



OWNERS GUIDE

Commercial Dumbwaiter

Series: F311, F511

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Congratulations!

On your choice of a Fox Valley Elevator, Dumbwaiter.

Your dumbwaiter is manufactured in accordance with the ASME A17.1/CSA B44 Safety Code for Elevators and Escalators.

Properly used and maintained, your new dumbwaiter will give you many years of excellent service. However, you must be sure to follow all safety procedures.

This Owner's Guide should be reviewed periodically and saved for future reference.

Members Of:

Fox Valley Elevator, is a proud member of The American Society of Mechanical Engineers, The National Association Elevators Contractors, The Canadian Elevator Contractor Association, The Accessibility Equipment Manufacturers Association. These symbols assures you of our commitment to high quality and accessibility to everyone.



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Note: The descriptions and specifications contained in this guide were in effect at the time the guide was approved for printing. Fox Valley Elevator, reserves the right to discontinue models without notice and without incurring obligation. The equipment described within this guide may not be identified as either standard or optional and the various illustrations may not all be applicable to your particular unit. Always check with your Elevator Dealer if you have questions.

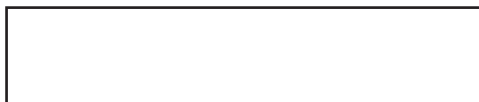
*Fox Valley Elevator will be referred as FVE through out the remainder of this document.

Introduction

Your dealer will instruct you on the proper and safe operation of your Fox Valley Elevator, Dumbwaiter. **IT IS IMPORTANT THAT YOU READ THIS *OWNER'S GUIDE* CAREFULLY BEFORE USING YOUR NEW DUMBWAITER.**

Your dumbwaiter was designed for years of dependable service. However, as with all electrical and mechanical equipment, proper operation and periodic maintenance is absolutely required. Maintenance instructions are available and are to be used by qualified personnel only. For optimal performance, Fox Valley Elevator recommends that you establish a semi-annual maintenance agreement with your elevator contractor.

Dumbwaiter Serial Number



This serial number contains specific information about your dumbwaiter, allowing technicians to properly identify replacement parts.

Maintenance and Service

Dumbwaiter Dealer Information

Company: _____

Address: _____

Contact: _____













Phone Number: _____

If you have questions concerning the operation or maintenance requirements of your dumbwaiter, please contact the local dealer listed above. FVE suggests that you develop an ongoing relationship with your dealer for routine servicing and periodic maintenance. Do not try to service or repair the dumbwaiter yourself.

Important Operating Notes



Designates a condition where failure to follow instructions or heed warning could result in serious personal injury or death. When you see this symbol **HEED IT'S MESSAGE.**

-  Anyone planning on using this dumbwaiter must be trained in its proper use and have read this owner's guide.
-  Do not allow unsupervised children to use this dumbwaiter!
-  Do not remove, bypass or alter various switches, controls and/or restraining devices. These are mandated by national and local safety codes. Any tampering could result in serious injury or death!
-  Never use your dumbwaiter as an elevator!
-  Never extend any body part or objects into your open hoistway... to do so could damage your dumbwaiter, cause serious injury or death!
-  Do not exceed maximum capacity of dumbwaiter. A capacity tag is posted in the Dumbwaiter car.
-  Never open a gate, or hoistway door, while the dumbwaiter is in motion (it will stop the dumbwaiter).
-  If you detect a problem with your dumbwaiter, do not use it. Call your dealer immediately.
-  Do not use this dumbwaiter in the event of fire, smoke, flooding, or earthquake.
-  Keep your dumbwaiter clean and free of debris.
-  Observe, read and obey the warning labels, tags, and symbols, as they are provided by the manufacturer for your safety.
-  Safe operation requires a maintained hoistway temperature of between 60° - 110°F with a relative humidity not to exceed 95%. Do not expose electrical components to the elements or extreme temperature fluctuations. Resulting condensation will damage equipment, causing it to malfunction. If exposed, let sit for 12-24 hours prior to operation.

Assumption of Risk

ALL PERSONS who use this DUMBWAITER bear the responsibility for proper use of this product.

Misuse, deliberate or otherwise, voids all warranties... written or expressed!

Fox Valley Elevator, is NOT responsible for any damage, injury or death resulting from improper installation, modification, additions or other changes which take place after the product has left the manufacturer's plant.

