



# Panoramic Door™ Block Frame Installation Manual

**Signature Aluminum Series**  
**Absolute Vinyl Series**

Aluminum top and bottom track with either aluminum or vinyl panels



2515 Industry St, Oceanside, CA 92058  
760-722-1250 | [www.panoramicdoors.com](http://www.panoramicdoors.com)

# Thank you for choosing Panoramic Doors!

**Congratulations!** You have purchased a multiple award-winning door that is known for quality, ease of use, and innovative design. Whether you want to open up a room in your home or create a more attractive environment for your clientèle, the Panoramic Door™ is the perfect choice!

In this manual you will find all the information you need to properly install your door. If you have any questions regarding the door system, installation, or care, please contact Panoramic Doors or your dealer.

Your door has been assembled and inspected in the factory to insure that it meets order specifications and quality.

All items have been packaged to prevent damage in transit. Please inspect all door components to insure they have arrived without damage.

All Panoramic Doors are packaged and shipped with all components needed for assembly. Panels are factory glazed and all operational hardware (head rail magnets and bolts, bottom track hinge blocks, and locks) are pre-installed. The door frames are covered with protective tape that should only be removed once the installation has been completed.

\*We do not include sill pan, sealants, fasteners, bolts, shims or other parts needed to anchor and secure the door frame to the rough opening.

\*\*A sill pan is recommended for all installations.

## **NOTE**

Regulations regarding the use of glazed doors, storefronts, partitions and windows vary from state to state. It is the sole responsibility of the building owner, engineer, architect, contractor, or independent installer to verify that the products ordered fulfill federal, state, and local codes and regulations. Panoramic Doors do not assume any responsibility or obligation for failure of the building owner, architect, contractor or installer to fulfill the necessary safety and building codes, laws and ordinances.

**PLEASE READ THE COMPLETE INSTRUCTIONS BEFORE YOU START INSTALLATION. THE PANORAMIC DOOR SYSTEM IS A UNIQUE OPERATIONAL SYSTEM THAT REQUIRES ATTENTION TO DETAIL AND PRECISION. FOLLOW EVERY STEP AND UNDER NO CIRCUMSTANCE CUT OR RESIZE ANY OF THE COMPONENTS. FAILURE TO COMPLY WILL RESULT IN MALFUNCTION AND OR DAMAGE TO PARTS RESULTING IN THE TERMINATION OF ANY WARRANTY, WRITTEN OR IMPLIED.**



## Before you begin installing your door!

Please inspect door for any damage that might have happened during shipping. This damage MUST be notated and Panoramic Doors must be notified PRIOR TO INSTALLATION of the door. Please provide photos of any damages PRIOR to installation.



**To report any shipping damage, please go to:**  
**<http://panoramicdoors.com/service-request-form/>**

# WOOD CLADDING



If your product has wood cladding, the wood must be sealed within 7 days of installation.

Failure to properly seal the wood within 7 days of installation will void your warranty.



**DO NOT ALLOW UNFINISHED WOOD TO COME INTO CONTACT WITH WATER OR PROLONGED DIRECT SUNLIGHT AS IT CAN CAUSE DISCOLORATION, WARPAGE, SHRINKAGE AND OTHER DAMAGE.**

# Installing Your New Panoramic Door Properly



**INSTALLATION VIDEOS AVAILABLE ONLINE**  
<http://panoramicdoors.com/installation-videos/>

Your Panoramic Door is a custom manufactured product. Unlike typical sliding doors, there are many more moving parts to this door. In order to assure your door operates properly, it is important that time and care are put into every installation.

A common question is: “How long should the installation process take?”

While every installation is different, we find that it takes an average of 1.5 - 2 hours per panel for door installation professionals. Thus, a four panel door would take 6-8 hours to install.

Taking your time to install the bottom track ‘level’ from side to side and “inside to outside” is essential for your door to operate properly. We find that having a laser level is best for this. While these range from \$100 - \$300 dollars each, they are a good investment to insure your door operates properly.

Second to getting the bottom track installed level is installing the top track plumb above the bottom track. The number one item to look at is the ‘pivot hole(s)’ in the top and bottom tracks. The top track must be installed so that the swing door pivot hole(s) is/are directly above the bottom track pivot hole(s). Once again, this is where a laser level comes in handy. Next you will shim the top track so that it cannot move out of position over time as the doors are opened and closed.

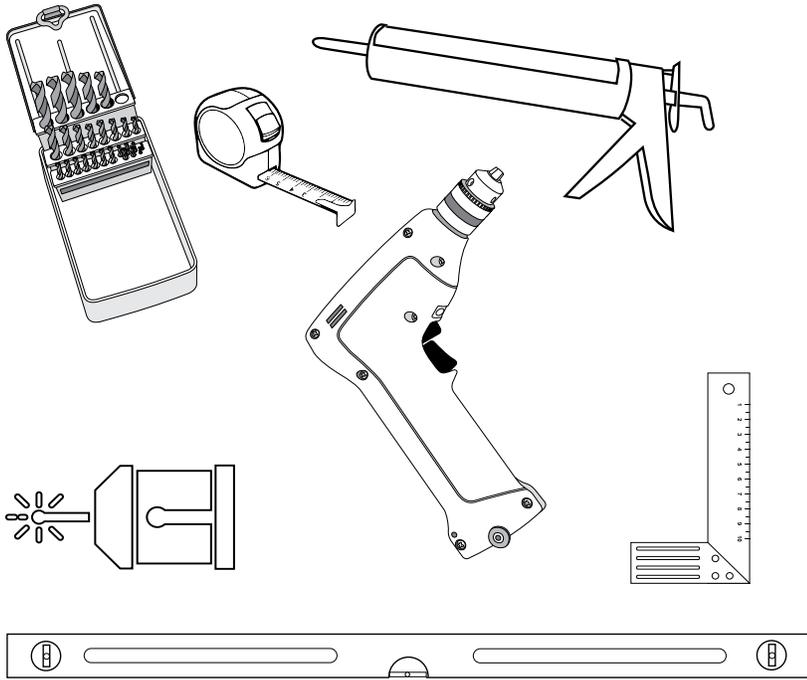
Once your bottom and top track are positioned properly and secured in place you will install your swing doors and sliding panels. If your tracks are installed properly (level and plumb), this step will be fairly simple and straightforward. If at anytime you have problems with alignment for the swing door or sliding panels, we recommend that you double check the tracks for level and plumb before continuing.

Each step of the installation process is covered in this manual. By carefully following all directions, you will find your door installation to be surprisingly painless. If at anytime you have any questions, feel free to call us at 760-722-1250 and we will gladly answer any of your questions.

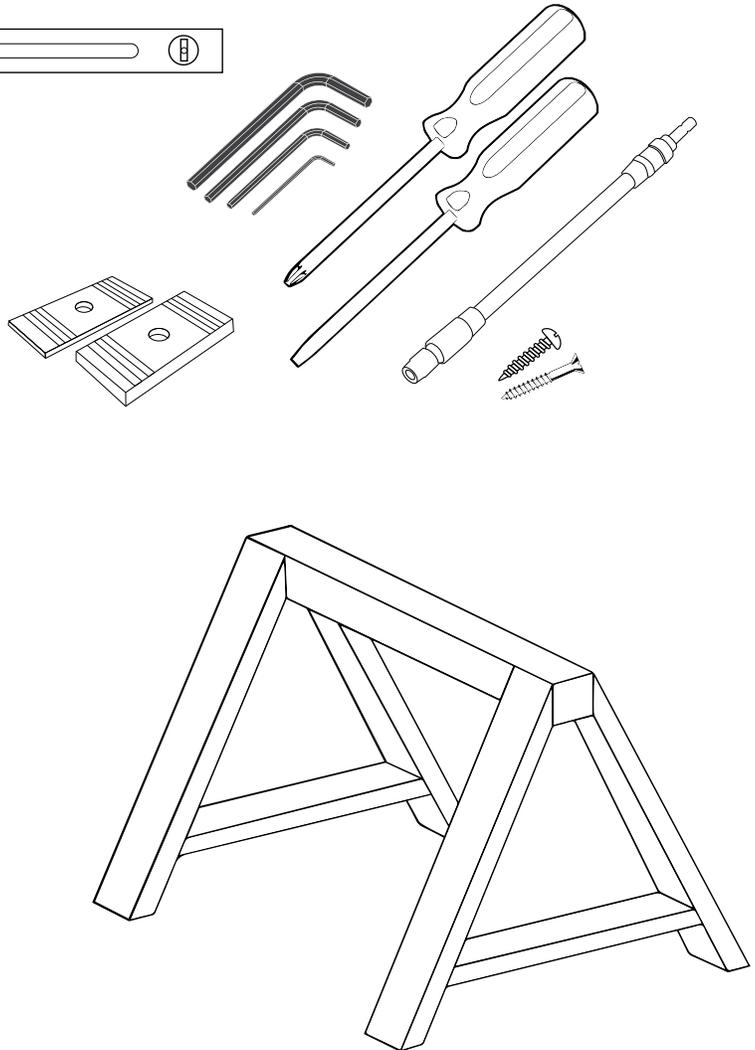
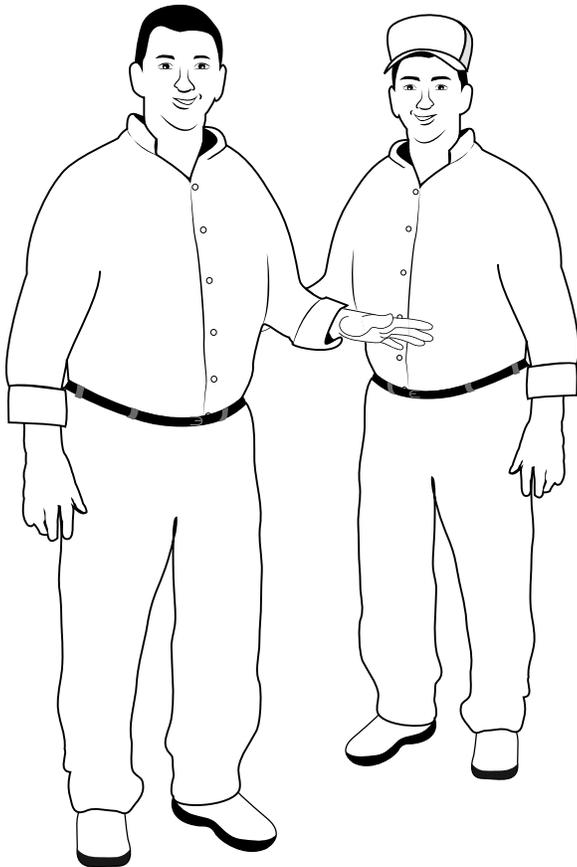
Thank you for your purchase, and “Good Installing” to you!

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# Getting Started > Required Tools



- **Screw drivers** (flat and Philips)
- **Screws**
- **Drill**
- **Flexible driver extension**
- **Self leveling laser level**
- **6' level**
- **Tape measure**
- **Caulk gun & sealant**
- **Drill bit set**
- **Set square**
- **Packers** (flat, all sizes; tapered shims  are not to be used on the install of the Panoramic Door)
- **Allen wrenches** (ball end imperial)
- **Saw horses** (4)
- **People** (2)



# Getting Started > Panel Descriptions

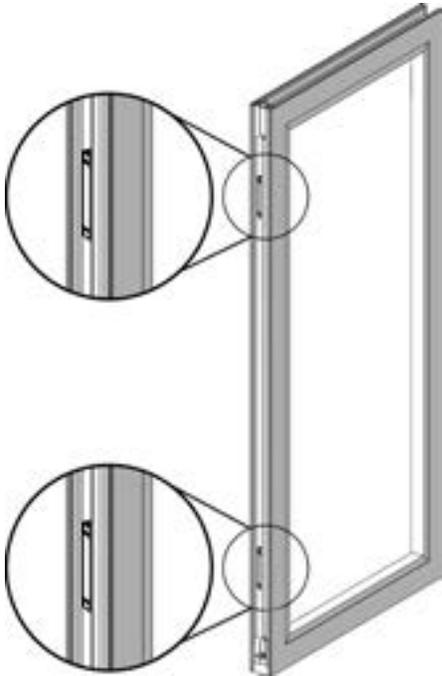
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**Swing Door**



**Sliding Panel**



**Swing Panel with Lock Keeps**  
(Install next to Swing Door)

## Getting Started > Sample Door Layout

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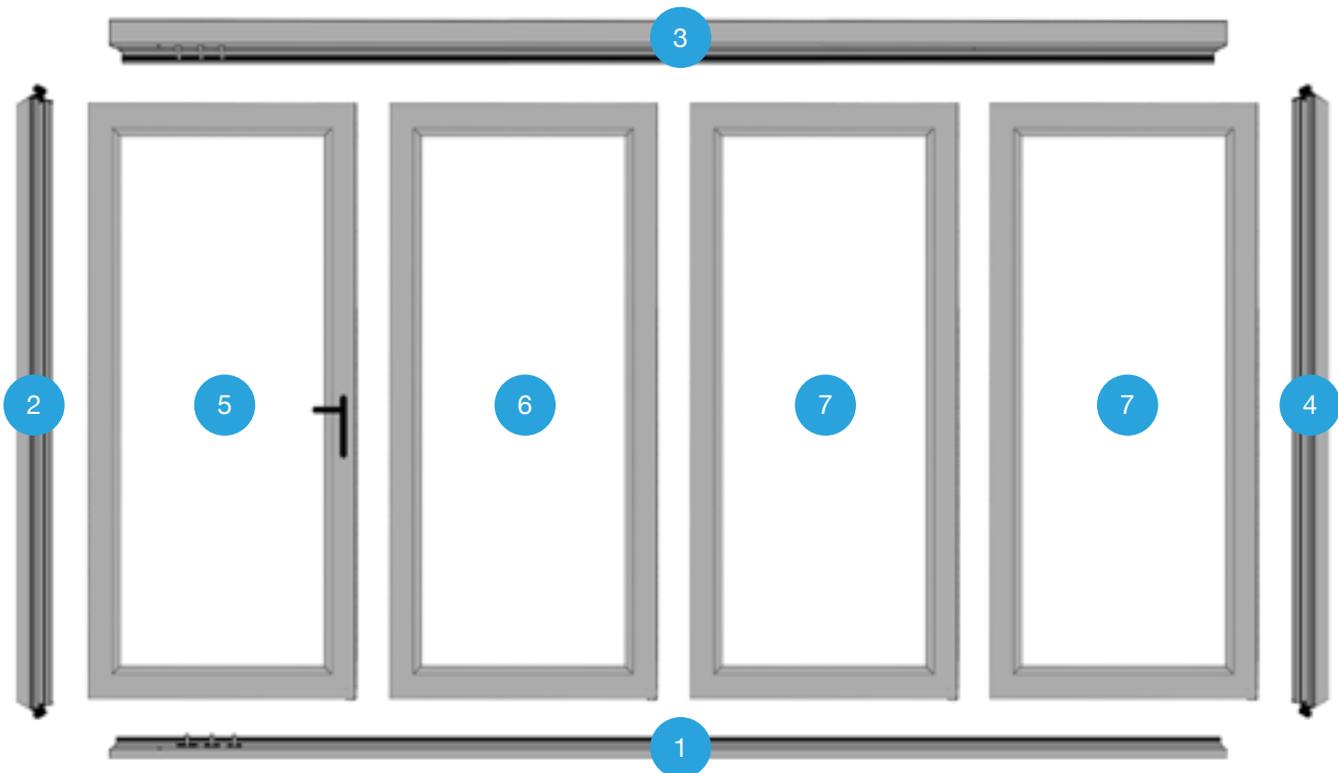
### 4 Panel Door with 1 Swing Door

**NOTE: VIEWED FROM OUTSIDE LOOKING IN**

The illustration below shows the labels of the components and the sequence of the panels. The installation process is as follows:

1. Bottom track
2. Swing door jamb
3. Top track
4. Sliding panel jamb
5. Swing door
6. First sliding panel
7. Second and subsequent sliding panels

The top and bottom tracks are pre-drilled for anchoring, but the jambs need to be drilled and fixed following the suggested pattern. The first panel to be installed is always the swing door, and then the subsequent panels in order. Always make sure each panel is safely secured before installing the next panel.



