

HD Sliding Doors OXO and OXXO Installation Instructions

A. Before You Begin

1. Read through these instructions completely.
2. Check with local building officials to ensure code compliance.
3. Installation requirements may vary based on your specific building design and building materials or methods used.
4. The structural frame and surrounding wall and weather-resistant barrier must be sound and suitable to accommodate the installation.
5. YKK AP recommends installation of a sill pan before installing the HD door.
6. Ensure the rough opening is 1/2" larger in width and height than the door dimensions, and that it is plumb and square:
 - a. To check plumb, run level or chalk line along head, sill and jambs to check for swales or crowns. Shim to make adjustments as necessary.
 - b. To check square, measure diagonally from upper corner to lower corner and repeat from other upper corner to lower corner; measurements should be the same. Shim to make adjustments as necessary.

B. Tools You'll Need

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|  Tape measure |  Drill bits: 3/8, 3/16, and 1/8" |
|  Level |  Exterior silicone sealant and caulk gun |
|  Chalk line |  6" drywall blade |
|  Power screwdriver with Phillips head bits |  8" flashing tape |
|  #2 x 6" or longer Phillips head screwdriver |  Rubber mallet or hammer |
|  Several dozen #8 x 1-1/4 pan head corrosion-resistant screws |  Pliers |
| |  Small pry bar |

C. Check YKK AP HD Door and Hardware Packages

1. Select a flat area large enough to accommodate working with the fully assembled HD Door frame, approximately 20' x 20'.
2. Each YKK AP HD Door is delivered in multiple cartons which include extruded frame sections and parts, hardware, and the door panels. Unpack the cartons and lay out the frame parts (sill, head, and jambs) with interior and exterior surfaces aligned correctly for assembly.

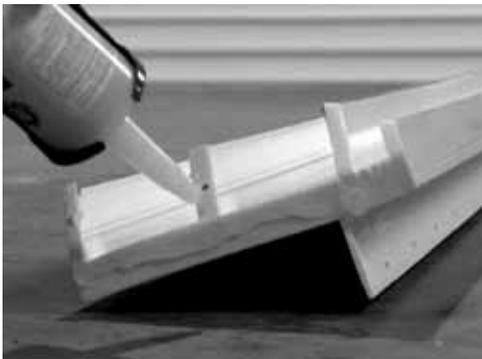
<ul style="list-style-type: none"> (1) Sill (w/pre-installed stainless steel track and DP-50 sill risers) (1) Head (2) Jambs (2) Glass Fixed Door Panels (1) Glass Operable Door Panel (2 for OXXO door) (12) Anti-Lifts (packed into jambs) (14 for OXXO door) 	<ul style="list-style-type: none"> (2) Panel Stops (packed into jambs) (4 for OXXO door) (2) Head/Sill Pocket Covers (packed into head/sill) (2) Jamb Pocket Covers (packed into head/sill) (1) Interlock (2 for OXXO door) (1) OXO/OXXO Door Adapter 	<ul style="list-style-type: none"> (1) Locking Handle Set w/keyed cylinder lock (1) Dummy Handle Set (OXXO doors only) (1) Keeper Shim (1) Keeper #8 x 3" Phillips pan head screws #10 x 1-1/4" Phillips screws #8 x 2" Phillips truss head screws
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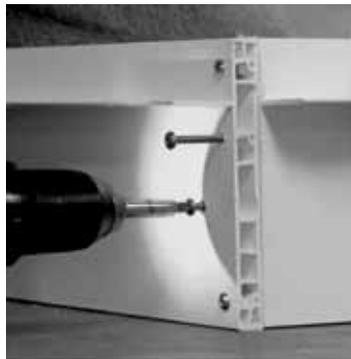
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3. Anti-lifts and panel stops have been packed into the jambs for shipping. Gently pry these components from the jamb(s) with a screwdriver and set them aside for use later. (Picture 3)
4. Pocket covers have been packed into the head and sill for shipping. Gently remove these components by prying with a screwdriver and set them aside for use later. NOTE: do not remove the pre-installed sill risers placed at each end of the sill.
5. Confirm you have all the required components and hardware. If any parts are missing, contact YKK AP at (866) 348-9091.

