



Telecab

Home Lift

Owner's
Manual

 savaria®

IMPORTANT

Ensure that only an authorized Savaria Dealer installs and services the Telecab Home Lift. 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 Telecab Home Lift.

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 INSTRUCTIONS4
 - To Ensure Safety4
- 2. DESCRIPTION5
 - Exterior View6
 - Safety Underpan and Floor Plug Sensors6
 - Door Lock and Open Door Sensor6
 - Safety Brake7
 - Emergency Stop Button7
 - Manual Lowering and Battery Lowering System8
- 3. SPECIFICATIONS9
- 4. USING THE DEVICE11
 - Operating from the COP Controls11
 - Operating from the Landing Station Controls12
- 5. CLEANING13
 - A. Metal Surfaces13
 - Washing (Metal Surfaces)13
 - Dusting (Metal Surfaces)13
 - B. Acrylic Panels13
 - Washing (Acrylic Panels)14
 - Dusting (Acrylic Panels)14
 - Polishing (Acrylic Panels)14
 - Neutralizing Static (Acrylic Panels).....15
 - Cleaners.....15
- 6. TROUBLESHOOTING16
- 7. MAINTENANCE17
 - Maintenance Schedule (General)18
 - Maintenance Schedule (Adjusted)21
 - Maintenance Record23

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.

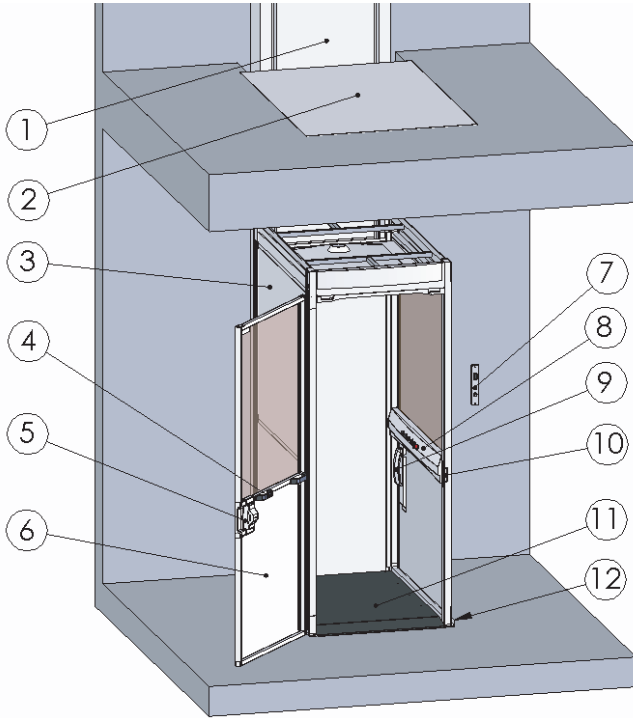
- Prior to operation, make sure that:
 - All doors and gates are locked and secure.
 - All areas in and around the lift are clear of any obstructions.
 - All lights are functioning properly.
- Test your keys and emergency stop button every month.

2. DESCRIPTION

Exterior View

Figure 1 shows the exterior components of the Telecab.

Figure 1



No.	Description	No.	Description
1	Tower	7	Hall station (call/send)
2	Floor plug	8	Car operating panel (COP)
3	Cab	9	Emergency telephone
4	Door handles	10	Electromechanical door lock
5	Door latch	11	Non-skid platform
6	Cab door	12	Safety underpan

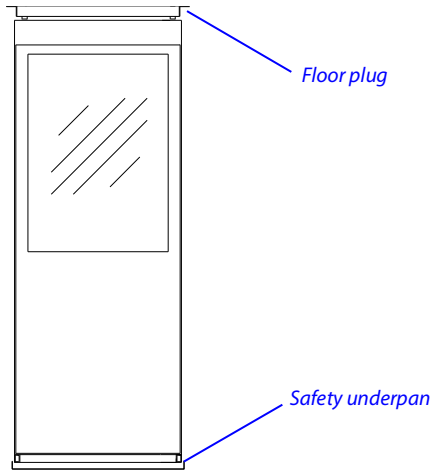
SAFETY FEATURES

Safety Underpan and Floor Plug Sensors

The safety underpan (Figure 2) is located under the Telecab platform. The underpan has sensors that detect any obstacles and stop the downward travel of the lift.

The floor plug sensors (Figure 4) are located on top of the Telecab and will stop the upward travel of the lift if an obstacle that weighs more than 20 lb (9.1 kg) is detected on the floor plug.

