



Fire Fighters Emergency Operation Inspection

Red Hat Checklist (B44-75 S2-81 through B44-94 S2-98)



Installation #: _____ Date: _____

Licencee: _____

ED Location: _____

<input checked="" type="checkbox"/>	Pass
<input checked="" type="checkbox"/>	Fail
<input type="checkbox"/>	Not Applicable

General Requirements

- 1 Is an emergency power system provided for elevator? (Mandatory for firefighter's elevator)
- 2 A red firefighter's hat is located on the elevator entrance frame or adjacent to it at the emergency recall level.
- 3 Floor numbers are placed on the interior walls and/or doors of the hoistway at intervals visible through an open door of the stalled elevator car.
- 4 The elevator controlled by the recall switch is identified at the recall level by numbers or letters mounted on or adjacent to the elevator entrance.

Keys for Emergency Service

- 5 The keys are identical for the emergency recall switch and the in-car emergency service switch.
- 6 The keys are accessible to authorized persons only, in an identified box conspicuously located at the elevator lobby on the recall level (or in a location acceptable to the local fire authority).
- 7 Additional keys are located at the CACF.

PHASE I (Manual Recall) Switches and Visual Indicators

- 8 A 2-position keyed switch marked EMERGENCY RECALL, OFF and ON, in red lettering, is in the lobby of each bank of elevators on the recall level, in view of the corresponding elevator entrance.
- 9 A 3-position keyed switch marked EMERGENCY RECALL, OFF, AUTO & ON, in red lettering, is in the lobby of each bank of elevators on the recall level, in view of corresponding elevator entrance.
- 10 A duplicate switch is provided at the CACF. (From 1985)
- 11 A visual indicator provided at each switch shows the elevator controlled by that switch is on emergency recall operation. (From 1985)
- 12 Manual recall is terminated when both recall switches are in the OFF position and the elevator returns to normal service, except when on in-car emergency service.

When the Manual Recall Switch is in 'ON' Position, the Elevator Operates as follows:

- 13 The elevator on automatic operation, including independent service, returns directly to the recall level where the doors open and remain open.
- 14 When the car is operated by a designated attendant, the audible (and visual, starting in 1985) signal or another signalling system alerts the attendant to close the doors and return the elevator to the recall where the power-operated doors open and remain open.
- 15 The elevator does not respond to landing or car calls.

- 16 When the car is stopped at a landing with the doors closed, or travelling towards the recall level, proceeds non-stop to the recall level.
- 17 Car travelling away from the recall level, reverses at the next available floor without opening its doors.
- 18 The Emergency Stop switch is rendered inoperative as soon as the car starts to move and while moving.
- 19 All call registered lights and direction lanterns are extinguished and remain inoperative. (From 1985)
- 20 The in-car visual and audible signal system function to alert passengers the elevator is on recall and at least the visual remains operative until the car reaches the recall level. (From 1985)

For power-operated doors that are open and the car stopped at a floor other than the recall level, the operation is as follows:

- 21 Closes the horizontal sliding doors.
- 22 Initiate the closing sequence for vertically sliding doors.
- 23 For continuous pressure closing, sounds an alert to close the doors.
- 24 Door re-opening devices affected by smoke or hot gasses are rendered inoperative.
- 25 All door open and close buttons at the landings are rendered inoperative. (From 1985)
- 26 For manually operated doors that are open and the car stopped at a floor other than the recall level, a visual and audible signal or another signalling system alerts the passengers to close the doors and automatically returns the elevator to the recall. (From 1985)
- 27 When the elevator is on inspection, the audible signal or another signalling system warns the inspector to return the car to the recall level. The elevator remains under the inspector's control.
- 28 When the elevator is stopped by the in-car stop switch, the audible signal or another signalling system sounds an alarm. (From 1990)

PHASE II (In-Car)

- 29 A red firefighter's hat is located in the car adjacent to the in-car emergency switch.
- 30 A 2-position keyed switch marked EMERGENCY, OFF and ON in red lettering is provided in or adjacent to the operating panel in the car. (Up to 1985)
- 31 A 3-position keyed switch marked EMERGENCY, OFF, HOLD and ON in red lettering is provided in or adjacent to the operating panel in the car. (From 1985)
- 32 Door Open and Door Close buttons are identified.

When the In-car Emergency Switch is in the ON Position, the Elevator Operates as follows:

- 33 The elevator is operable only by the person in the car.
- 34 The elevator does not respond to elevator landing calls.
- 35 Opening of power-operated doors is by continuous pressure on the Door Open button and when released the doors reclose immediately.
- 36 When fully opened, the doors remain open until closed by constant pressure on the Door Close button (or on any car call button, pre-B44-M85 Code).
- 37 Door re-opening devices for power-operated doors are rendered inoperative.
- 38 The car is started by registering a car call and the doors closed by constant pressure on the Door Close button (or on any car call button, pre-B44-M85 Code). (Sequence is not important)
- 39 The car serves floors with floor-access control, without the use of any security card or key device.
- 40 Momentary operation of the in-car emergency switch to the HOLD position cancels the registered car calls and cause the car to stop at or before the next available landing. (or to the OFF position, pre B44-M85 Code).
- 41 When the car is at a landing and the keyed switch in the car is turned to the HOLD position, the doors remain open and car calls are not registering. (From 1985)
- 42 The emergency stop switch is operational and when activated and released, the Phase II operation is reinstated not later than when the car reaches the next available landing. (From 1992)
- 43 With the car at the landing and the keyed switch is turned to the OFF position, the car automatically returned to the recall level as on emergency recall. (From 1985)
- 44 The car serves floors with floor-access control, without the use of any security card or key device.
- 45 The elevator returns to normal operation only when the car is at the recall level and both the in-car emergency switch is OFF and the recall switch is reset to the normal position.

Additional Requirements for Multi-compartment Elevators:

- 46 The key-operated recall switch is located in either main lobby.
- 47 Means is provided to place the lower compartment out of service including closing the car and hoistway doors. It is located in the lower compartment or adjacent to it.
- 48 The lower compartment is out of service before the in-car emergency service operation became effective.
- 49 The key-operated in-car emergency service switch is located in the top compartment.

Automatic emergency recall, alternate floor, machine room smoke sensors and the emergency power system are not within the scope of this inspection.

The report reflects the state or condition of the FEO system as it existed at the time of inspection. We do not know and can not tell whether the equipment will be used correctly or whether it received or will receive proper maintenance.