INSTALLATION INSTRUCTIONS
INFITTING AND OVERLAP DOORS

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INSTALLATION INSTRUCTIONS

1. INSTALLATION OVERVIEW

NOTES:

1. Please use this booklet as a step by step installation guide.
2. This book contains instructions for many different door configurations, some sections may not be needed.

A. CONTENTS OF CRATES AND CARTONS

1. Frame components, door
2. One carton contains:
   a. Packing list
   b. Installation and operating instructions
   c. Miscellaneous parts labeled for identification

B. INSPECT FOR DAMAGES AND/OR SHORTAGES IMMEDIATELY

1. Open all shipping containers and inspect for concealed damage and/or shortages. Carefully repack to prevent further damage and pilferage.
2. Note on all copies of the delivery receipt any damages and/or shortages.
3. If shipping damage occurred, report it in writing to the transportation company. Refer to Jamison’s Terms & Conditions Form 166.

C. HANDLE ALL PARTS CAREFULLY

1. Certain parts such as gaskets, wiring, etc. are vulnerable to damage.

D. READ ALL INSTRUCTIONS BEFORE PROCEEDING WITH THE INSTALLATION

1. Instructions include basic drawings and schematics. These instructions and any other documents are included with this shipment.
2. Refer to job drawings for special features.

E. PLAN AHEAD

1. Have all tools and materials necessary for installation readily available.

F. INSTALLATION OVERVIEW

1. Prep the door opening.
2. Install the door frame.
3. Make electrical connections.
4. Make adjustments to the door.
2. GENERAL INFORMATION

NOTES:

1. Left hand swinging door shown, right hand opposite.
2. Door hardware may be different from what is shown.
3. DOOR INSTALLATION

PVC Woodless = W.I.C. plus 3”
LITE Frames = W.I.C. plus 2 1/2”

Wall Opening for Optional Jamb = W.I.C. plus 4”
Width in Clear (W.I.C.)

Optional Inside Trim
Add 3/4” for Jamolite and Janutal

Vapor Seal with Caulking all around the Casing
1/4” Lag Screw

This Side Shows Wood Backs
HORIZONTAL SECTION

This Side Shows Panel Wall

Freezer Doors Only
120 Volt Service
Through Disconnect Switch (by Others)

Caulking

PVC Woodless = H.C. plus 1 1/2”
LITE Frames = H.C. plus 1 1/4”

Wall Opening Height w/ Jamb

TYPICAL VERTICAL SECTION

Wall Line

Floor Keying
Recommended Grout
in After Door Installation

7 1/2”

VERTICAL SECTION
SHOWING OPTIONAL HEAT IN FLOOR

8”

Front Fastenings, Lags for Wood Backs, or Carriage Bolts for Panel Walls

FRONT ELEVATION
L.H. SWING SHOWN, R.H. OPPOSITE
• Lags or through bolts on each side of latches and hinges
• 3 hinges are required
• Oversized washers are required
• Latch side bottom bolt / lag shall be approximately 6" from floor
• Latch side top bolt / lag shall be approximately 2" from the top of casing material
NOTES:

1. See the reference drawings in the back of the booklet for further information.

A. PREPARE THE DOOR OPENING

STEPS:

1. Cut the opening in the wall to suit the door size and frame options.
2. Verify that the wall around the door opening is smooth and in a true plane. Also, verify that the floor where the door will be swinging is smooth and level. Doors that are equipped with a channel iron sill must have floor keying for the sill unit.

B. DOOR REMOVAL

NOTES:

1. This step is optional and recommended for larger/heavier doors
2. Doors using PVC woodless trim must wedge/shim door so that the weight is off the hinges while aligning and bolting frame.

STEPS:

1. Wedge/shim the door so that the weight is off of the hinges.
2. Method 1: Drive out the hinge pins.
   Method 2: Unscrew the hinge blades from the door.
3. Remove the door from the frame and store it safely.