Figure 2



Door Lock and Open Door Sensor

The WR-500 lock keeps the cab door locked when the Telecab is operating or not at a landing.

The door open sensor prevents the Telecab from moving when the cab door is open.

Emergency Door Opening

The cab door can be opened using the emergency key provided (note that two identical emergency keys are provided).

To open the door in an emergency situation, insert the key into the hole of the WR-500 lock (Figure 3) and turn it.

Figure 3



Note that the key is for emergency use only and should be stored in a safe place.

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.

Safety Brake

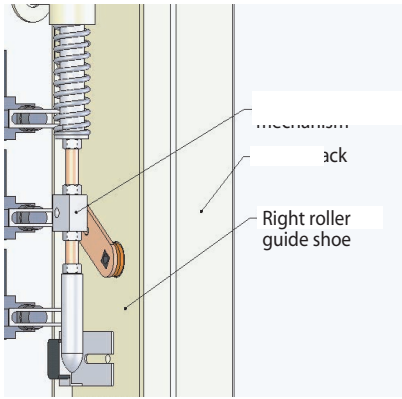
The safety brake stops the platform in the event of chain failure.

When the platform is in operation, the chain tension keeps the brake mechanism up (Figure 4) so that the brake's cam doesn't interfere with the tower track.

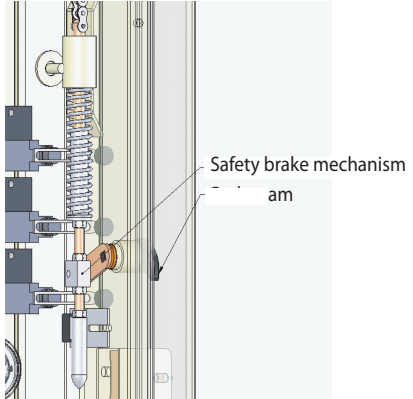
If a chain failure occurs, the brake mechanism comes down (Figure 6) and the brake cam stops the platform.

Figure 4

Safety brake in operating position



Safety brake in down position



Emergency Stop Button

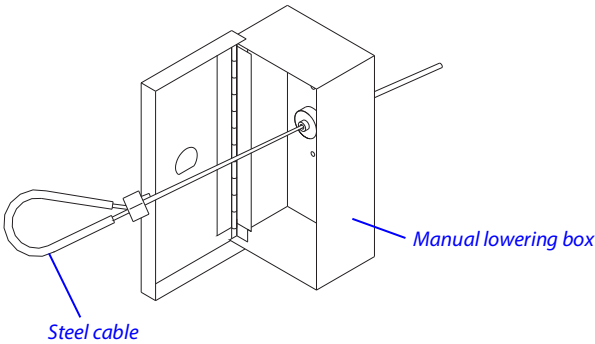
Pressing the red Emergency Stop button during travel will stop the lift immediately and activate the alarm. The Emergency Stop overrides the landing stations (hall calls). Pull the Emergency Stop out to return the lift to normal operation.

Manual Lowering and Battery Lowering System

If a power failure occurs, a battery lowering system will bring the Telecab to the bottom level. If the battery fails while operating, there is also a remote manual lowering device that you can use to lower the Telecab to the bottom level.

The manual lowering box (Figure 5) is located on the side of the Telecab. Pull on the steel cable located inside the manual lowering box to lower the Telecab to the bottom level.

Figure 5



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.

3. SPECIFICATIONS

Telecab Home Lift Specifications

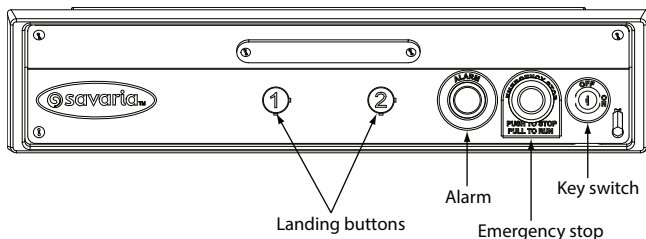
Load capacity	500 lbs. (227 kg)
Maximum travel	23 ft (7.0 m)
Travel speed	20 ft/min (0.1 m/s)
Daily cycle	Normal: 30 Heavy: 75 Excessive: 100 Maximum starts in 1 hour on standard installation: 12
Tower	Modular 8 ft (2.4 m) base guide rail assembly Roller guide support
Control system	115 VAC relay logic operation 115 VAC up direction and 24 VDC down direction
Levels serviced	2 levels
Platform	Non-skid platform
Power supply (circuit supplied by others)	110 VAC, 20 A, 60 Hz, single phase
Lighting supply (circuit supplied by others)	120 volt, 60 Hz, single phase
Motor/pump	24 VDC, 3 Hp (2.1 kW) Gear type hydraulic pump
Electrical	Automatic battery recharging system (115 VAC) Low voltage controls
Drive system	2:1 roller chain hydraulic
Temperature operating range	-10 °C to +40 °C (14 °F to 104 °F)
Minimum overhead clearance	96" (2438 mm) to have 6" minimum clearance by code 92" (2337 mm) with variance
Cab access	Front access only (standard) Left or right access (optional); with optional 2-door access

