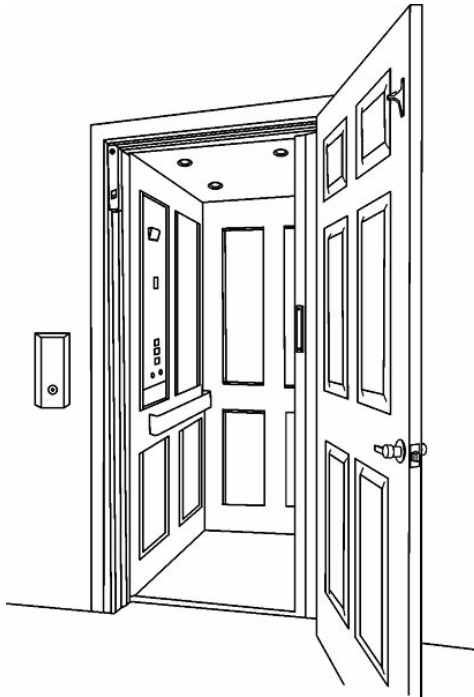




# **Eclipse**

## **Residential Elevator (with Micro-6 Controller)**



# **OWNER'S MANUAL**

(To Be Retained by Owner After Installation  
by Authorized Savaria Dealer)

Part No. 000841  
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### **IMPORTANT**

Ensure that only an Authorized Savaria Dealer installs and services the Savaria™ Eclipse 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 Eclipse 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 Authorized 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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<p style="text-align: center;"><b>FOR OWNER’S RECORDS</b></p> <p>Customer Name: _____</p> <p>Installing Dealer: _____</p> <p>Dealer’s Telephone Number: _____</p> <p>Date Installed: _____</p> <p>Serial/Job Number: _____</p>
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## **TO ENSURE SAFE OPERATION**

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

- Read this manual carefully before using your Eclipse Residential Elevator.
- 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.

# 1. SPECIFICATIONS

## Eclipse Specifications

Load capacity	750 lb (341 kg), 950 lb (432 kg), 1000 lb (454 kg)
Rated speed	40 ft/min (0.2 m/s) nominal
Power supply (circuit supplied by others)	North America: 230 volt, single phase, 60 Hz, 20 amps International: 220 volt, single phase, 50 Hz
Lighting supply (circuit supplied by others)	120 volt, 60 Hz, 15 amps
Drive system	Automatic 2 HP geared motor roller chain variable frequency drive, complete with counterweight
Operating temperature	-10° C to +40° C (14° F to 104° F)
Cab sizes	Types 1, 2, 3, 4 and 5: <ul style="list-style-type: none"> <li>• 36" x 48" x 80" (914 mm x 1219 mm x 2032 mm)</li> <li>• 36" x 54" x 80" (914 mm x 1372 mm x 2032 mm)</li> <li>• 36" x 60" x 80" (914 mm x 1524 mm x 2032 mm)</li> <li>• 40" x 54" x 80" (1016 mm x 1372 mm x 2032 mm)</li> </ul>
Maximum travel	50 ft (15.24 m); 60 ft (18.3 m) available where code is not applicable
Maximum # of stops	6 stops
Control system	Micro-6 controller with diagnostics
Pit depth required	6" (152 mm); 11" (279 mm) minimum with buffer springs
Minimum overhead clearance	96" (2438 mm) for standard 80" cab, 114" (2896 mm) for 96" cab
Cab panel finish	Solid melamine or MDF panels (standard) Unfinished veneer panels, finished recessed veneer panels, solid hardwood raised panels (optional)
Control panel finish	Clear or bronze anodized aluminum (standard) Stainless steel or brass (optional)
Hall station finish	Clear or bronze anodized aluminum (standard) Stainless steel or brass (optional)
Standard features	Automatic on/off cab lighting Recessed gate pocket Digital display in cab operating panel Clear or bronze anodized aluminum cab entrance trim and handrail Date plates, capacity tags Modular rail sections Unfinished plywood sub-floor White ceiling with four incandescent pot lights

