INSTALLATION INSTRUCTIONS FOR ENTRY DOORS - (FRENCH) DOUBLE DOORS

Tools & Materials You Will Need:

- Measuring Tape
- Pencil
- Carpenter's Square
- Cedar Shims
- Hammer
- Level
- Drill & Drill Bits
- Stiff Putty Knife
- Utility Knife
- Hacksaw or Reciprocating Saw
- Caulking Gun & High-Quality Silicone Caulking in accordance with ASTM C 920 Class 25
- (1) box 2½" - 3" Galvanized Decking Screws or Smooth Shanks
- Batt Insulation or AAMA approved Non-Expanding Window & Door Insulation Foam in accordance with ASTM C 1620 (For insulating between rough opening and door frame)

Materials Provided:

- Hardware Kit for Both Doors
- Installation Screwpack

REMEMBER: ALWAYS USE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

1 UNPACK NEW UNIT

It is recommended to have two or more installers available for large unit installations.

Step 1 - Locate the bar coded shipping label on the box and confirm swing, color, and sizing. See sizing charts below.

Step 2 - Unpack the door and check for any damages, check if your order was shipped complete, and check by measuring for correct size.

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Homes built before 1978 may contain lead paint. All replacement installations must comply with the U.S. EPA's Lead-Based Paint Renovation, Repair, and Painting Program (RRP Rule). Read more about the RRP Rule and lead-safe work practices, on the U.S. EPA's website at: www.epa.gov/lead
If you are replacing an existing wood frame follow each step below. If this is a new opening go to Procedure 3.

Step 1 - Remove interior casing and exterior brickmold.

Step 2 - Remove hinge pins and door slab.

Step 3 - Remove or cut screws and nails fastening the old frame.

Step 4 - Take out existing door frame including threshold.

Step 5 - Build new sill area to allow new door to clear existing floor covering.

The threshold extension must have support underneath on exterior wall by adding material.

A masonry opening should be equal to or lower than floor level.

While replacing sill area material, shim under new material to level it. The sill area may need to be built up so new door slab will clear carpet, hardwood, etc. The new threshold is 1\(\frac{1}{4}\)" in height.
**Step 1** - Rough opening should now be jack stud to jack stud and floor or modified still plate to underside of header.

- A threshold extension must have adequate support underneath an exterior wall.
- A masonry opening should be equal to or lower than floor level.

**Step 2** - Check for plumb on both vertical sides to ensure rough opening jambs are on the same plane.

**Step 3** - Remove vertical shipping band, bottom shipping skids and brickmold cladding from new unit and test by Dry Fitting unit into opening to ensure it fits properly.

- Check to make sure door jambs are plumb (or on the same plane) and doors slabs lay flush in jamb pocket. Adjust frame in opening and shim if necessary.

Once you have made proper adjustments, remove unit.

**Step 4** - Caulk floor with 2 parallel, heavy beads of caulking where new threshold extrusions will contact floor.

- **4a** - Place outside bead in line with outside edge of wall to seal exterior. Place more beads creating a rectangle and tight seal on sill.
- **4b** - Back-caulk brickmold to seal backside to wall applying a continuous bead on exterior surface where brickmold makes contact.
Step 1 - Set bottom over caulking beads and tilt unit into opening. Threshold should be aligned over caulking beads.

Step 2 - Center unit into opening. To hold unit into opening, place one screw 6" from the sill into each brickmold leg.

Step 3 - From Outside: Plumb secondary door jamb. Jamb must be perpendicular (90° degrees) to threshold. Secure with a screw through exterior brickmold. If the floor is not level, check diagonal measurements to confirm square.

Step 4 - From Inside: Unlock deadbolt and remove shipping block from header of door without the factory installed deadbolt. Make sure doors are on the same plane and sit flush in jamb pocket.

Step 5 - Open doors. Using a temporary 2½" Smooth Shank (not included) in top hinge of secondary door. Adjust door allowing top and bottom astragal bolts to operate in factory preps. When installation is complete, the goal is to have ⅛" margins around doors.