Cab sizes	<p>Standard: 30" x 46" x 78" (762 mm x 1168 mm x 1981 mm)</p> <p>Optional: 32" x 53" x 78" (813 mm x 1346 mm x 1981 mm) 30" x 47" x 78" (762 mm x 1194 mm x 1981 mm) 32" x 54" x 78" (813 mm x 1372 mm x 1981 mm)</p>
Hall calls	<p>Continuous pressure directional push buttons Keyed call/send</p>
Color and finish	<p>White electrostatic powder coat Clear or bronze acrylic windows</p>
Safety features	<p>Adjustable top floor presence detector built into the cab Door interlock Underpan safety sensor Emergency stop and alarm Emergency battery lowering Manual emergency lowering Fully-enclosed drive tower Pressure relief valve to prevent platform overload Slack chain safety device Two LED lights in cab Telephone in cab</p>
Optional equipment	<p>Battery operation in up and down directions Two door concept (left/right access) Custom cab size Custom color Hydraulic door closer Automatic door operator</p>

4. USING THE DEVICE

Operating from the COP Controls

Below shows the car operating panel (COP) controls.

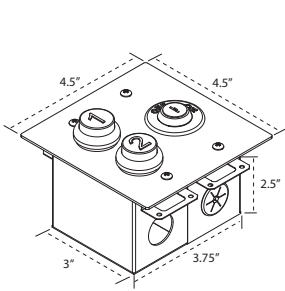


To operate the Telecab from the COP controls:

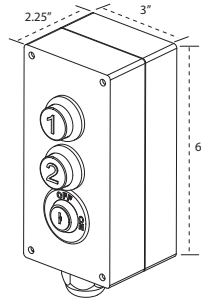
- 1 Insert the key into the key switch and turn it clockwise to the operating position. The key is in the operating position when it cannot be pulled out.
- 2 Apply constant pressure on the appropriate landing button to move the Telecab in the desired direction. Note the following:
 - The Telecab will not move if the door is open.
 - The Telecab will stop moving in the down direction if the underpan sensor detects an object underneath it.
 - The Telecab will stop moving in the up direction if it reaches the floor plug and the floor plug sensor detects an object on it that weighs more than 20 lb (9.1 kg).
- 3 When the cab reaches the landing, the door will unlock automatically for a few seconds. You need to put a little pressure on the door in the closing direction in order to release the latch mechanism. 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 Pressing the Emergency Stop button during travel will stop the lift immediately and activate the alarm. The Emergency Stop overrides the landing station (hall call) controls. Pull the Emergency Stop out to return the lift to normal operation.
- 6 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

Below shows the different types of landing station (hall call) controls.



Flush mount



Surface mount

To operate the Telecab from the landing station (hall call) controls:

- 1 Insert the key into the key switch and turn it clockwise to the operating position. The key is in the operating position when it cannot be pulled out.
- 2 Apply constant pressure on the appropriate up/down button to move the Telecab in the desired direction. Note the following:
 - The Telecab will not move if the door is open.
 - The Telecab will stop moving in the down direction if the underpan sensor detects an object underneath it.
 - The Telecab will stop moving in the up direction if it reaches the floor plug and the floor plug sensor detects an object on it that weighs more than 20 lb (9.1 kg).
- 3 When the cab reaches the landing, the door will unlock automatically for a few seconds. You need to put a little pressure on the door in the closing direction in order to release the latch mechanism. 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. CLEANING

A. Metal Surfaces



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



DO NOT use any cleaning product anywhere on the entire unit that contain any amount of citrus, ammonia or petroleum. This includes Windex[®] and most traditional glass cleaners, as well as many “natural” cleaning solutions.