Safety Features

Your FVE dumbwaiter is equipped with many safety features you should be aware of.

- **Broken Rope Safety.** Mechanically stops the dumbwaiter if the cable breaks or slacks.
- **Slack Cable Switch.** Electrically prevents the dumbwaiter from operating if the cables become slack or breaks.
- **Car Gate Switch.** The dumbwaiter will not operate if a gate is open.
- **Final Limit Switch.** Stops the dumbwaiter if unit travels beyond normal operating limits.
- **Hoistway Door Interlocks.** This renders the dumbwaiter inoperable while a hoistway door is open, and locks the door when the dumbwaiter is not at the floor.
- **Buffer springs.** If present, a device with one or more springs to cushion the impact of descending dumbwaiter.

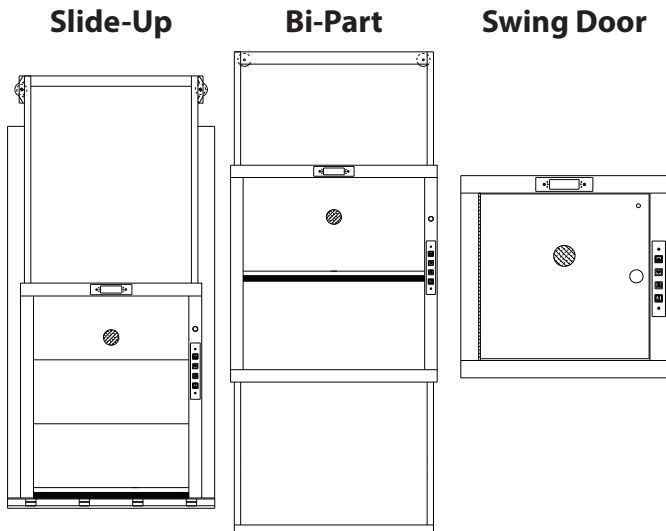
DO NOT TAMPER WITH ANY SAFETY FEATURE!

Basic Dumbwaiter Operating Instructions

- 1. Press the “Floor or Up/Down” Button.** This will call the dumbwaiter to your floor.
- 2. Open the Hoistway Door.** Open the door once the dumbwaiter has come to a complete stop at your floor.
- 3. Open the Gate.**
- 4. Load/Unload the Dumbwaiter.**
- 5. Close the Gate and Hoistway Door.** Completely close both the gate and the entry door of the dumbwaiter. The dumbwaiter will not respond to another call if either the gate or the entry door is not completely closed
- 6. Press the “ Floor or Up/Down” Button.** Send the dumbwaiter to the floor of your choice.
- 7. Complete Stop.** Wait for the dumbwaiter to come to a complete stop.
- 8. Open the Hoistway Door and Gate.**
- 9. Load/Unload the Dumbwaiter.**
- 10. Close Gate and Hoistway Door.** Completely close both the gate and the entry door of the dumbwaiter. The dumbwaiter will not respond to another call if either the gate or the entry door is not completely closed.

Descriptive Features

It is important that you familiarize yourself with the features of your FVE Dumbwaiter before using.



Hoistway Doors

The door prevents items from accidentally entering the hoistway when the dumbwaiter car is elsewhere. An interlock located at each opening prevents the door from being opened if the dumbwaiter car is not waiting at that landing. Every opening must have a door.

Hall Station

Hall Station will be located near the hoistway door.



- **“Floor or Up/Down” Button.** Press this button to call or send the car. The halo or back light will illuminate to acknowledge call and stay lit until arrival upon floor.
- **“Car Here” Indicator Light .** If present, this button will illuminate when the dumbwaiter has reached your floor.
- **Maintenance.** Clean your hall station plate with a clean cloth. Do not use harsh chemicals or abrasive cleaners.



Horizontal



Vertical

Stand-Alone Position Indicator (Optional)

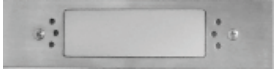
If present it will be located near the hoistway door.

- **Display.** The LED display lets the user know what floor the dumbwaiter car is on.
- **Maintenance.** Clean your stand-alone position indicator with a clean cloth. Do not use harsh chemicals or abrasive cleaners.