## Eclipse Specifications (continued)

Safety features	<ul style="list-style-type: none"> <li>Cab gate safety switch</li> <li>Main controller cab wall access safety switches</li> <li>Pit run/stop switch and car run/stop switch</li> <li>Emergency stop and alarm buttons</li> <li>Uninterruptable power supply (UPS) battery back-up system for lowering, automatic gate operation (if equipped) and electrical interlock operation and lighting in the event of a power failure</li> <li>Upper and lower limits</li> <li>Motor access door (locked and switched)</li> <li>Hand crank</li> <li>Emergency lights</li> <li>Final limit switch</li> <li>Mechanical rail shoring blocks</li> <li>Preset slack chain safety brake and switch</li> </ul>
Options	<ul style="list-style-type: none"> <li>96" high cab</li> <li>Rated speed of 50 ft/min (0.25 m/s) available where code permits</li> <li>Accordion car gate (choice of style)</li> <li>Automatic gate operator (accordion gates only)</li> <li>Buffer springs (11" pit depth minimum)</li> <li>Laminate flooring in finished oak, maple, or cherry</li> <li>Interlocks for doors by others</li> <li>Keyed on/off hall stations</li> <li>Oval hall call design</li> <li>Cab interior in unfinished oak, birch, cherry, or maple veneer</li> <li>Recessed cab panels in solid cherry, oak, or maple veneer</li> <li>Raised cab panels in solid cherry, oak, or maple veneer</li> <li>Telephone cabinet to match cab operating panel</li> <li>Custom cab size</li> <li>Ceiling panel to match walls</li> </ul>

## 2. FEATURES

### 1 Cab Key Switch (Figure 1-A)

The key switch turns the cab controls ON and OFF. It is provided to limit the use of the elevator to authorized persons only.

### 2 Cab Operating Panel Buttons (Figure 1-B)

Automatic control panel buttons facilitate the UP/DOWN movement of the cab between landings. Once the selected landing button is pressed, the cab will automatically move to the landing. The cab will stop when the selected landing is reached.

### 3 Alarm Button (Figure 1-C)

This button can be pressed at any time to sound the alarm in case of an emergency.

### 4 Run/Stop Button (Figure 1-D)

This button can be used at any time to stop the cab and activate the alarm buzzer.

### 5 Phone Button

For units that have a hands-free phone, there will be a phone button on the COP (not shown here).

### 6 Handrail

A single handrail is mounted on the Cab Operating Panel side of the cab.

### 7 Emergency light

The cab emergency light remains ON in the event of a main power failure. The emergency light uses a battery back-up system.

Figure 1: 6-Stop COP



**8 Landing Hall Call Station Controls (Figure 2)**

Hall Call buttons are installed at all landings to move the cab to the landing from which it is being called. An optional key switch limits the use of the elevator to authorized persons only.

**9 Landing Door and/or Gate Interlock**

The Landing Door/Gate lock prevents the movement of the cab unless the door/gate is in the closed and locked position. If the door/gate is not completely closed, the cab will not move.

**10 Emergency Battery Operation**

In the event of a building power failure, the system is provided with a temporary power back-up system to allow the elevator to run down to the next available landing, or to the first floor landing. On resuming normal building power, the back-up system will turn OFF and begin automatic recharging.

**Figure 2: Hall Call**



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### 3. OPTIONS

#### Automatic Door Opener

- 1 Press the Landing Hall Call button to call the elevator. The entrance door will open automatically once the elevator stops at the landing.
- 2 Press the Remote Control (if equipped) to open the entrance door once the elevator stops at the landing.
- 3 Push N Go allows the entrance door to open automatically with a slight push to the door itself. The door timer is inoperative when this feature is activated.

#### Automatic Gate Opener

- 1 Press the Landing Hall Call button to call the elevator. If the entrance door is equipped with an automatic door opener, it will open automatically once the elevator stops at the landing; otherwise, open the entrance door manually.
- 2 The gate will open automatically once the entrance door is fully open.

#### NOTE

*If the cab is equipped with a gate, the gate must be closed after exiting the cab. If the gate is left open, all controls will remain inoperable.*

## 4. OPERATION

### Operating from the Landing Controls

- 1 If equipped with a key switch, insert the key into the key switch on the Hall Call station and turn the key to the ON position.
- 2 Press the Hall Call button once and release. The elevator will automatically come to your landing.
- 3 Turn the key (if equipped) to the OFF position and remove the key.
- 4 If required, turn the door handle and pull the door open.
  - Note that if you open the door and don't open the gate (or interrupt the light screen, if equipped), the unit will not take the next call and will beep three times.
- 5 If the cab has a manual gate, slide the gate open and enter the cab.
- 6 Once inside the cab, close the gate, insert the key (if equipped) into the key switch on the Cab Operating Panel, and turn the key to the ON position.

#### NOTE

*When using the landing controls, the cab can only be moved (called) to the level from which you are calling. When using the control buttons in the cab, the cab can be moved to any level.*



#### WARNING

**Wheelchair wheels must be locked at all times when the elevator is moving.**

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## Operating from the Cab Operating Panel (COP) Controls

- 1 If equipped with a key switch, insert the key into the key switch on the Cab Operating Panel and turn the key to the ON position.
- 2 Press the selected Landing button once and release. The elevator will automatically travel to and stop at the selected landing.
- 3 Turn the key (if equipped) to the OFF position and remove the key.
- 4 Unlock the wheelchair wheels (if applicable) and exit the cab.

