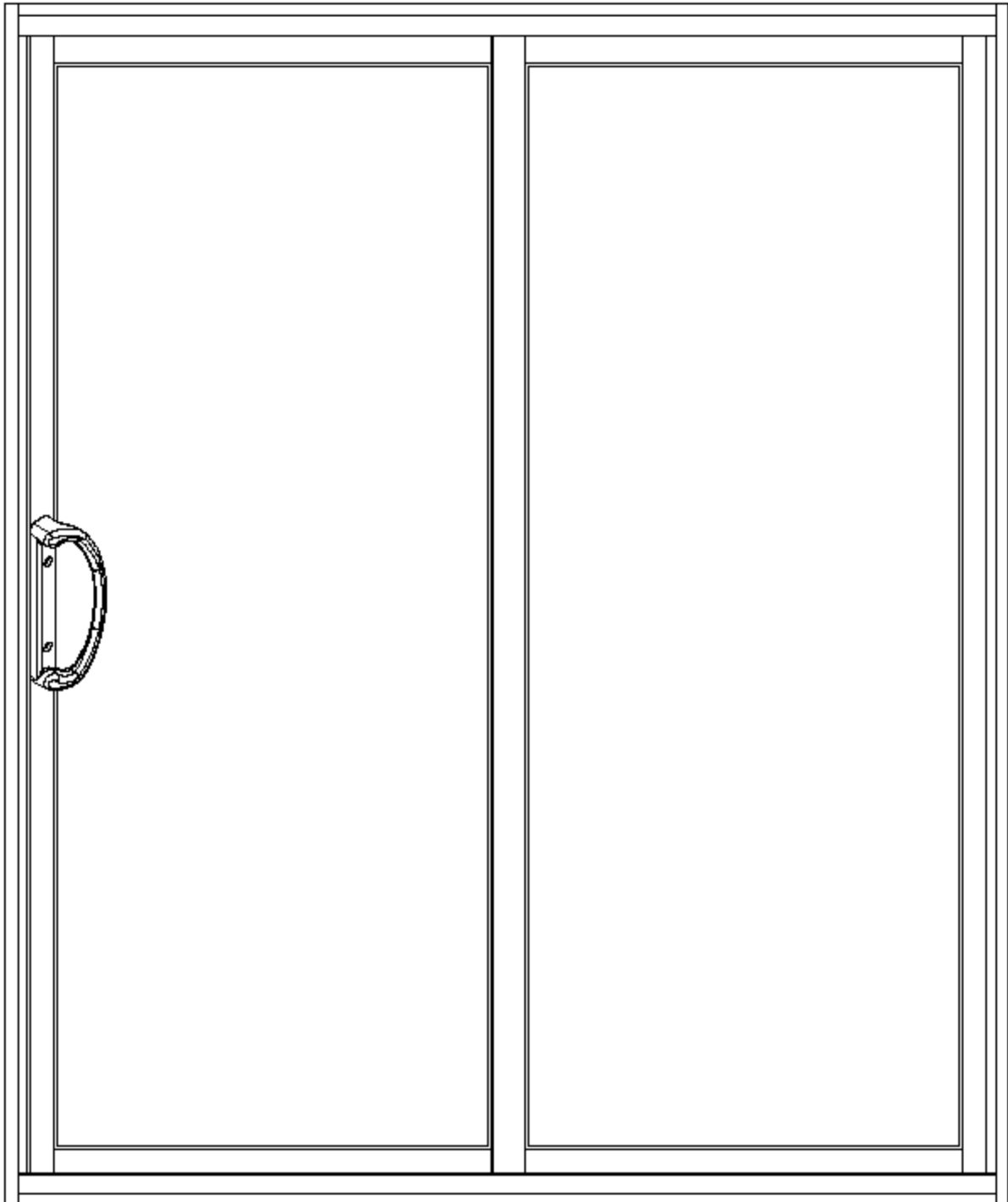


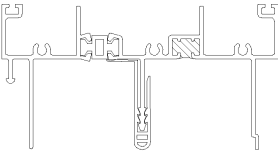
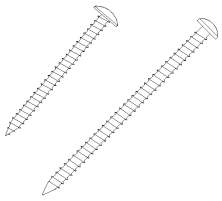
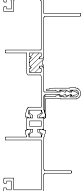

