JELD-WEN

Installation Instructions
for Interior Pre-Hung Doors (JII109)



Thank you for selecting JELD-WEN products. Attached are JELD-WEN's recommended installation instructions for Interior Pre-Hung hollow core, solid core, wood, molded and premium composite doors.

Read these installation instructions thoroughly before beginning. They are designed to work in most existing applications. However, existing conditions may require changes to these instructions. If changes are needed, they are made at the installer's risk. For installations other than those indicated in these instructions, contact a building professional.

⚠CAUTION

Interior doors should not be installed into or exposed to exterior elements. If installed into a high-humidity environment, we require all six sides to be finished and regularly inspected with adequate ventilation and/or exhaust. Failure to comply with either of the above scenarios could result in the denial of any warranty claims.

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Not all door types may be installed into every wall condition in all areas. Consult your local building code official for applicable building codes and regulations. Local building code requirements supersede recommended installation instructions. Failure to install into a square, level, without-twist and plumb condition could result in denial of warranty claims for operational or performance problems.

NOTE TO INSTALLER: Provide a copy of these instructions to the building owner. By installing this product, you acknowledge the terms and conditions of the limited warranty as part of the terms of the sale.

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Glossary

Head Jamb

The horizontal frame element at the top of the door.

Pre-Hung Door

An assembly consisting of the door frame and door slab where the door slab is already installed, or hung, in the frame.

Side Jambs

The vertical frame elements on either side of the door.

Slab

The operating part of the door assembly that swings open and closed inside a frame.

Please allow sufficient time to properly prepare the rough opening, install the door, and ensure its proper operation.

SAFETY | STORAGE AND HANDLING | FINISHING | CLOSERS

Safety

- Read and fully understand **ALL** manufacturer's instructions before beginning. Failure to follow proper installation instructions may result in the denial of warranty claims for operational or performance problems.
- **DO NOT** work alone. **Two or more people are required.** Use safe lifting techniques.
- Use caution when handling glass. Broken or cracked glass can cause serious injury.
- Wear protective gear (e.g., safety glasses, gloves, ear protection, etc.).
- Operate hand/power tools safely and follow manufacturer's operating instructions.
- Heed material manufacturer's handling and application instructions.
- If disturbing existing paint, take proper precautions if lead paint is suspected (commonly used before 1979). Your regional EPA (www.epa.gov/lead) or Consumer Product Safety Commission offices provide information regarding regulations and lead protection.

⚠WARNING

Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

Storage and Handling

- Deliver doors to the building site after the plaster, drywall and/or concrete are dry.
- If the doors are being stored at the job site and not for immediate installation, the top, bottom and sides must be sealed.
- Hollow core doors may be more prone to warp than solid core doors. When stacking doors, keep the top door covered at all times with a cover sheet, plywood or cardboard. This is critical to prevent warping.
- Keep the doors away from direct sunlight and sources of extreme heat, cold or humidity.
- Make sure the slab is secured prior to installation.
- **DO NOT** put stress on joints, corners or frames.
- Store in a vertical, leaning position on a level surface in a clean, dry, well ventilated building. Protect from dirt, water and abuse. Allow air circulation. Cover with a moisture barrier. **DO NOT** stack horizontally.
- Doors should always be handled with clean hands or while wearing clean gloves.
- Doors should be lifted and carried when being moved. **DO NOT** drag across the floor.
- Doors should not be subjected to abnormal or sudden variations in heat, dryness or humidity, and should not be exposed to direct sunlight. Recommended humidity and temperature are 25% - 55% RH and 50°F - 90°F (10°C - 32°C).
- Doors should be stored at least 10' away from any heat source. Excessive heat on a door creates uneven drying which results in warping, splitting, and bowing on the door surfaces.
- Doors should be climatized to the average prevailing humidity and temperature before hanging for at least 48 hours. In below-zero or extreme temperatures, doors should be stored properly in a dry building at normal room temperatures for at least 72 hours before hanging.

