

A black and white photograph of a Delta Straight Inclined Platform Lift. The lift is a white metal structure with a platform at the bottom and two inclined ramps extending upwards. The platform has a dark, textured surface and is flanked by two ramps with a ribbed texture. A control panel is mounted on the central vertical post, featuring a coiled handset and various buttons. The lift is positioned on a tiled floor next to a set of concrete steps. In the background, a wall has several electrical outlets and a control box. A semi-transparent white box in the upper right corner contains the title and logo.

Delta

Straight Inclined
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: _____

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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TO ENSURE SAFE OPERATION

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



WARNING

This symbol accompanies essential safety instructions. Follow these instructions and any additional safety regulations.

- Read this manual carefully before using the platform lift.
- To prevent accidents, adhere strictly to the instructions and keep clear of moving parts at all times.
- Never exceed the maximum load capacity as indicated on the side of the carriage.
- Passengers must remain in the wheelchair or seated while the lift is operating.
- 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 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.



WARNING

Wheelchair users must ALWAYS ride facing in the direction of travel. Users without a wheelchair must ride sitting down on the seat and wearing the safety belt.

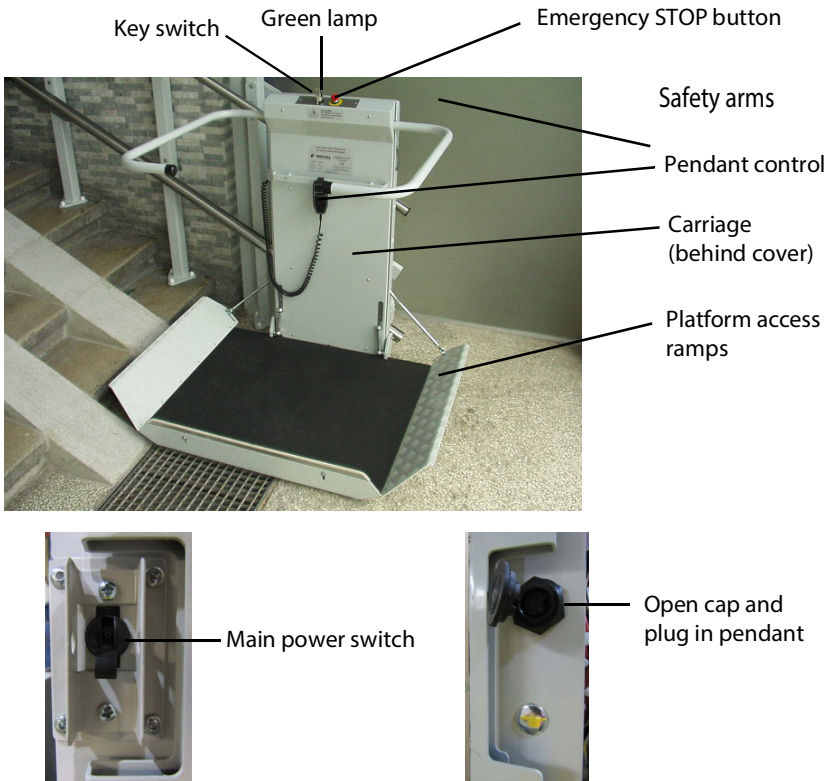
1. DESCRIPTION

Lift Unit

The lift unit is comprised of the components shown in Figure 1 below.

- Platform control panel which has a key switch, an emergency STOP button, an alarm button and a running light (see Figure 4 on page 7) to indicate that the unit is in use
- Safety arms
- Pendant control
- Carriage (behind cover)
- Platform access ramps
- Main power switch

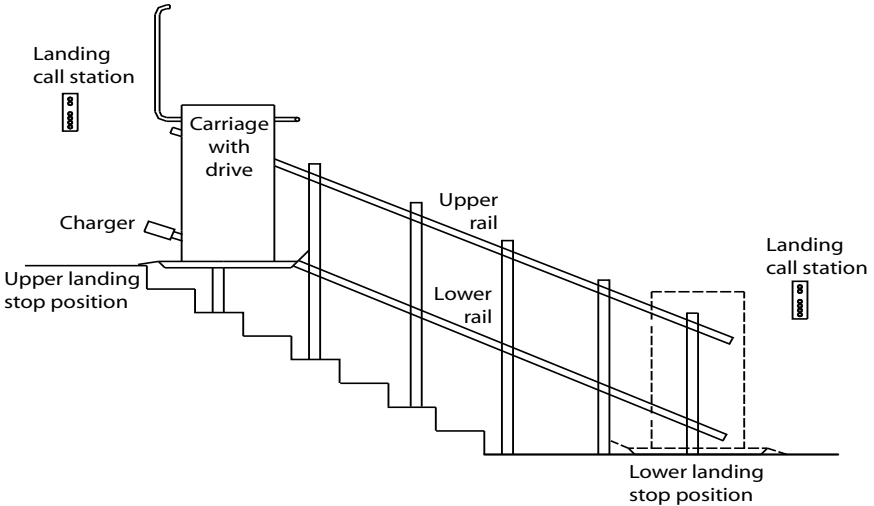
Figure 1



Guide Rails

The platform lift travels up and down the stairway along two guide rails – an upper rail and a lower rail. A sample installation layout is shown in Figure 5.

Figure 5



Battery Charging

The lift motor is powered by batteries that are charged at the upper and lower landing stop positions. When you are not using the lift, be sure to park it at one of the stop positions. If the lift is not parked at a stop position, a warning beeper will sound.

If the lift is not parked at a stop position after 5 minutes of use, then the beeper will sound every second. Move the lift to a stop position to charge the batteries.