## Getting Started > Safety

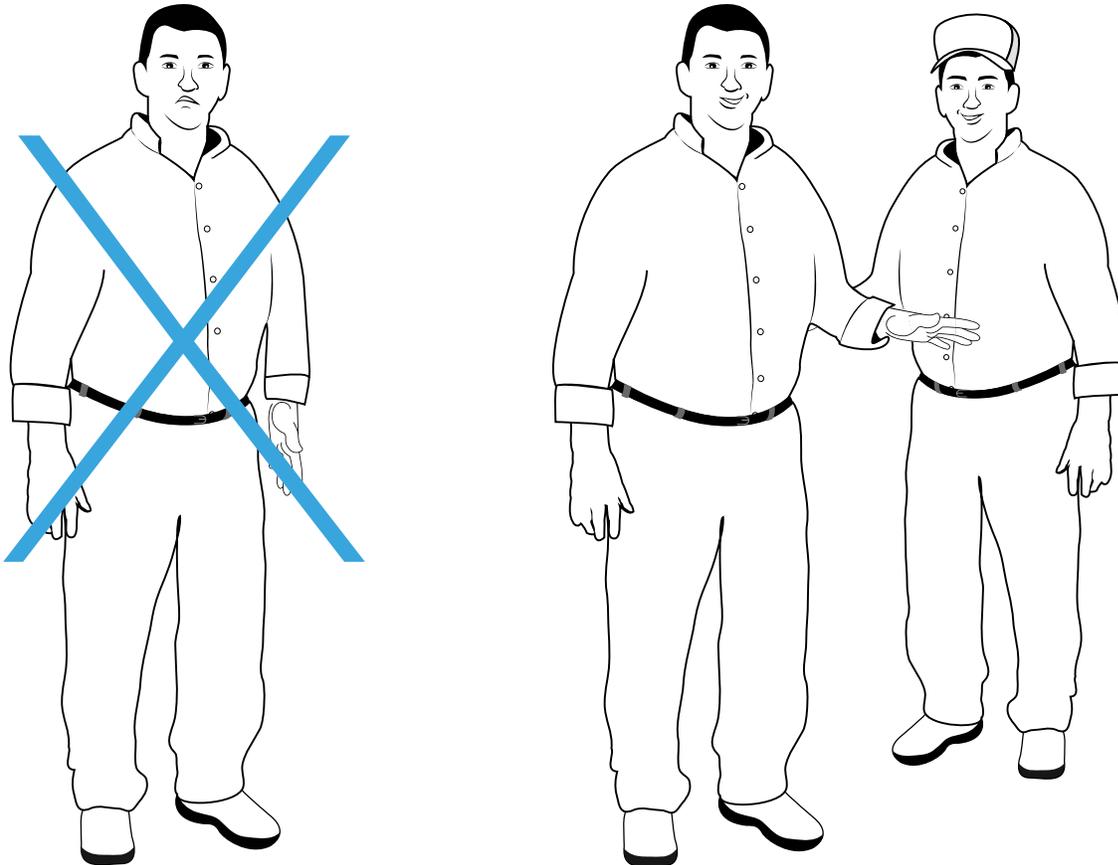
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### SAFETY

- Thoroughly familiarize yourself with all parts of the door system as well as the installation process and steps.
- Do not work alone. Two or more people are required to safely move and install panels.
- Be careful when handling glass. Clear the area around the opening where the door will be installed so as to avoid contact with anything that might break the glass in the panels.

### HANDLING COMPONENTS

- Store all door/window components in a safe and sheltered area, out of construction traffic.
- Do not drag or drop components. If needed, carry them with the help of a second person.
- Do not step on any of the components or place heavy items on top of them.
- Protect components from getting scratched or damaged.
- Wood components need to be kept away from weather exposure and extreme temperature changes until a finish has been applied.
- Do not stack or lean door panels against wall. This can cause frame warpage.



**WARNING:** Attempting installation without an assistant can lead to personal injury or damage to door. Always have help when installing your Panoramic Door.

# Step 1 > Preparing the Opening

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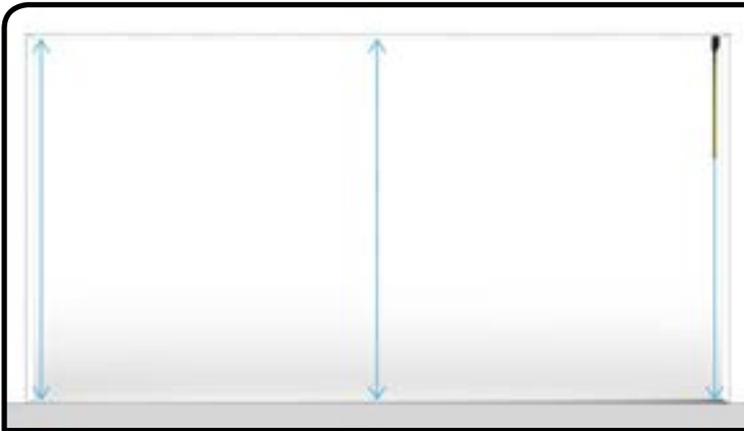


In order to achieve a professional installation of your doors, it is vital to use the appropriate tools and to prepare the fitting space correctly.

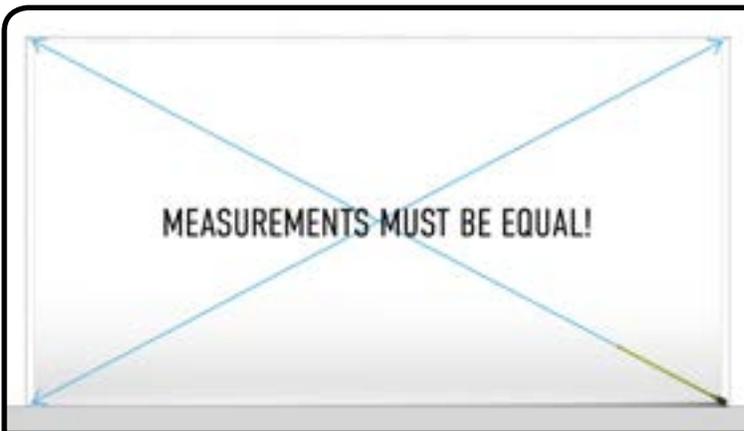
Please follow these instructions carefully.



When measuring the opening sizes, it is important to take three horizontal measurements: bottom, middle and top.



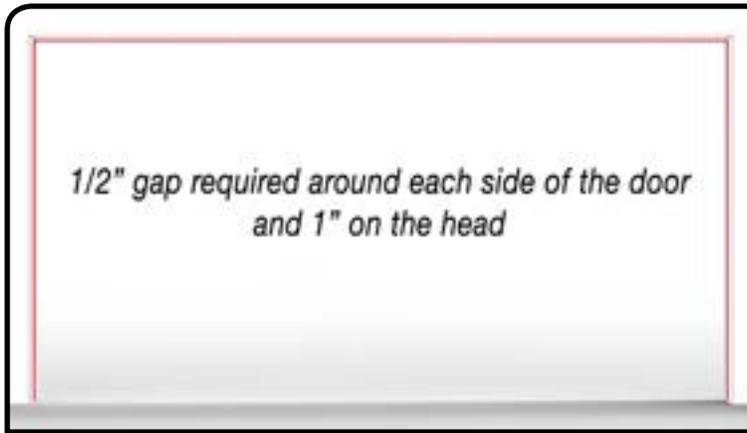
Three vertical measurements: right, center and left.



And both corner to corner measurements.

## Step 1 > Preparing the Opening

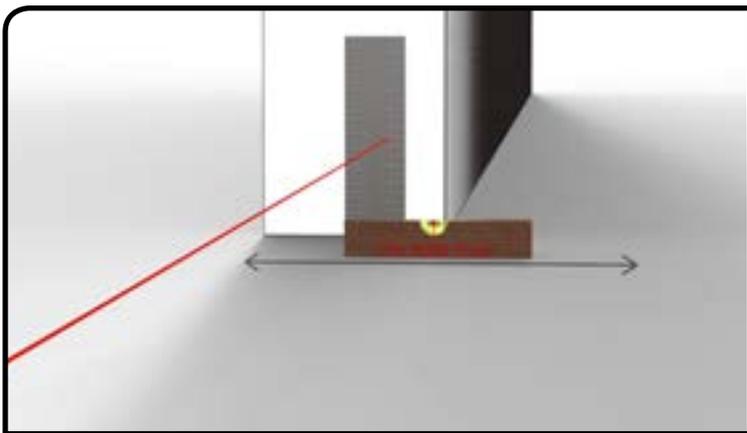
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A 1/2" gap is required on each side of the door and 1" on the head to allow for irregularities in the framework of the opening.



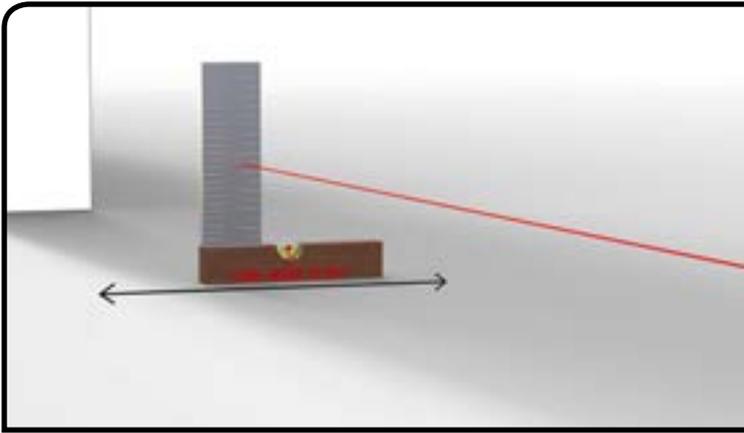
The smallest measurement should be the size with the 1/2" deduction.



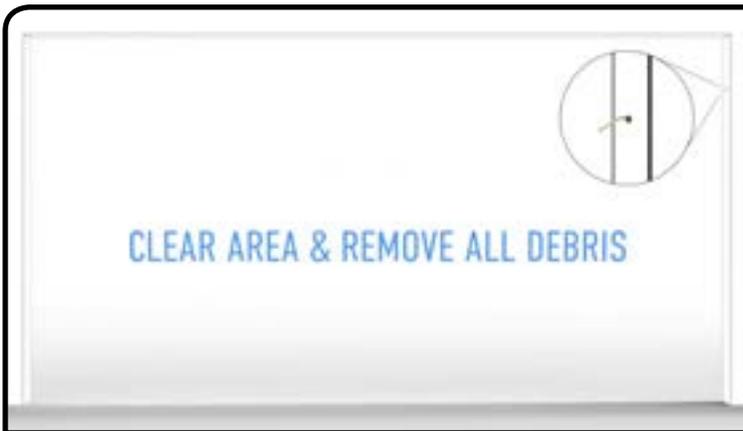
The most important factor when setting up the opening to receive the Panoramic Door system is to ensure the floor is level. We strongly recommend the use of a laser level and set square to ensure the floor is level.

## Step 1 > Preparing the Opening

---



Ensure the floor is level.



Take some time to ensure the surrounding framework is free of debris or obstruction.



When taking delivery of your Panoramic Door, it is important that the packages are stacked flat to prevent bowing or distortion of the panels and tracks.

Please carefully unwrap and inspect all parts PRIOR to installation. Handles, keeps and keys are stored within the packaging of the jambs and can be misplaced or discarded if not identified.

## Step 1 > Preparing the Opening

---



**WARNING:** ANY damage should be reported at this stage, prior to installation. If replacement parts are required, the installation may proceed. However, if remakes are required, it is advisable to postpone the installation to ensure that all required parts are available at the time of the install.

If you are not ready for installation, please make sure to store the panels in a safe area, out of the traffic, to avoid damage. Store panels in an upright position, and at no more than a 10 degree angle.



**IT IS NOW RECOMMENDED THAT YOU INSTALL A SILL PAN**

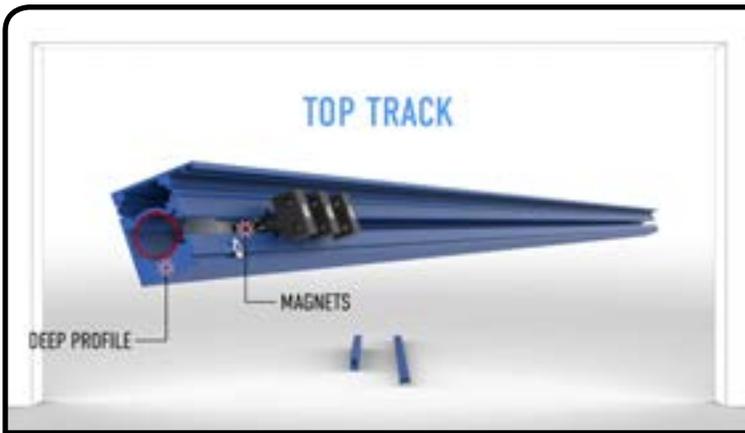
## Step 2 > Frame Assembly & Installation

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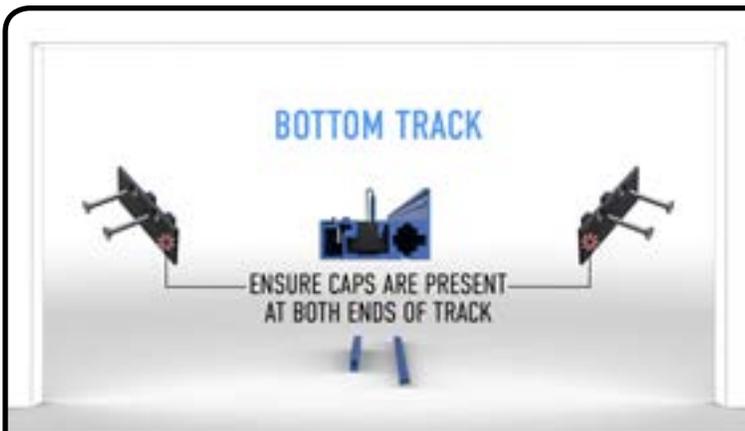


When unpacking the sections, it is important to identify the correct parts.

The top track is a deep aluminum section which contains the magnets for the system to operate.

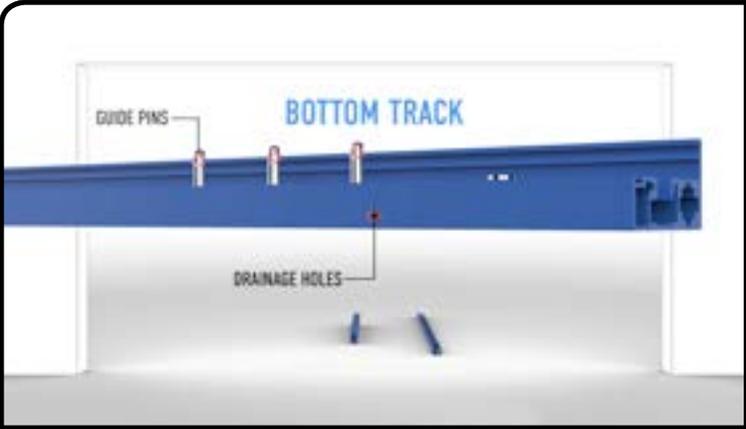


It has a circular internal cross section as shown here which houses the magnets.

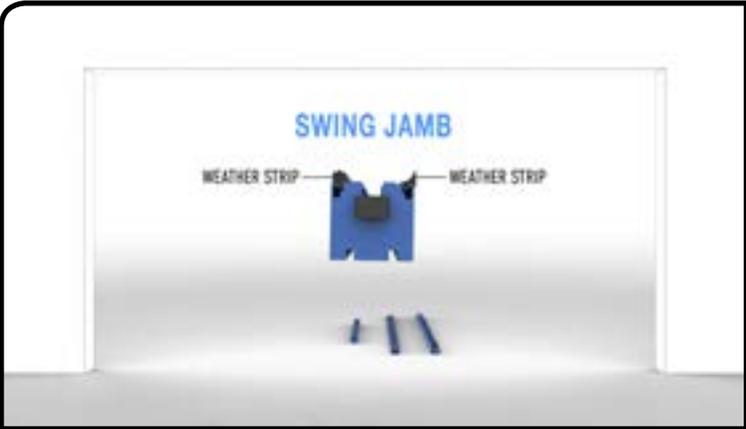


The bottom track will have end caps and contains the steel guide pins which fit into the bottom of the sliding panels.