C. INSTALLATION

STEPS:

1. Remove the thermostat from the top of the frame.
2. If the door is a track door remove the track gasket.
3. Caulk the back of the frame with a continuous heavy (1/2") bead of non-hardening caulk (e.g. silicone or butyl).
4. Place frame in the opening and center. If the door is a track door also center the track port to the rail.
5. Plumb the frame using a plumb bob as shown. Shim behind the frame as needed. If the door frame is not plumbed properly the door may not swing correctly.
6. Install the frame fastenings as shown. It is important to locate the fasteners over and under each of the hinges and the keeper.
   a. For PVC woodless it is required to locate a fastener approximately 2” above and below each hinge and latch.
7. If trim is to be installed, flush it to the edge of the jamb and fasten it with screws.
8. Vapor seal around all edges of the frame, trim, and jambs with a bead of non-hardening caulking.
9. If the door is a track door cut the gasket to fit the rail and reinstall the gasket.
10. Reinstall the door if removed.
4. INSTALLATION OF OPTIONAL THERMOSTAT

NOTES:

1. If the door did not come with a thermostat or the door is a Plyfoam I blast freezer proceed to the next page.
2. Do not bend the thermostat capillary tube less than 3/8” radius as a pinched tube will cause the thermostat not to function.
3. Do not tape capillary tube in place, as, this may cause inaccuracies.
4. Jamb and trim are optional components.

STEPS:

1. Remove the thermostat from the frame.
2. Using the hole in the header as a guide drill a 7/16” hole through the wall and trim.
3. Route the thermostat bulb through the wall and securely attach it.
4. Reattach the thermostat to the frame.
5. Caulk and seal the hole that was drilled for the thermostat bulb.
5. DOOR ADJUSTMENTS

LATCH ADJUSTMENT

HINGE ADJUSTMENT
A. HINGE ADJUSTMENT

NOTES:

1. This procedure should be performed if the door is too hard to shut or the back gasket does hinge edge gasket does not seal.
2. If the gaskets are heavily worn they may need to be replaced.
3. Always shim all of the hinges equally.
4. If the door does not close properly add a shim to each hinge.
5. If the door does not seal properly remove a shim from each hinge. To test for a proper seal take a piece of paper and place it between the door and the gasket in several places. If the paper can be removed with only a slight drag then the gaskets are adjusted properly.
6. Hinges may be different from what is shown.

STEPS:

1. Wedge/shim the door so that the weight is off of the hinges.
2. Unscrew one of the hinge butts from the door.
3. Add a shim or remove a shim depending on how the door needs to be adjusted.
4. Reattach the hinge butt and repeat this procedure for the rest of the hinges.
5. Remove the wedge/shim and retry the door. If the door needs more or less shimming repeat this process until the door functions correctly.

B. LATCH ADJUSTMENT

NOTES:

1. This procedure should be performed if the front side gasket does not seal properly or the door is hard to latch.
2. Latches and keepers may be different from what is shown.

STEPS:

1. Adjust the latch and keeper and check for proper closing.
2. If further adjustment is needed add or remove a shim from under the keeper.
3. Repeat the process as necessary until the door closes properly.

C. GASKET ADJUSTMENT

NOTES:

1. The bottom gasket is cut long from the factory to accommodate variances in the floor.

STEPS:

1. Cut the bottom gasket to length. When cut correctly the gasket should lightly skim the floor.
6. JUNCTION BOX CONNECTIONS

WARNING: PRIOR TO ANY ELECTRICAL HOOK-UP, ALL POWER SUPPLIES MUST BE TURNED OFF, LOCKED OUT, AND TAGGED. SERIOUS INJURY OR DEATH CAN OCCUR FROM CONTACT WITH POWER SUPPLIED TO THE DOOR.
Junction Box

2

3

5

4

Junction Box

2

3

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2

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Junction Box

2

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4

Junction Box

2

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4

Thermostat

2

3

5

4

Thermostat

2

3

4

5

Junction Box in Door

2

3

4

5

KEY

0 References a Step

0 References a Part

JAMISON DOOR COMPANY

S/N J9050146
notes:

1. Left hand swing shown, right hand opposite.
2. All wiring must be in accordance with the N.E.C. and local codes.

STEPS:

1. Disconnect all power.
2. Connect the neutral (white) lead(s) to #2 white wire(s).
3. Connect the hot (black) lead(s) to #1 black wire(s).
4. Connect the ground lead(s) (green) to the ground wire terminal.
5. Connect a 120 volt electrical service to the connection box through a lockable disconnect switch (not by Jamison).
7. TEST DOOR OPERATION

STEPS:

1. Thoroughly test the door(s).
2. If the door(s) do not function properly, carefully recheck the installation procedures.
3. If you cannot resolve the issue, call Jamison Technical Service, at 1-800-532-3667 or in MD (301) 733-3100. PLEASE BE SURE TO HAVE IN FRONT OF YOU THE MODEL NUMBER, SERIAL NUMBER, AND ALL INSTRUCTIONS. The model number and serial number can be found on the label plate(s) on the hinge edge of the door.
8. TROUBLE SHOOTING GUIDE

NOTES:

1. The door must swing freely without any dragging or binding during operation.

<table>
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<th>PROBLEM</th>
<th>PROBABLE CAUSE</th>
<th>REMEDY OR CHECK</th>
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<tr>
<td>A. Door freezing shut</td>
<td>1. Frostop inoperative</td>
<td>1. Confirm AC power is connected to the heater wire. Verify the</td>
</tr>
<tr>
<td></td>
<td>2. The door is leaking</td>
<td>resistance of the heating wire is the same as the resistance listed on the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Frostop plate.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Check that the gaskets are sealing properly</td>
</tr>
<tr>
<td>B. Door will not latch</td>
<td>1. Frame incorrectly installed</td>
<td>1. Check frame with plumb bob.</td>
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<tr>
<td></td>
<td>2. Incorrect adjustment of the keeper</td>
<td>2. Adjust the latch see “Door Adjustments”</td>
</tr>
<tr>
<td></td>
<td>3. Arms limiting travel</td>
<td>3. Check arm adjustment. and lubrication of swivel, see closer instructions for</td>
</tr>
<tr>
<td></td>
<td>4. Incorrect adjustment of closer</td>
<td>further details.</td>
</tr>
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<td></td>
<td>5. Excessive pressure differential between front and back of</td>
<td>4. Adjust the closer see “Door Adjustments”</td>
</tr>
<tr>
<td></td>
<td>door</td>
<td>5. Check the vent ports in the wall for proper operation.</td>
</tr>
<tr>
<td>C. Door is to hard / easy to</td>
<td>1. Incorrect adjustment of keeper</td>
<td>1. Adjust the keeper see “Door Adjustments”</td>
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<tr>
<td>open</td>
<td>2. Hinges need to be lubricated</td>
<td>2. Lubricate the hinges see the “Lubrication Chart”</td>
</tr>
<tr>
<td></td>
<td>3. Hinges not plumb</td>
<td>3. Adjust the hinges so they are plumb</td>
</tr>
<tr>
<td>D. Door does not seal</td>
<td>1. Frame incorrectly installed</td>
<td>1. Check frame with plumb bob</td>
</tr>
<tr>
<td></td>
<td>2. Incorrect adjustment of keeper</td>
<td>2. Adjust the keeper see “Door Adjustments”</td>
</tr>
<tr>
<td></td>
<td>3. Incorrect adjustment of hinge</td>
<td>3. Adjust the hinge see “Door Adjustments”</td>
</tr>
<tr>
<td>E. Through door operator</td>
<td>1. Ice is forming in cavity of door</td>
<td>1. Generously fill cavity with low temperature lubricant</td>
</tr>
<tr>
<td>frozen in place</td>
<td></td>
<td></td>
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NOTES:

1. Equivalent lubricants can be substituted.
2. Lubricate at 3 month intervals.
3. Hinges that are metal to metal should be greased, but, hinges that are plastic to metal should not.
4. Latches and hinges may be different from what is shown.

STEPS:

1. Grease the hinges at the pivot points.
2. Grease the latch at pivot points and tongue.