

1610 Series Replacement Patio Door Installation Instructions

NOTE: CONSULT LOCAL BUILDING CODES PRIOR TO INSTALLATION

IMPORTANT! Be advised, some states have adopted special requirements like California's installation and flashing procedures for windows and sliding glass doors. This special requirement is *not* shown on this label but must be followed.

General Conditions

Improper installation or care may void warranty. Manufacturer assumes no responsibility for failure or injury from improper installation, care, or use in applications that exceed product rating.

- Store unit in dry, shaded area, and do not lay flat.
- When handling doors, always lift at jambs for added safety and prevention of component damage.
- Protect vinyl and glass from plaster, mortar, concrete, and paint. Remove such materials before they dry by washing with clean water.
- Do not block weep holes.
- Avoid use of tools that could scratch glass or vinyl.
- Do not clean glass or vinyl with solvents, or cleaning fluids containing petroleum products, concentrated acids, or corrosive materials. Insulating glass seals and vinyl can be damaged by these products.
- Warning! Insect screens are for insect control only, and are not intended to provide a safety or security barrier.

It is the responsibility of the owner, architect, or builder to select and install products in compliance with applicable law and building codes.



Installing the Door Frame

Remove operable panel and screen from the door frame before installation.

1. Remove the mounting fin from the door frame at the head, jambs and threshold. Using a utility knife, score and cut the mounting fin at the notch, near the base of the mounting fin.
2. Using the appropriate assistance or equipment, lift and place the door into the rough opening for a trial fit.
3. Check the rough opening threshold, making sure that it is straight and level; make adjustments before final installation of the patio door, if necessary.
4. Once the door frame is checked for fit, remove the door. Place (3) continuous beads of construction adhesive along the entire length of the threshold rough opening, where the door threshold will be seated. Two of the beads must be straight, followed by a zig-zag pattern between the straight beads.
5. Prior to the final installation of the door frame, apply a thin bead of sealant to the interior blind stop or interior trim, where the edge of the door frame will contact it.
6. Using the appropriate assistance or equipment, lift and place the door back into the rough opening. With the threshold on the rough opening, center and rotate the door frame into the rough opening.
7. Press the door frame firmly into the adhesive at the threshold, compressing it the entire length. Fasten one of the upper corners of the jamb. The door frame should be fastened through the installation holes in the operator panel track to the rough opening. If installation holes are not provided in the patio door, drill a 1/8" hole through both walls of the door frame and a 3/8" hole through the first wall of the frame head and jambs. Use the 1/8" hole through the first wall as a pilot for the 3/8" hole. Use a step drill twice for each hole. Position the holes 6" from each corner, one at the meeting stiles and the remaining holes no greater than 14" apart. Hold the door frame tightly against the interior stop while fastening.

NOTE: Fasteners must be long enough to penetrate the rough opening framing by a minimum of 1".

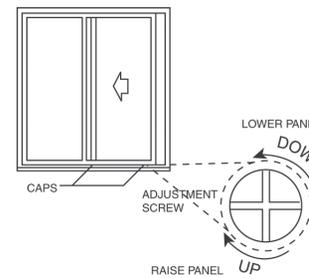
8. Level sill and plumb jambs utilizing shims as needed spaced approximately 24" apart. If shims are needed at the sill, use enough to support the weight of the fixed and operable panels without causing distortion in the sill.

IMPORTANT: If a sill pan system is used, shim between the opening and the pan, not between the pan and the door sill. To avoid water infiltration under the sill, use sealant above and below shims.

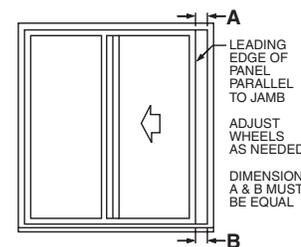
9. Measure diagonally from each top corner to the bottom corners. Check that the measurements are equal to verify that the door square and plumb. Adjust squareness with shims, as needed.

Reinstalling the sliding panel

10. Insert the sliding panel into the frame. Raise the panel by turning the face adjustment screws clockwise until 3/8" penetration in the head pocket is achieved.



11. Close the door panel against the frame leaving a small gap. Check the reveal between the lead stile and the frame jamb making sure the gap is equal at the head and the sill ends.



Adjusting the lock

12. Adjust the vertical position of strikes in frame and ensure proper lock operation (use 8 x 1/2" screws).
13. Use strike shims if needed to adjust horizontal position of strike. Check the smooth operation. After final adjustments, replace 8 x 1/2" screws with 8 x 2-1/2" screws and secure frame of door to the frame of the house.

Note: Shim jamb behind lock strikes

Trimming and sealing

14. Insulate between door and rough opening with loosely packed CertainTeed (or similar) fiber glass insulation. The space may be effectively filled with measured use of low expansion foam but only after determining that foam will not exert pressure against the frame which can impair operation. Distortion of the frame will affect the users' rights under the warranty.
15. Wall materials should be flashed and sealed to the door frame to provide a weather-resistant seal. Flashing material should be a minimum width of 9" and lap upward starting at the sill.
16. Maintain a 1/8" to 1/4" gap between siding or trim and vinyl frame to allow for expansion. Fill gap with flexible sealant.
17. Exterior wall systems, such as stucco and EIFS, must be designed and installed to manage moisture around window penetrations. Follow wall finish manufacturers recommendations.

Installing the Screen

18. Install screen by turning adjustment screw counterclockwise. Then insert top of screen into screen channel. Lift into place on top of track. Turn adjustment screw clockwise. Install strike in jamb. Check operability.

Maintenance

- Sill, roller track, and weep holes must be cleared of construction debris following installation and periodically thereafter to prevent damage to rollers and to allow drainage.
- Use only warm water and mild detergent with a clean cloth to clean glass and vinyl. Rinse with clean water and squeegee glass dry. Avoid use of razor blades, sharp tools, or dirty cloth, which may scratch glass. Do not use acids, alkalis, or concentrated solutions of vinegar or ammonia, which can damage glass seals.
- Internal lock parts and door rollers should be lubricated once a year with a graphite or Teflon lubricant to maintain smooth operation.
- Maintenance and replacement parts may be ordered through your dealer.

Any alterations of the product not authorized in advance by the manufacturer will void warranty.