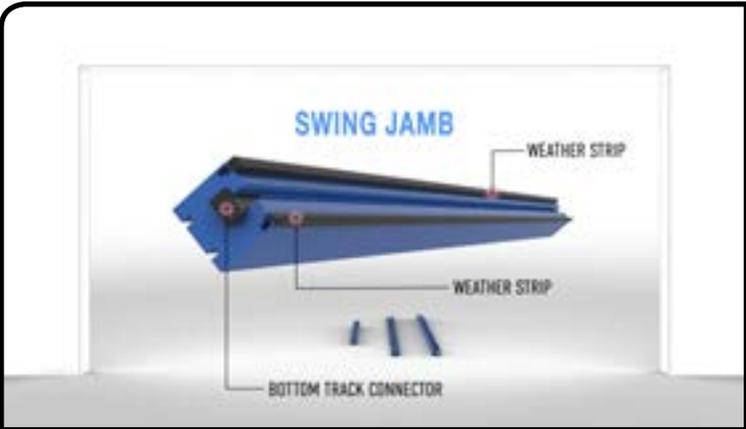
# Step 2 > Frame Assembly & Installation



The bottom track also has an internal upstand with woolpile attached.

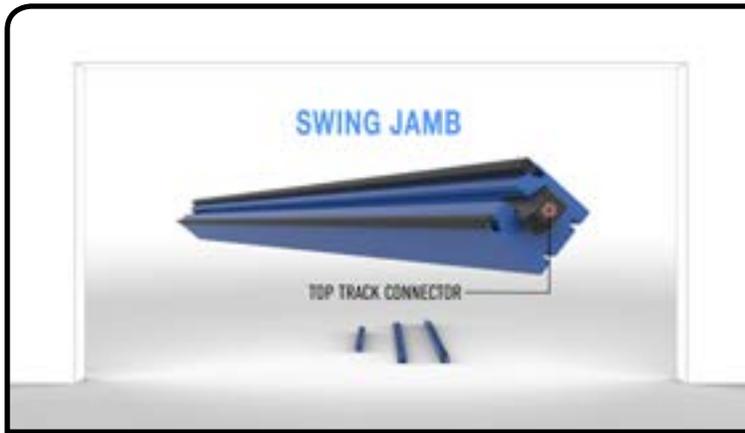


The swing door jamb has a rectangular shaped bottom track connector attached, and has weather stripping attached as shown.



## Step 2 > Frame Assembly & Installation

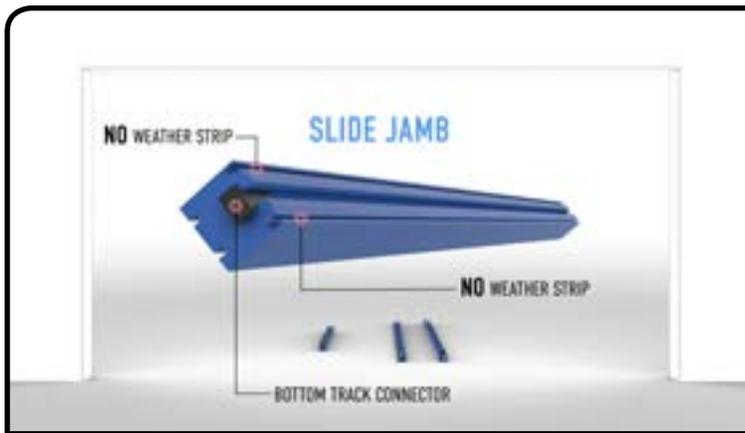
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The top track connector is rounded to allow easy location into the top track section.



The slide jamb has no gaskets on the door.



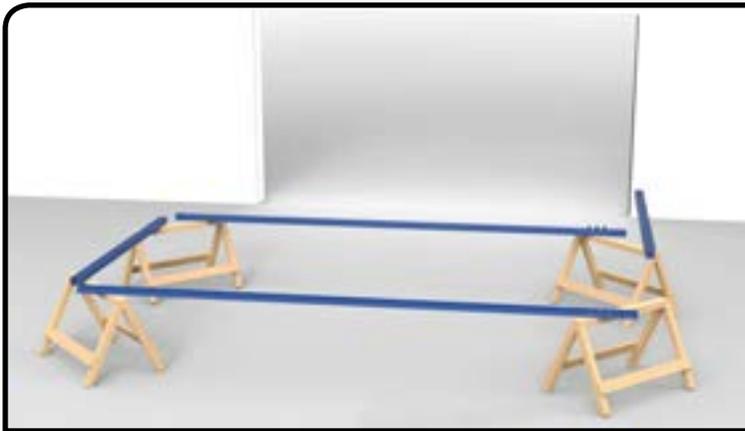
**CAUTION: JAMBS ARE NOT INTERCHANGEABLE!**  
SWING DOOR JAMB GOES WHERE THE CUTOUTS ARE. THE SLIDER JAMB GOES WHERE THERE ARE NO CUTOUTS.

## Step 2 > Frame Assembly & Installation

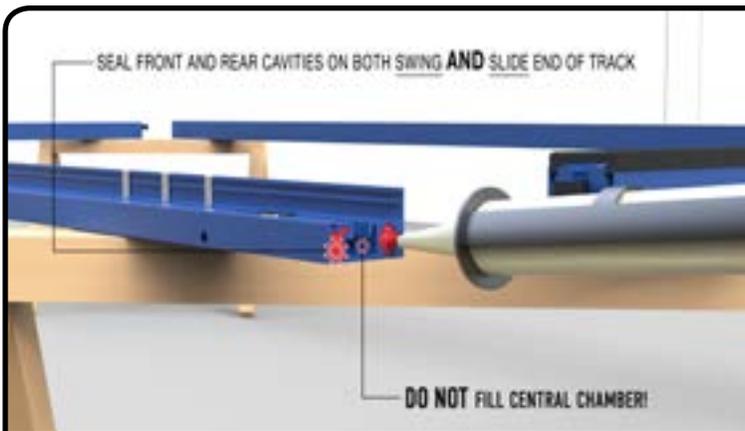
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The top track connector is rounded to allow easy location into the top track section.



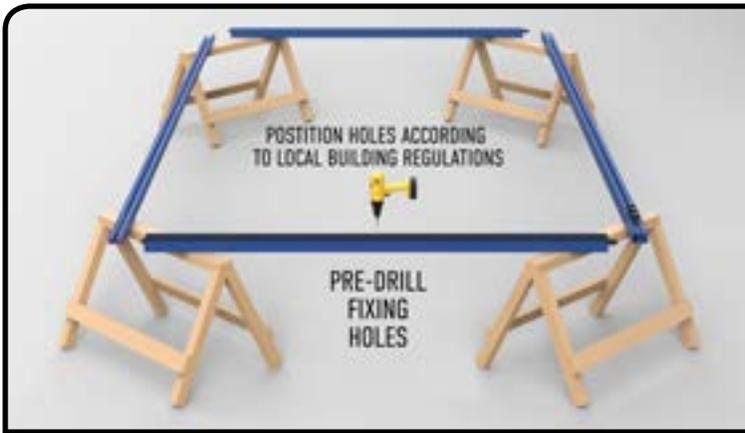
Using saw horses located adjacent to the opening, lay the four (4) frame sections in the correct sequence for assembly.



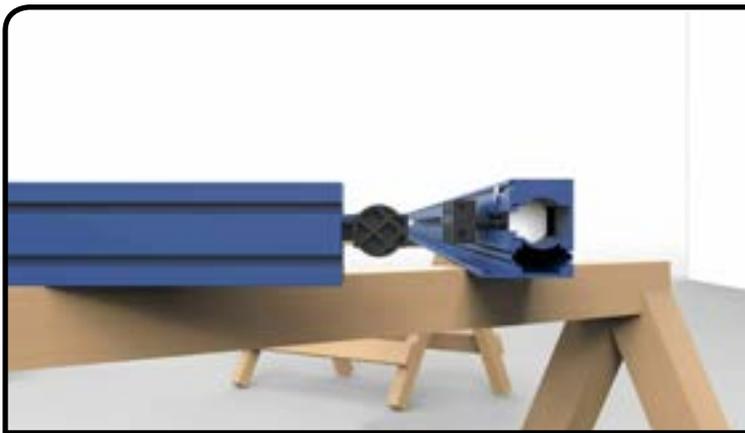
Remove the end caps. Then, using a sealant gun, apply low modulus neutral cure silicone to the rear and front cavities of both sides of the bottom track. At this stage do not seal the central chamber.

## Step 2 > Frame Assembly & Installation

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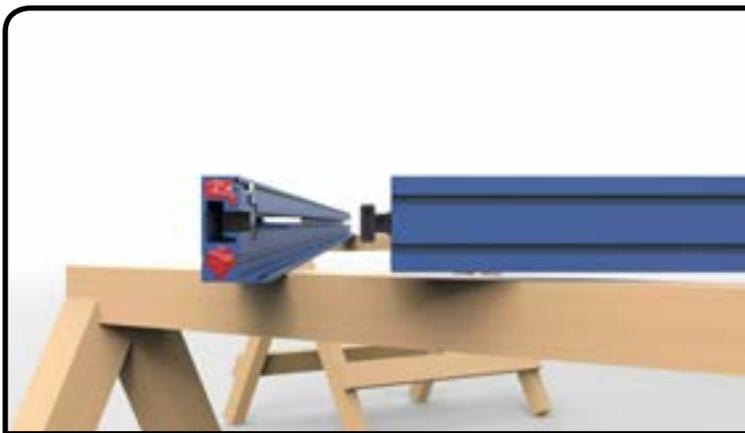


Pre-drill a fixing hole in each jamb to assist when locating the frame initially in the opening.



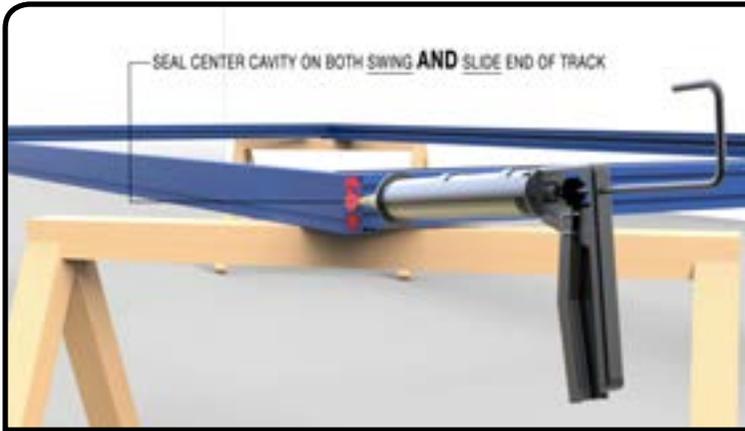
Carefully slide each jamb section into the top and bottom track, ensuring the frame corners stay safely on the saw horses during the assembly.

**IMPORTANT NOTE:** There are two jambs. One with weather stripping, one without. The jamb with the weather stripping, connects to the tracks at the ends that have the main door pivot holes. Your door will not seal properly if the jambs are reversed.

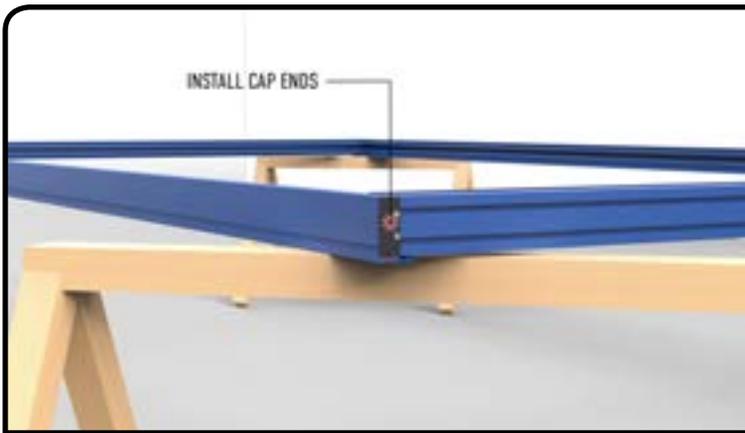


## Step 2 > Frame Assembly & Installation

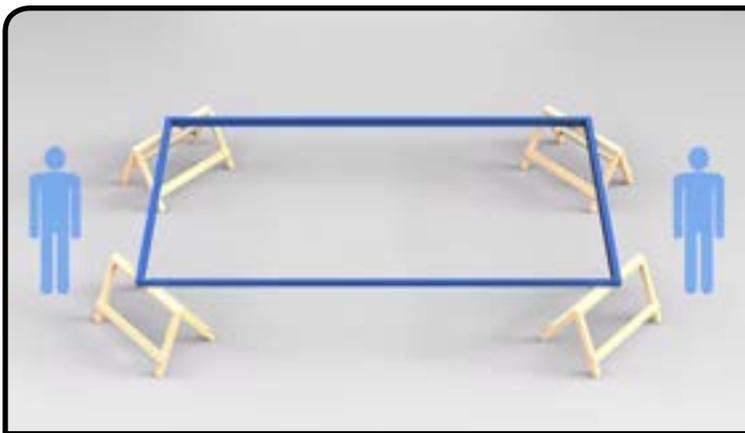
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When all four corners have been assembled, seal the remaining center cavity on both ends of the bottom track.



Install the track end caps at this point, if supplied.



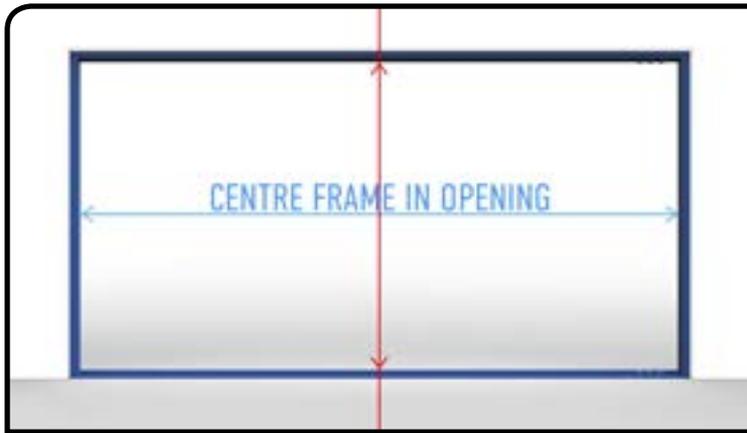
### **Position the Frame in the Opening**

You are now ready to position the frame in the opening. We recommend that two people lift the frame carefully, keeping the frame flat and square to prevent twisting at the corners.

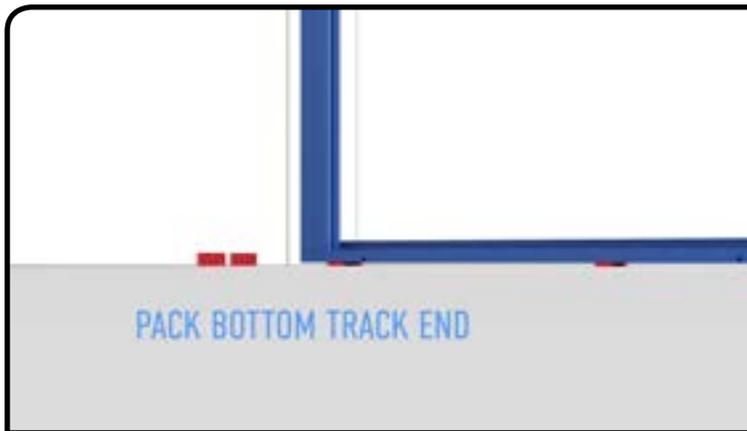
Ensure that the base and sides are sealed to prevent water ingress below the bottom track.

## Step 2 > Frame Assembly & Installation

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The frame should be centered in the opening to allow adjustment in either direction.