For additional finishing information, please scan the QR code or reference Finishing and Refinishing for Interior and Exterior Door Slabs and Systems (JMC004) at www.jeld-wen.com

Finishing

- Set-up your finishing area by making sure your work area is clean, well-lighted, dust free, well ventilated, out of direct sunlight and in a climate controlled environment. When painting and staining avoid carpeted areas, cover all areas subject to paint or stain exposure.
- Doors should acclimate to the environment where they will be installed for a minimum of 48 hours under normal room temperature conditions (72 Hours in extreme weather conditions). Avoid finishing immediately after a rain or damp weather and during periods of higher than average humidity. In very dry conditions, the door should be finished right after the wrapping is removed. Ensure adequate air flow around all surfaces of the door when conditioning. Follow paint/stain manufacturer's instructions noting both temperature and humidity recommendations. Remove all hardware before finishing.
- If you must use a water-based paint please apply in light coats, in a warm dry environment. **DO NOT** reduce paint beyond the manufacturer's recommendations. If you attempt to apply water-based paints in a cold or damp environment or apply the paint in a heavy coat, the paint will take longer to dry and the water in the paint will penetrate into the board, raising the grain or fibers in the substrate. The use of satin or semi-gloss finish is highly recommended.

⚠WARNING

Distortions such as warping, bowing and waviness, can appear as a result of incorrect topcoat (paints or stains), improper finishing techniques and or finishing conditions. These are caused by but are not limited to incorrect topcoat, watered-down paints, high humidity environments, excessive application of paints, and doors not being acclimated properly.

For additional details reference Window & Door Manufacturers Association guidelines on how to store, handle, finish and install wood doors.

Closers

- Use of a door closer on interior door slabs is not recommended (unless a custom/special order with additional internal bracing). Use of a closer may result in the denial of a warranty claim.

MATERIALS AND TOOLS

Provided Materials

- Two color-matched #9 x 2-1/2" screws (for securing the top two hinges into framing). Applies only to solid core, premium composite and wood stile and rail doors.

Needed Materials

NOTE: Follow all material manufacturer's instructions for proper use and compatibility.

- 10d Finish nails
- 4d Finish nails
- Shims
- Wood putty
- Sandpaper
- Finishing materials
- 100% polyurethane sealant (for two-piece frames)

Needed Tools

- Hammer
- Tape measure
- Utility knife
- Level (4 ft. minimum recommended)
- Circular saw or jigsaw (for trimming jambs if necessary)
- Nail punch
- Screwdrivers

1 INSPECT PRODUCT

Remove Packaging

Remove shipping materials such as corner covers, shipping blocks or pads.

NOTE: Be sure to remove the shipping clips or screws through the head jamb into the slab from the door before beginning the installation.

Inspect Door

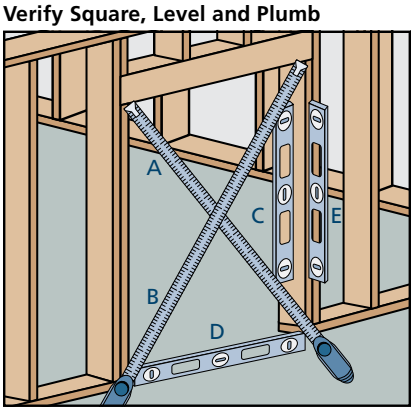
- When doors are received they must be inspected immediately for quality, including correct size, machining, color, design, cosmetic damage, specie of veneer and finish, if factory finished.
- Product squareness (diagonal measurements must be within 1/4" difference).
- Correct product (size, color, grid pattern, handing, glazing, energy-efficiency requirements, etc.).
- Correct Handing. To determine door swing (left or right), face the door from the side where hinges cannot be seen. Right handed doors open to the right, while left handed doors open to the left.

If any of the above conditions represent a concern, DO NOT install the door. Contact your dealer or distributor for recommendations.

2 INSPECT ROUGH OPENING

- Verify the width and height of the door frame are each 1/2" smaller than the rough opening width/height.
- Verify the rough opening is square. The (A) and (B) measurements should be the same. Suggested deviation is no more than 1/4".
- Verify the rough opening is plumb (C and D). Suggested deviation is no more than 1/8".
- The exterior face of the rough opening must be in a single plane (E) with less than 1/8" twist from corner to corner.

Verify Square, Level and Plumb



- Minimum double trimmer studs should be used at all rough openings.
- The header must be supported by trimmer studs.
- **DO NOT** install the door unless the rough opening meets the above conditions. Professional assistance may be necessary to correct problems before installation.

