# Window Opening Control Device (WOCD) for Casement Windows

INSTALLATION INSTRUCTION

The window opening control device (WOCD) is designed to assist in protection against accidental falls by children five (5) years old and younger. When properly installed and engaged, there shall be no space at the maximum open position of a window sash which would permit a rigid 4" (102mm) diameter sphere to pass through the opening. Failure to correctly install and engage the WOCD may result in falls or injury. Window must be unlocked and the WOCD disengaged to allow for emergency exit. This window control device is not a substitute for attentive supervision of young children. Tested to ASTM F2090.

**You will need to supply:**

- WOCD Kit

**Tools required:**

- Phillips screwdriver
- Pencil
- Drill with 3/32" bit

## ⚠ WARNING!

POSSIBLE FALL HAZARD

**Young Children may fall through an open window if all instructions are not followed:**

- Failure to properly install the WOCD may cause serious injury or death.
- When properly installed this device will block escape in fire and emergency unless released.
- WOCD shall be maintained and tested on a monthly basis and after testing be securely closed.
- Leave the window opening control device safety information sheet with the building occupant or an appropriate person on the project to provide to the building occupant.
- Use recommended materials and techniques.
- Make sure the window opening control device is securely attached to the window frame.
- Make sure the window is in good condition.
- Keep window opening control device engaged unless needed for use in an emergency.
- Teach household members six years old and older how to operate the release mechanism in case of an emergency.
- Building and fire codes shall be consulted before installing window opening control device. Contact local building code department or fire department for specific applicable codes.
- Window opening control devices shall be installed such that the release mechanism is in conformance with local building and fire code requirements.

## 1 Prepare Sash and Attach Arm:

A. **Unlock the window and crank open the sash** to access the edge of the sash opposite of the hinge.

B. **Confirm the WOCD is the correct handing** for the window.




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# 1 Prepare Sash and Attach Arm (continued):

C. **Position the sash template** so the arrows touch the exterior edge of the hinge groove and the bottom edge of the sash.




D. **Mark the centers** of each screw hole with a pencil.










E. **Remove the template and drill** a 3/32" x 1/2" deep pilot hole at each marked location.













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# 1 Prepare Sash and Attach Arm (continued):

F. **With the pads of the shim facing the sash,** align the holes on the shim with the pilot holes on the sash.




G. **While holding the shim in position, align the arm bracket with the pilot holes on top of the shim** and attach the bracket with three (3) provided screws.













**NOTE:** Fastening the screws in the order from bottom to top, as shown in figures 1l, is recommended as it helps prevent the sash arm bracket from bending.

# 2 Prepare Frame and Attach Track:

A. **Open the sash** far enough to access the lock jamb side of the frame.

B. **Place the frame template tight against the vertical edge** where the sill and jamb meet. Make sure the template handing corresponds to the handing of the unit.

C. **Mark the track hole locations on the frame using a pencil.**










D. **Drill a 3/32" pilot hole** 1/2" deep at each marked location.






# 2 Prepare Frame and Attach Track (continued):

E. **Align the track** with the pilot holes and attach with the provided screws.










F. **Remove the manufacturer's inspection tag.**







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# 3 Apply Sticker to Glass and Frame:

A. **Apply "Limiting Device Installed..." sticker** to the lower corner of the glass nearest the WOCD assembly.

3A




B. **Apply Instruction sticker to the frame** with the arrow pointing up, align the locator line on the instruction sticker to the top of the WOCD frame track. Adhere the sticker to the jamb next to the WOCD.

**Optional:** The frame sticker may be placed directly above the WOCD device.

3B



# 4 Confirm Operation:

**⚠ WARNING**

- Window opening control device should automatically re-engage when closing the sash.
- After activation of the window opening control device check for window openability.

A. **Crank the window closed.** When the window and the WOCD device are properly installed, the device will reset automatically at or near the fully closed position.







B. **Confirm engagement by opening the window** until the device limits the window opening.

C. **To release the WOCD** – press and slide the red button up and hold it in the up position.










D. **Continue to hold the red button** in the up position and crank the window to release the arm from the track and then the window can be fully opened.






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## ISSUE: WOCD arm stud is contacting the track higher than intended.

**ANSWER:** If this occurs, the window may be racked.

Refer to the **"Sash to frame reveal is not even, when viewed from exterior"** question in the **"Air Infiltration"** section of the Product Troubleshooting Guide.




## ISSUE: WOCD arm stud is contacting the track lower than intended.

**ANSWER 1:** If this occurs, the sash may be sagging.

Refer to the **"Sash to frame reveal is not even, when viewed from exterior"** question in the **"Air Infiltration"** section of the Product Troubleshooting Guide.

**ANSWER 2:** The lower rest tab of the track on the frame side of the WOCD may be bent back or inward to adjust the resting position of the latch slider using a flat head screwdriver. This will allow the slider to drop lower or rest higher when in resting position to now gain alignment with the stud. This adjustment can also be made over time should the sash sag more.




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**ISSUE:** **WOCD passes over or hits the latch in the track assembly because the stud on the arm is too far toward the glass of the sash.**

**ANSWER:** Check to ensure the hinge cavity of the window is 7/16". If the window is designed with a 7/16" hinge cavity (or is utilizing a shim to achieve this dimension) and the stud is passing over the latch, slightly flex the arm toward the frame to allow the arm assembly to fall into position closer to the frame. The arm is made from hard stainless steel and is designed to flex slightly. Repeat this as needed until there is good horizontal alignment between the stud on the arm and the latch of the slider, and the stud engages in the latch. If the stud begins to hit the outside of the frame preventing the window from closing, the arm has been flexed too far and needs to be pulled slightly in the opposite direction.
If the hinge cavity is larger than 7/16" (11mm), a shim may be used to achieve this dimension.



Issue


Answer

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## **ISSUE:** WOCD hits the frame because the stud on the arm is too far toward the frame.

**ANSWER:** Check to ensure the hinge cavity of the window is 7/16". If the window is designed with a 7/16" hinge cavity (or is utilizing a shim to achieve this dimension) and the stud is hitting the frame, slightly flex the arm away from the frame to allow the arm assembly to fall into position into to the frame WOCD. The arm is made from hard stainless steel and is designed to flex slightly.
Repeat this as needed until there is good horizontal alignment between the stud on the arm and the latch of the slider, and the stud engages in the latch. If the stud begins pass over the latch, the arm has been flexed too far and needs to be pulled slightly in the opposite direction.



Issue



Answer

## **ISSUE:** WOCD track carriage is not dropping to the reset location.

**ANSWER:** The lock feature on the carriage may have bent slightly away from the window jamb, causing it to contact the track. Manually slide the carriage to the reset location. Using a flathead screwdriver press gently on the lock feature until it bends back in place.





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