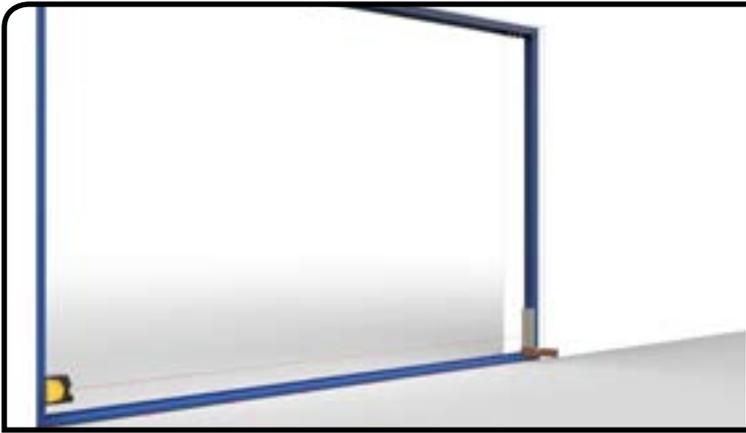
The bottom track should be packed to allow adjustment and packed at either side to prevent movement from side to side in set up. It is important that the packers at the side of the bottom track do not obstruct the movement of the jambs.



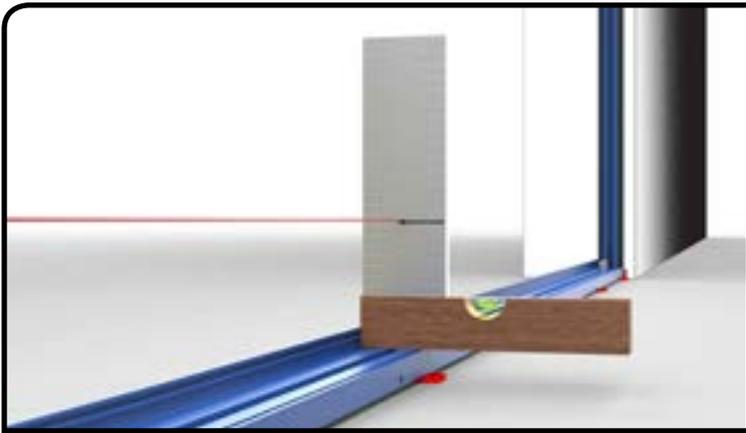
The top track should then be packed to hold in position during set up.

## Step 2 > Frame Assembly & Installation

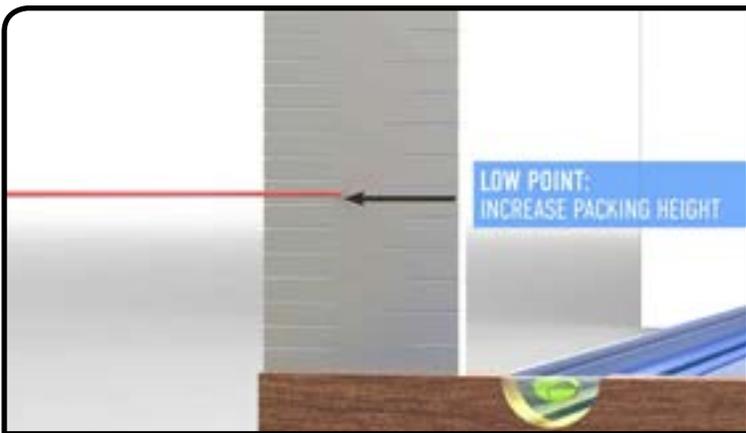
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The next section is the most important part of the entire installation process. Taking your time to ensure the bottom track is completely level and supported along its length will ensure the door system installs and operates beautifully.

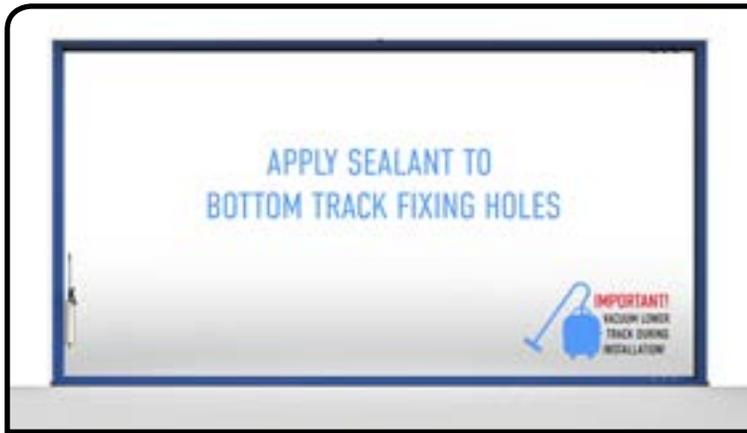


Using the laser level and set square, mark the laser line on the set square. Then, moving along the bottom track, compare the mark against the laser line, adjusting the packers to ensure the track is dead level as shown.

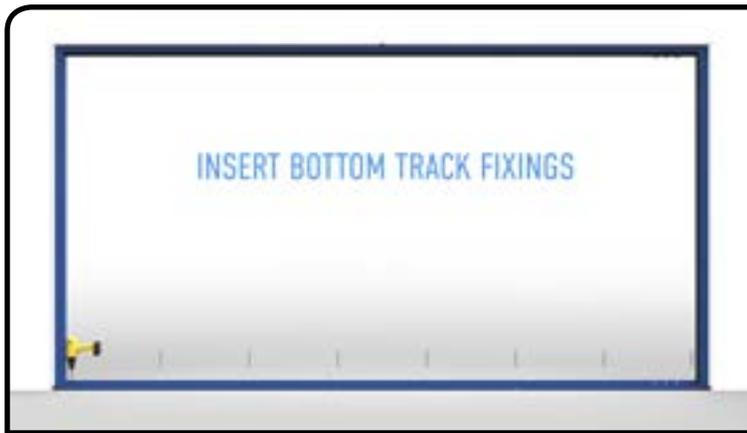


## Step 2 > Frame Assembly & Installation

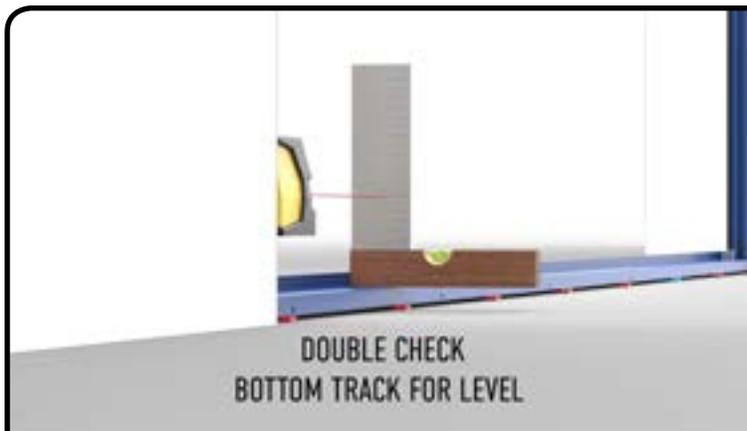
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When you are completely satisfied that the track is level, fix the bottom track adjacent to the packers, ensuring that silicone is applied into the drill holes.



Screw heads to prevent water ingress.



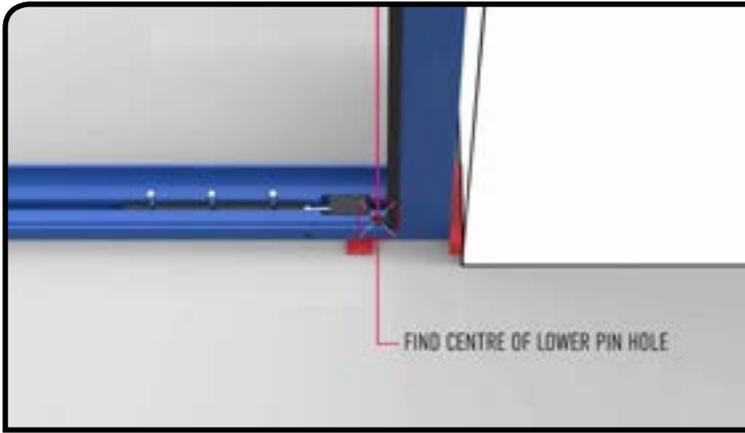
At this stage, double check the bottom track for level. Adjust if necessary, reattach, and reseal as required.

You are now ready to align the top track with the bottom track.

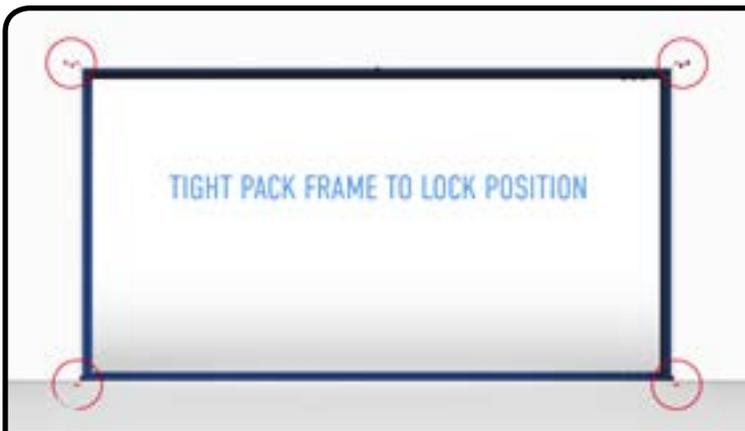
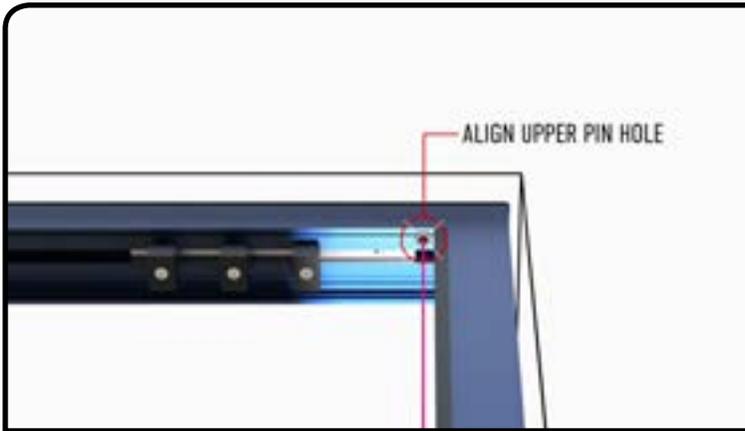
Using the laser level, ensure that the center of the pivot pin hole on the bottom track is **EXACTLY** aligned to the pivot pin hole on the top track adjusting as necessary.

## Step 2 > Frame Assembly & Installation

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It is imperative that the frame is situated plumb in the opening and this can be achieved by aligning the front edge of the bottom track with the front edge of the top track, or by aligning the laser on the jamb to ensure the doors will operate perfectly upright as they slide along the track.



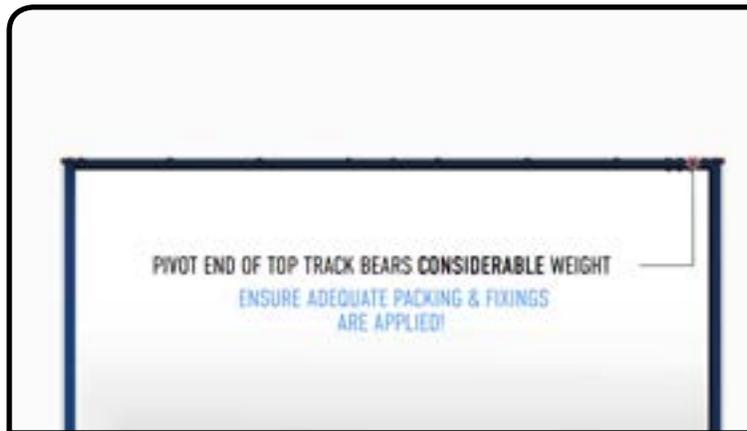
With the pivot pin holes aligned and the top and bottom tracks in line, pack out the ends of the top track to ensure it can't move in either direction. The top track should be packed at the fixing points, paying particular attention to the pivot end of the door where the panels gather in the open position and bear most of the weight. Double check the pivot pin alignment prior to fixing the top track.

## Step 2 > Frame Assembly & Installation

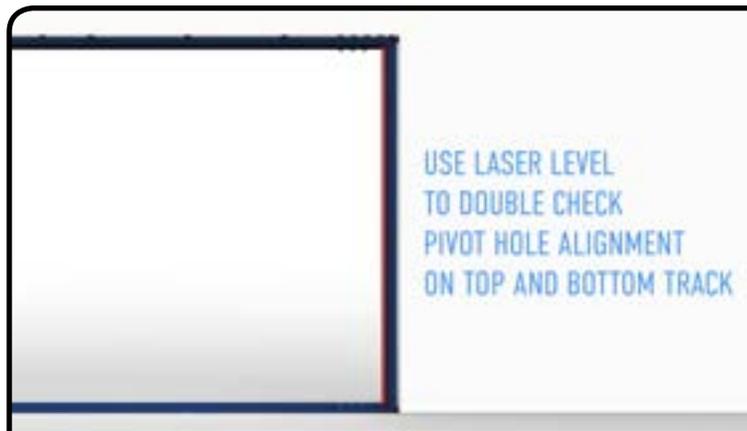
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Ensure packers are firmly located and frame cannot move.



Ensure adequate packing and fixings are applied.



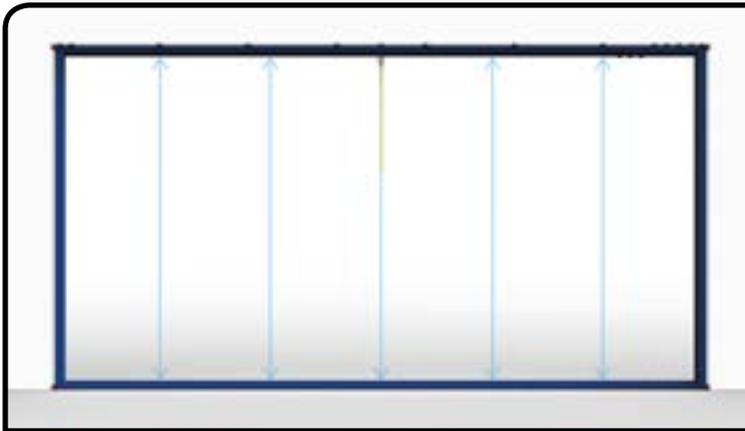
Use laser level to double check pivot hole alignment on top and bottom track.

## Step 2 > Frame Assembly & Installation

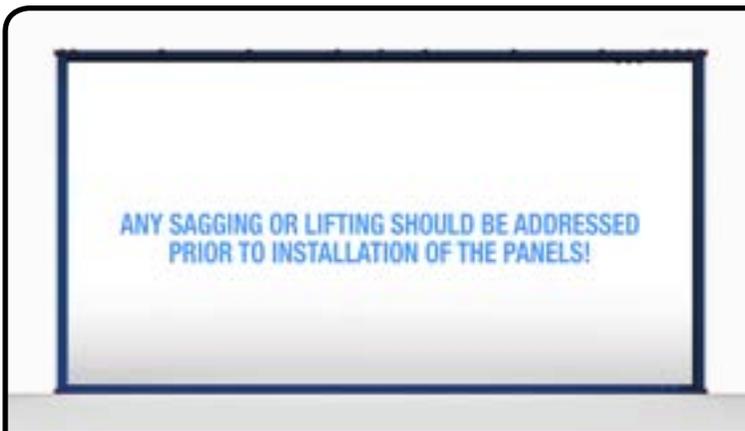
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Fix top track and vacuum lower track.



Check the distance between the top and bottom track, ensuring the tracks are equidistant at every point.