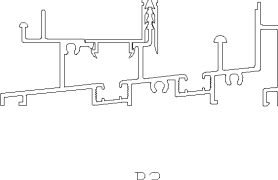
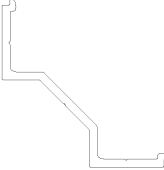
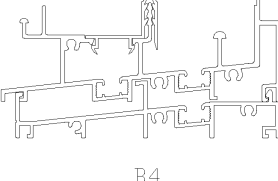
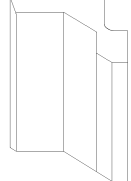
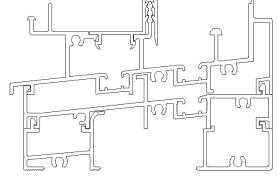
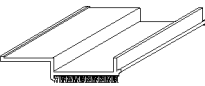
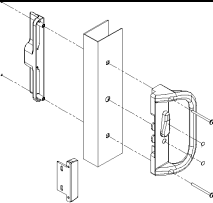
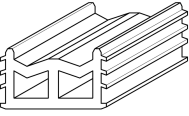
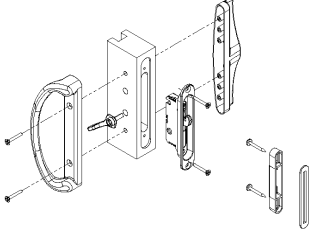
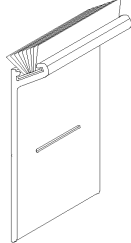
Series 7000 Aluminum Sliding Patio Door

