

4500 Series Installation Instructions (for single & double doors)

Adjustable Sill

1. Remove the plugs on the adjustable sill plate with a flat bar and be careful not to damage the plugs.
 2. You then need a flat head screwdriver to turn the screws clockwise to raise the sill, be careful not to start turning the screw counter clockwise as the screw will come out of the adjustable nut on the bottom.
 3. After raising the sill, test the sweep of the door to ensure it is making an adequate seal and is not too high, or too low. Which would cause excessive rubbing or an inadequate seal, respectively. Re-install the plug covers, then the adjustment will be complete.
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Additional Fastening Requirements

1. Follow standard 300/301 series installation instructions, in addition to the following remarks.
 2. It is paramount to the integrity of the install to ensure the top hinge is shimmed snug, directly between the frame and the R.O. Then is secured with a fastener through the hinge leaf, through the frame, and into a structural substrate such as timber, masonry or steel. (screws supplied loose)
 3. Just as important, is the bottom hinge, it is to be shimmed snug directly between the bottom hinge, and the R.O. Then is secured with a fastener through the hinge leaf, through the frame, and into a structural substrate such as timber, masonry or steel. (screws supplied loose)
 4. The same procedure is to be followed for the latching side of the frame, behind the strike plate. This provides control over any deviation in the reveal that is created between the sash & the frame.
 5. Only once these 3 fastening points are established, in a "true" manner. Meaning the hinge side, is plumb, & level. Can you establish the location of the latching side corners, top & bottom.
 6. Rotate unanchored corners of frame inward or outward until gap between sash & frame is equidistant at opening edge. For double doors, ensure the primary operator is installed plumb, and the fixed side is adjusted to suit.
 7. Check door & check that lock engages easily
 8. Apply rest of anchors as per recommended anchor locations.
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Astragal Shoe & Flush Bolt Location (double doors only)

1. You must adjust the sill height prior to fastening the astragal shoe. Once adjusted, closed the passive door, and latch it shut using the flush bolts provided. To find the location of the flush bolt pocket (in the frame), you must partially deploy the flush bolt, and measure from the edge of the frame to the centre of the bolt. Then you can transfer that measurement to the frame, and drill accordingly. The pocket provided by the insert, is offset, to provide adjustment for any error in drilling location.
 2. Only once the above requirements are met, can you locate the fixing point of the astragal shoe. (both top and bottom)
 3. The shoe is to be installed as the last step in the installation process. The bottom and top shoe should sit flush to the interior side of the frame, and line up with the fixed door.
 4. The location of the shoe is determined by finding the natural resting place of the fixed side in a locked position, once found, slip the shoe under the fixed sash and mark it's location. The bottom shoe is to sit in the gap between the sill, dividing active, and passive doors. Open the door, and return shoe to marked location, and fasten into sill with provided fasteners. Be sure to fasten the outer most screw first, to ensure it is sitting flat on the exterior sill. Then fasten the innermost mounting screw. Repeat the process for the upper shoe.
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Packing list (Additional supplied components)

1. Do not throw away any supplied fasteners, or components, as they are needed to complete an install as written out in this guide.
2. For double doors, the black plugs supplied are to be used as an adjustable cammed bushing that helps fine tune the location of the pin once the primary location is determined.
3. There will be a total of 2 screws supplied loose, per hinge, intended to fasten through the hinge leaf on the frame side, through the door frame, and into the R.O substrate.