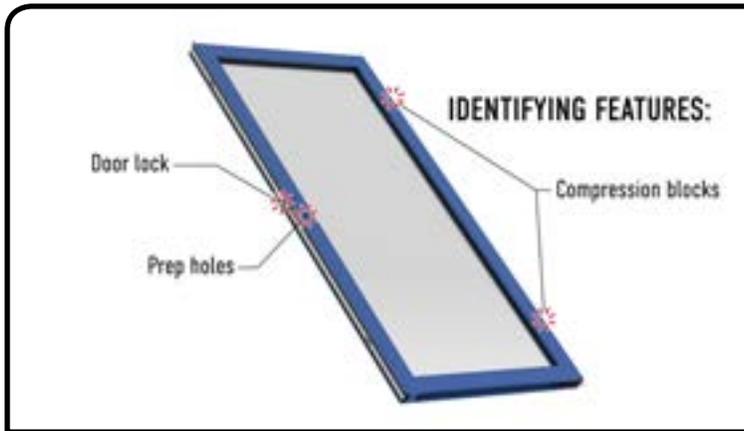


Any sagging or lifting should be addressed prior to installation of the panels.

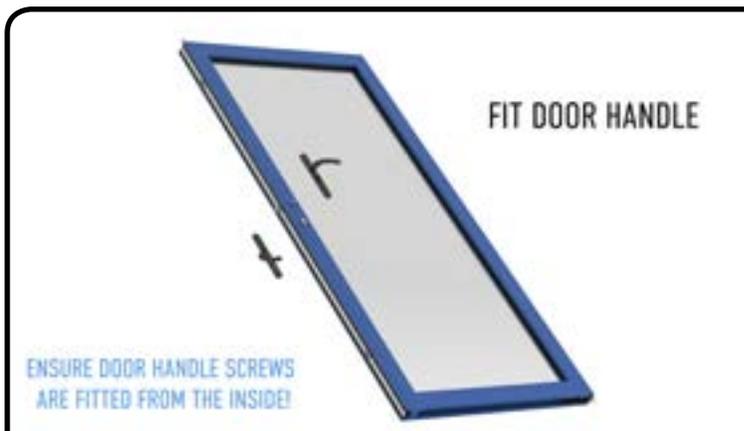
## Step 3 > Installing the Swing Door



Now would be a good time to pre-drill additional installation holes in the jambs!



The Swing Door is identified easily. It has prep holes in the section for door handle assemblies, it has a door lock in the side of the panel and has compression blocks fitted to the pivot side of the panel.



The door handles should be fitted prior to installing the door.

Refer to page 55 for detailed instructions.



On the hinge side of the door, the upper pin assembly should be removed by undoing the two bolts using a ball end 3/16" allen key. Please note, no power tools should be used in either removing or fitting these assemblies at the top of each panel.

## Step 3 > Installing the Swing Door

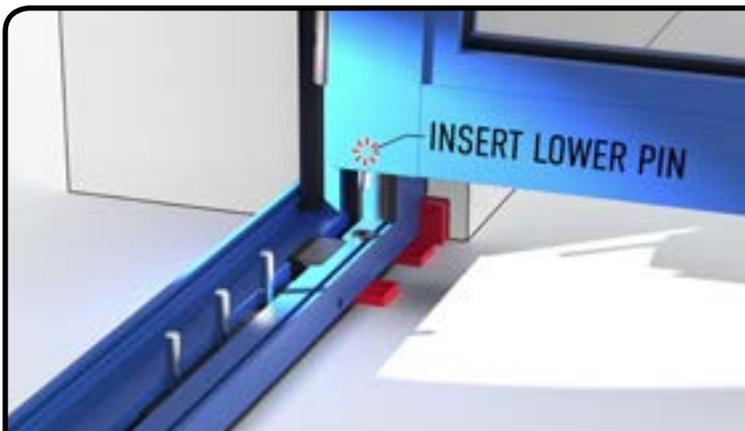
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Utilizing two people, position the swing door at right angles to the frame close to the bottom pivot hole of the track. The door handle side should be farthest from the frame. Tilt the top of the panel away from the frame, then carefully lift the panel to allow location of the bottom pin on the panel into the bottom pivot hole of the track.



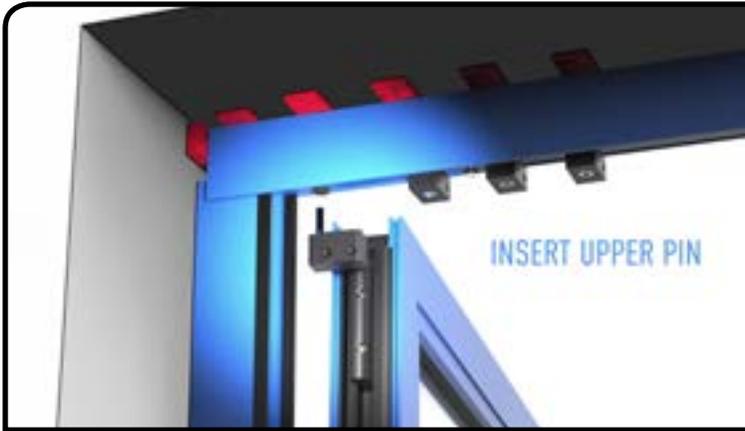
Move jamb to the wall.



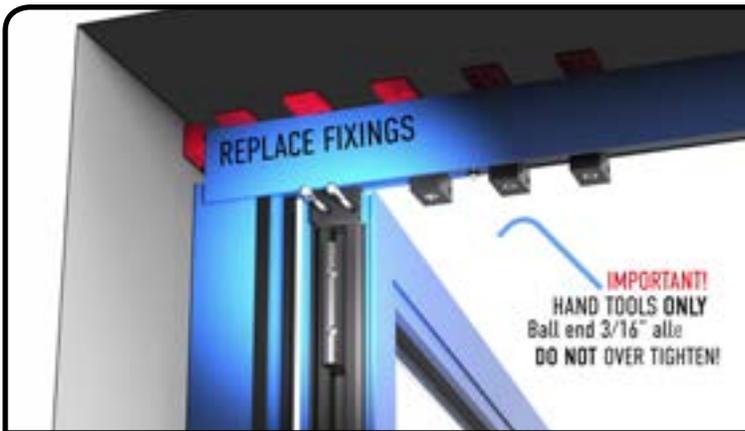
Insert lower pin.

## Step 3 > Installing the Swing Door

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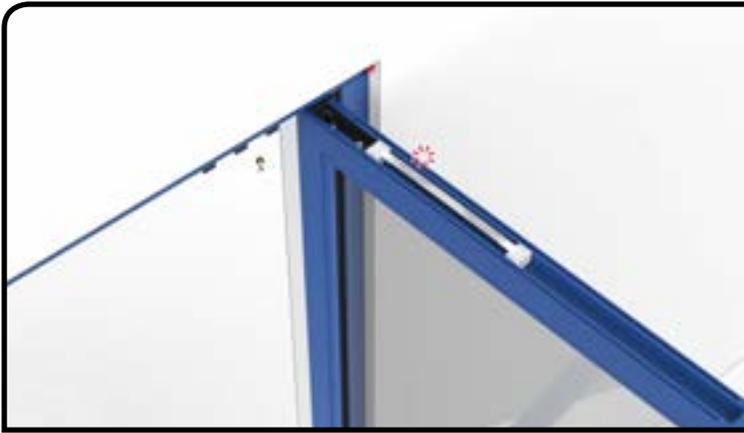
Then insert the previously removed upper pin assembly into the pivot hole on the top track and offer the panel to the pin assembly and reattach the fixings using the 3/16" allen key previously mentioned. Don't use power tools to attach the assembly.



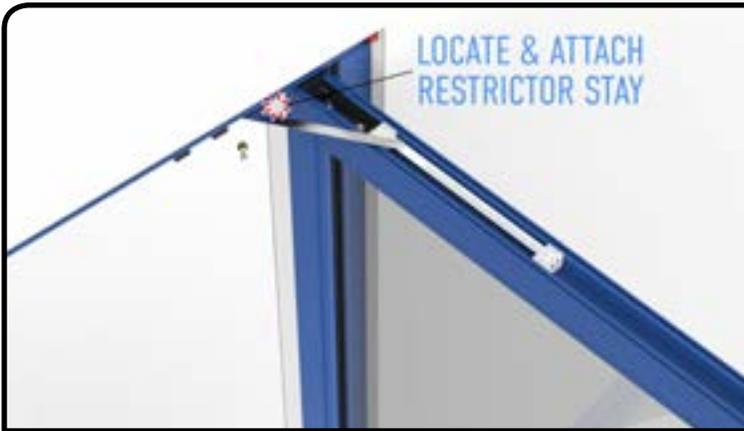
With the swing door still in the open position, remove the restrictor arm, screw and washer from the top track.

## Step 3 > Installing the Swing Door

---



Swing the restrictor arm from the top of the swing door into position over the hole and reattach the screw and washer.



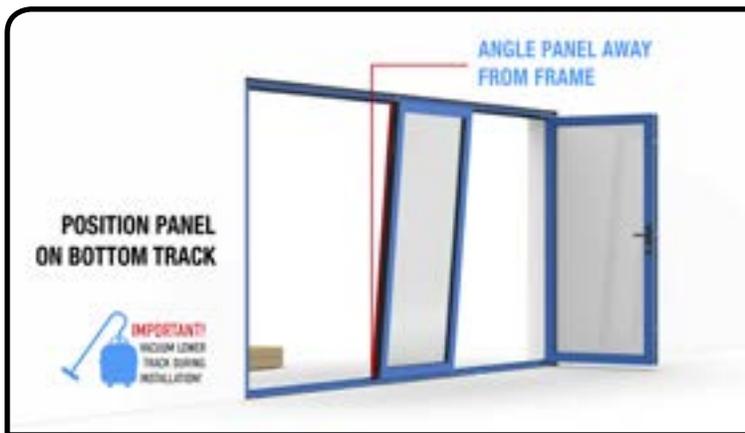
Again it is important to only use hand tools to remove and reattach the restrictor arm assembly.

## Step 4 > Installing the Sliding Panels

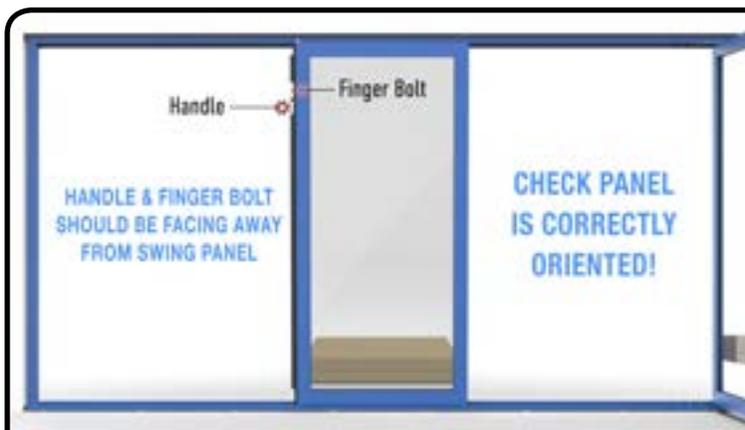


When identifying the sliding panels, they are labeled as swing door, keep door, panel or panel number 3, panel number 4 and so on.

Firstly, identify the door panel furthest away from the swing door.



Unpack and position the door in the bottom track with top of the door leaning slightly away from the top track as shown.



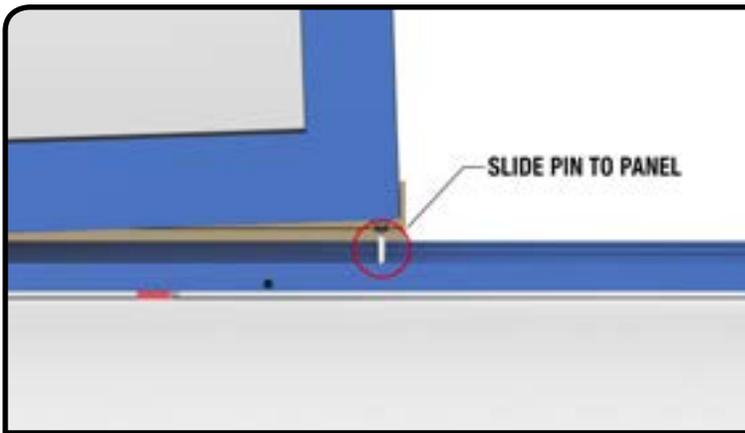
Ensure that the finger bolt and handle are facing away from the swing door.

## Step 4 > Installing the Sliding Panels

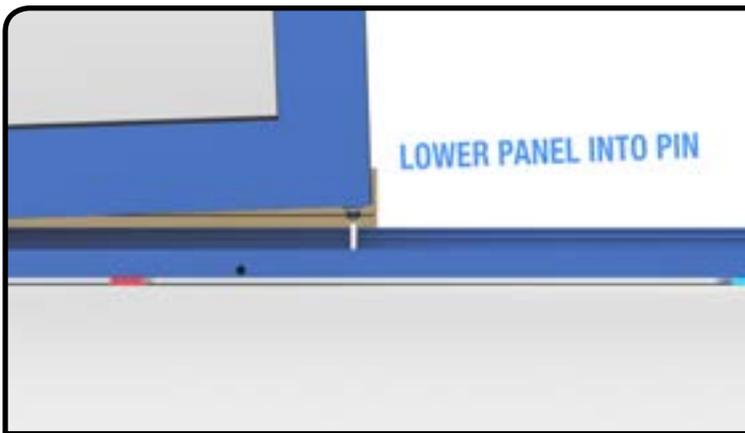
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With the panel still not engaged in the top track, tilt the door away from the swing door



Slide the guide pin in the bottom track into position beneath the wheel assembly on the pivot side of the door.

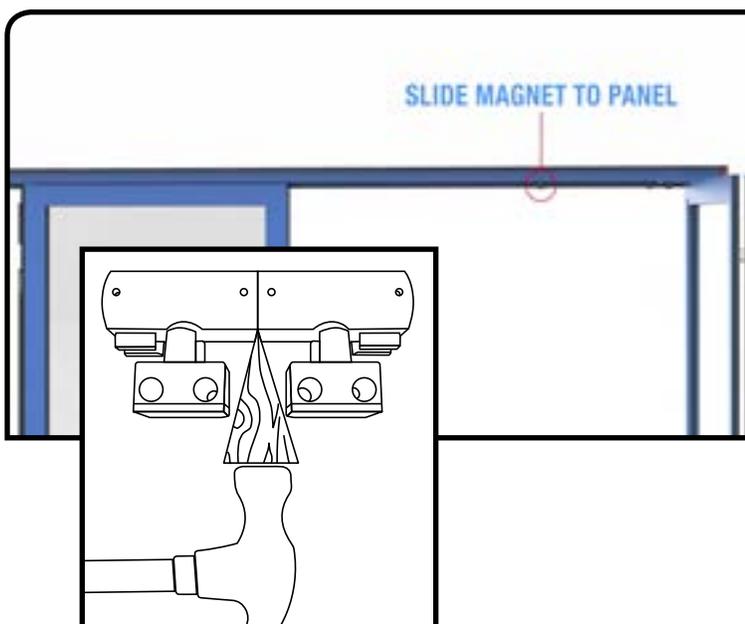


Lower the panel carefully down over the pin.

## Step 4 > Installing the Sliding Panels



To position the panel into the top track, pull down the finger bolt and push the panel into the top track and release the finger bolt. Ensure that the latch is located in the top track before releasing.



Next, carefully separate the magnet from the gathered section.

**IMPORTANT NOTE:** To separate the magnets, place a wooden or plastic (not metal) wedge in between the magnets and tap lightly with a hammer to separate. Do not use a screwdriver, as it can damage the magnets.