Assembly and Installation Instructions



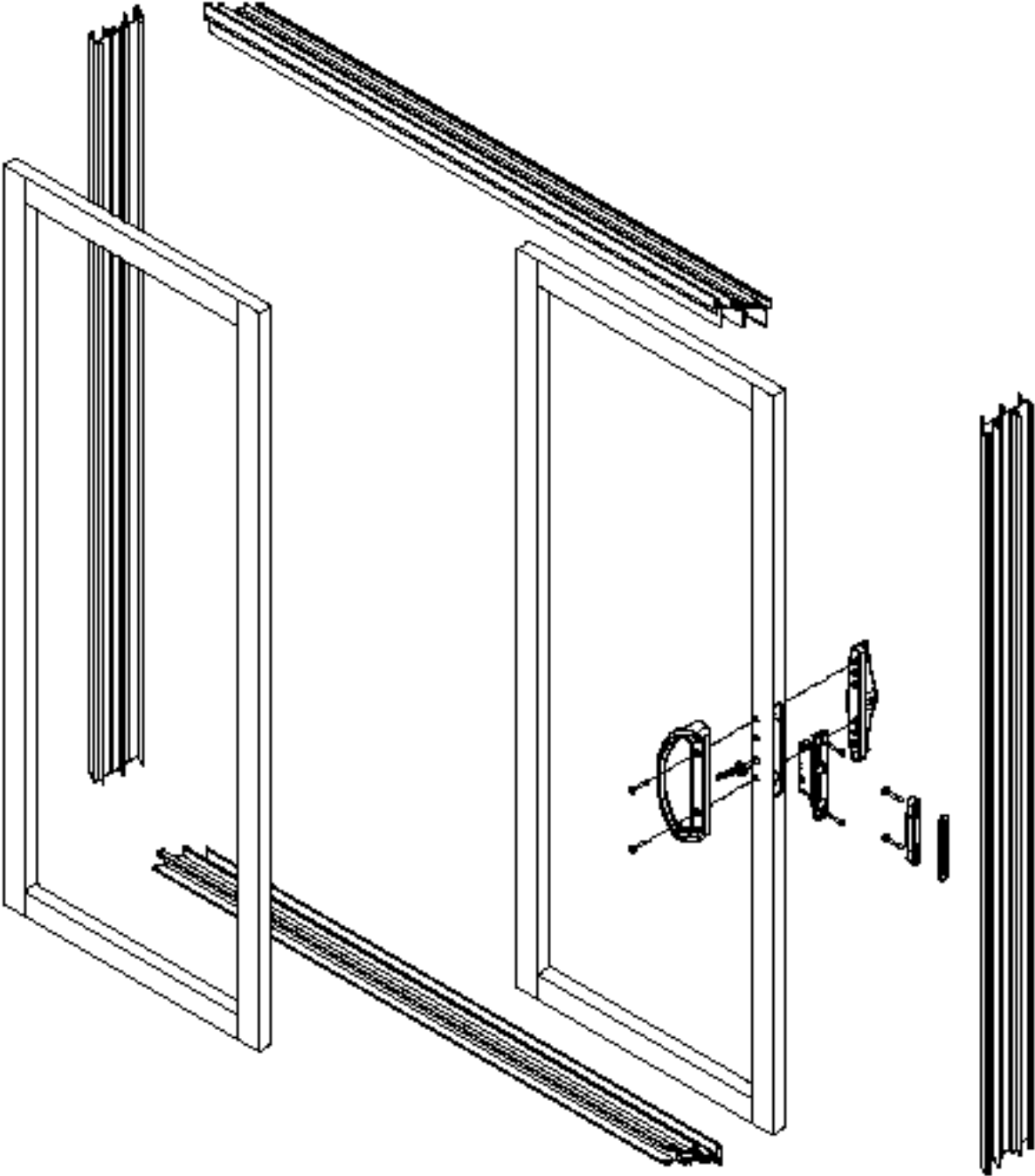
NOTICE

READING THESE INSTRUCTIONS FIRST AND FOLLOWING THE PROCEDURES IN PROPER SEQUENCE
WILL REDUCE FRUSTRATION, COSTLY MISTAKES AND WASTED TIME.

	Main Frame Header	1 pc		#8x1-1/2" Pan Head Screws – Frame Assembly	22 pcs
	Aluminum frame extrusion. Used for the header. Includes neoprene foam block in centre.			#8x3" Pan Head Screws – Frame Installation	
	Main Frame Jamb (Left and Right)	1 set		#8x3/4" Pan Head Self-Drilling Screws	5 pcs
	Aluminum frame extrusion. Used for the jambs (left and right sides). Includes Butyl foam gaskets.			4-Screws are used to attach the fixed panel clip (2 screws/clip) to the main frame and the fixed panel. 1-Screw for the anti-lift block.	
	Main Frame Sill B2 - STANDARD	1 pc		Fixed Panel Clip	2 pcs
	Aluminum frame extrusion. Used for the B2 Sill. Includes drain hole baffle(s).			The fixed panel clip is installed at the top and bottom of the frame and fixed panel. See labels on the frame and sash for location.	
	Main Frame Sill B4 – OPTIONAL	1 pc		Fixed Panel Clip Cover	2 pcs
	Aluminum frame extrusion. Used for the B4 Sill. Includes drain hole baffle(s).			The fixed panel clip cover goes onto the fixed panel clip.	
	Main Frame Sill B5 – OPTIONAL	1 pc		Anti-Lift Block	1 pcs
	Aluminum frame extrusion. Used for the B5 Sill. Includes drain hole baffle(s).			The anti-lift block is installed in the header portion of the door frame above the operating panel where the two panels interlock.	
	DH Lock Handle & Keeper OPTIONAL	1 Set		Operating Panel Stop	1 pcs
	Interior & exterior handle, keeper allows operating frame to lock with main frame. Hardware kit included.			The operating panel stop is installed in the header portion of the door frame in front of the fixed panel at the left or right jamb depending on the operation of the door.	
	Mortise Lock Handle & Keeper STANDARD	1 Set		Dust Pad (Factory Installed)	2 pcs
	Interior & exterior handle, Keeper allows operating frame to lock with main frame. Hardware kit included.			The dust pad is pre-installed on the fixed panel(s) in the "backed-off" position.	

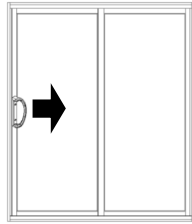
2-PANEL DOOR XO/OX CONFIGURATION

EXPLODED VIEW AND GENERAL PARTS LOCATION



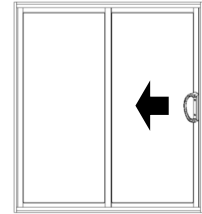
2-PANEL DOOR – INSTALLATION INSTRUCTIONS

GENERAL: Door elevations shown in these instructions are as viewed from the outside.



'XO' DOOR

'X' denotes the active or operating panel(s).
'O' denotes the inactive or fixed panel(s).



