

Elevator Technology

# evolution 200

Owner's manual



thyssenkrupp





# About your new elevator.

thyssenkrupp Elevator understands your new evolution 200 elevator is a significant investment. Here are some simple tips and guidelines for proper use.

Elevator equipment gets constant use and requires continual care. When your warranty expires, an ongoing preventative maintenance plan should be put into place. Preventative maintenance ensures optimal and safe elevator performance, prolongs the life of your equipment and reduces unexpected issues. Contact your thyssenkrupp Elevator account representative to discuss a service plan that meets your needs.



## Safe Riding Practices

Safety is thyssenkrupp Elevator's top priority. Here are tips to help ensure the safe use of your new evolution 200 elevator:

- ➔ Always enter and exit the elevator promptly. Doors should not be held open with a hand or any body part.
- ➔ Watch your step when entering or exiting the elevator. If the elevator is not stopping level with the floor, stop using it and call your technician.
- ➔ Do not reach into the door while it is closing.
- ➔ Children should never ride unattended or be permitted to play in and around the elevator.

# Elevator care



Elevator equipment requires regular care.

Here are tips for minimizing costs while ensuring optimal elevator performance and appearance.

## Things you can visually inspect

While a majority of service tasks must be performed by a trained elevator technician, your building personnel can perform the following actions to help ensure proper and safe equipment operation:

- Visually inspect the car for malfunctioning lights, damaged flooring or damaged cab fixtures. These should be repaired by an appropriately trained individual.
- Ensure the car sill is clean at all times, as trash in the sill grooves can affect door operation.
- Check the doors for ease of operation. Any binding or dragging indicates a need for alignment or adjustment from a properly trained elevator technician.
- Ensure the doors are plumb and close completely.
- Excessive looseness may cause a safety hazard and will require an adjustment by a properly trained elevator technician.



## Cleaning your elevator

Your new elevator is a valuable investment. Here are routine steps to maintain your equipment's appearance:

### Powder coating

Clean all surfaces with a soft cloth or soft natural bristle brush with a nonabrasive PH-neutral solution. Do not use strong solvents, such as thinners or solutions containing chlorinated hydrocarbons, esters or ketones, or any abrasive cleaners.

### Plastic laminate

Routine cleaning with a mild detergent will remove fingerprints, smears and everyday spills. Do not use abrasives or harsh chemicals.

### Stainless steel

A mild detergent also removes fingerprints, smears and routine spills. Consumer-type glass cleaners and stainless steel cleaners may also be used. Avoid the application of stainless steel cleaner to elevator buttons. Do not use abrasives or harsh chemicals.



### Important

Whenever you use any cleaning or polishing products mentioned above, remember to always follow the manufacturer directions. Alkaline ammonia solvents, hydrocarbon solvents and halogenated hydrocarbon solvents should never be used on elevator push buttons.

# Emergency procedures

While rare, your elevator could experience a power failure with passengers on board. Or it may need to be used by fire/rescue personnel during an emergency. Here's an overview of automatic features and tips for these situations.

## Fires

Your evolution 200 elevator is equipped with a Firefighter's Service mode that's initiated automatically by building smoke detectors or by your lobby's Fire Service keyswitch. When activated, it cancels all requests for elevator service, returns the elevator to the main floor, opens the doors and keeps them open. This allows trained fire/rescue personnel to have complete control of the elevator.

Only authorized personnel should be permitted to reset Fire Service, after being certain there's no fire in the building and smoke/heat detectors have been reset.



### Fire service jewel

Lights when Fire Service operation is activated, indicating the elevator is returning to the designated landing.



**Fire station keyswitch**  
(2004 code)



**Combination hall station and fire service keyswitch** (2004 code)



**Main car station**  
(2004 code)



## Power failure

Your evolution 200 is equipped with an auto-rescue feature that moves your elevator cab to the next available landing in a power failure. It then opens the doors to allow passengers to exit safely.

## Stalled elevators

In the unlikely event that your elevator becomes stalled with passengers inside, do not attempt to rescue them. Instead, immediately call your elevator service provider. In the event that a passenger is injured or ill, call 911.

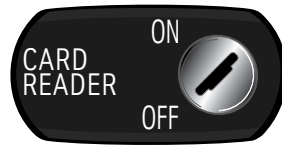
## Before calling for nonemergency service

Check these items before calling your elevator service provider for a nonemergency visit. It could save you time and money.