## Step 4 > Installing the Sliding Panels

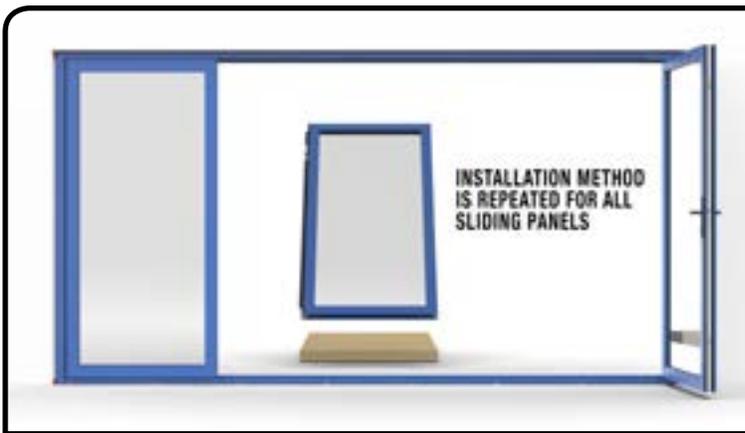
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Slide the magnet with assembly and offer into the side of the panel

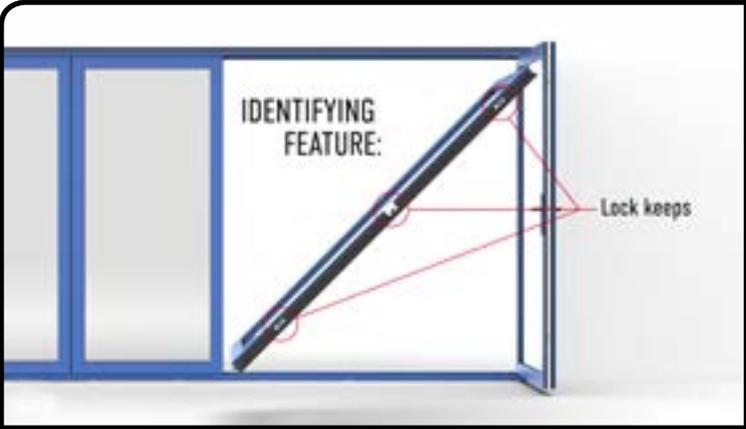


Fix using two 3/16" allen bolts. Hand tighten only. You may need to carefully lever the section attached to the magnet down using a non metallic lever like a glazing paddle to align with the panel block.

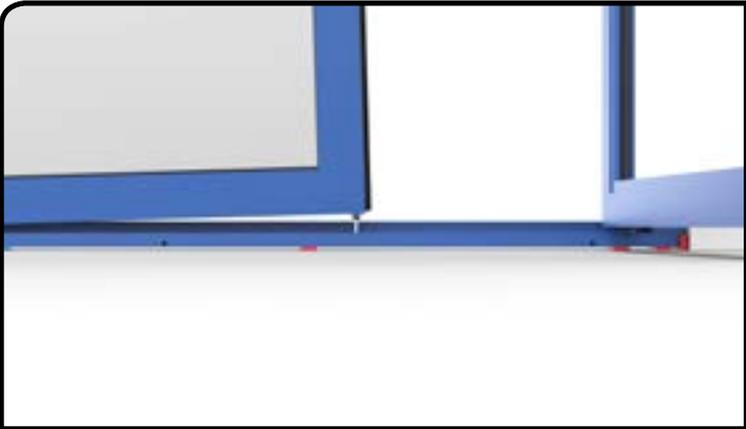


This process is repeated for all sliding panels up to and including the keep panel which should be the last panel installed.

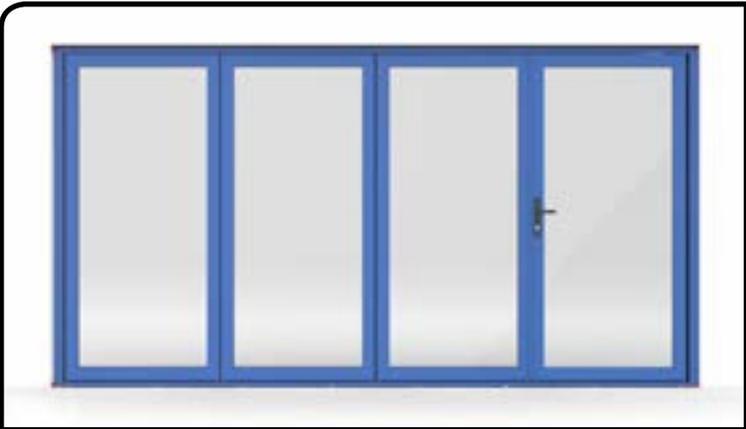
# Step 4 > Installing the Sliding Panels



This is identified easily as it has three door keeps fixed to the side of the panel opposite the finger bolt and handle.

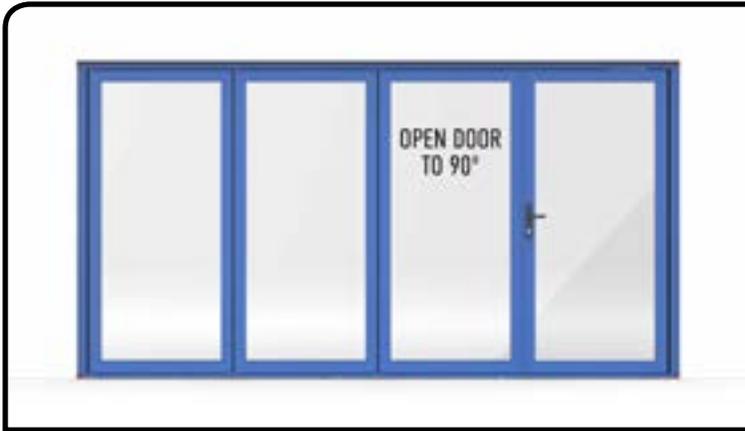


The swing door locks against this panel in the closed position. It is installed exactly the same way as the other sliding panels.

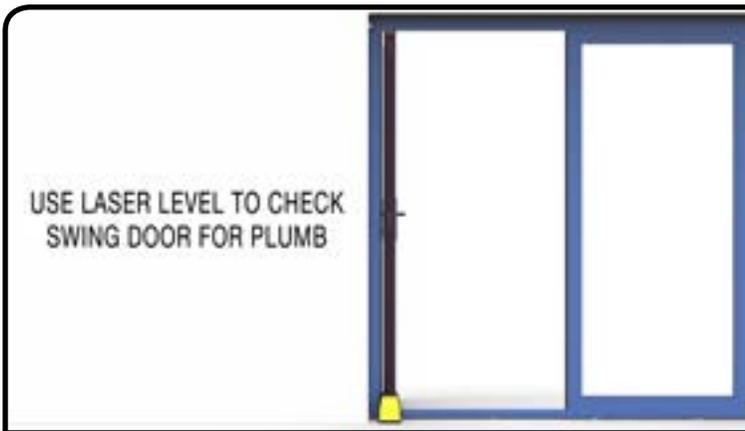


## Step 5 > Completing Installation

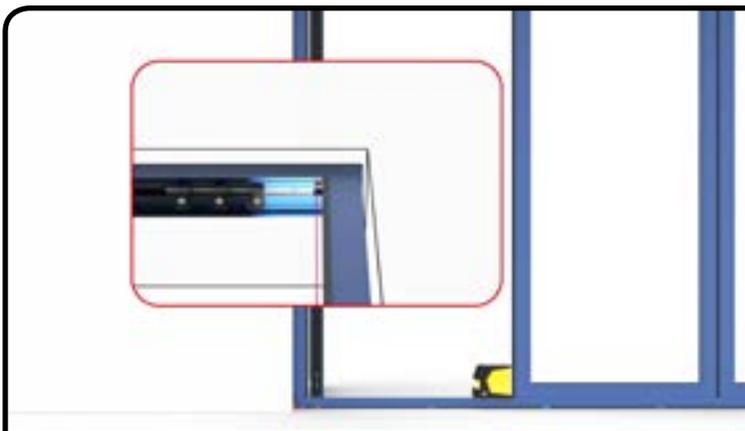
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With all the panels installed, open the swing door fully.



Run a laser across the edge of the swing door to ensure it is plumb and square in the opening.

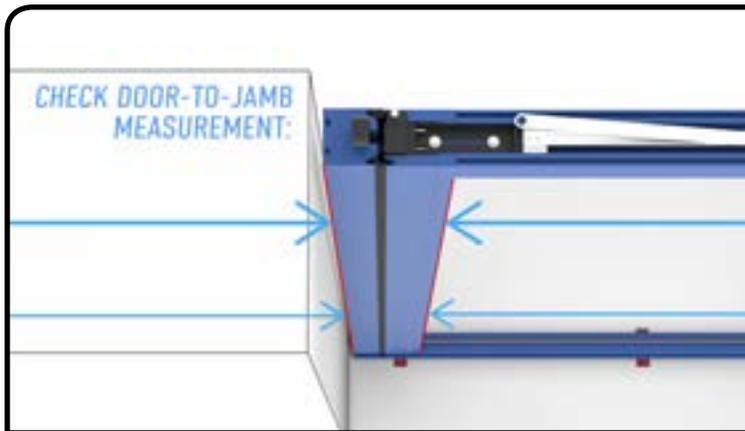


If the door is not plumb, then double check that the pivot holes are aligned as previously demonstrated.

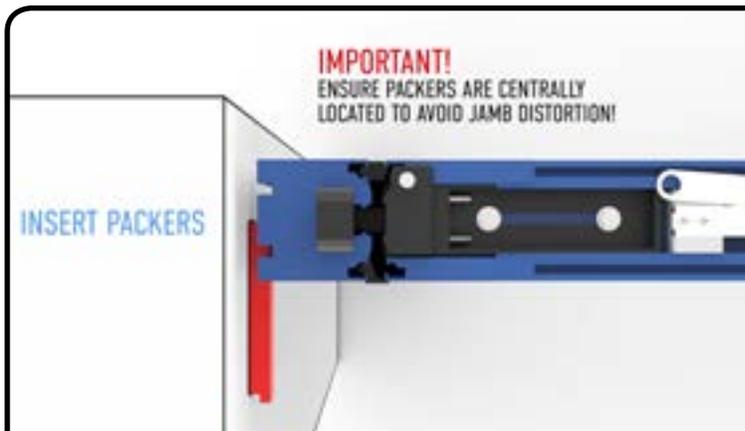
## Step 5 > Completing Installation



When the swing door is plumb, then the jamb next to the swing door can be set in position and fixed.

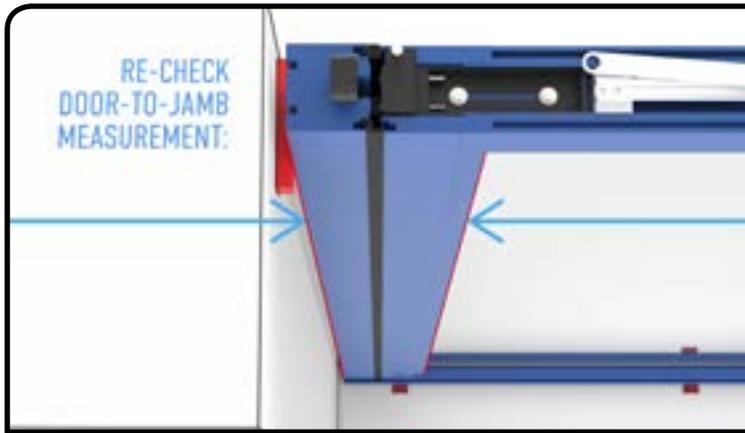


To ensure the jamb is square, measure the jamb to swing door glazing line on the inside and outside of the door. It should be the same on both sides of the door. This measurement should be 5-29/32" on the aluminum door and 5-1/2" on the PVC door.



The jamb must be packed square against the swing door to ensure the door seals properly.

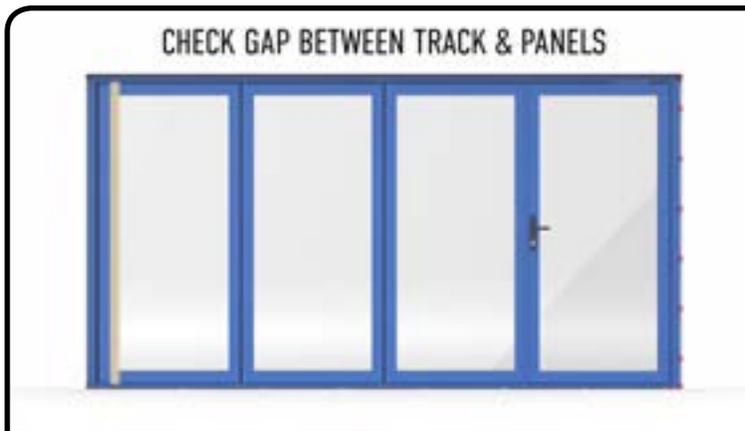
## Step 5 > Completing Installation



Recheck the measurements.



Ensure packers are positioned next to the fixing points and that they are not causing a twist in the jamb position. Take care when fixing the jamb not to damage the side of the swing door. We recommend an extension bar to keep the drill chuck clear of the swing door panel.



Next check to ensure that the top and bottom track are equidistant from each other at all points. This can be achieved by using a staff which is cut to the exact height of the jamb, or using a 15/64" (6mm) packer to measure the gap between the top of the sliding panels and the top track.

## Step 5 > Completing Installation

---



This should be 15/64" along the length of the door.



At this point check that all panels are square in the track. Check along the bottom of each panel and up one side using a laser level.



If any panel is not level, check that the width of the panels are consistent.

## Step 5 > Completing Installation



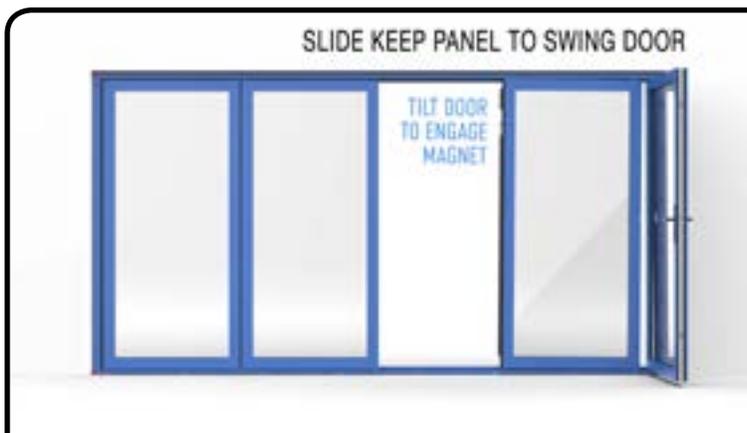
Check the height of the panel.



Check that the panel is square by measuring corner to corner on each side.



**If the panel widths or heights are inconsistent, then contact the factory.**



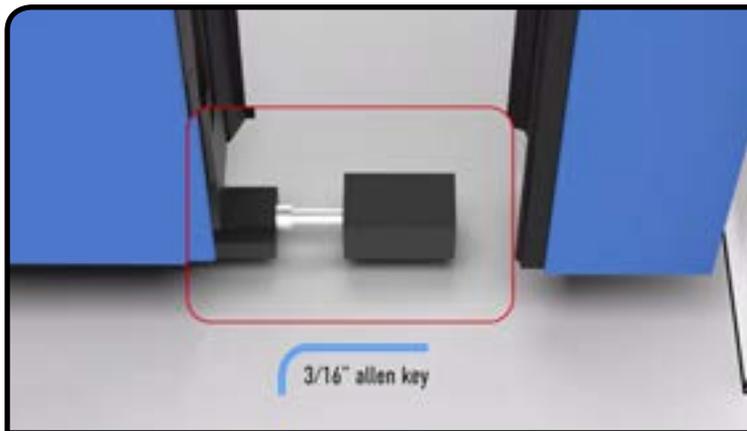
Slide the first panel to the kick or lifted position (just prior to opening the panel).

## Step 5 > Completing Installation

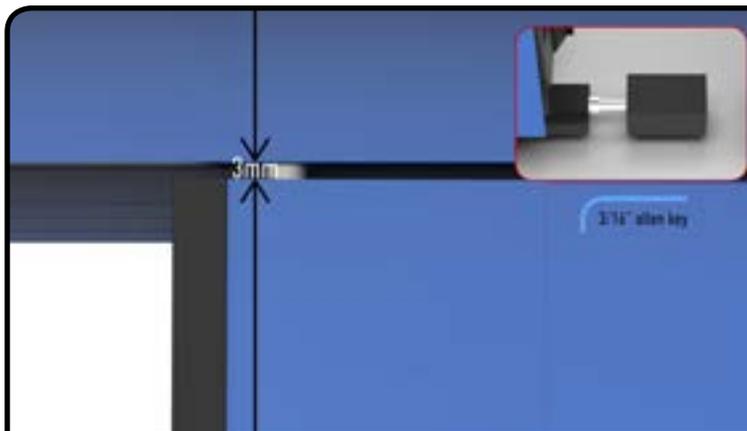
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At this point there should be a 1/8" gap between the top of the door and the top track. By depressing the finger bolt you should feel the door open without resistance.

