



SERENUS LULA

OWNER'S MANUAL





Congratulations on your purchase of a Serenus LULA elevator from Federal Elevator. We appreciate your business and are confident that the elevator we carefully engineered, manufactured and installed will provide you and your clients with ease of use.

This Owner's Manual is meant to provide you with basic operating procedures, emergency procedures, safety features and warranty information. Review this Owner's Manual to learn safe use of your elevator. Keep a manual available or refer to it on our website www.federalelevator.com.

Please note that the elevator must be maintained by a Registered Elevator Contractor. This Contractor must be officially trained and certified by Federal Elevator.

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IMPORTANT NOTES

This is a commercial elevator as defined in ASME A17.1/CSA B44 Safety Code for Elevators.

The following shall be observed to ensure safe and reliable operation:

- DO NOT lean on cab doors while inside the cab.
- DO NOT lean on elevator hall doors.
- DO NOT jump up and down inside the cab.
- Do not exceed the maximum weight that is specified for your elevator.
- Do not use elevator in case of fire.
- Always watch your step when entering or exiting the elevator.
- Only a trained elevator mechanic shall be responsible for performing maintenance on elevator.
- We recomend keys and emergency stop button to be tested monthly.

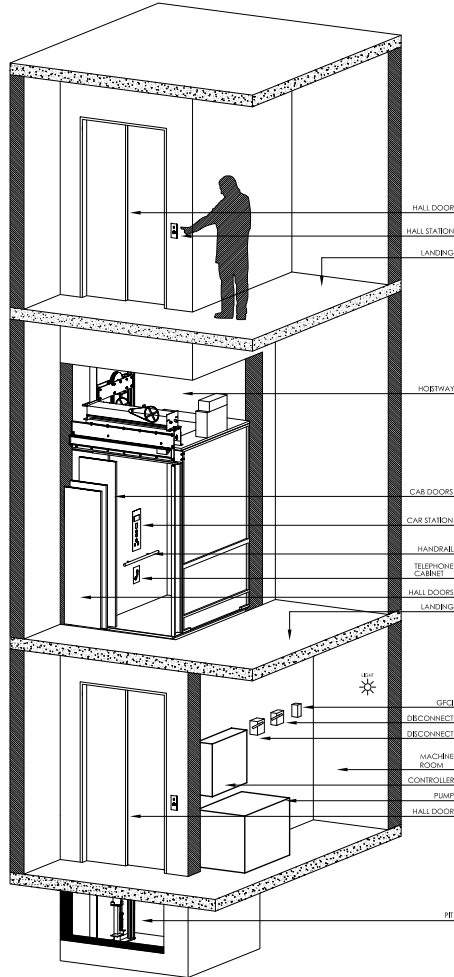


Do not tamper or attempt to fix the controller as it could result a risk of electric shock or death. The controller shall only be serviced by a licensed technician.



Diagram

The Diagram below is a representation of your unit. Many of the items that are mentioned in this Manual are labelled below for your reference.





Car Operating Panel and Hall Stations

The Car Operating Panel (COP) buttons enable you to navigate the elevator between landings. Once you choose desired level on the COP, elevator will navigate to that level and the doors will open automatically for you to exit. The COP is equipped with an emergency light that will only turn on in the event of a power failure.

Hall stations will be present on every level that is serviced by the elevator. The Hall station button will illuminate when a call is registered and the Digital Position Indicator will inform you on which floor the elevator is located (if applicable).

Below are some examples of COP's and Hall Stations available. Your unit may differ from these.



Car Operating Panel
located inside the cab



Main Floor Hall
Station with Digital
Position Indicator
shown



Additional Floor Hall
with Digital Position
Indicator shown



General Specifications


LULA	
Rated Load Capacity	1400 lbs. (635kg)
Cab Size	Choice of 36"x 60", 42"x 60", 48"x 54" Type A & B or 51"x 51" Type C or D only
Hoistway Size Required	Either 56¼"x 82", 68"x 79½", 68"x 74½" or 82¾"x 72" depending on cab size
Travel	25ft. (7.6m) This measurement may be exceeded dependent on local code
Number of Stops	Maximum 6 in-line
Cab Height	Choice of 86" or 90" (96" Optional)
Pit Depth Required	14" Minimum (356mm)
Overhead Clearance	Minimum 11'2" (3404mm) Lower Overhead clearance available, please speak to your sales representative
Drive System	1:2 Roped Hydraulic
Motor	4HP (3kW) (5HP[3.7kW] Optional)
Control System	Automatic Push Button
Rated Speed	30 feet per minute (0.15m/s)
Power Supply CW	208 volt, 3 Phase, 30 amps or, 600 volt, 3 Phase, 15 amps or, 240 volt, single phase, 50 amps
Control Panel Finish	Stainless Steel (standard) Brass or Antique Bronze (optional)
Hall Station Finish	Stainless Steel (standard) Brass or Antique Bronze (optional)
Lighting Supply	115 volt, single phase, 50 amps(15 Amp fused disconnect)
Cab Door & Hall Landings	Automatic 2-Speed (choice of 36"x 80" or 36"x 84") [3-Speed Optional]
Cab Panel Finish Laminate	Choice of Oyster, Antique White, Fog Grey, Hard Rock Maple, Acajou Mahogany, Select Cherry or Village Oak
Ceiling	Choice of Oyster, Antique White, Fog Grey, Hard Rock Maple, Acajou Mahogany, Select Cherry or Village Oak
Control Panel Finish	Stainless Steel (Brass or Antique Bronze available)
Hall Station Finish	Stainless Steel (Brass or Antique Bronze available)
Floor Selection	Magnetic Selector
Flooring Material	Plywood subfloor ready to accept materials by others (¾" allowance typical)
Additional Standard Features	<ul style="list-style-type: none">• 1 Stainless Steel Handrail • Automatic Control UL/CSA Listed• Arrival Gongs in cab • Digital arrows in cab• ADA phone • Auto cab lights • Solid Bumpers• Instantaneous Safety Device • Emergency Battery Lowering• Car Top Inspection Station • Over Speed Valve • Final Limit Switch• Emergency stop and alarm button at operating panel