D. Assemble the Frame



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1. Place a bead of clear silicone sealant at one end of the head along the factory-installed head foam gasket. (Picture 4)
 2. Align the corresponding jamb perpendicular to the head. Be certain the interior and exterior sides of the head and the jamb are each facing the same direction. Secure the joint using four provided #8 x 2" Phillips truss head screws. (Picture 5)
3. Repeat this process for the remaining jamb at the opposite end of the head.
 4. Repeat to secure the sill to the jambs in the same way. Be sure to first add silicone sealant to each sill foam gasket.

E. Install Frame into Rough Opening

1. Apply a bead of silicone to the perimeter of the exterior rough opening, surrounding the area the nail fins will overlap once the frame is in place.
2. From the exterior side, position the door frame into place with the nail fins against the exterior surface and center it into the opening, left to right.
3. Level and secure the sill using #8 x 1-1/4" corrosion-resistant screws (not provided) across the nail fin.
4. Plumb jambs and, at this time, use only three or four #8 1-1/4" screws up and down the nail fins to help temporarily hold the door in position.
5. Confirm square by measuring diagonally, corner to corner. If the measurement isn't the same, make the needed adjustments.
6. Snap a chalk line between the top left and right corners of the head nail fin. Align the head nail fin with the chalk line and secure using #8 1-1/4" corrosion-resistant screws across the nail fin. (Picture 6)
7. Adjust each jamb for final plumb and thoroughly secure with #8 x 1-1/4" corrosion-resistant screws up and down the nail fins.



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F. Install Fixed Panel



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1. Pre-installed sill risers are located in the exterior sill pocket at the corner of the sill and jamb. Use a small pry bar to offset this from the sill corner by 1/4" to allow clearance for the weep slot. Then gently tap the sill riser with a mallet to ensure it is securely seated in the pocket. (Picture 7)
2. Place three anti-lifts into the outside jamb pocket: one near the sill, one in the middle and a third near the head. (Picture 8)
3. Orient the fixed panel so the glazing bead will be facing "outdoors" when installed. Lift the panel at an angle into the head and swing the bottom so it rests on the sill riser. Slide the panel into the outside jamb pocket until fully seated against the anti-lifts. (Picture 9)
4. Repeat this entire process for the opposite fixed panel.

G. Install Interlock On Fixed Panel



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Note: The interlock installs on the "indoors" facing side of the fixed panel, providing a weatherproof seal between the fixed and operable panels. As a result, the designed tolerance between the interlock and fixed panel is extremely tight. (Picture 10)

1. Position the end of the interlock on the sill tower and, starting from the head, feed the leg of the interlock into the receiver on the fixed door panel. Being careful to protect the glass, use a mallet to tap along the interlock edge until it is firmly seated. Then, tap along the face of the interlock until it locks securely into place. (Picture 11)
2. For an OXXO door, install the interlock on the opposing fixed panel using the same method. Only one interlock is required for an OXO door.



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3. The weather-stripping must be flush with the sill tower to ensure a proper seal. If a "tail" remains, pry the bottom of the interlock away from the fixed panel and slide the weather stripping up into the channel. Avoid damaging the weather-stripping. (Picture 12)
4. Install pocket covers in the outside frame pocket at the head and sill between the fixed panels, and gently tap until each snaps into place. (Picture 13)
5. To secure the fixed panels to the jamb, use a 3/16" drill bit to drill a hole 6 inches from the head and sill at an angle into the jamb on the "indoors" facing side of the fixed panel. Secure the panels using the #10 x 1-1/4" flat head screws provided. (Picture 14)
6. Install pocket covers into the inside frame pockets along the jambs, concealing the just-drilled holes.

