, ensure that the seat belt is securely fastened.**

### NOTE

*Position the wheelchair, scooter or walker CENTRAL on the platform.*



### WARNING

**DO NOT drive against the fold-up ramp. For units with a fold-up ramp without a platform gate, the user MUST be seated. DO NOT use the lift while standing.**

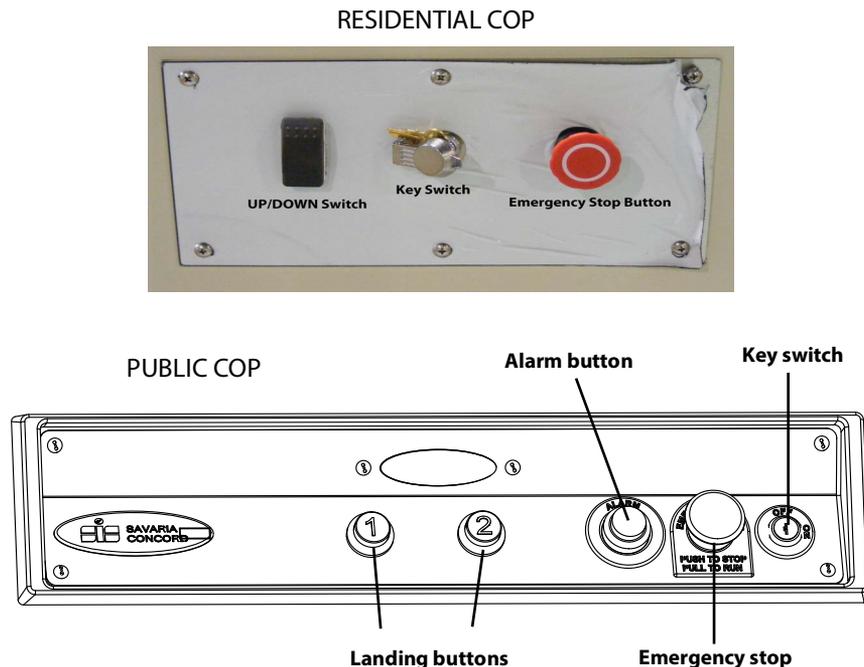
### Attendant Operation

- The attendant shall only operate the lift from the call station located at the lower landing if the lift is unenclosed.
- The attendant shall have full view of the floor area under the lift and of the rider at all times.
- If the lift is enclosed, the lift can be operated from the upper landing provided the operator has view of the rider at all times.
- During attendant operation, the car directional controls must not be operational.

## Operating from the COP Controls

Figure 2 shows the Multilift car operating panel (COP).

**Figure 2**



To operate the Multilift from the COP controls:

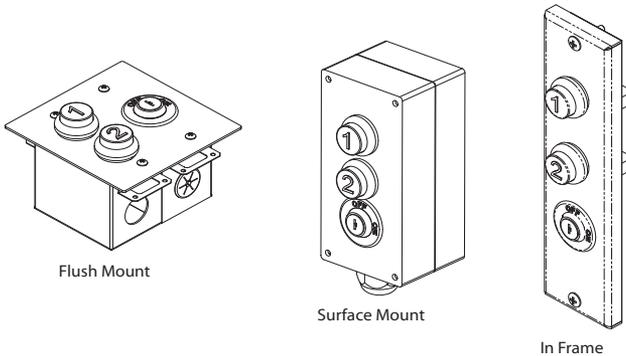
- 1** Insert the key into the key switch and turn it to the ON position to activate the operating buttons.
- 2** Apply constant pressure on the UP/DOWN switch (as required) to move the platform to the desired landing. Note that the Multilift will not move if one of the doors /gates is open.
- 3** When the lift reaches the landing, the door will unlock automatically (for units with mechanical GAL locks). For units with an interlock (WR500 or Prolock), the door will unlock automatically for a few seconds when the lift reaches the landing. If you need to re-open the door after the delay, turn the key to the ON position and press the call button again to unlock the door.

- 4 To prevent unauthorized use of the lift, take the key out when the unit is not in operation.
- 5 Pressing the Emergency Stop button during travel will stop the lift immediately and activate the alarm (if equipped). The Emergency Stop overrides the landing station controls. Pull the Emergency Stop out to return the lift to normal operation.
- 6 If the COP has an optional Alarm button, pressing the Alarm button during travel will activate the alarm. **If the door is locked at a landing, you can press the Alarm button to unlock the current landing door.**

## Operating from the Landing Station Controls

Figure 3 shows the landing station (hall call) controls.

**Figure 3**



To operate the Multilift from the landing (call/send) station controls:

- 1 Insert the key into the key switch and turn it to the ON position to activate the operating buttons.
- 2 Apply constant pressure on the appropriate button to call the platform to the desired landing. Note that the Multilift will not move if one of the doors/gates is open.
- 3 When the lift reaches the landing, the door will unlock automatically (for units with mechanical GAL locks). For units with an interlock (WR500 or Prolock), the door will unlock automatically for a few seconds when the lift reaches the landing. If you need to re-open the door after the delay, turn the key on and press the call button again to unlock the door.
- 4 To prevent unauthorized use of the lift, take the key out when the unit is not in operation.