⚠CAUTION

The door should be finished either before installation or immediately after (whichever is more convenient).

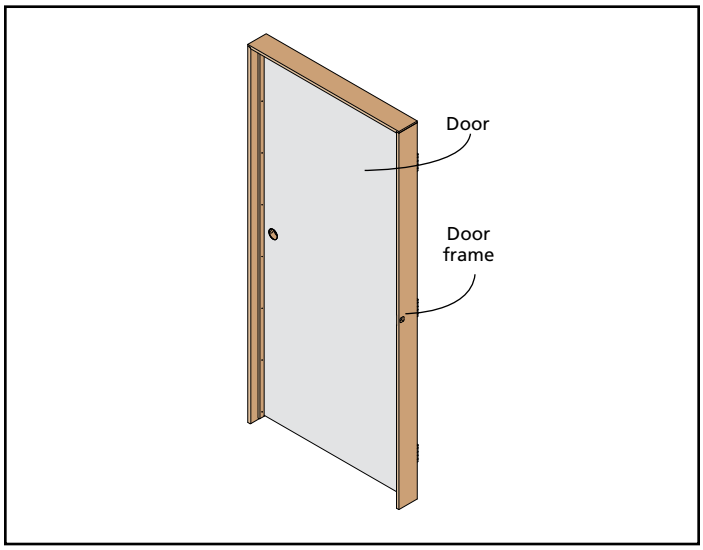
NOTE: If removing the slab from the frame for finishing, remove hinges from the jamb only, DO NOT remove hinges from the slab.

For Retrofit Installations

For retrofit installations, remove the old door and contact your local waste management entities for proper disposal or recycling of products being removed.

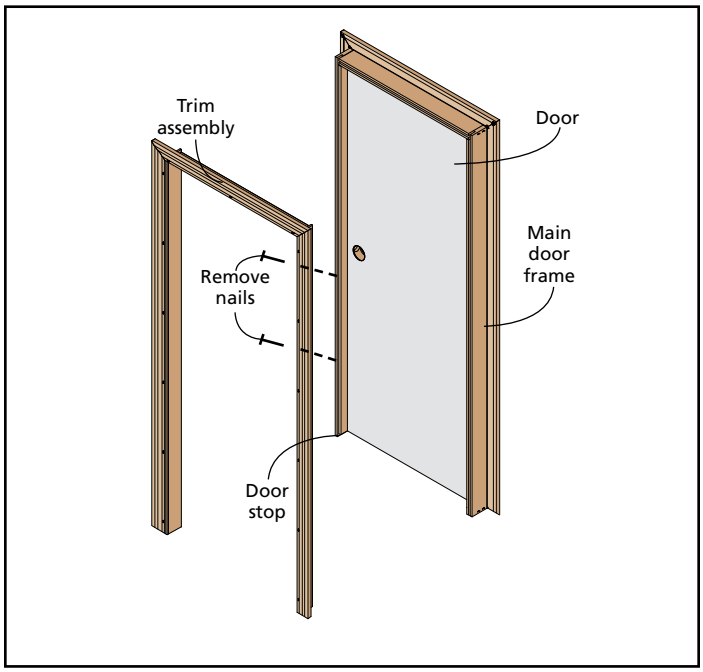
3 IDENTIFYING JAMB SYSTEM

One-Piece Jamb System



- **One-piece jamb door units do not come with trim applied.**
- **The main frame consists of the head and jamb as one solid jamb member.**

Two-Piece Jamb System



- **Two-piece, or "split jamb" door frames come in two sections with trim applied to the frame section.**
- **The inside, main "groove" part of the door frame that includes the hinges and slabs and should be nailed in place first.**
- **The outside, trim assembly section consists of trim and the narrower "tongue" portion of the frame and is installed from the opposite side of the opening.**
- **The two sections are assembled as a tongue and groove joint which is hidden beneath the door stop on the main door frame.**

