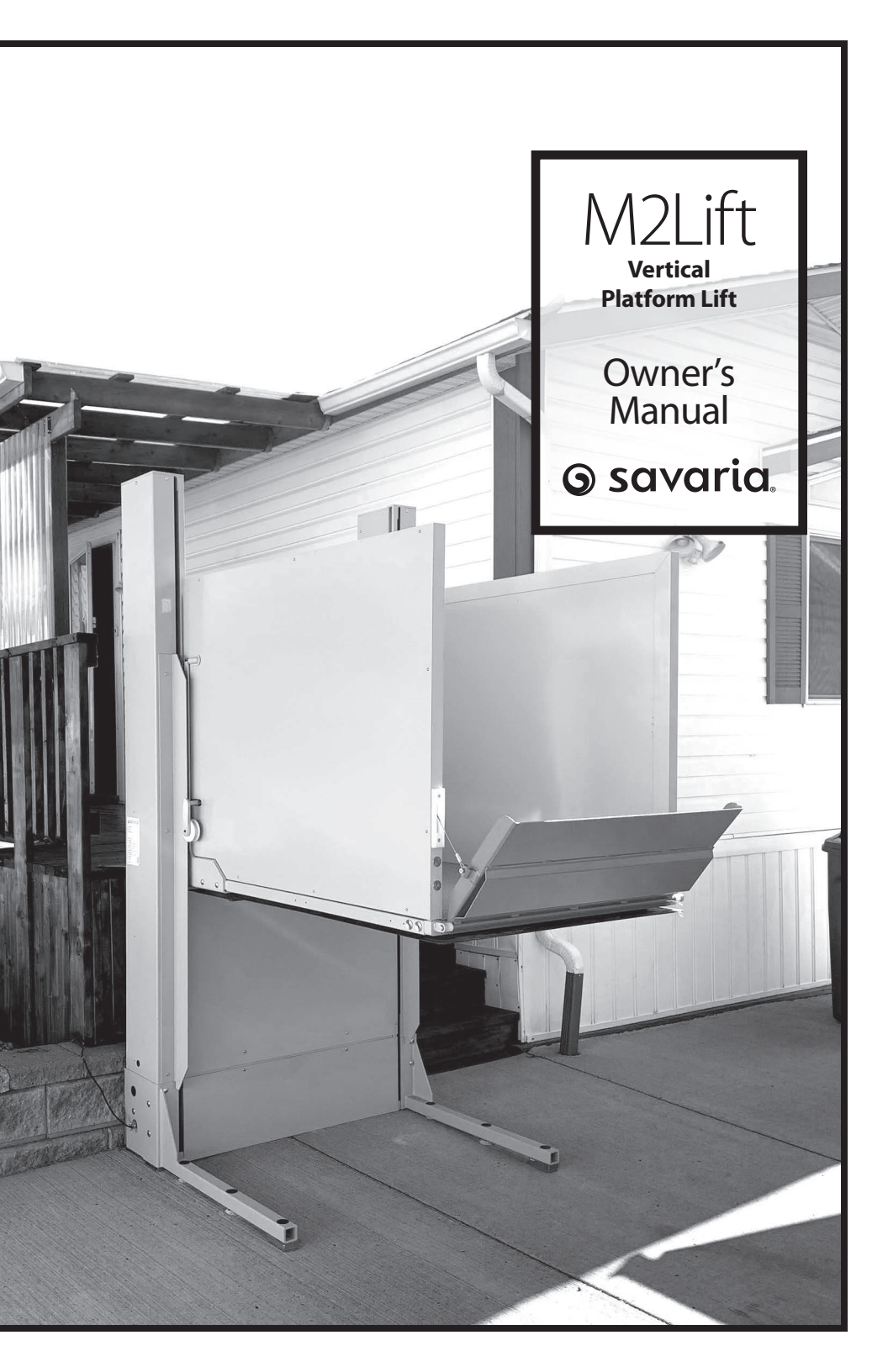


# M2Lift

**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.



### WARNING

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

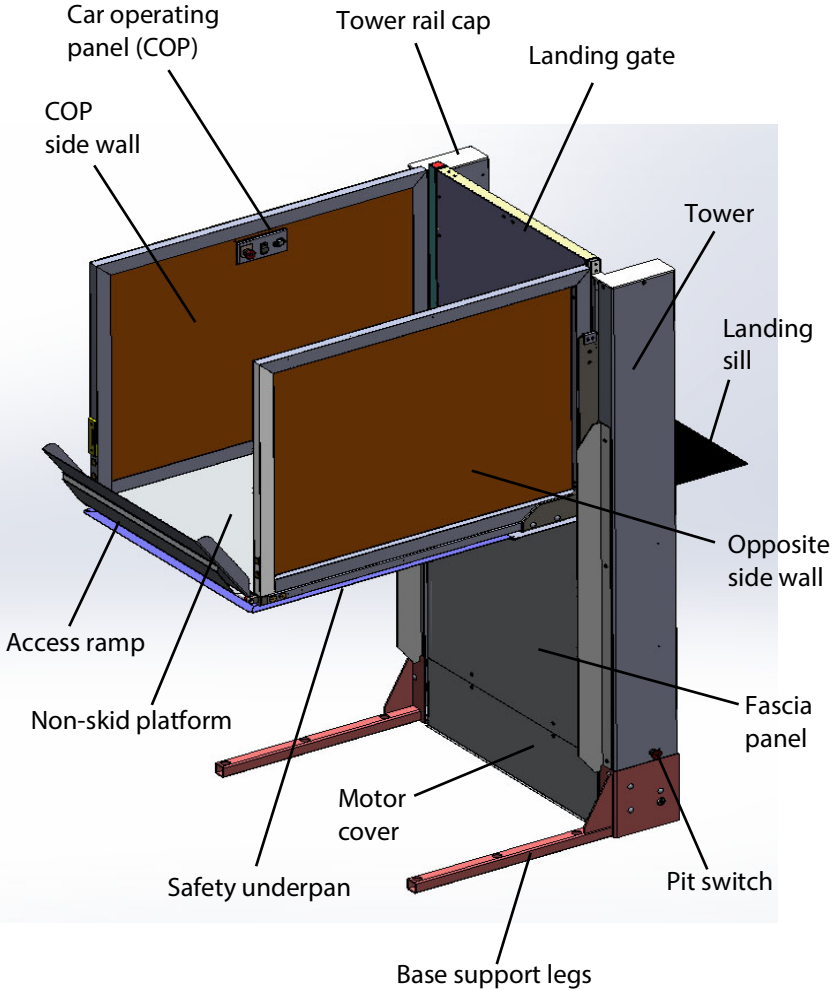
- Prior to operation, make sure that:
  - All doors and gates are locked and secure.
  - All areas in and around the lift are clear of any obstructions.
  - All lights are functioning properly.
- Test your keys and emergency stop button every month.

## 2. DESCRIPTION

### Exterior View

Figure 1 shows the exterior components of the M2LIFT.