The top of the active door should be even with or just below top of the non-active door.
Step 6 -

6a - Shim and install #10 x 2 ½" Hinge Screws at bottom of secondary door hinge. **(there will be a factory applied label over the top hinge detailing screw locations).**

- Astragal bolts must continue to function in existing factory holes.

6b - Shim & Screw locations and check astragal bolt function.

6c - Top Screws: Shim to adjust margins and use hinge screw at bottom open hole to secure. Check astragal bolt and remove temporary screw replacing with #10 x 2 ½" hinge screw.

Step 7 -

- Open active door. Use a temporary 2¼" Smooth Shank (not included) screw at top hinge.

- Adjust door so both top of active and non-active doors are even. **(There will be a factory applied label over the top hinge detailing screw locations).**

7a - Shim to adjust margins and use hinge screw to secure.

7b - Shim to adjust margins and use hinge screw to secure.

7c - Shim to adjust margins and use hinge screw at bottom open hole to secure.

Remove temporary screw and replace with hinge screw.

Step 8 -

- Now that all hinge screws have been installed, check the astragal bolt pin for proper connection (see illustrations View A & View).
Header strike plate is factory installed on jamb.

**Step 9** - Shim the header to adjust margin.

**Step 10** - Remove (2) #8 x 3/4" Phillips Flathead Screws and replace with (2) #6 x 3" Phillips Flathead Screws provided.

Add additional screws at shim locations along the header.

**Step 11** - Check for proper alignment by closing the door and securing top of bolt pin into center hole of header strike.

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**ADJUST THRESHOLD CAP - IF NECESSARY**

**Step 1** - If necessary, adjust threshold cap to improve seal.

**1a** - If threshold has movement, using a #3 screwdriver, remove cap (and metal channel it is attached to) and pre-drill to countersink holes inside cap channel where support is needed.

**1b** - Install deck screws to secure threshold into desired position.

**1c** - Cover screw head with caulking and re-install threshold cap.
6 ADJUST HANDLESET STRIKE

Handleset strike is factory applied on astragal and adjusts up and down as well as in and out.

Step 1 - Install handleset by following manufacturer's instructions in the hardware box.

Step 2 - Loosen strike plate screws until plate can move freely.

Step 3 - Move plate to desired location and snug screws to test location.

Step 4 - When desired location is achieved, tighten the screws while setting the tips into the astragal body.

The endpoint of strike screw must make contact with the inside of the astragal. This sets the screw on the astragal preventing strike plate movement during operation.

7 ADJUST DEADBOLT STRIKE

Deadbolt strike is factory applied on astragal and adjusts up and down as well as in and out.

Step 1 - Loosen strike plate screws until plate can move freely.

Step 2 - Move plate to desired location and snug screws to test location.

Step 3 - When desired location is achieved, tighten the screws on the strike retainers.

Screws will not make contact with astragal body!
8 INSTALLING INSULATION & CAULKING

DO NOT OVERSTUFF the batt insulation. Doing so will cause the doors to become out of square and will not operate properly.

Step 1 - To maximize energy efficiency, insulate any gaps between door and opening. Using batt insulation and a flat putty knife, insert into the INTERIOR cavities between door frame and rough opening.

OR

Using an AAMA approved ASTM C 1620 non-expanding foam, fill the cavities between door frame and rough opening.

Step 2 - Apply caulking to the exterior brickmold areas along the vertical sides and threshold areas.

The security flange is factory installed on all outswing doors. The security flange covers the gap between the doors to minimize exterior exposure. Important! During installation, you will need to take extra care when determining the margin between the doors.

Step 1 - Make sure security flange is snug against face of active door.

Step 2 - Outswing doors also come standard with bumper thresholds.

Step 3 - Basic installation is the same except for the contact point of the door to the threshold.

Contact your local recycling waste management center for waste disposal in your area. Always check local waste requirements and carefully dispose of waste in accordance with Federal and other regulations.