H. Operable Panel Installation



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1. Orient the operable panel so the glazing bead will face "outdoors" once installed. Lift the operable panel at an angle into the head and swing the bottom of the panel onto the stainless steel panel track. If necessary, use a 6" drywall blade to keep the panel rollers from interfering with positioning the panel.
2. For an OXXO door, install the other operable panel using the same method.
3. Adjust the rollers so that the panel has equal penetration into the head and sill. Adjustment requires a #2 6-inch or longer Phillips head screwdriver. The roller adjustment screw is accessed through the hole at the bottom of the interlock and lock stiles of the operable panels. (Picture 15)
4. Gently slide the panels into position and check alignment. Confirm equal penetration into the head pocket and equal distance between the lock stiles. Adjust rollers as required. For an OXO door, check for equal penetration into the head pocket and ensure vertical alignment along the interlock. (Picture 16)



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5. Install two anti-lifts into the inside pocket of the frame head above each operable panel. Position the anti-lifts so that, when the panel is in its closed position, there will be an anti-lift above the lock stile and another approximately 8" from the interlocks. You should not be able to see the anti-lifts when the panels are closed and the panels should not contact the anti-lifts during operation.
6. Install panel stops on both the head and sill ends of the panel track. The panel stops should rest against the jamb pocket covers. (Picture 17)

I. Adapter Installation -- FOR OXXO DOOR ONLY (For OXO door, skip to section J)



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1. Confirm operable panels are properly adjusted before installing the adapter.
2. Install four anti-lifts, equally spaced, into the OXXO adapter pocket that will attach to the semi-active panel stile. (The semi-active panel will not include the locking mechanism.)
3. Orient the OXXO adapter so that the foam pad will be located at the sill, and the screen groove is positioned towards the "outdoors" when installed.
4. Position the adapter onto the semi-active panel by resting the foam pad on the sill, without forcing downward, and push the adapter onto the panel stile.
5. Drill four 1/8" diameter holes approximately 3" deep, equally spaced along the inside length of the adapter pocket, and secure the adapter to the panel using provided #8 x 3" pan head sheet metal screws. Do not over tighten. Check alignment with the active panel. (Picture 18)

J. Adapter Installation -- FOR OXO DOOR ONLY

1. Install four anti-lifts, equally spaced, into the OXO adapter pocket that will attach to the fixed panel stile.
2. Orient the OXO adapter so that the foam pad will be located at the sill, and the screen adapter groove is positioned towards the "outdoors" when installed.
3. Position the adapter onto the fixed panel by resting the foam pad on the sill, without forcing downward, and push the adapter onto the panel stile.
4. Drill four 1/8" diameter holes approximately 3" deep, equally spaced along the inside adapter pocket, and secure the adapter to the panel using provided #8 x 3" pan head sheet metal screws. Do not over tighten. Check alignment with the operable panel. (Picture 18 above)

K. Install Lock, Keeper, Handle Set



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Note: A lock handle set is provided, along with attaching hardware and a keyed lock cylinder. For an OXXO door, a matching dummy handle set is also provided. (Picture 19)

1. Insert the lock cylinder into the exterior half of the lock handle and attach using provided screws.
2. Before completing lock cylinder installation, snip the lock tail at the first score from the tip to accommodate the thickness of the YKK AP HD door. (Picture 20)



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3. Verify that the screw boss extensions will fit inside the pre-drilled holes in the face of the operating panel lock stile. If necessary, bore out the holes using a 3/8" drill bit from both interior and exterior faces. Complete installation of the handle set to the lock stile using the medium length screws provided. (Picture 21)
4. For an OXXO door, install the dummy handle set in the same manner on the semi-active panel.
5. Determine where to position the keeper on the OXXO or OXO adapter by placing the keeper on the extended latch of the installed lock/handle set on the active door and pull that door towards the adapter, leaving enough space to determine proper alignment of the keeper on the adapter. Lightly mark top and bottom position references on the adapter. (Picture 22)
6. Remove the backing from the provided self-adhering keeper shim and position the shim onto the adapter, directly aligned with the position reference marks. (Picture 23)
7. Align the keeper top and bottom with the keeper shim and center in the adapter pocket width and mark screw locations.
8. Drill 3/16" holes on the marks and install the keeper using two provided #8 x 1-1/4" flat head screws. (Picture 24)
9. Check operation of the lock and adjust the keeper up or down as required. Check the alignment of the interlocks when in the closed and locked position.

L. Final Steps

1. Apply a silicone sealant bead to the house wrap 4" from the outside edge of the head and jamb nail fins.
2. Apply 8" window/door flashing tape along each jamb, completely covering the nail fin.
3. Apply the flashing tape to the head, extending approximately 1" past each jamb flashing.