Basic Operating Procedures

USING THE ELEVATOR

1. Call the elevator to your desired floor by pressing the Hall Station Call button. Your call has been registered when the light illuminates.
2. The doors will open once the elevator is at your landing.

 **NOTE: Infrared light curtains form part of your units' safety features, they are located by every cab door. This mechanism runs adjacent to the cab door(s) and acts as an invisible shield. The elevator will not travel if the path of the lasers are broken as it is considered an unsafe condition. The elevator will resume normal function within 5 seconds once the area is clear.**

3. Wait until doors open entirely to enter the elevator.
4. Choose your desired level by pressing it on the Car Operating Panel inside the elevator.
5. Doors will close automatically and the elevator will travel to the landing chosen.
6. Once you have reached the landing, the automatic doors will open. Watch your step when exiting the elevator.



Emergency Procedure

WHAT TO DO IN CASE OF A POWER FAILURE:

1. Should the elevator lose power while you are inside, please remain calm.
2. The emergency battery backup power will energize and will turn on the emergency light located in the COP which will illuminate and provide you with light inside the cab.
3. Use the ADA Emergency telephone located within the elevator to call for assistance.
3. Press the button to call the building's 24/7 monitoring station. The red light will turn on to advise you that the call is being made. Once the operator is on the speaker, inform them of the building's address or name and provide any additional information that will help them identify your location.
5. Help will be dispatched to you.
6. Remain calm until help arrives.



NOTE: Federal Elevator will provide you with an FEO-K1 key. This key **SHALL ALWAYS** be accessible to any emergency responders in an event of an emergency.

NOTE: The elevator machine room requires to be locked at all times. This key **SHALL ALWAYS** be accessible to any emergency responders in an event of an emergency.



Troubleshooting Tips


Speak to your Maintenance Provider for any troubleshooting tips applicable to your specific unit.


Warranty

The warranty starts on the date when the elevator was shipped from the Federal Elevator plant. Please refer to your signed contract to confirm the length of time your unit will be covered.

We will make good and/or replace, if necessary, any and all defects due to imperfect workmanship which may appear during this warranty. These defects, and the repairs required, will be solely determined by Federal Elevator Systems Inc. upon receiving at its place of business the piece deemed to be defective by the Owner and/or Representative.

This warranty does not cover damages caused by normal wear and tear, accident, fire, unauthorized alterations, vandalism, willful damage, negligence, acts of God, or other like causes. This warranty shall be considered null and void unless the elevator is maintained properly and consistently by a registered elevator contractor in the Province/State where the elevator is located. Such maintenance shall be performed in accordance with Federal Elevator's recommendations and the requirements of the Province's/State's acts and regulations.

 **NOTE: Customer may arrange for a longer warranty period however, this MUST be done prior to the unit being shipped from the Federal Elevator plant.**

 **NOTE: Warranty will differ if unit was purchased from a Federal Elevator dealer. Please speak to your representative for warranty information.**



Maintenance

Elevator passenger safety is the result of many hours spent on the equipment's design, manufacture and installation. After installation, reliable operation and continued assurance of safe operation requires regular maintenance and service to be carried out at least every 3 months, or more frequently where usage or environment dictates or as required by local jurisdiction. The building owner is responsible to ensure that regular service and inspections by licensed elevator technicians occurs.

The elevator must be installed, maintained and serviced by an authorized FEDERAL ELEVATOR representatively ONLY! Under no circumstances is anyone other than a trained and authorized Federal Elevator Dealer to install, adjust, service or modify any mechanical or electrical devices on this lift. Failure to follow this warning can result in safety systems being compromised or defeated, which can result in serious injury or death. Federal Elevator Systems Inc. accepts no liability for property damage, warranty claims or personal injury, including death, in this circumstance.

If you purchased your elevator through one of our Dealers, please have them fill out the information below for future reference.

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



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