'OX' DOOR

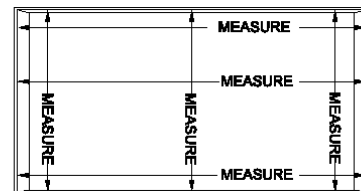
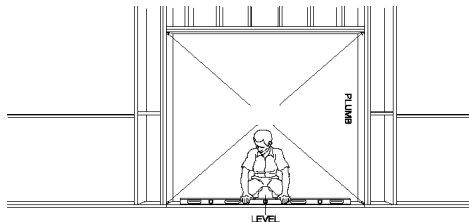
All 2-panel doors between 72" to 80" high are fully reversible. The locking hardware on the operating panel is located at the mid-point of the panel unless otherwise requested. For 3 and 4 panel doors or alternate locking hardware options, refer to the supplemental instructions sheet.

ROUGH OPENING:

The rough opening should be made 1/2" wider and 3/8" higher (+/- 1/8" each way) than the actual door frame size (Refer to the chart for frame sizes). The sill or base of the opening must be solid, level and of sufficient width and depth to support the entire door sill in a continuous and uniform manner. It is important that the opening be plumb and square as the door will not perform to its potential if installed into an improperly prepared opening.

7000 Series Technical Specifications

CONFIGURATION	SIZE	Frame Size (in)				Rough Opening (in)			
		Width	B2	B4	B5	Width	B2	B4	B5
XO or OX	5068	59-1/2	79-5/8	80-1/4	81	60	80	80-5/8	81-3/8
XO or OX	6068	71-1/2	79-5/8	80-1/4	81	72	80	80-5/8	81-3/8
XO or OX	8068	95-5/8	79-5/8	80-1/4	81	96-1/8	80	80-5/8	81-3/8
OXO	9068	107	79-5/8	80-1/4	81	107-1/2	80	80-5/8	81-3/8
XOO or OOX	9068	105	79-5/8	80-1/4	81	105-1/2	80	80-5/8	81-3/8
OXXO	10068	117-7/8	79-5/8	80-1/4	81	118-3/8	80	80-5/8	81-3/8
OXO	12068	143	79-5/8	80-1/4	81	143-1/2	80	80-5/8	81-3/8
XOO or OOX	12068	141	79-5/8	80-1/4	81	141-1/2	80	80-5/8	81-3/8
OXXO	12068	141-7/8	79-5/8	80-1/4	81	142-3/8	80	80-5/8	81-3/8
OXXO	16068	189-7/8	79-5/8	80-1/4	81	190-3/8	80	80-5/8	81-3/8

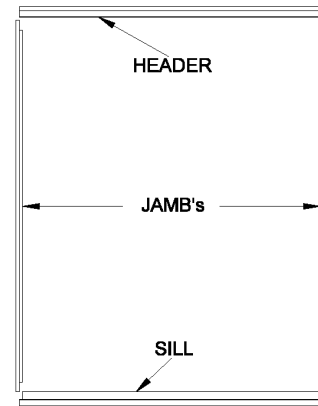


FRAME ASSEMBLY:

The frame consists of 4 main thermally broken aluminum members:

1. Header Track
2. Sill Track (B2, B4 or B5)
3. Left-hand Jamb
4. Right-hand Jamb

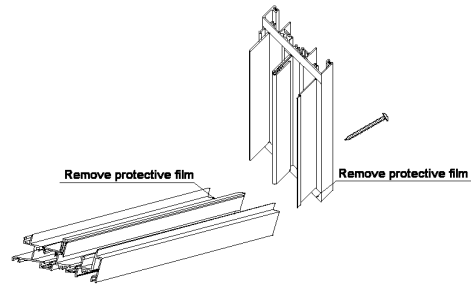
All main frame members are machined so that they may be assembled in only one way. Lay out the framing members as shown in the diagram.



Prior to assembling the frame, remove protective film from factory installed Butyl tape.

Using the #8 x 1-1/2" screws provided; fasten the header and sill to the jambs as shown, make sure the screws are drawn tight.

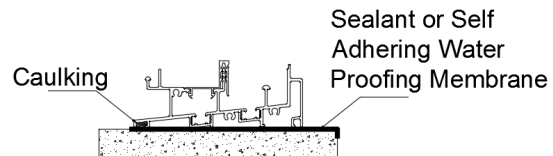
If the butyl pad is compromised or missing, apply a 1/8" bead of silicon from the bottom of the track to the top of the sill at the jamb joint and across the jamb lip. Apply to the left and right jamb joints.