4 INSTALL DOOR

⚠CAUTION

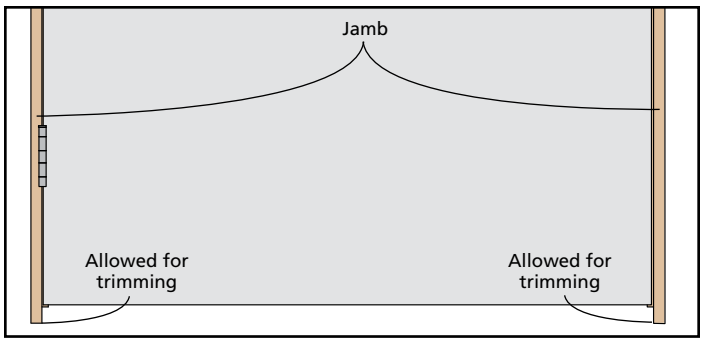
Interior doors should not be installed into or exposed to exterior elements. If installed into a high-humidity environment, we require all six sides to be finished and regularly inspected with adequate ventilation and/or exhaust. Failure to comply with either of the above scenarios could result in the denial of any warranty claims.

⚠WARNING

To avoid injury, use at least two people to install. Adequately support the door until completely fastened.

If installing a one-piece jamb system, begin with step 2. If installing a two-piece/split jamb system, begin with step 1.

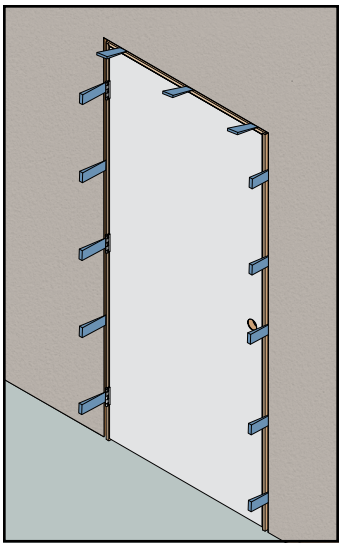
1. If installing a two-piece/split jamb system, separate the main door frame from the trim assembly section of the frame prior to install. Remove any tape, staples or brad nails used to secure the frame during shipping (heads will be visible on the backside of the frame).
2. Pre-hung door frames extend below the slab to allow for different floor heights. The jambs can be trimmed as needed before beginning installation; however, leave adequate space to allow air to pass under the door according to ventilation codes (typically 5/8"- 3/4").



3. Remove any packaging or nails that hold the door slab closed.

4 INSTALL DOOR (CONTINUED)

4. Position the door unit into the opening. Place shims between the rough framing and door frame to initially set the door. **NOTE:** Tapered shims **must be** applied in opposing fashion.

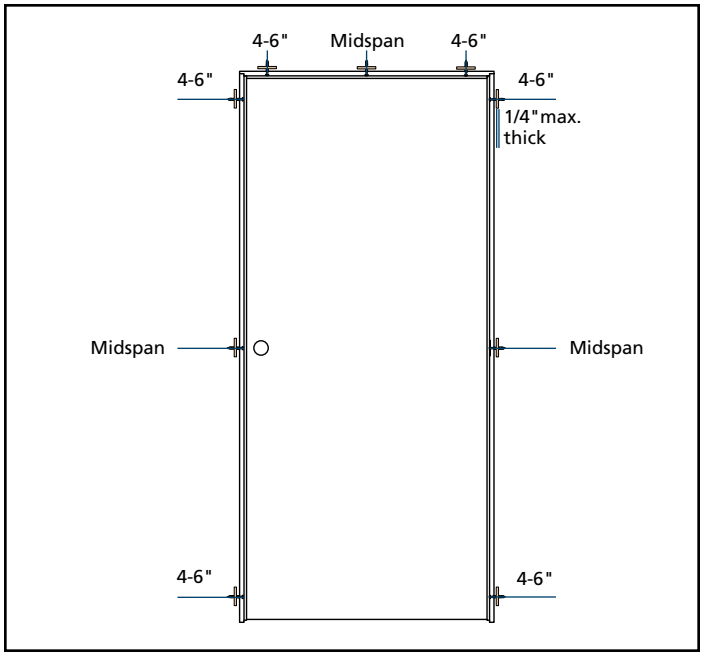


5. Plumb the **hinge jamb** (add shims as needed). Temporarily secure the door in the opening by placing a 10d nail, 4"- 6" from the top and bottom of the jamb. **NOTE:** Use a shim at each fastener location.
6. Plumb the **latch side jamb**. Shim and temporarily fasten in the same manner as the hinge jamb.
7. Level the **head jamb**. Shim 4"- 6" from each corner and at the midspan. Temporarily secure in place with one 10d nail through the center shim. **NOTE:** Use a shim at each fastener location.
8. Check for plumb, level, twist and even spacing around the door slab. See **Product Installation Tolerance Table** for tolerances. For two-piece/split jamb door units, install the trim assembly portion of the frame. Align and push tongue portion of the frame with the grooves in the main frame until the trim is flush with the wall.