DO NOT use window cleaning sprays, kitchen scouring compounds or solvents such as acetone, gasoline, benzene, alcohol, carbon tetrachloride, or lacquer thinner. These can scratch the finish of the metal and damage nearby acrylic panels.

Washing (Metal Surfaces)

Clean the Metal Surfaces with a mild soap and water solution using a new microfiber cloth or with a melamine sponge such as a Mr. Clean Magic Eraser with water. Use a clean soft cloth, applying only light pressure. Rinse with clean water and dry by blotting with a damp cloth or chamois.

Not using harsh chemicals will preserve not only the look and texture of the powder coated metal, but also protect the acrylic sheets.

The fumes from many chemical cleaners (including citrus-based cleaners) will cause the acrylic to have surface cracks or create cracks that can go all the way through and can result in safety hazards.

Dusting (Metal Surfaces)

Dust the painted surfaces with a soft, damp microfiber cloth or chamois. Dry, gritty or previously used cloths may cause surface scratches.

B. Acrylic Panels



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



DO NOT use any cleaning product anywhere on the entire unit that contain any amount of citrus, ammonia or petroleum. This includes Windex[®] and most traditional glass cleaners, as well as many "Natural" cleaning solutions.



DO NOT use window cleaning sprays, kitchen scouring compounds or solvents such as acetone, gasoline, benzene, alcohol, carbon tetrachloride, or lacquer thinner. These can scratch the sheet's surface and/or weaken the sheet causing small surface cracks called "crazing".

Washing (Acrylic Panels)

Wash the acrylic panels with a microfiber cloth damp with water or with acrylic cleaner (see the list on the next page). Some precautions must be taken to ensure a long operating life and to maintain the acrylic panel clarity on your unit, including not using chemicals to clean the acrylic sheets. Use a clean soft cloth, applying only light pressure. Rinse with clean water and dry by blotting with a damp cloth or chamois.

Dusting (Acrylic Panels)

Dust acrylic panels with a soft, damp cloth or chamois. Dry or gritty cloths may cause surface scratches and create a static electric charge on the surface (refer to the section on Neutralizing Static Electricity on the next page).

Polishing (Acrylic Panels)

Protect the acrylic panels and maintain their surface gloss by occasional polishing with a good plastic cleaner and polish (refer to the section on Cleaners for a list of acceptable cleaners and polishes).

Apply a thin, even coat with a soft clean cloth and polish slightly with cotton flannel or a microfiber towel. Then wipe with a damp cloth to help eliminate electrostatic charges that can attract dust particles.

Neutralizing Static Electricity (Acrylic Panels)

NOTE

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

NOTE

Damage caused by inappropriate cleaners and techniques is not covered under warranty.

A static electrical charge can develop on the acrylic panels during handling and processing. This is not unique to the acrylic panels, but is common to many materials, particularly plastics.

When the paper or film masking is stripped off the acrylic sheet, a static charge is created on the sheet surface. Static electricity attracts dust, chips, etc. floating in the air or on nearby work surfaces and holds these contaminants tightly to the surface. A compressed air gun will remove some of this surface dirt, but much of it continues to cling to the sheet.

Several anti-static cleaners for plastics are also available which will reduce static electricity and dust attraction. Wiping with a soft damp cloth or chamois is all that is necessary to keep the acrylic panels dust-free between applications of these cleaners.

Cleaners

Cleaners which **MAY BE USED** for acrylic panels:

- Plexus® (Anti-Static Cleaner)
- Novus® #1, 2, and 3 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"

Cleaners which **SHALL NEVER BE USED** for acrylic panels:

- Windex® Glass Cleaner
- Sprayway Ammonia-Free Glass Cleaner
- Goo-Gone®
- Natural 100% Citrus Solvent De-greaser
- Any citrus-based cleaners.