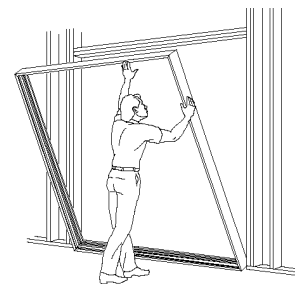
FRAME INSTALLATION:

The main frame is always installed with the sill sloping to the outside.

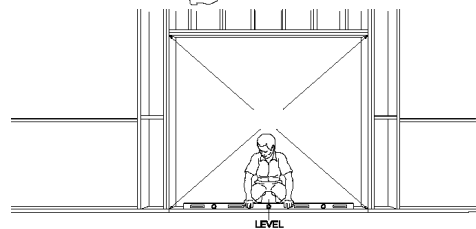
Apply a heavy continuous bead of high quality Butyl Acoustical Sealant or Self Adhered Water Proofing Membrane to the concrete slab or sub-floor material below the sill for the entire width and depth of the sill. Then carefully insert the frame into the opening as shown.



Centre the door frame within the rough opening leaving equal clearance at both jambs.



The sill must be installed level and uniformly supported from end to end and from front to back. Use a level, and use solid shims (every 16") if necessary to compensate for unevenness in the opening. Use brackets or angles that do not puncture the top of the sill if possible. If the use of screws cannot be avoided through the sill (**NOT RECOMMENDED**), ensure they are back sealed and covered with sealant. They must be waterproof. Apply sealant to all fasteners in the sill.



- **At a minimum, the header must be anchored at each meeting or parting rail and within 6" of each corner. The jambs must be anchored 6" from each corner and within 6" from the top and bottom of the lock keeper for the operating side, but more for oversized doors. Clearview strongly recommends that fasteners are installed in both the inner and outer tracks on the header and jambs.**
- For security it is recommended to install solid blocking between the jamb and the surrounding structure at the lock keeper location and to put installation screws through and directly above and below the keeper. All screws must engage the surrounding structure a minimum of 1".
- It is the responsibility of the installer to drill the installation holes. Anchor the fixed side jambs within 6" of the center of the jamb.
- Set shims behind the frame installation holes to make the mainframe plumb and square then temporarily fasten the frame to the surrounding structure. Using a level and measuring diagonally, check that the frame is straight, plumb and square, make adjustments to the shims if necessary, and securely fasten all screws.

NOTE: For installations in high-rise buildings or high-wind areas, attaching to window systems, or when using oversized doors, the quantity, size, type and engagement of the fasteners and the supporting shims should be as follows;

- Minimum #8 x 3" screw fastener or better at 6" from end and every 30" spaced out at even intervals for the jamb and header. Fasten 2-screws at each point, one in the exterior channel and the other in the interior channel. All screws must be supported with cedar wood or composite shim material to allow for proper leveling.
- In the case of attaching within a window system, it is the responsibility of the contractor to determine if the surrounding structure is supportive of the door system.

INSTALLING THE FIXED PANEL

From the inside of the building, lift the fixed panel into the center track of the frame header and carefully lower onto the sill as shown. The wool pile at the meeting rail should now be facing the inside of the building.

The fixed panel should be completely level with the sill, no gaps should be apparent between the sill and the bottom of the fixed panel. The black closed cell foam above the fixed panel should be tight to all edges and past the interlock by at least 1/4".

Push the fixed panel securely and completely into the jamb.

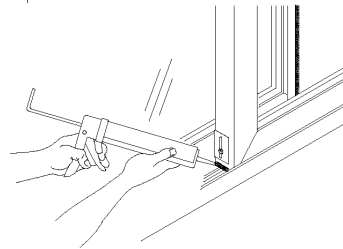
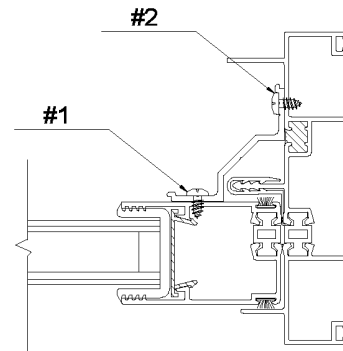
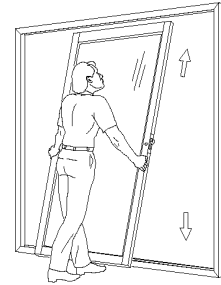
You may need to use silicone spray along the sill and up the jamb to fully engage the fixed panel. If additional assistance is required use a spreader bar to push the fixed panel firmly against the jamb.