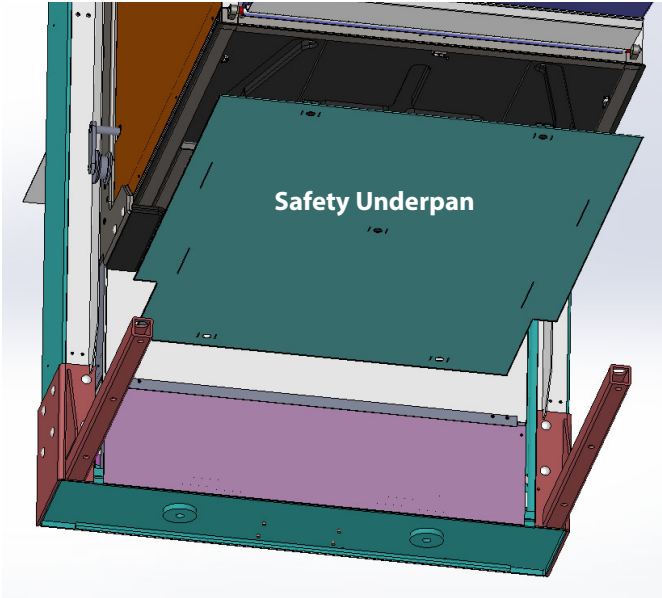
**Figure 1**



## Safety Underpan

The safety underpan (shown in Figure 4) 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 open hoistways.

**Figure 2**



## Gate Locks

The WR-500 gate lock keeps the gate locked when the platform is moving and not at a landing.

### NOTE

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

### Emergency Gate Opening

The gate can be opened manually using the emergency key provided for the WR-500 lock (Figure 5).

Insert the key into the lock and turn it a half turn clockwise to unlock the gate. Pull the gate open and then turn the key a half turn counter-clockwise to remove it from the lock. **DO NOT** open the gate if there is any chance of falling from the platform.

### Safety Brake

The motor **Safety Brake** stops the platform in the event of a chain failure.

During normal operation, the chain tension keeps the brake mechanism up so the brake cam does not interfere with the tower guide rail. If a chain failure occurs, the brake mechanism activates and stops the platform.

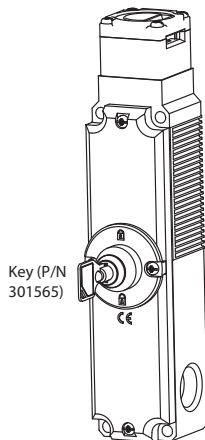
### Emergency Stop Button

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

### Battery Lowering

In the event of a power failure, press the DOWN button to bring the lift to the lower level.

Figure 5



### 3. SPECIFICATIONS

Load capacity	750 lb (340 kg)
Maximum travel	M2LIFT-40: 42" (1067 mm) M2LIFT-60: 62" (1575 mm) M2LIFT-75: 77" (1956 mm)
Minimum travel	15.5" (394 mm)
Levels serviced	2
Nominal speed	9 ft/min (0.046 m/s)
Daily cycle	Normal: 10 Heavy: 25 Excessive: 40 Maximum starts in 1 hour on standard installation: 5
Platform size	37 1/8" x 54 1/8" (9443 mm x 1375 mm)
Side wall height	42" (1067 mm)
Access	Front/rear access (type 2 cab)
Power supply	120 VAC, 15A, 60 Hz, single phase
Drive system	Direct drive gear Chain suspension
Motor	24 VDC, 1.3 HP, geared
Controller	LUT125 PCB
Finish	Electrostatic powder coat paint on all metallic surfaces and vacuumed formed plastics
Standard features	24VDC operation Wireless call/send stations at landings Constant-pressure type buttons Operating control buttons on platform Automatic battery recharging system (115 VAC) Low-voltage controls Limit switches Non-skid platform surface Automatic access ramp Emergency stop button (E-stop on COP) and alarm Pit switch (E-stop on tower) Safety underpan Motor safety brake Battery lowering Outdoor package



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## 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.*

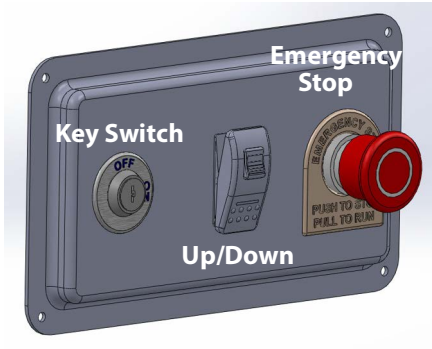
### Attendant Operation

- 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 a 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 car operating panel (COP).

