



Installation: Replacement Patio Door

Preparation:

1. Loosen and remove interior trim from old door by scoring the perimeter with a razor knife so as to not chip paint.

Measuring

1. Width: Measure between jambs at top, center and bottom of opening. Use smallest measurement, minus $\frac{1}{2}$ inch, for the overall width of the new door.
2. Height: Measure between sill and header at both jambs and center. Use smallest measurement, minus $\frac{1}{4}$ inch, for the overall height of the new door.
3. Depth: There must be at least $4\frac{1}{2}$ inches of installation surface, measuring inward from the rough exterior surface, to accommodate the new door frame. Refer to application drawings in Section 1.

Removing Old Patio Door

1. Check measurements to insure that the new door has been made to the correct size before proceeding. Door types may require different techniques for removal.
2. Remove rolling sash from old door. Remove fixed sash, or remove fixed glass from frame, depending on door type.
3. Saw through jambs at midpoint to facilitate removal of the frame.
4. Clean opening. Chisel off debris for smooth surfaces.
5. Remove and replace any broken or rotted perimeter material.

Installing New Door

1. Caulk sill: Deposit two (2) parallel beads of caulk across rough sill. Refer to application drawings in Section 1.
2. Flashing: Place sill flashing over the exterior caulk bead, if flashing is to be used, then deposit another bead of caulk on top.

Installation: Replacement Patio Door

Installing New Door (Continued)

3. Place frame: Set sash panels aside and position empty frame in opening, placing sill over caulk seals first.
4. Square frame: Tack-fasten frame near top of both jambs and square up using diagonal corner measurements. Securely anchor frame through inner and outer sash pockets in jambs and head. Use flat shims at all anchor locations. Insure that jambs and head are not bowed. Space anchor fasteners 10" from corners and not more than 24" apart.
5. If sill is to be anchored (recommended), insure that the center cavity of the sill is filled with caulk at each anchor location as shown in the application drawings in Section 1.
6. Reassemble sill components. Caulk weatherbar (SW532) where pile leg butts jambs.
7. Position fixed panel so that it rests against the spacer blocks in the jamb. Fasten the meeting rail at head and sill with the meeting rail anchors wrapped with pile. All four anchor screws must be used. The bottom rail may be caulked across the interior.
8. Position the operating panel and adjust the rollers so that the sash is parallel with the fixed panel at the meeting rail.
9. Install the lock set, handles, and keeper. Check for satisfactory operation.
10. Install hole plugs over anchor holes in frame and sash roller adjustment holes.
11. Fill voids in wall with fiberglass insulation.
12. Replace trim.
13. Clean all visible surfaces with an appropriate cleaning agent (mild soap and water).

Reversing Patio Door Operator in Field

1. Remove operating panel from frame.
2. Unscrew keeper on jamb.
3. Remove screws that attach to deadlite from anchor block. Both head and sill.
4. Remove sill tread from frame.
5. Remove deadlite sash from frame.
6. Remove sill spacer blocks from outside track.
7. Rotate and replace deadlite panel to opposite side of frame where sill and jamb spacer blocks are located. (Push the sash in until it bottoms out of jamb spacers.)
8. Secure deadlite panel with screws through the anchor block, both head and sill. Snap interlock onto sash and screw in.
9. Remove rollers and handles from operating sash.
10. Remove locking gear, turn 180 degrees, and screw in.
11. Turn sash 180 degrees so that the head is now the sill.
12. Insert rollers and screw into place.
13. Reinsert handles and screw together making sure locking gear operates properly.
14. Adjust rollers.
15. Realign keeper to accept hook lock.
16. Turn screen 180 degrees. Remove screen keeper and remount to opposite jamb making sure screen locks into place.
17. Reinsert sill tread.