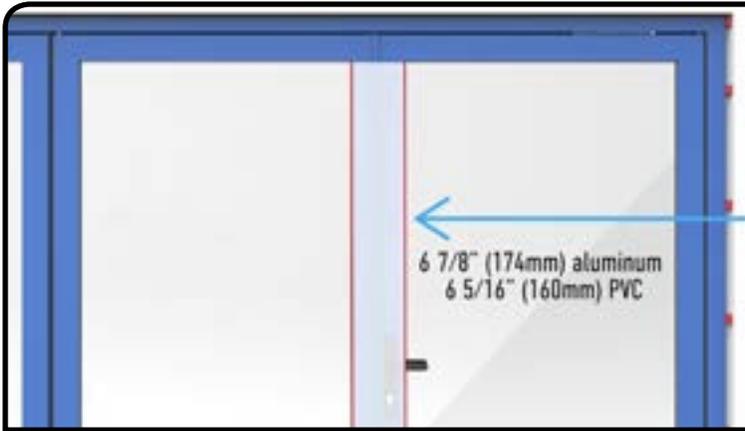


If the door is clashing with the head or snagging on the bottom track, adjust the lifting block on the bottom track using a 3/16" allen key and a wrench to increase or decrease the lift as required.

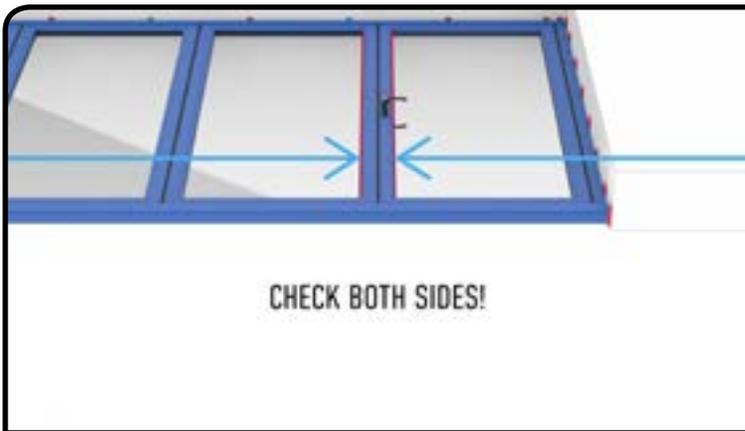


When the correct lift is achieved, lock off the nut in position.

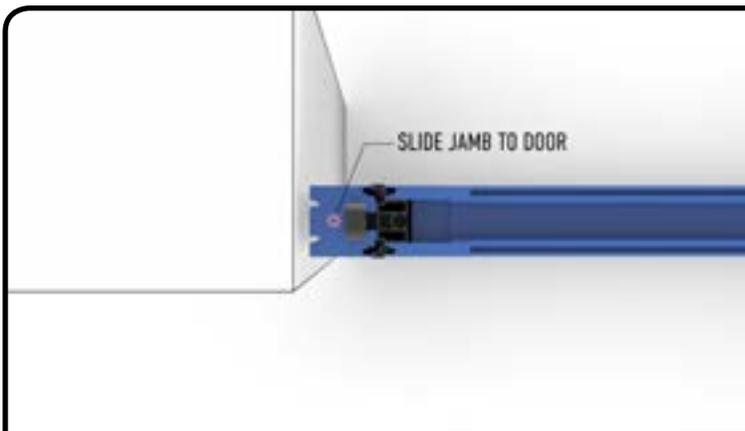
## Step 5 > Completing Installation



When all panels are square, close the doors and set the slide jamb, ensuring that the swing door to keep door glazing line separation is  $6\ 7/8"$  on the aluminum door and  $6\ 5/16"$  on the PVC door.



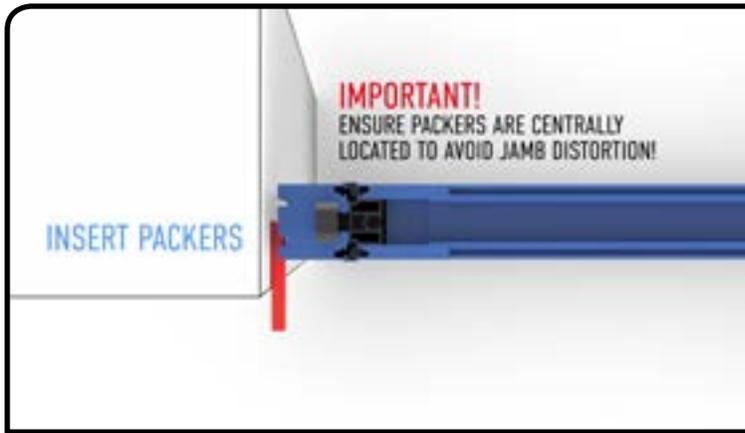
Check both sides!



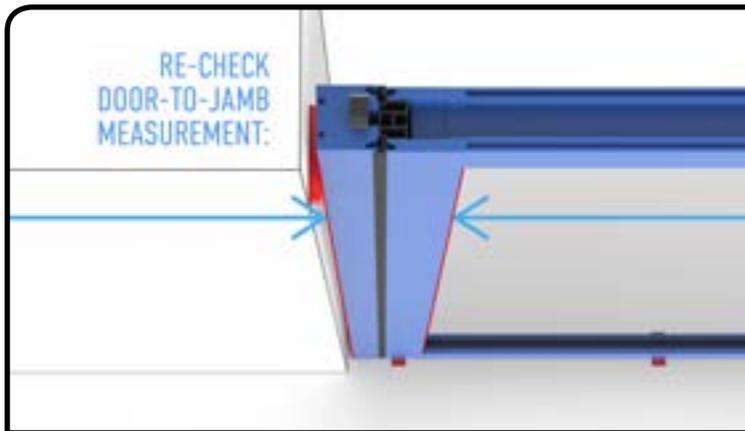
With these measurements confirmed, set the sliding door jamb exactly the same way the swing door jamb was set. The measurement from the edge of the jamb to the glazing line on the last sliding panel should be  $5\ 7/8"$  on the aluminum door and  $6\ 1/2"$  on the PVC door.

## Step 5 > Completing Installation

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Insert packers and ensure they are centrally located to avoid jamb distortion.



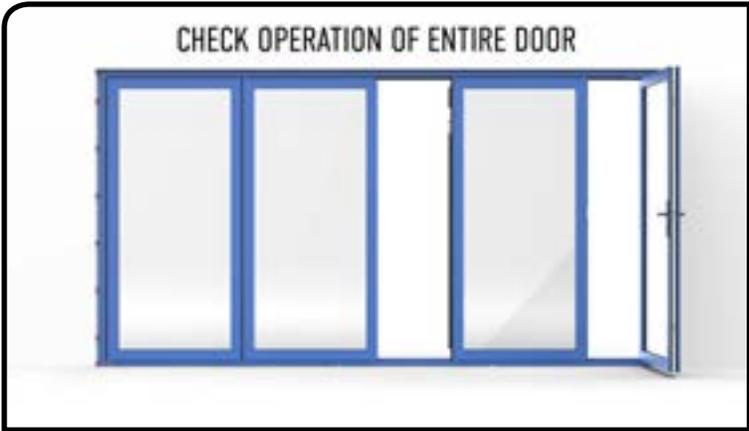
Re-check door-to-jamb measurement.



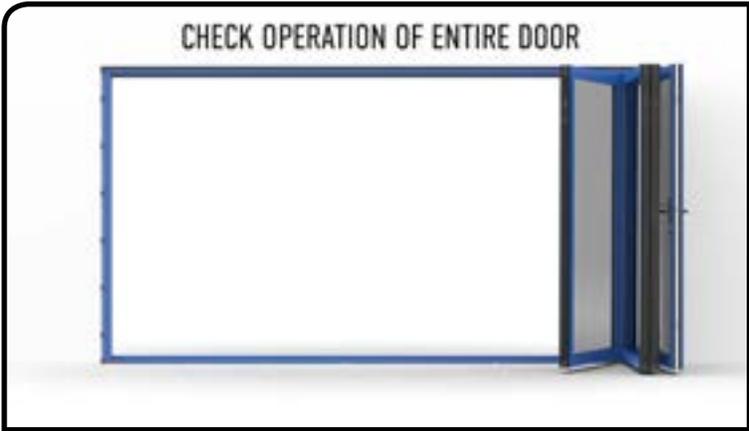
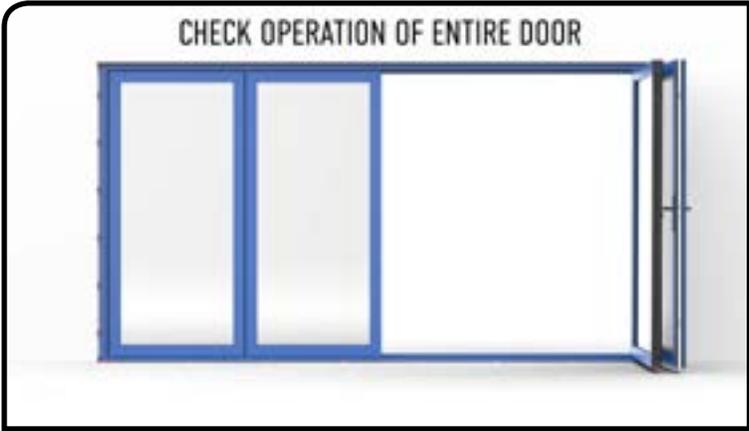
Insert packers and fixings

# Step 5 > Completing Installation

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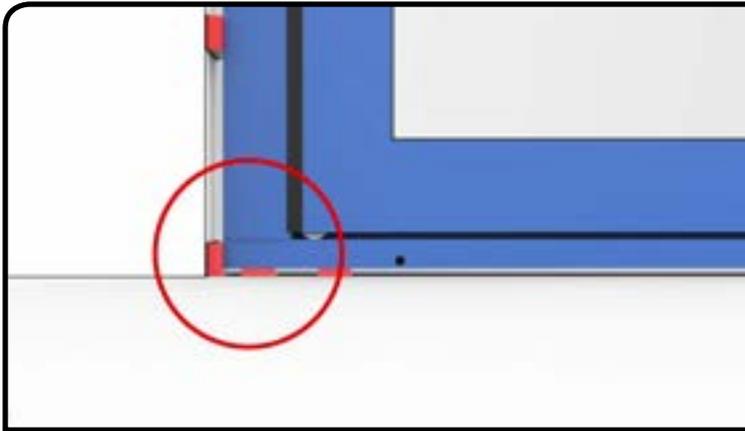


Finally check the operation of the entire door.

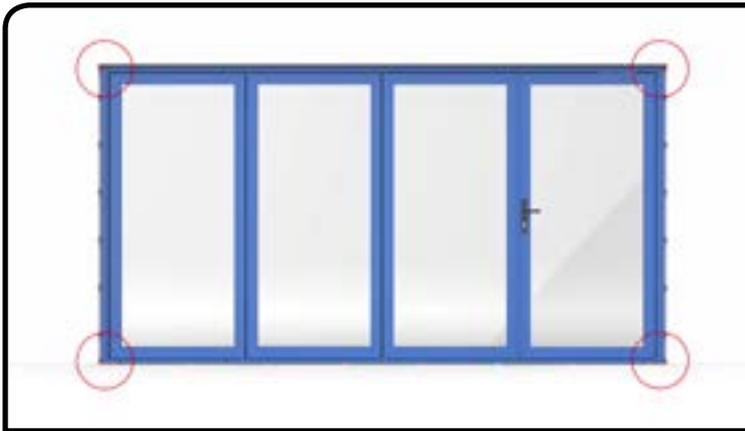


## Step 5 > Completing Installation

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Double check that the top track and bottom track are tightly packed in position at each end of the tracks to prevent any movement in operation.



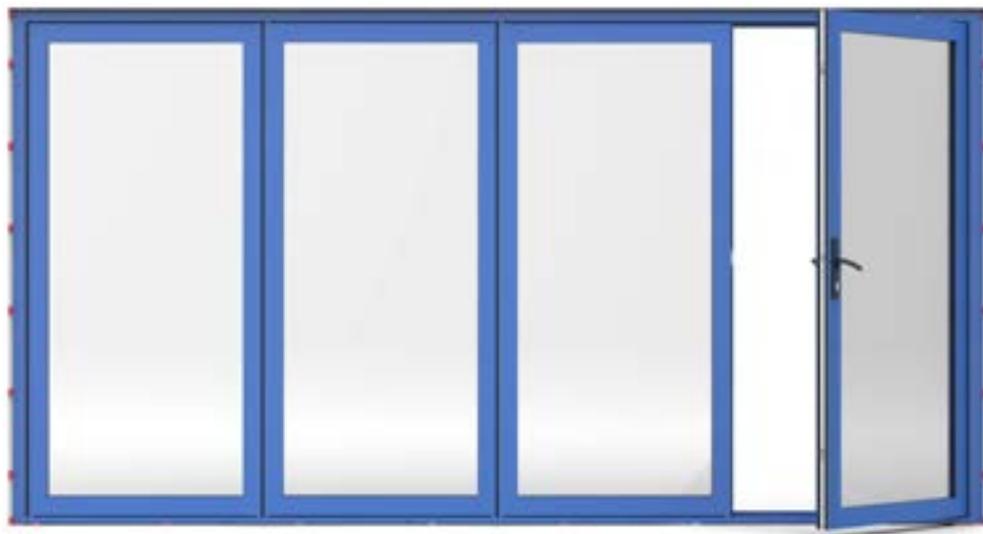
And finally, silicone seal beneath both door jams.



**PLEASE REMOVE THE PROTECTIVE TAPE IMMEDIATELY AFTER THE DOOR HAS BEEN INSTALLED TO ENSURE NO DAMAGE IS DONE TO THE FINISH OF THE FRAME**

# Congratulations!

Your installation is complete.





# Maintenance

# Recommended Maintenance Procedures

## WOOD COMPONENTS

All wood component parts and finishes must be inspected quarterly for damage resulting from exposure to the elements and repaired immediately.

## ALUMINUM COATINGS

Exposed surfaces should be cleaned with mild detergent soap and water. Any chips and scratches must be repaired immediately and not left exposed to the elements.

## TRACKS AND BEARINGS

Remove surface contaminants by wiping visible track surfaces with a damp soft cloth and a mild detergent, and then wipe dry with a clean cloth. Silicone spray should be used to lubricate all moving parts on a monthly basis. Always keep the bottom track free from debris.

## FREQUENCY

The procedures above need to be carried out as often as necessary to prevent deterioration in the installed environment. However, we recommend the following maintenance frequency:

General environments — every 6 months

Marine, industrial, or corrosive environments — every 2 months

## LOCKS AND HANDLES

Wipe handles with a damp cloth (not detergent), and lubricate the door lock every six months. Do NOT lubricate the cylinder with oil, only use the graphite dust in the keyway itself.



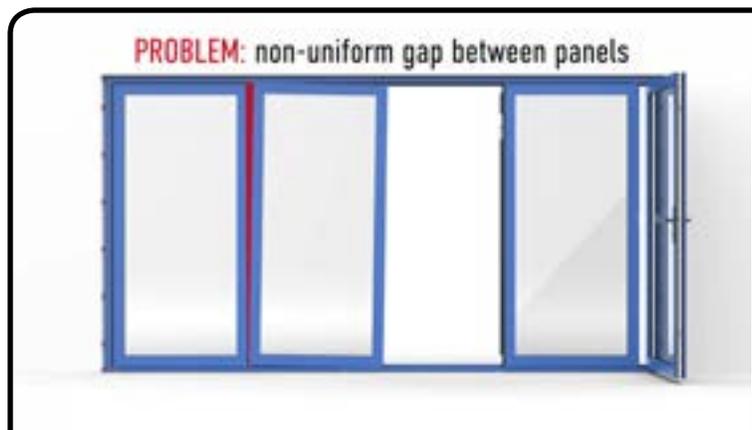
Normal and regular maintenance is required to maintain the appearance and extend the finish life and maintain proper operation.