If the lift is parked at a stop position and the beeper still sounds, the lift is not charging. Turn off the main power switch of the lift and check for any power outages in the building or for blown fuses. If the beeper continues to sound after checking these items, contact your authorized dealer.

If the battery charge is too weak for normal operation, the beeper will sound every 2.5 seconds. Move the lift to a stop position to charge the batteries. If the beeper continues to sound after charging, contact your authorized dealer. In the case of weak batteries, the control system is programmed so the lift is always able to reach the lower stop position with the remaining battery charge.

Safety Features

Safety Arms and Platform Ramps

While in motion, the platform is protected by two safety arms. The platform is also protected by two ramps which have the dual function of facilitating access to the lift at the landings and of retaining the wheelchair while the lift is in motion. Before the lift leaves the floor, the safety arms must be down and the platform access ramps must be up. If the safety arms or platform ramps encounter an obstacle as they move into position, a microswitch is tripped, preventing operation of the lift until the obstacle is removed.

Obstruction Sensors

During travel, the edges of the platform ramp and carriage are protected by sensors which stop the lift if it touches any obstacle. There are also safety underpan sensors to detect any obstacle underneath the platform and carriage and stop the lift.

Safety Brake (Overspeed)

The lift is equipped with a mechanical safety brake. It engages if a drive component fails or if the normal downward travel speed is exceeded by a preset amount. Application of the brake slows the lift to a stop.



WARNING

When the safety brake engages, the lift remains locked out of use. Contact your authorized dealer to release the brake and return the lift to normal operation.

Limit Switches

The upper and lower limit switches allow the lift to stop automatically in the correct position at the upper or lower end of the staircase. If the upper or lower limit switch fails, the final safety limit switch stops the unit.



WARNING

If the lift is unable to move after it stops, contact your authorized dealer to return the lift to normal operation.

Audio Visual Alarm

There is an audio visual alarm to indicate that the unit is running. This includes a buzzer and a red running light on the platform control panel that flashes when the unit is in use. See Figure 4 on page 7.

2. SPECIFICATIONS

Performance	
Travel direction	Forward/backward
Travel length	Up to 82 feet (25 metres)
Speed (up/down)	20 feet/minute (0.1 metres/second)
Daily cycle	Normal: 10 Heavy: 20 Excessive: 30 Maximum starts in 1 hour on standard installation: 5
Capacity	1 person in wheelchair or sitting on the optional manual folding seat; seat capacity is 330 lb (150 kg)
Maximum load	550 lb (250 kg); 660 lb (300 kg) optional Refer to the data label on the unit
Gradient	Constant, 15° to 45°
Duty cycle	3 minutes on/7 minutes off
Environmental Conditions	
Temperature	32°F to 104 °F (0 °C to 40 °C)
Humidity	Maximum 70%
Noise	Less than 70 db
Power supply	24V DC (battery system); 120VAC for charger
Motor	0.66 hp (0.5 kW)
Controls	
Pendant control buttons	Two drive buttons used to move the lift up or down the stairway and one emergency STOP button
Call station controls	Used to call/send the lift, fold/unfold the platform (for optional automatic platform); has an optional key switch to enable controls
Platform control panel	Emergency STOP button to bring the lift to an immediate stop Key switch to enable controls Alarm button to signal for help Running light that flashes to indicate the unit is in use
Options	Savaria Link remote monitoring

6. MAINTENANCE

Periodic checks and maintenance are necessary to ensure your safety and proper operation of the lift. Refer to the table below for a list of checks and maintenance items.



WARNING

Regular maintenance (performed by your Authorized Savaria Dealer) will keep your unit in proper operating condition. As the owner of this unit, you are responsible for making sure that maintenance and upkeep are done on a regularly scheduled basis. To ensure proper operating condition of your unit, the items listed below must be performed every 6 months by an Authorized Savaria Dealer. Additional inspections may be required depending on usage.

MAINTENANCE SCHEDULE	
ITEM TO BE CHECKED	FREQUENCY
Check that the lift does not start moving until the safety arms are down and the access ramps are up in the safety position.	Monthly
Check that the safety arms and ramps remain closed while travelling.	Monthly
Verify that the safety arms cannot be lifted up when you are travelling between two landings.	Monthly
Verify that the lift stops immediately when the emergency STOP button is pressed.	Monthly
Verify that the lift stops at every landing.	Monthly
Verify that the lift stops when the directional drive button is released.	Monthly
Verify that the lift stops immediately if the ramp runs into an obstacle.	Monthly
Verify that the lift stops immediately if an obstacle is detected underneath the platform.	Monthly

Use a dry clean cloth to clean the outside of the rail tubes.	As required
Ensure clear access to the drive and main power switch.	As required
Verify proper operation of all limit switches.	Every 6 months
Check that the electromagnetic brake on the motor stops the lift when fully loaded before the final limit switch is tripped. If necessary, adjust or replace the brake.	Every 6 months
Check that the drive sprocket teeth and the nylon rollers on which the lift runs are not worn or damaged. There must be no scoring or flattening of the rollers.	Every 6 months
Verify proper operation of the safety brake (overspeed governor).	Every 6 months
Check that all fixing screws on the rails and carriage are present and securely fastened.	Every 6 months
Check all moving parts, covers, signs, and labels.	Every 6 months
Clean the rail thoroughly.	Every 6 months
Verify proper operation of the pendant control buttons.	Every 6 months
Verify proper operation of the call station control buttons.	Every 6 months
Check that all electrical components, contactors and microswitches are operating correctly. Check the condition of all cables. Check the grounding.	Every 6 months
Check condition of battery and charger.	Every 6 months

NOTE

Units installed in adverse environments will require additional maintenance on a monthly basis.

Delta

Straight Inclined 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**

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