First fasten the fixed panel clip to the top and bottom of the fixed panel with #8x3/4" screws (as shown #1) as indicated by the label on the fixed pull rail.

Now fasten the fixed panel clip to the top and bottom of the jamb with #8x3/4" screws (as shown #2) as indicated by the label on the jamb.

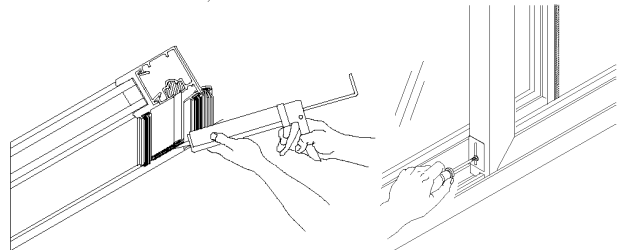
Now place fixed panel clip covers over the fixed panel clips.

With the fixed panel completely secured, apply a 1/8" bead of silicone starting from the exterior edge of the bottom fixed panel towards the interior all the way (as shown).



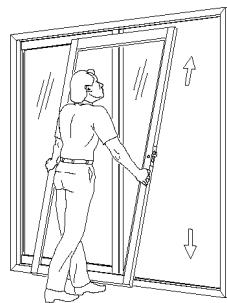
DUST PAD ADJUSTMENT

The fixed panel is shipped with the dust pad's factory installed in the "backed-off" position. After the door has been completely aligned and adjusted, apply a small bead of silicone at the interlock / sill joint along the entire interlock and underneath the dust pad. Loosen the dust pad adjustment screws and raise or lower the dust pads so that one dust pad fits tightly against the head and one dust pad fits tightly against the sill of the doorframe and re-tighten the screws.



INSTALLING THE OPERATING PANEL

Lift the operating panel into the inside track of the frame header and carefully lower onto the roller track of sill as shown.

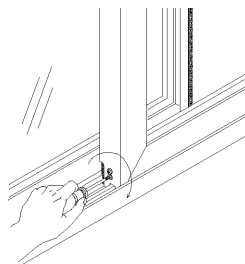


Using a hand held screw driver (#2-Robertson or #2-Phillips), adjust the rollers up or down to align the top of the weather stripping on the outside of the bottom rail to be riding approximately 1/16" to 1/8" below the sill frost bar as shown.

Turn the screw clockwise to raise the panel or counter-clockwise to lower the panel as shown.

NOTE: Clearview recommends lifting the panel slightly when adjusting the wheels for ease of turning and to ensure against stripping the adjustment mechanism.

Slide the panel in the closing direction to within 1/4" of the jamb. Visually, the gap between the panel and the jamb should be uniform from top to bottom. If not, adjust the panel downward at one corner until the panel aligns to the jamb. If the jamb is bowed, remove installation screws, adjust the shims, and re-fasten.

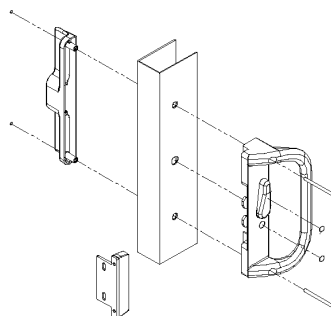


DH LOCK HANDLE AND KEEPER INSTALLATION

All hardware for locking the door is packaged separately. Follow the instructions enclosed in the hardware package for the following hardware option provided. Only after the panels have been adjusted as previously noted, attach the operating mechanism, handles, and lock keeper as outlined in the door hardware instruction sheet.

DH Lock: **Optional for all doors.** (Standard for OXXO doors) Attach the operating mechanism and handles to the lock rail as shown.

NOTE: Install the screws through the centre of the slots in the keeper to allow for future vertical adjustments if necessary.