# Troubleshooting

## Troubleshooting > Non-uniform gap between panels

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If the gap between two panels is not uniform top to bottom, check the track is level and check that the gap between the bottom of the panel and the bottom track is the same on both sides of both panels.



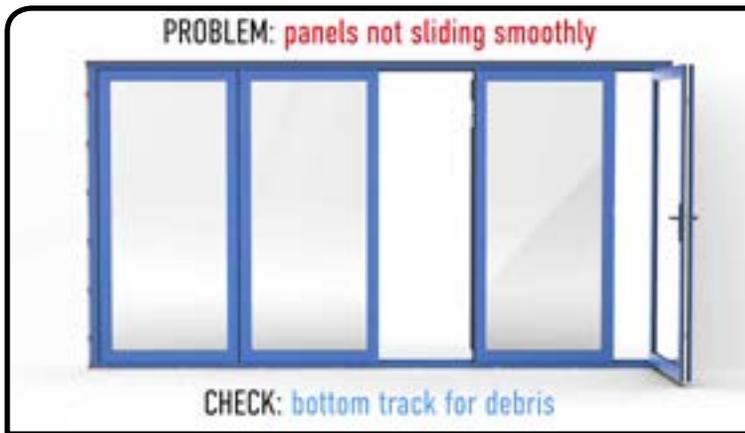
If that gap is inconsistent, check that all four reveal adjusters are fully retracted.



If required, then adjust to ensure the gap is consistent.

## Troubleshooting > Panels not sliding smoothly

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If the movement of the door is stiff, check the top track is level.

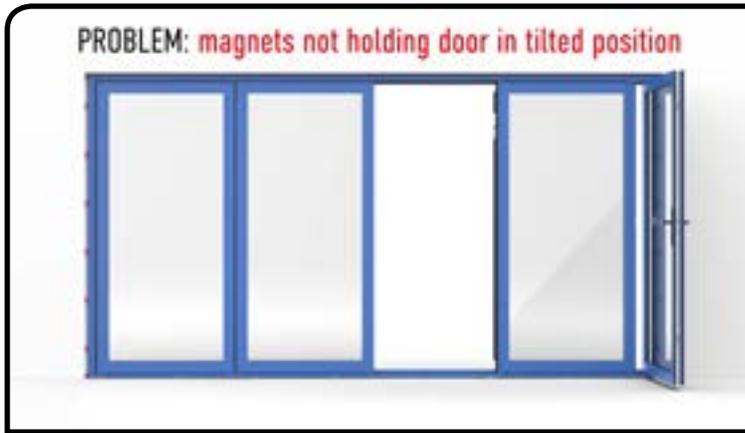


Check if any fixings are inhibiting the movement of the door.

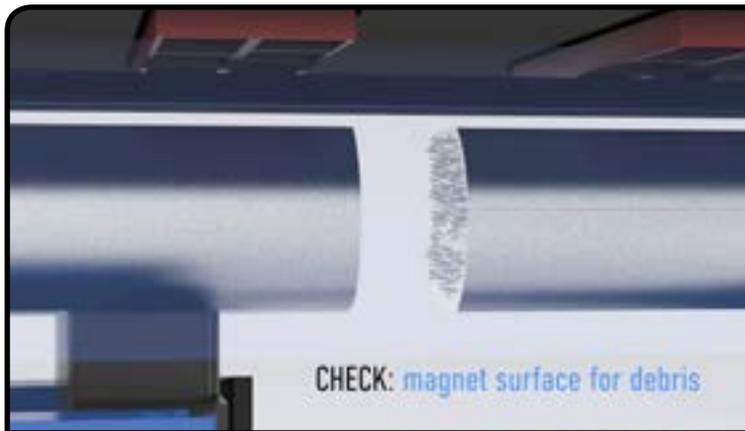
Check there are no obstructions to the movement of the door.

## Troubleshooting > Magnets not holding door in tilted position

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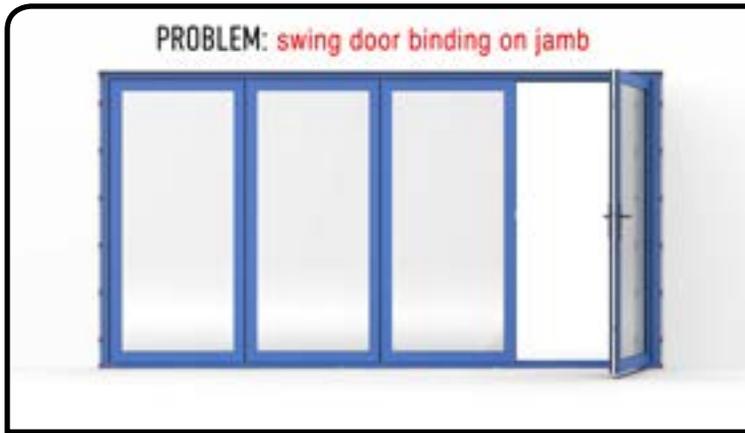
If magnets are not holding the doors in the tilt position adequately...



Check the surface is clear of debris on each of the magnets on both sides.

## Troubleshooting > Swing door binding on jamb

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If the swing door is binding on the jamb, check the setting of the jamb is correct.



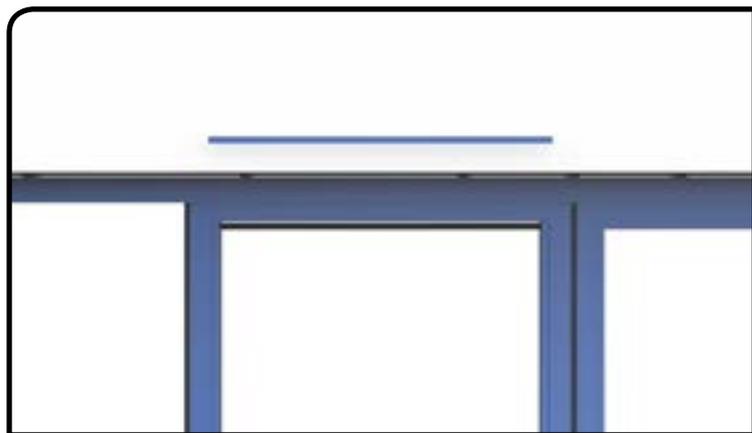
Also check that the orientation of the jamb alignment block is correct.



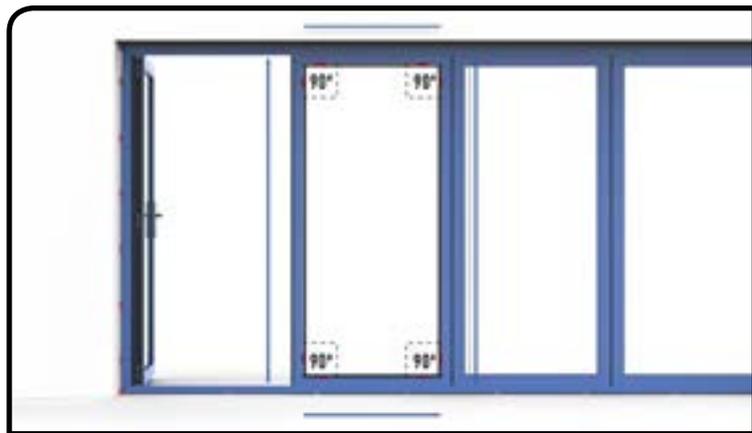
## Troubleshooting > Swing door clashing with keep door



If the Swing Door is clashing with the keep door, check that the swing door is parallel to the keep door, if not check the level of both doors both vertically and horizontally.



If the door panel is not square, then remove the beads carefully in position and pack the glazed unit evenly to square up the panel.



Check the sliding jamb is in a position to allow the keep door to meet the swing door as shown earlier.

## Troubleshooting > Door lock not engaging

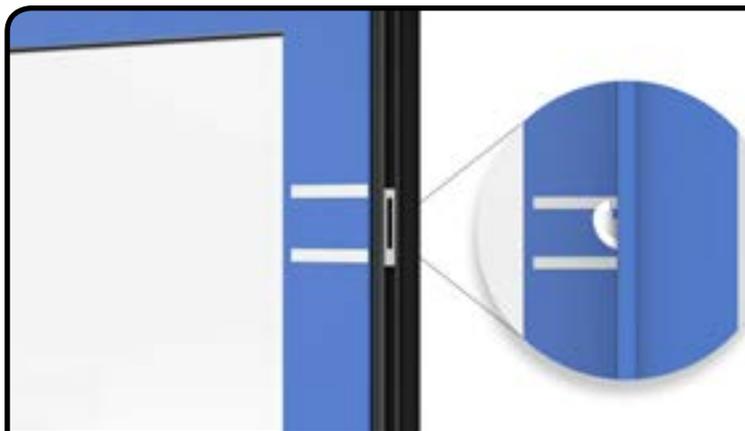
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If the door lock is not engaging or deadlocking, or the handle can't be raised adequately...



Check the operation of the lock in the open position.



Check that the keeps are in the correct position.



# Appendix

## Appendix > Handle Set Installation



A Phillips screwdriver is required.

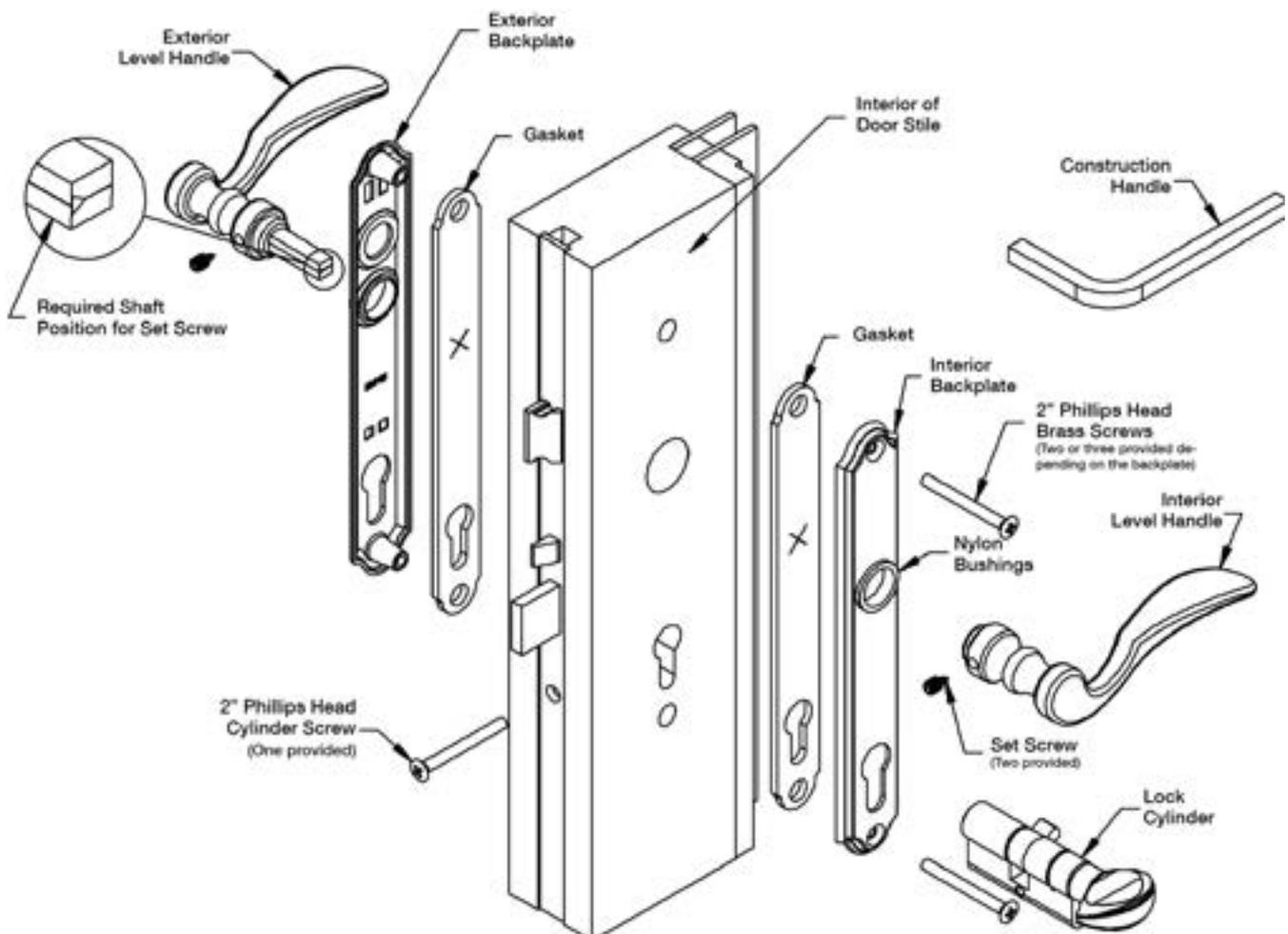
A hex wrench for set screw is provided in the hardware package.

To prevent damage to the handle set during the construction phase, use the enclosed construction handle to operate the door. Lift the handle to engage the multipoints. Push down to disengage.

Use water and a soft cloth to clean. Do not use brass cleaner or solvent based cleaning agents as they will remove the protective coating on the hardware.

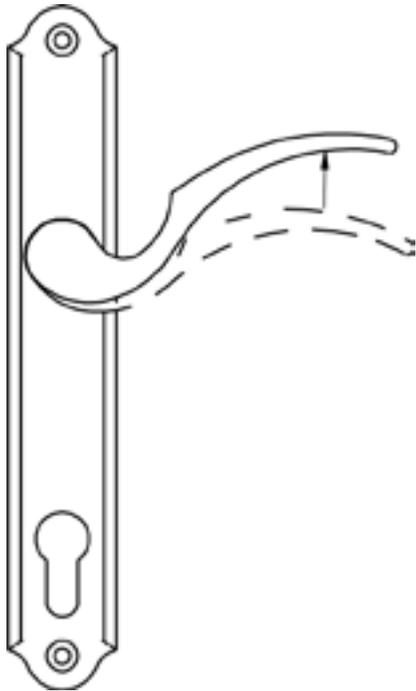
**NOTE:** Handles and backplates vary by style but application is the same.

1. Apply the backplate gasket to the inside of the exterior and interior backplates. Push gaskets firmly into place and ensure a tight seal. Attach interior and exterior backplates to the door and fasten loosely with the screws provided. Note: The screw heads must be on the interior side of the door.
2. Insert the two-piece handle shaft into one handle. Be sure to orient the shaft as shown below. Screw the set screw until flush with handle using the hex wrench provided. Insert the handle with shaft attached through the escutcheon plate and door gear handle hole until extending out opposite side of door.
3. Install remaining handle onto shaft, pressing tightly to the backplates. Tighten the handle set screw with hex wrench. Screw until flush with handle.
4. Insert the keyed cylinder from the interior side of the door until it is flush with the exterior backplate. Install the cylinder screw in the screw hole below the deadbolt in the edge of the door to secure in place.
5. Hand tighten the backplate screws to complete assembly.



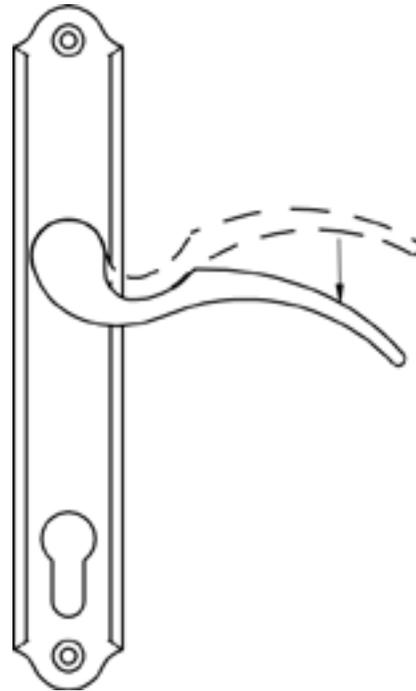
## Appendix > Handle Set Installation

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To lock, lift the handle to engage the multi-points before engaging the deadbolt.

Use the key or the thumbturn to engage the deadbolt after the multi-points are engaged.



To open, disengage the deadbolt with a key or the thumbturn, push the handle down until multi-points are retracted and then open door.



**NOTE:** Activation of the multi-point hardware will remain the same regardless of handle style.



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