Descriptive Features

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Lantern & Chime (Optional)

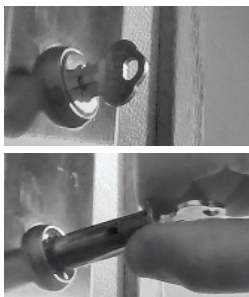


If present it will be located near the hoistway door.

Upon arrival, lantern illuminates and chimes once.

If interlock timer is enabled, light will illuminate until timer expires.

- **Maintenance.** Clean your hall station plate with a clean cloth. Do not use harsh chemicals or abrasive cleaners.
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HG-1 or HG-2 Keylock

(Commercial Standard/ Residential Optional)

Disengage the HG-1 or HG-2 Keylock by inserting the key, turning and pulling lock outward until gate opens. Lock the gate by pushing lock mechanism back into place, turning and then removing key.

Hoistway Door Interlock (Residential Units Only)

The Hoistway Door Interlock locks the hoistway door when the car is not at that landing. Located inside the hoistway at the top corner on the latch side of the door jamb.

- **Emergency Key.** Can be used to open the door from outside the hoistway in case of emergency. To unlock a door, insert the emergency.

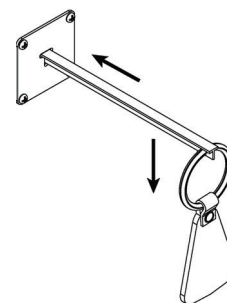
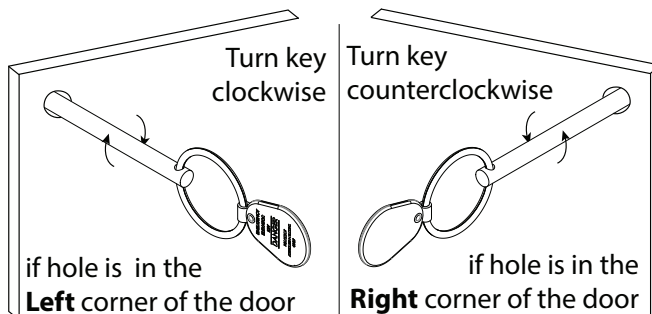
Release key into the hole (near the top of the door):

GAL Interlocks:

Insert the key and twist, while opening the door.

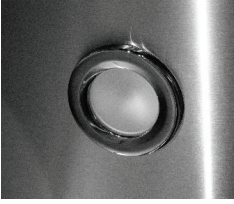
EMI Interlocks:

Insert key in a slight downward angle and gently pull/press down on the key, while opening the door.



Descriptive Features

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Car Light (Optional)
Illuminates when the car gate is open.