**Figure 2**



To operate the lift from the COP controls:

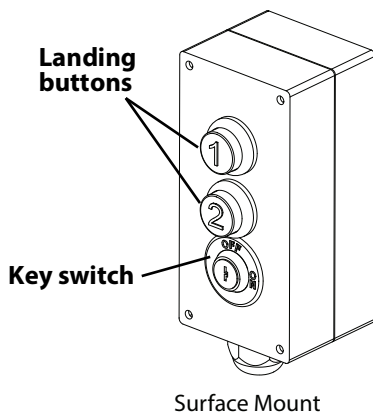
- 1** Insert the key into the key switch and turn it to the ON position to activate the operating buttons.
- 2** Apply constant pressure on the Up/Down button (as required) to move the platform to the desired landing. Note that the lift will not move if the gate is open.
- 3** When the lift reaches the landing, the gate will unlock automatically. If you need to re-open the door after a delay, turn the key to the ON position and press the call button again to unlock the gate.
- 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 controls. Pull the Emergency Stop out to return the lift to normal operation.
- 6** If the gate is locked at a landing for more than 10 seconds, you can press the Up button to unlock the gate.

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## Operating from the Landing Station Controls

Figure 3 shows the landing station (hall call).

**Figure 3**



To operate the lift 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** Press the appropriate landing button to move the platform to the desired landing. Note that the lift will not move if the gate is open.
- 3** When the lift reaches the landing, the door will unlock automatically. If you need to re-open the door after the delay, turn the key on and press the call Up 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 goes up but does not come down	Check the underpan sensors. Pull down on the underpan to ensure the pan is not stuck in the activated position.
Platform comes down but does not go up	Check that the power cord is plugged in.
Platform does not move	<p>Check that the key is ON.</p> <p>Check that the gate is closed.</p> <p>Check to see if the Emergency Stop buttons (on the COP and tower) are pushed in; they must be pulled out for normal operation.</p> <p>If the platform is at the top landing, check the underpan sensors as described above.</p> <p>Check that the power cord is plugged in.</p>

## 6. MAINTENANCE

M2 Lift 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.**



### DANGER

Technicians must always ensure the lift is safely shored when working under the platform.

## Maintenance Schedule (General)

Verification	Frequency (Commercial/ Exterior)	Frequency (Residential)
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.	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months
<b>Verify the underpan is working. Be sure to insert the shoring pins.</b>	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months
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
Confirm doors or gates are all self-closing.	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months
Check that the Stop button works correctly	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months

<p>Verify the door lock operation:</p> <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:</li> <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 when the door is manually unlocked</li> </ul>	Every 6 months	<p><b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months</p>
<p>Check the suspension system:</p> <ul style="list-style-type: none"> <li>• Chains</li> <li>• Connecting links</li> <li>• Chain pulleys and shafts</li> <li>• Parts holding the chains on the roller supports</li> <li>• Chain tensioners on the rail (they should be tight)</li> </ul>	Every 6 months	<p><b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months</p>
<ul style="list-style-type: none"> <li>• Cylinder head (cotter pins, cracks, welds)</li> <li>• 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.</li> </ul>	Every 6 months	<p><b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months</p>
<p>Check the safety brake.</p>	Every 6 months	<p><b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months</p>

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Check for oil leaks.	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months
Check the rollers.	Every 6 months	<b>Normal:</b> Every Year <b>Heavy:</b> Every Year <b>Excessive:</b> Every 6 months
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



## 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.	
<b>Verify the underpan is working. Be sure to insert the shoring pins.</b>	
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"> <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 when the door is manually unlocked</li> </ul> </li> </ul>	
Check the suspension system: <ul style="list-style-type: none"> <li>• Chains</li> <li>• Connecting links</li> <li>• Chain pulleys and shafts</li> <li>• Parts holding the chains on the roller supports</li> <li>• Chain tensioners on the rail (they should be tight)</li> </ul>	

<ul style="list-style-type: none"><li>• Cylinder head (cotter pins, cracks, welds)</li><li>• 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.</li></ul>	
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.	



# M2Lift

## 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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