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. 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
Telecab goes up but does not come down.	Check the underpan sensor. Pull down on the underpan to ensure the pan is not stuck in the activated position.
Telecab comes down but does not go up.	<p>Check the power supply (breaker, cord, battery, etc.).</p> <p>Check the floor plug switches. Lift the floor plug to ensure it is not stuck in the activated position.</p>
Telecab does not move.	<p>Check that the key is on.</p> <p>Check that the doors are closed.</p> <p>Check to see if the Emergency Stop is pushed in; it should be pulled out for normal operation.</p> <p>If the Telecab is at the bottom landing, check the floor plug switches as described above.</p> <p>If the Telecab is at the top landing, check the underpan sensor as described above.</p>

6. MAINTENANCE

Telecab 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 lift during every maintenance. If the phone is inactive, please shut down the lift until the phone line is active. This applies to all lifts in a hoistway or enclosure models

Maintenance Schedule (General)

Verification	Frequency (Residential)
<p>For units with an interlock, the lift should not move if any door is not closed and locked. For units with a GAL lock, the lift should not move if any door is not closed. The lift should not move beyond the door zone (usually less than four inches away from the landing in either direction) if the door is not locked.</p>	<p>Normal: Every Year Heavy: Every Year Excessive: Every 6 months</p>
<p>Verify the underpan is working. Be sure to insert the shoring pins.</p>	<p>Normal: Every Year Heavy: Every Year Excessive: Every 6 months</p>
<p>Verify correct operation of the phone (where applicable).</p>	<p>Normal: Every Year Heavy: Every Year Excessive: Every 6 months</p>
<p>Confirm doors or gates are all self-closing.</p>	<p>Normal: Every Year Heavy: Every Year Excessive: Every 6 months</p>
<p>Check that the Stop button works correctly</p>	<p>Normal: Every Year Heavy: Every Year Excessive: Every 6 months</p>

<p>Verify the door lock operation:</p> <ul style="list-style-type: none"> • The lift is operational when the door is locked • The lift is NOT operational when the door is open at a landing • Insert the lock key to manually unlock the door and ensure the following: • The lift is NOT operational when the door is manually unlocked with the key • The key cannot be removed from the lock when the door is manually unlocked 	<p>Normal: Every Year Heavy: Every Year Excessive: Every 6 months</p>
<p>Check the suspension system:</p> <ul style="list-style-type: none"> • Chains • Connecting links • Chain pulleys and shafts • Parts holding the chains on the roller supports • Chain tensioners on the rail (they should be tight) 	<p>Normal: Every Year Heavy: Every Year Excessive: Every 6 months</p>
<ul style="list-style-type: none"> • Cylinder head (cotter pins, cracks, welds) • Up relays - if you have two up relays (solenoids or contactors), make sure one of them is not stuck in the activated position. Use a multimeter to verify that every N.O. contact is open when the relays are not being activated. 	<p>Normal: Every Year Heavy: Every Year Excessive: Every 6 months</p>
<p>Check the safety brake.</p>	<p>Normal: Every Year Heavy: Every Year Excessive: Every 6 months</p>
<p>Check for oil leaks.</p>	<p>Normal: Every Year Heavy: Every Year Excessive: Every 6 months</p>

Check the rollers.	Normal: Every Year Heavy: Every Year Excessive: Every 6 months
Ensure that all filler panels (aluminum, Plexiglas or glass) are securely fastened in the enclosure, doors and gates.	Normal: Every Year Heavy: Every Year Excessive: Every 6 months

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
For units with an interlock, the lift should not move if any door is not closed and locked. For units with a GAL lock, the lift should not move if any door is not closed. The lift should not move beyond the door zone (usually less than four inches away from the landing in either direction) if the door is not locked.	
Verify the underpan is working. Be sure to insert the shoring pins.	
Verify correct operation of the phone (where applicable).	
Confirm doors or gates are all self-closing.	
Check that the Stop button works correctly	
Verify the door lock operation: <ul style="list-style-type: none"> • The lift is operational when the door is locked • The lift is NOT operational when the door is open at a landing • Insert the lock key to manually unlock the door and ensure the following: <ul style="list-style-type: none"> • The lift is NOT operational when the door is manually unlocked with the key • The key cannot be removed from the lock when the door is manually unlocked 	
Check the suspension system: <ul style="list-style-type: none"> • Chains • Connecting links • Chain pulleys and shafts • Parts holding the chains on the roller supports • Chain tensioners on the rail (they should be tight) 	

<ul style="list-style-type: none">• Cylinder head (cotter pins, cracks, welds)• Up relays - if you have two up relays (solenoids or contactors), make sure one of them is not stuck in the activated position. Use a multimeter to verify that every N.O. contact is open when the relays are not being activated.	
Check the safety brake.	
Check for oil leaks.	
Check the rollers.	
Ensure that all filler panels (aluminum, Plexiglas or glass) are securely fastened in the enclosure, doors and gates.	

Telecab

Home 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

Part No. 000627 Rev. 018

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