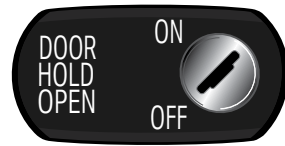
- Check all key-operated switches and make sure they're in the normal operating or "RUN" position.
- Be sure the hoistway sill and cab door sill are free of debris. Foreign objects such as gum wrappers, paper clips and other trash can collect in the sills. This prevents the doors from operating properly, which may shut down elevator service.
- Be sure the elevator is not on Fire Service Operation.
- Be sure your building has full power from your power company.

# Car keyswitches

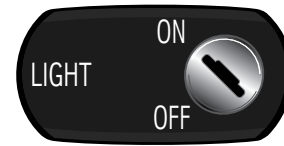
Keys to your elevator should be kept in a secure, central location and used only by trained, authorized personnel. Standard and optional keyswitches are featured below.



**Card reader activation keyswitch**  
Activates and deactivates card reader unit.  
Key L206



**Door hold open keyswitch**  
Holds door in the open position.  
Key L206



**Light keyswitch**  
Controls elevator cab lighting.  
Key L203



**Light and fan keyswitch**  
Controls elevator cab lighting and fan.  
Key L203



**Two-speed fan keyswitch**  
Controls fan speed in elevator.  
Key L203



**Floor lockout keyswitch**  
Enables authorized personnel to lock out access to specific floors.  
Key L206 \*



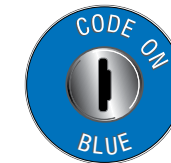
**Independent service keyswitch**  
Elevator no longer responds to hall calls and remains on a floor with its doors open until a floor is selected and the "Door Close" button is held; then, the elevator starts to travel. Useful when transporting large goods or moving groups of people between certain floors.  
Key L203



**Hospital emergency keyswitch**  
Used for commandeering car during a medical emergency.  
Key L206



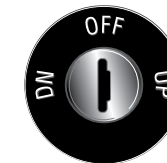
**Emergency light test keyswitch**  
Allows for testing of emergency light function.  
Key L206



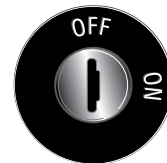
**Code blue keyswitch**  
Mounted in hall station to call the car to the respective floor in an emergency.  
Key L206



**Emergency power keyswitch**  
Activates single car emergency power.  
Key L204



**Hall call registration keyswitch**  
Allows authorized personnel to register an up or down hall call.  
Key L206



**Lockout keyswitch**  
Allows authorized personnel to lock out access to a specific floor.  
Key L206



**Voice tone keyswitch**  
Allows authorized personnel to turn voice annunciator on or off.  
Key L206



**Lobby park keyswitch**  
Brings car to designated floor and shuts down car operation.  
Key L206



**Door hold keyswitch**  
Allows authorized personnel to hold the door open.  
Key L206

The keys below should be used by trained or licensed elevator personnel only.



**Hoistway access keyswitch**  
Gives access for inspectors from hall.  
Key L205



**Inspection keyswitch**  
Used for inspection mode.  
Key L205



**Hoistway enable keyswitch**  
Used for inspection mode.  
Key L205



**Run/stop keyswitch**  
For emergency stop in the hoistway (no alarm bell is activated).  
Key L205

\*If floors are keyed alike. Otherwise, each floor will require a different key number.

# Car & hall fixtures



**Hall station**  
Pressing the up or down push button summons the elevator. The push buttons illuminate to indicate a call was placed.



**Hall lantern**  
Up and down arrows illuminate, indicating which direction the elevator will travel when leaving the floor. A tone sounds once if the elevator is traveling up, twice if going down.



**Hall position indicator**  
Numbers or letters illuminate, indicating the location of the elevator.



**Combination hall lantern and position indicator**  
Illuminated numbers or letters indicate the position of the elevator. Up and down arrows indicate which direction the elevator will travel when leaving the floor. A tone sounds once if the elevator is traveling up, twice if going down.



**Floor buttons**  
Indicates each floor serviced by the elevator. The button illuminates when pressed, indicating a call has been placed.



**Door open button**  
Causes doors to begin closing when pressed.



**ADA hands-free telephone**  
Provides two-way communication from the elevator to a point outside the hoistway.



**Door open button**  
Reopens the doors when pressed.



**Alarm button**  
Alerts others that someone in the elevator needs assistance.

# Elevator Technology

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