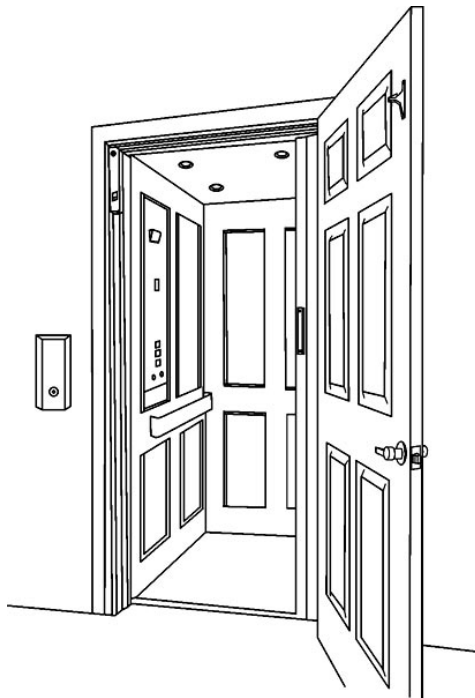




Eclipse Gearless Residential Elevators



OWNER'S MANUAL

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

Part No. 000846
29-m08-2018

IMPORTANT

Ensure that only an Authorized Savaria Dealer installs and services the Savaria™ Eclipse Gearless 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 Gearless 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.

FOR OWNER’S RECORDS
Customer Name: _____
Installing Dealer: _____
Dealer’s Telephone Number: _____
Date Installed: _____
Serial/Job Number: _____

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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 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.
- 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.

1. SPECIFICATIONS

Eclipse Specifications

Load capacity	750 lb (341 kg)
Rated speed	40 ft/min (0.2 m/s) nominal
Maximum travel	50 ft (15.24 m); 60 ft (18.3 m) available where code is not applicable
Maximum # of stops	6 stops
Daily cycle	Normal: 20 Heavy: 30 Excessive: 40 Maximum starts in 1 hour on standard installation: 4
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	1 HP gearless motor, 8 mm traction ropes
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"> • 36" x 48" x 80" (914 mm x 1219 mm x 2032 mm) • 36" x 54" x 80" (914 mm x 1372 mm x 2032 mm) • 36" x 60" x 80" (914 mm x 1524 mm x 2032 mm) • 40" x 54" x 80" (1016 mm x 1372 mm x 2032 mm)
Control system	Relay logic controller with diagnostic LEDs - closed loop drive
Pit depth required	8" (203 mm); 11" (279 mm) minimum with buffer springs
Minimum overhead clearance	108" (2743 mm) for standard 80" cab, 124" (3150 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 LED lights

Eclipse Specifications (continued)

Safety features	<p> Cab gate safety switch Main controller cab wall access safety switches Pit run/stop switch and car run/stop switch Emergency stop and alarm buttons Automatic gate operation (if equipped) and electrical interlock operation and lighting in the event of a power failure Upper and lower limits Motor access door (locked and switched) Emergency lights Final limit switch Mechanical rail shoring blocks </p>
Options	<p> 96" high cab Accordion car gate (choice of style) Automatic gate operator (accordion gates only) Buffer springs (11" pit depth minimum) Laminate flooring in finished oak, maple, or cherry Interlocks for doors by others Keyed on/off hall stations Oval hall call design Cab interior in unfinished oak, birch, cherry, or maple veneer Recessed cab panels in solid cherry, oak, or maple veneer Raised cab panels in solid cherry, oak, or maple veneer Telephone cabinet to match cab operating panel Custom cab size Ceiling panel to match walls </p>

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 Keypad Phone (Figure 1-E)

For units that have a keypad phone, it will be on the COP. For units that have a standard phone, it will be located in the phone box (see below).

Figure 1: Sample COP



Figure 2: Standard Phone and Phone Box



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.

8 Landing Hall Call Station Controls (Figure 3)

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.

Figure 3: Hall Call



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 go into standby mode and begin automatic recharging.

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 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

NOTE

With large cabs and high capacity jobs of 750 lbs. (341 kg), the motor may build up heat during repeated operation. We recommend a duty cycle of 25% for a full load of 750 lbs. (341 kg) or an empty cab.

For example, a 40-foot travel elevator should take 1 minute for full travel in which case we recommend 1 minute running up or down then let it cool off for 3 minutes. Typical loads of 150 to 400 lbs. (68 to 181 kg) on the cab will generate less heat so the cab can be run more frequently.

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 equipped with a manual landing door, turn the door handle and pull the door open.
- 5 If equipped with a manual landing 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.

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.

5. EMERGENCY LIGHTING

In the event of a main power failure, the emergency cab lights will turn on automatically. The cab lights will stay on for approximately 15 seconds. When the lights go off, press any landing button to turn them on again. If you press the landing button of the level you are at, the lights will turn on and the elevator will not move.

6. MANUAL LOWERING

In the event of a power failure, the emergency cab lights will turn on. Use the telephone to call for help. An **authorized technician ONLY** can then use the manual lowering device to move the elevator to the landing below.

- 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 power disconnect switch to the "OFF" position.
- 3 Locate the manual access door and unlock it with the key. Use the manual lowering device (hand crank) which moves the counterweight assembly in the up direction thereby lowering the cab until it reaches the landing below.
- 4 Close and lock the manual access door.
- 5 Open the landing door (using the special emergency key) and assist the passenger(s) to exit the cab.

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.

7. RESET BUTTON PENDANT

In the event that the elevator is not functioning properly, try resetting the elevator by pressing the star (asterisk) key on the Reset Button Pendant. If the problem persists, contact your Authorized Dealer for assistance.

Figure 4: Reset Button Pendant



8. 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.

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

To ensure proper operating condition of your unit, the items listed below must be inspected and, if necessary, serviced **every six months** by your Authorized Savaria Dealer. 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 For a Gatemate operator, lubricate the shaft and bushing using a general silicone lubrication spray (lubricate on installation as well).
- 5 Inspect the travelling cable for wear. Replace the cable if any cuts or damage to the jacket are evident.
- 6 Replace the batteries inside the control panel as indicated on the battery label.
- 7 Perform the required maintenance to the door locks.
- 8 Activate and test the safety mechanism.
- 9 Check, and if necessary, adjust the motor brake air gap. Refer to the Eclipse Gearless Maintenance and Troubleshooting Guide (P/N 000866) to do this.
- 10 Check that the phone is functioning properly.

NOTE

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

Authorized Savaria Dealer

Eclipse Gearless OWNER'S MANUAL

Part No. 000846
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For service or questions about this product, please contact your installing dealer.

DEALER NAME: _____

DEALER PHONE: _____