## 5. TROUBLESHOOTING



### WARNING

**Only qualified technicians are authorized to perform repairs and maintenance. DO NOT manipulate, modify or remove any safety feature of the lift. If any issues persist, please contact your authorized Savaria Dealer**

Potential Problem	Possible Solution
Platform travels up but not down	Check the underpan sensor. Pull down on the underpan to ensure the pan is not stuck in the activated position.
Platform travels down but not up	Verify the charge and fluid level of the battery (battery operation only).
Platform does not move in either direction	<p>Check that the key is ON (if applicable).</p> <p>Check that the doors are closed.</p> <p>Check to see if the Emergency Stop button is pushed in; it should be pulled out for normal operation.</p> <p>If the platform is at the top landing, check the underpan sensor as described above.</p> <p>Check the power supply (breaker, cord, etc.).</p>

## 6. MAINTENANCE

Multilift is subject to wear and tear from use. You must perform the checks and actions in the following tables to ensure safety and proper operation.

### IMPORTANT

**Savaria products are only to be installed, adjusted, serviced, or maintained by Savaria licensed dealers and technicians. Your Savaria product will have the warranty voided if a non-Savaria approved technician performs work on the Savaria product.**

**For units with high or excessive daily cycles, outdoor use, or use in harsh environments, inspection and maintenance should be conducted more frequently to ensure optimal performance.**

**IMPORTANT:** Please test the phone in your elevator during every maintenance. If the phone is inactive, please shut down the elevator until the phone line is active. This applies to all lifts in a hoistway or enclosure models.

## Maintenance Schedule (General)

Verification	Frequency (Commercial/ Exterior)	Frequency (Residential)
Verify correct operation of the phone (where applicable).	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months
Verify the following: <ul style="list-style-type: none"> <li>• General operation of the lift</li> <li>• Operation of the underpan sensors</li> <li>• Operation of the emergency stop</li> <li>• Operation of the door and gate lock contacts. The lift should not run unless the door or gate is closed and locked.</li> </ul>	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months
Verify the door lock operation: <ul style="list-style-type: none"> <li>• The lift is operational when the door is locked</li> <li>• The lift is NOT operational when the door is open at a landing</li> <li>• Insert the lock key to manually unlock the door and ensure the following:               <ul style="list-style-type: none"> <li>- The lift is NOT operational when the door is manually unlocked with the key</li> <li>- The key cannot be removed from the lock</li> </ul> </li> </ul>	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months
Verify that all hardware is tightened.	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months

<p>Check the rollers (function and wear).</p>	<p>Every 6 months</p>	<p><b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months</p>
<p>Check the battery fluid level (optional system). Also check the voltage with the charger unplugged (13 VDC unloaded and no lower than 10-11 VDC when running up/down).</p>	<p>Every 6 months</p>	<p><b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months</p>
<p>Verify the safety components:</p> <ul style="list-style-type: none"> <li>• Operation and alignment of the up final limit switch (activate by hand)</li> <li>• Operation of the back-up nut switch</li> <li>• Operation of the load switch. Lower the platform to the ground using the hand crank to release the load on the main nut. The lift should not run up until you restore the load on the main nut by moving the platform up with the hand crank.</li> <li>• Operation of the up relays. Verify that neither of the two up relays gets stuck in the activated position. Use a multimeter to verify that every N.O. contact is open when the relays are not activated.</li> </ul>	<p>Every 6 months</p>	<p><b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months</p>
<p>Lubricate the acme screw, and upper and lower bearings using high-quality wheel bearing grease.</p>	<p>Every 6 months</p>	<p><b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months</p>

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Ensure that all filler panels (aluminum, Plexiglas or glass) are securely fastened in the enclosure, doors and gates.	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months
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## Maintenance Schedule (Adjusted)

Some Jurisdictions have their own state, county or local code that deviate from national code. Please fill out the below information with the requirements of your region:

**Savaria Job Number:** \_\_\_\_\_

**Installation Address:** \_\_\_\_\_

Verification	Adjusted
Verify correct operation of the phone (where applicable).	
Verify the following: <ul style="list-style-type: none"> <li>• General operation of the lift</li> <li>• Operation of the underpan sensors</li> <li>• Operation of the emergency stop</li> <li>• Operation of the door and gate lock contacts. The lift should not run unless the door or gate is closed and locked.</li> </ul>	
Verify the door lock operation: <ul style="list-style-type: none"> <li>• The lift is operational when the door is locked</li> <li>• The lift is NOT operational when the door is open at a landing</li> <li>• Insert the lock key to manually unlock the door and ensure the following:                             <ul style="list-style-type: none"> <li>- The lift is NOT operational when the door is manually unlocked with the key</li> <li>- The key cannot be removed from the lock</li> </ul> </li> </ul>	
Verify that all hardware is tightened.	
Check the rollers (function and wear).	
Check the battery fluid level (optional system). Also check the voltage with the charger unplugged (13 VDC unloaded and no lower than 10-11 VDC when running up/down).	

<p>Verify the safety components:</p> <ul style="list-style-type: none"><li>• Operation and alignment of the up final limit switch (activate by hand)</li><li>• Operation of the back-up nut switch</li><li>• Operation of the load switch. Lower the platform to the ground using the hand crank to release the load on the main nut. The lift should not run up until you restore the load on the main nut by moving the platform up with the hand crank.</li><li>• Operation of the up relays. Verify that neither of the two up relays gets stuck in the activated position. Use a multimeter to verify that every N.O. contact is open when the relays are not activated.</li></ul>	
<p>Lubricate the acme screw, and upper and lower bearings using high-quality wheel bearing grease.</p>	
<p>Ensure that all filler panels (aluminum, Plexiglas or glass) are securely fastened in the enclosure, doors and gates.</p>	

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# Multilift

## Vertical Platform Lift

### Owner's Manual

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

Dealer Name: \_\_\_\_\_

Dealer Phone: \_\_\_\_\_

Authorized Savaria Dealer

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



[savaria.com](http://savaria.com)

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