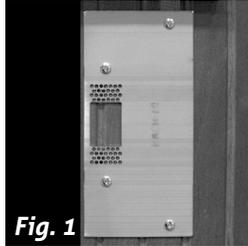


## 1. TOOLS AND MATERIALS NEEDED

- Level
- Flat Screwdriver
- Tape Measure
- Caulking
- Safety Glasses
- Utility Knife
- Hammer
- Power Drill & 1/8" Drill Bit
- Caulking Gun
- Nail Set

## 2. IMPORTANT NOTES

Remove all packaging materials such as nails, staples, and cardboard prior to installation. If your door unit comes with a security plate, do not remove it. Install the door with the security plate attached. **Fig. 1**



## 3. PREPARATION PRIOR TO INSTALLATION

The floor area should be clean, dry and levelled. A solid, level sub-sill is absolutely essential for proper door system installation.

- Once this has been done, apply three 1/4" lines of caulking along the length of the sub-sill, the first line starting approximately 1" from the inside edge. The lines should be about 1" apart and should seal the sill and sub-floor preventing any moisture from infiltrating the unit. **Fig. 2**



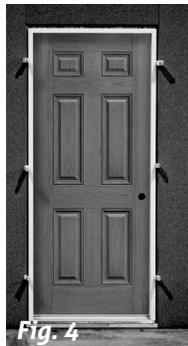
## 4. POSITIONING

- With the door facing out, tilt the door back toward the outside. Place the sill in the rough opening and tilt the door up and into the opening making sure that the sill is in contact with the caulking. The door frame (brickmould) should rest up against the exterior wall and should slide easily into the rough opening. **Fig. 3**



## 5. EXTERIOR DOOR INSTALLATION

- When installing a single door system, you should shim behind the latch side jamb roughly 8" from the top and where the sill meets the jamb at the bottom. Install shims until there is an even 3/16" gap between the jamb and the edge of the door slab along the entire length of the door. **Fig. 4**



- Shim behind the latch side jamb just above and below the deadbolt hole maintaining a 3/16" gap.
- Pull the weatherstrip away from the jamb and screw through the jamb and shims and into the stud. Drilling the screws underneath the weatherstrip allows the screw heads to be hidden from view, making it more cosmetically pleasing.

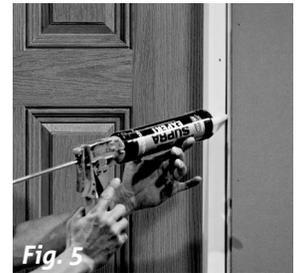
## 6. INSULATION

- When insulating the unit, score your shims with a utility knife and snap along the score. Insulate around the top and sides of the door unit between the door jamb and the wall studs.

It is recommended that you use either a low-expansion foam insulation or fiberglass insulation; then install the interior casing around the door.

## 7. CAULKING

- Caulk all four exterior corners and all around the brick or siding. The sill should be caulked on both the latch and hinge sides from the edge of the sill crown to where the sill and jamb meet. **Fig. 5**
- Caulk the front sill edge where the sill and sub-floor meet.
- Caulk the top corners where the header and side jambs meet, starting at the weather-strip and working towards the brickmould.



## 8. SILL CROWN ADJUSTMENT

- Sill crown may need to be either raised or lowered upon installation to form a tight seal with the fixed sweep.
- To adjust the height of the sill crown remove the caps from the sill crown to expose the screws.

Use flat screwdriver: to raise the crown turn clockwise and to drop the crown turn counter clockwise. **Fig. 6**

- Once ensured enough airtight seal with the sill is created then position the screw caps back.

If the crown is raised also ensure the new height is not compromising proper door operation.