### NOTE

*If the cab is equipped with a gate, the gate must be closed after exiting the cab. If the gate is left open, all controls will remain inoperable.*

*The outside landing door must be closed after exiting or entering the cab. If the outside landing door is left open, all controls will remain inoperable.*

## Cab Lights

If the cab door is left open and the cab lights turn off, there are two ways to get the lights back on again:

- Enter the cab, close the door and gate and then press a Landing button.
- Press a Hall Call button before entering the cab.

## 5. POWER FAILURE AND EMERGENCY LOWERING

In the event of a power failure, the elevator is equipped with a Battery Back-Up system that allows you to lower the elevator from the inside of the cab. This device operates on batteries and is only activated if a main power supply failure occurs. The operation is as follows:

- 1 Press any Landing button below the floor where the elevator is located.
- 2 On arrival at the selected floor, the landing door will automatically unlock.
- 3 If there is an automatic gate, the gate will open.
- 4 Remove the key, open the manual gate (if equipped) and exit the cab.

## 6. EMERGENCY LIGHTING

In the event of a main power failure, the emergency COP light will turn on automatically.

### NOTE

*If one of the cab ceiling lights burns out, replace the bulb with a 10W bulb ONLY.*

## 7. MANUAL LOWERING

In the event of a power failure, the UPS lowers the cab to the next landing and opens the doors. Should the UPS fail, you can use the telephone to call for help. The Manual Hand Crank can then be used to lower the elevator.

- 1 Instruct the passenger (s) in the elevator to remain calm and stay well back from the door of the elevator. Ease their concern by telling them your intentions.
- 2 Switch the main disconnect switch for the main power supply to the elevator pump unit to the "OFF" position.
- 3 Locate the Motor Access Door, insert the Manual Hand Crank onto the motor shaft and crank the elevator to the next lowest level.
- 4 To exit the cab, open the landing door (using the special emergency key) and assist the passenger(s).

## 8. DIAGNOSTICS

Diagnostic flash codes are provided on the Hall Call buttons to help you diagnose a problem. All codes that begin with a long flash (on for 2 seconds) are Service codes (contact your authorized Savaria dealer).

If you press a Hall Call button and it flashes but the car does not move, refer to the information in the following table.

Flash code	Action to take
<b>Service codes</b>	
1 long flash (2 seconds) followed by 1 short flash (1/2 second)	Contact your authorized Savaria dealer for service. There is a problem in one of the following areas: overload trip, run timer trip, main safety chain open, door lock fault, or auto shutdown counter.
1 long flash (2 seconds) followed by 2 short flashes (1/2 second)	Contact your authorized Savaria dealer for service. There is a problem with the re-level shutdown low pressure switch.
1 long flash (2 seconds) followed by 3 short flashes (1/2 second)	Contact your authorized Savaria dealer for service. There is a problem with the selector fault, selector encoding error, or position error.
<b>User codes</b>	
1 short flash (1/2 second)	Make sure the "Stop" switch in the car is in the Run position. Check that the car gate is closed.
2 short flashes (1/2 second)	Check that the landing door is closed.
3 short flashes (1/2 second)	Manually open the gate.

## 9. MAINTENANCE

Regular maintenance (performed by your Authorized Savaria Dealer) will keep your elevator in proper operating condition. Please remember, as the owner of this elevator, you are responsible for making sure that maintenance and upkeep are done on a regularly scheduled basis.

### NOTE

*If the unit is shut down for an extended period of time, contact your Authorized Savaria Dealer to perform complete maintenance before starting up the unit.*

To ensure proper operating condition of your unit, the items listed below must be inspected and, if necessary, serviced a **minimum of twice per year**. Additional inspections may be required depending on usage.

- 1 Tighten all rail and cab fastening bolts.
- 2 Lubricate the door hinges and adjust the door closure if required.
- 3 Lubricate the rails with light grease, such as white lithium.
- 4 Inspect the travelling cable for wear. Replace the cable if any cuts or damage to the jacket are evident.
- 5 Replace the batteries inside the control panel as indicated on the battery label.
- 6 Perform the required maintenance to the door locks.
- 7 Activate and test the safety mechanism.
- 8 Check the "Replace Battery" light on the front of the UPS. If it is ON, replace the battery inside the UPS. Otherwise, replace the UPS battery every 4 years.

### NOTE

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

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## Maintenance Record

Date	Time	Reason for Call	Comments	Dealer

# **Eclipse (with Micro-6 Controller) OWNER'S MANUAL**

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