PATIO DOOR HANDLE INSTALLATION PARTS

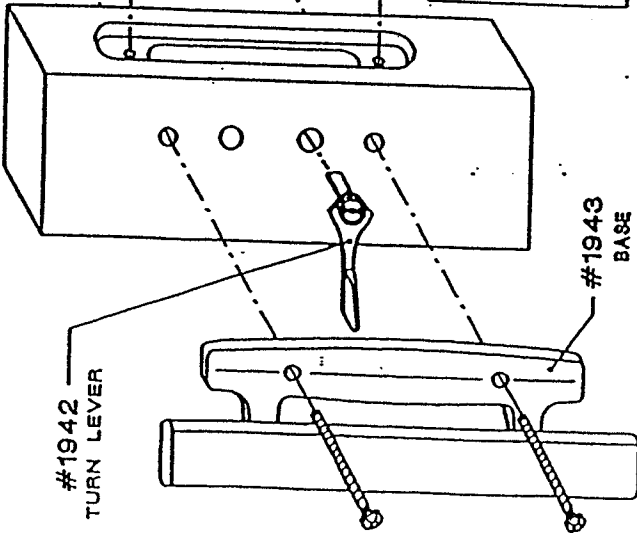
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INSTALLATION INSTRUCTIONS

MR. CARPENTER:
PLEASE SAVE THESE
INSTRUCTIONS
FOR HOMEOWNER.

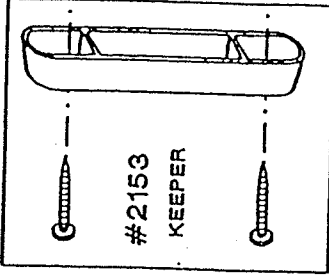
HANDLE AND PULL INSTALLATION:

INSERT TURN LEVER TAIL INTO DOOR LATCH HUB SLOT. PLACE THE INTERIOR AND EXTERIOR HANDLE ASSEMBLIES ON DOOR WITH HANDGRIP TOWARDS GLASS. INSTALL THE TWO LONG SCREWS THROUGH HANDLES AND TIGHTEN.

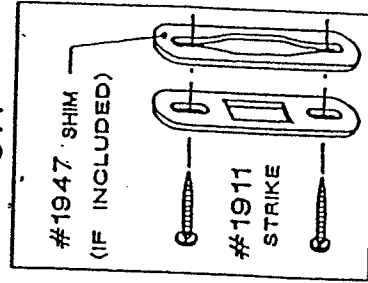


FRAME STRIKE:

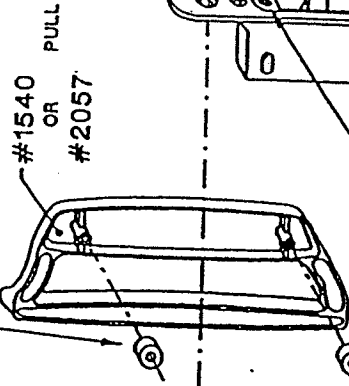
INSTALL STRIKE ON DOOR JAMB WITH TWO SCREWS. AFTER DOOR ROLLERS ARE ADJUSTED, ADJUST STRIKE FOR PROPER LATCH ENGAGEMENT.



OR



POSITION GASKETS AS SHOWN (IF INCLUDED)



NOTE:
LATCH MUST ENGAGE UPWARD

LATCH ADJUSTMENT:
AFTER DOOR AND STRIKE ARE ALIGNED, IN AND OUT ADJUSTMENT MAY BE MADE BY TURNING LATCH SCREW.



Foot Bolt Mounting Instructions

1. Properly adjust the height of the movable panel.
2. Hold the foot bolt against the door panel and extend plungers. Place the plungers on the aluminum track against the sash and mark where to drill the holes in the sash at the bottom of the mounting holes. Pre drill using a 7/64" drill bit, drill through one layer of vinyl and one layer or reinforcement. (CAUTION: do not drill more than 1/2" deep, you could possibly hit the glass).
3. Mount the foot bolt with supplied #8 x 2" panhead screw.
4. Open the door to the desired location for venting and push the plunger down, then mark for the two 3/8" holes.
5. Drill the two 3/8" holes through the aluminum sliding track only. Do not drill through the Vinyl.
6. Operate foot bolt to ensure proper operation.
7. Adjust The height of the foot bolt so the plungers fit firmly in the aluminum track.

Foot bolt enclosed

Foot Bolt

Mounting Holes

Drill Holes at the bottom of this slot and slide down when holes are drilled in Aluminum track. Tighten Screws.

Plungers

Extend these to determine mounting positions on sash.