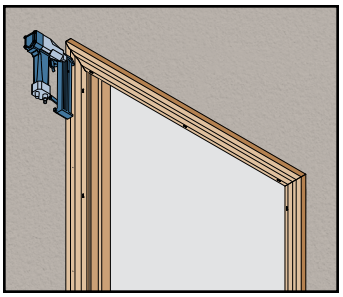
Product Installation Tolerance Table Products must be installed in a manner that **Does Not** exceed the tolerance below	
Plumb	+/- 1/8"
Level	+/- 1/8"
Twist	+/- 1/8"
Square	+/- 1/8"

9. Continue to secure each side jamb by placing one 10d nail in parallel fashion next to the temporary nail. **NOTE:** Nails should penetrate shims and be centered within the jamb.
10. Follow the **Fastener Spacing Table** to secure both side jambs.
11. Finish securing the door by placing one 10d nail in parallel fashion next to the temporary nail at the head jamb. **NOTE:** Nails should penetrate shims and be centered within the jamb.
12. Follow the **Fastener Spacing Table** to secure the head jamb.

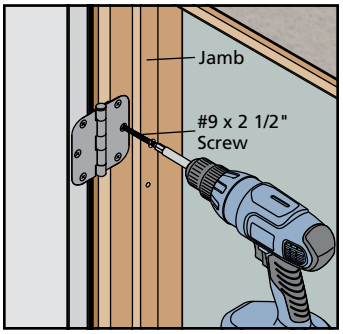
Fastener Spacing Table	
Side Jambs	4-6" from the corners and at the midspan of the jamb.
Head Jamb	4-6" from the corners and at midspan of head jamb.
Hinges	One #9 x 2 1/2" screw through the top and middle hinge.
Latch (optional)	2" (min.) screw through each pre-existing hole.
Solid Core	For solid core and/or 8'0 and taller door units, additional fasteners should be placed between the upper/lower midspan locations.



13. For two-piece/split jamb frames, nail the trim on both sides every 16" using 4d nails.

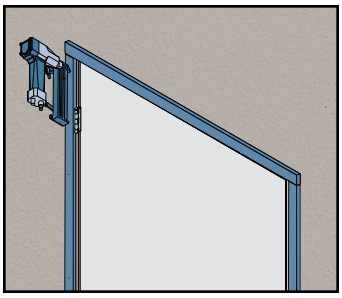


14. After installation, replace the center screw in the top two hinges with the provided #9 x 2 1/2" screws (as shown). **NOTE:** Follow the **Fastener Location Table** for latch and solid core fastening recommendations.



4 INSTALL DOOR (CONTINUED)

15. For a more finished look, apply trim to cover the shim space. The application and style of trim are at the end user's discretion.



5 COMPLETE INSTALLATION

1. Install lockset hardware per supplied instructions.
2. Fill any nail/screw holes and sand smooth.
3. If installing a two-piece/split jamb system, run a bead of caulking at all joints and tool until smooth.
4. Finish all six sides of the door slab as well as the frame (if not already done). **NOTE: If removing the slab from the frame for finishing, remove hinges from the jamb only, DO NOT remove hinges from the slab.**
5. Protect recently installed units from damage from plaster, paint, etc. by covering the unit with plastic.

For care and maintenance information, please scan the QR code or reference Care and Maintenance for Interior and Exterior Doors (JMC005) at www.jeld-wen.com.

For finishing and refinishing information, please scan the QR code or reference Finishing and Refinishing Instructions for Interior and Exterior Door Slabs and Systems (JCM004) at www.jeld-wen.com.

For interior slab installation information, please scan the QR code or reference Installation Instructions for Interior Door Slabs (JII110) at www.jeld-wen.com.

Please visit jeld-wen.com for warranty and care and maintenance information.

Thank you for choosing

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