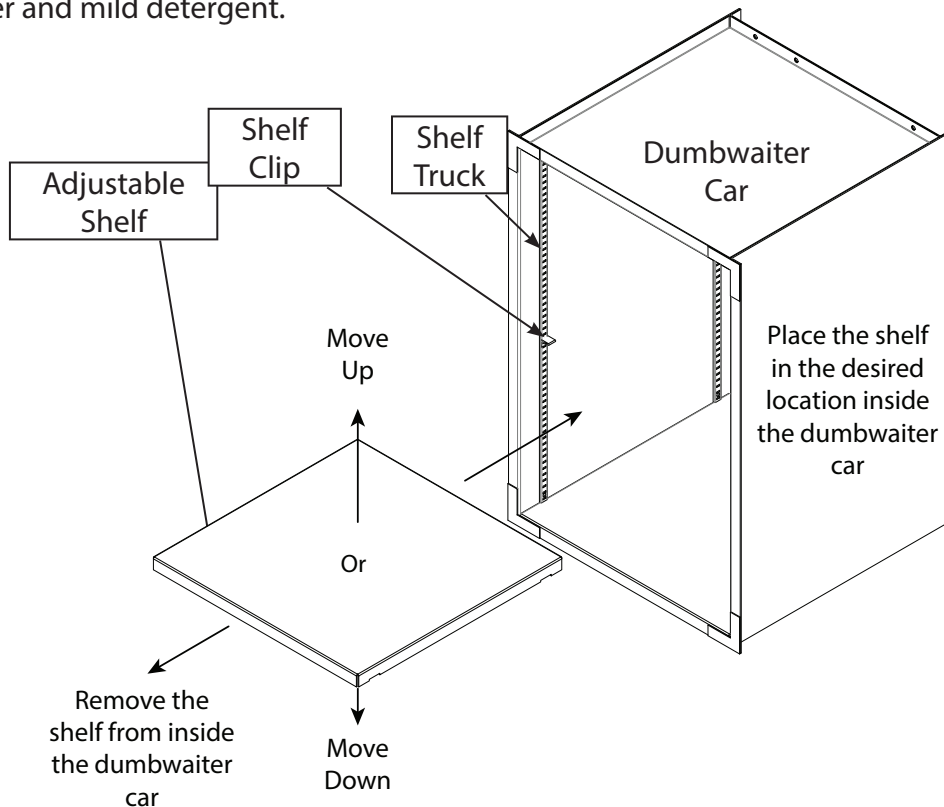
Door Open Buzzer/Bell

If present, the buzzer/bell will ring notifying the user that the gate(s) are not fully closed at the dumbwaiter's current location.

Adjustable Shelving (Optional)

If present it will be located inside the dumbwaiter car.

- **Adjustable.** The shelving can be moved inside the dumbwaiter car and positioned in any location as desired. All you have to do is move the (4) shelf clips to the same height on the shelf standard. When placing the shelf back in the dumbwaiter, verify that the shelf is sitting on the shelf clips solid and is level and plumb.
- **Maintenance.** Clean your dumbwaiter shelving with a soft clean cloth or sponge with a solution of warm water and mild detergent.



Basic Troubleshooting

Before Calling for Service...

Check to see if you press the call button and hear the buzzer/bell. This signals a hoistway door or gate is open.

Verify that all gates and doors are securely closed by opening and closing them. The dumbwaiter will not operate when a gate or door is partially open.

Verify the disconnect switch is in the "ON" position.

Wait 7 seconds between calls.

Do not attempt to repair the dumbwaiter yourself.

If your dumbwaiter still does not function call your dealer immediately.

Description of Programs & Features

- **Automatic Homing Feature.** After a time period of 5 to 30 minutes with no floor calls, this feature allows the dumbwaiter to home to a floor of your choice. All gates and doors are required to be in the fully closed position for the timer to begin counting. Please contact your local dealer if you require your timer to be adjusted.

Turn Automatic Homing Feature “On”.

1. Call unit to the lowest floor, and open the door and gate.
2. Press & hold floor 1 & 2 buttons (or up & down arrows) until they illuminate.
3. Press the desired floor call button until floor call buttons 1 & 2 turn “Off” (or up & down arrows). This tells the controller which floor will become the home location.
4. The selected automatic homing floor will illuminate briefly. If this does not occur repeat previous steps.
5. Close all gates and doors to start the homing timer.

Turn Automatic Homing Feature “Off”.

1. Call unit to the lowest floor, and open the door and gate.
2. Press & hold floor 1 & 2 buttons (or up & down arrows) until they illuminate. Continue to hold both call buttons until the call button lights turn “Off”.

- **Gate Cycle Safety Feature.** If the gate has not been opened and closed after 4 calls, the dumbwaiter will stop taking floor calls. To reset the dumbwaiter, the gate must be opened and closed before another call is placed. Then place a call to the desired floor.
- **Interlock Timer.** This feature is only available for commercial dumbwaiters that are installed in **residential applications and equipped with electromechanical interlocks (EMI)**. Commercial applications are equipped with mechanical interlocks and ignore this feature. Please note that the car indicator light (Car Here or Lantern depending on your application) functions in tandem with this feature for both commercial and residential applications, with either EMI or mechanical interlocks.
 - If this feature is turned “OFF” you will be able to open the door at your immediate floor when the dumbwaiter car is present. If turned “ON”, when the unit arrives at the floor, the interlock will remain unlocked for a time period of 10 to 60 seconds. After the set time period has expired, the user will be required to press the immediate floor call button to open the door.
 - The car indicator light (Car Here or Lantern depending on your application) will light in tandem with the interlock timer, even if the interlock is mechanical. Please contact your local dealer if you require your interlock timer to be adjusted or turned On/Off.
- **Low Speed EZ Search Feature.** If the dumbwaiter car stops short of the floor, the controller will initiate the Low Speed EZ Search Feature. The dumbwaiter car will begin moving again in the same direction of travel approximately 1/3 of travel speed for 120 seconds, or until the floor is located. When this feature is initiated the controller will count this action as a second call. This is important to note when keeping track of the counting in the Gate Cycle Safety Feature.

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