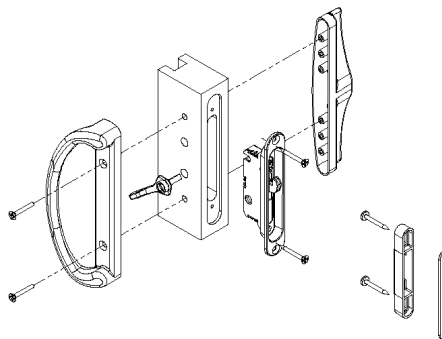


MORTISE LOCK HANDLE AND KEEPER INSTALLATION

All hardware for locking the door is packaged separately. Follow the instructions enclosed in the hardware package for the following hardware option provided. Only after the panels have been adjusted as previously noted, attach the operating mechanism, handles, and lock keeper as outlined in the door hardware instruction sheet.

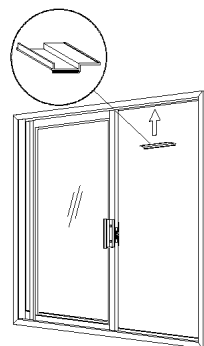
Mortise Lock: **Standard for all doors** (Not available for OXXO doors). Attach the operating mechanism and handles to the lock rail as shown. Ensure that the striker hook is facing upwards.

NOTE: Install the screws through the centre of the slots in the keeper to allow for future vertical adjustments if necessary.



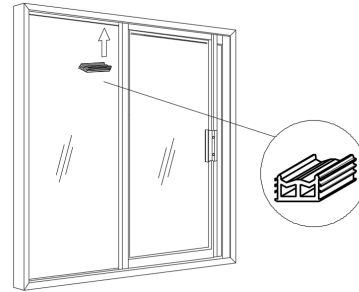
INSTALLING ANTI-LIFT BLOCK

The anti-lift block is installed in the header portion of the door frame above the operating panel. This is a security precaution to avoid intruders from lifting the panel while in the locked position. Slide the operating panel to the full closed position; place the anti-lift into the header section where the panels interlock as shown.



INSTALLING OPERATING PANEL STOP

The operating panel stop is installed in the header channel of the door frame in-front of the fixed panel at the far left or right (depending on operation) beside the jamb as shown.



INSTALLING THE SCREEN PANEL

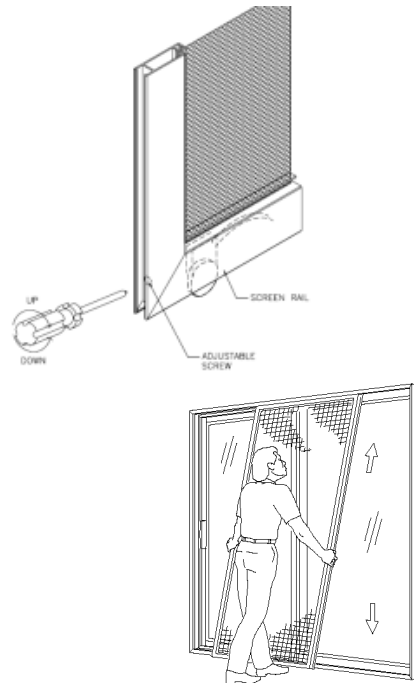
Before installing the screen, back-off all four wheels by turning the adjustment screws counter-clockwise as shown.

Insert the screen in the outside track of the frame header, swing the bottom of the screen towards the sill and snap the rollers over the sill screen track as shown.

Slide the screen in the closing direction to within 1/4" of the jamb. Visually, the gap between the screen and the jambs should be uniform from top to bottom.

Using a screwdriver (#2-Robertson or #2-Phillips) adjust the rollers on the bottom of the screen up (clockwise) or down (counter-clockwise) to align the screen as shown above. Adjust the top rollers just enough to snug the screen in the top track and allow easy rolling.

Install interior locking handle and exterior handle to the screen.



CAULKING/INSULATION/FINISHING

Use high quality exterior sealant that is compatible with aluminum surfaces of the sliding door and the surrounding structure. (Check the application with you sealant supplier.) It is important that all aluminum surfaces to be caulked are free of dust, dirt and grease and are well cleaned. Depending on the sealant being used, a primer may also be necessary.

NOTE: DO NOT caulk over the weep(s) when caulking across the sill.

Insulate perimeter of door frame between sub-structure and door frame using low expansion spray foam insulation. Do NOT overspray foam as this could cause deformation of the frame. Or use loose fill batt insulation.

Finish interior and exterior trim as required.

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