

# Coupled 303 OXXO Door Installation Instructions

## Tools & Materials

When Cascadia ships the doors to site all of the frame components, hardware, tracks, covers, and track screws will be labelled and packaged together. Strap anchors will be the only components shipped loose from the door. To install these doors you will need the following tools:

- Drill
- #2 Robertson
- Allen Key
- Screw Driver
- T40 Torque Set
- Level
- Suction Cups

## Procedure

1. Ensure that the sill framing is plumb and level.
2. Measure out the location for the PVC shims (typically at 8" O.C) plus 1 shim under the center of every vertical frame piece and then install the shims. **There MUST be a shim under the center of every vertical member (mullion or coupler).**
3. Install the door frames into the RO, sitting on the shims and fastened at the head and jambs with strap anchors. When fastening the strap anchors to the RO ensure the strap anchor is sitting in the center of the sub-clip (this allows for vertical movement of the windows) [Figure 1].
4. Before coupling the frames together, measure and mark 1 1/4" up from the bottom edge of the frame on the exterior side only. This marks where the bottom edge of the H-bar will be [Figure 2]. If the H-bar sits any lower on the coupler it will interfere with the sill track and the door will not open properly. The H-bar is full length on the interior side of the coupler.
5. Couple the two side-lites and frame together ensuring the H-bars are installed in the correct location with silicone securing the H-Bar to the frame on each side.
6. Screw the sill track onto the bottom of the frames by utilizing the pre-drilled holes [Figure 3]. The track should sit level with the bottom of the frame.

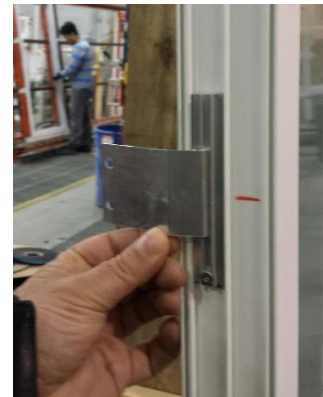


Figure 1: Strap Anchor Installation



Figure 2: H-Bar Installation

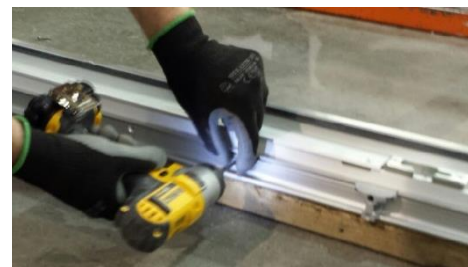


Figure 3: Sill Track Installation

7. The sill track glider is typically secured onto the track in the factory and DOES NOT need to be attached or adjusted.
  - a. If the track glider is not attached to the sill track when it arrives on site that is because it will be secured in front of a screw in the track which is typically under the outer edge of the sill keeper. Use an Allen key to secure the track glider onto the sill [Figure 4]. The track glider must be secured in the correct location or else the doors will not close properly.
8. Slide the scissor gears into the head track before the track is installed onto the frame [Figure 5].
9. Screw the head track onto the top of the frames by utilizing the pre-drilled holes. The top of the track should sit level with the top of the frame [Figure 6].
10. The head track glider is typically secured onto the track in the factory and DOES NOT need to be attached or adjusted.
  - a. If the track glider is not attached to the head track when it arrives on site that is because it will be secured in front of a screw in the track which is typically above the outer edge of the head keeper. Use an Allen key to secure the track glider onto the head [Figure 7]. The track glider must be secured in the correct location or else the doors will not close properly.



Figure 4: Sill Track Glider Location



Figure 5: Scissor Gear Installation

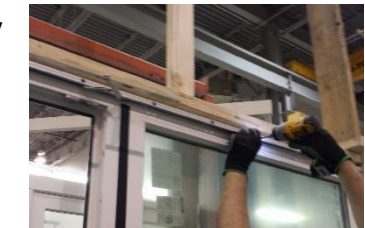


Figure 6: Head Track Installation



Figure 7: Head Track Glider Location

11. Now that the sill and head tracks are on, install sealant on the exterior joints of the coupled frames, between the end of the H-bars and the tracks.
12. The sashes will arrive on site with the bogies factory installed onto the bottom.
  - a. To ensure that the sashes are installed the correct way make sure the bogie is pointing towards the door frame [Figure 8]. The door on the left will have the bogie on the right side of the sash, and the door on the right will have the bogie on the left side of the sash. (The bogies will be near the center of the door when properly installed).



Figure 8: Bogie Installation Position

Figure 9: Sash Leaning 20° for Installation



Figure 10: Securing Scissor Gear in Sash Track

13. Lean the sash outwards at a 20° angle and insert the bogie into the sill track [Figure 9].
14. Straighten the sash so that it is vertical and slide the scissor gear into the sash track. Secure the scissor gear into the sash track with a screw and lug nut [Figure 10].

15. Once the sashes are fastened at the top, press in the red button on the bogies. This will lock the bogies in the sill track [Figure 8].



Figure 11: Sash Track Cover Strip Installation



Figure 12: Sash Track Caps Installation

16. Clip the cover strip onto the face of the head track and secure by clipping the caps on the ends of the head track [Figure 11]. Attach the clips onto the ends of the sash track as well [Figure 12].
17. Test the operation of the door. You may be required to do minor adjustments to the door to ensure it operates and seals correctly. If adjustments are required the following are possible solutions that can be made on site:

- Use a T40 torque set to adjust the vertical screw in the bogie. This will adjust the sash vertically. Ensure that the sash is level after adjusting as adjusting the height at only one bogie may cause the sash to slant [Figure 13].
- Use an Allen key to adjust the screw in the middle of the sash. It has a notch in it that specifies the tightness of the sash gasket [Figure 14]. When the notch points toward the gasket, the gasket is tight. When it points 180° away from the gasket it is loose.
- Use an Allen key to adjust the position of the track glider ONLY if the track glider was manually installed and the doors aren't closing properly [Figure 15]. Loosen the track gliders and move them slightly towards each other or away from each other, depending if the doors need to be closer or farther apart. (Move track gliders together for doors to be closer and move away for doors to be farther apart). Works for head and sill track gliders.



Figure 13: Vertical Sash Adjustment



Figure 14: Gasket Tightness Adjustment



Figure 15: Sill Track Glider Adjustment

18. Clip bogie cover pieces onto the exterior of the sash to cover the bogie. There are 3 bogie cover pieces per sash– 1 long horizontal piece [Figure 16] and 2 short vertical pieces [Figure 17]. Ensure all 3 are installed on each sash to completely cover the bogies.



Figure 16: Horizontal Bogie Cover



Figure 17: Vertical Bogie Cover