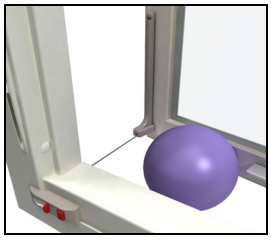
Factory Applied Window Opening Control Device
Field Service Instruction

NOTE: This service instruction is for Marvin Ultimate Casement (UCA), Infinity Casement (NCA/NINCA), Integrity Wood-Ultrex Casement (ICA), and Integrity All Ultrex Casement (IFCA). The window opening control device meets the requirements of ASTM F2090-10.

CAUTION

All building and fire codes should be consulted before installing window units with factory installed window opening control devices. Contact local building code department or fire department for specific codes.

WARNING!

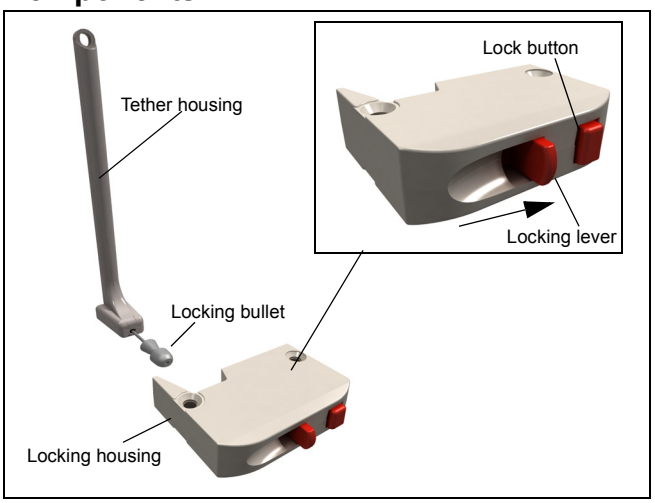


Possible Fall Hazard: Young children may fall out of the window if the window opening control device is not installed correctly. When properly engaged, no space shall exist at the lowest opening portion of the window opening that would permit the passage of a rigid sphere measuring 4" (102) in diameter.

Maximum unit size device is intended for:		
Unit	**Frame Size**	
ICA	36.000" (914) x 71.125" (1807)	
IFCA	35.500" (902) x 71.500" (1816)	
NCA, NINCA	36.000" (914) x 72.000" (1829)	
CUCA, CURCA, CUCART	>36.000" (914) Width	40.000" (1016) x 92.000" (2337)
	≤36.000" (914) Width	36.000" (914) x 96.125" (2442)
WUCA, WURCA, WUCART	>36.000" (914) Width	40.000" (1016) x 92.063" (2338)
	≤36.000" (914) Width	40.000" (1016) x 97.063" (2465)

NOTE: Numbers listed in parentheses ( ) are metric equivalents in millimeters rounded to the nearest whole number.

Components



Housing Removal and Replacement

Tools needed
#2 Phillips screwdriver

1. Unlock and open window.
2. Remove sill cover.

NOTE: For ICA units please refer to Parts and Service Manual, Service Stationary sash removal section. For NCA/NINCA units, please refer to the Infinity Service Manual, Insert Casement/Awning and Casement removal and installation of sash section. For IFCA units, use same method as Infinity units. For UCA units refer to the Marvin UCA/UAWN and URCA/URAWN Supplemental Installation Instructions.

3. Remove jamb cover. See figure 1.

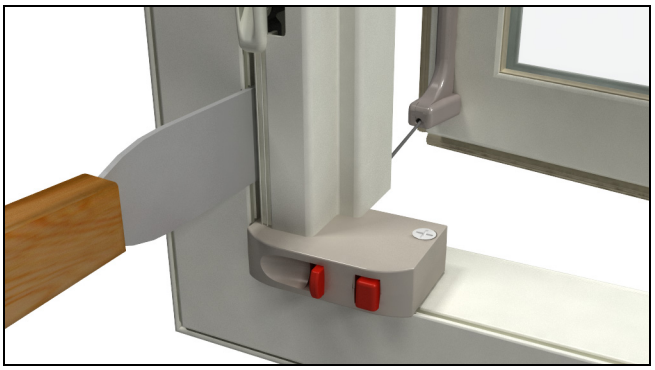


Figure 1

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4. Disengage the window opening control device.

5. Remove two #2 Phillips screws in the locking housing.

NOTE: If moving the housing to a replacement frame, only the housing should be placed on the new frame.

6. Remove and replace the old housing with the new housing. Ensure proper orientation so that the bullet will engage the opening in the lock housing. See figure 2.

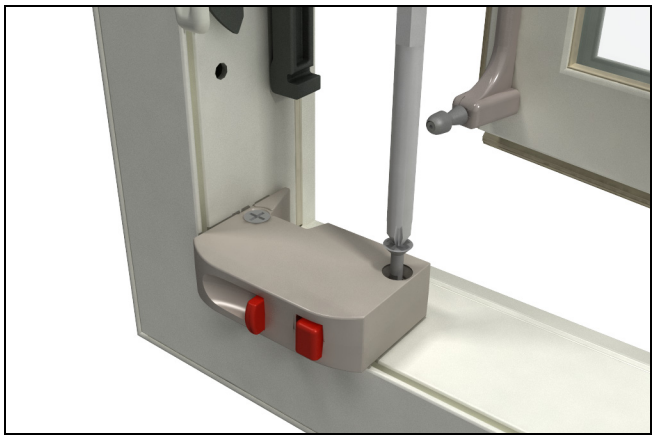


Figure 2

7. Attach the new housing using the two #2 Phillips screws into the existing holes in the sill. Do not strip screw holes. If either screw hole is stripped during attachment, the housing will not be sufficiently secured to the frame. A replacement frame will need to be ordered.

8. Attach jamb cover then the sill cover. See figure 3.

Figure 3

9. Close and lock window.

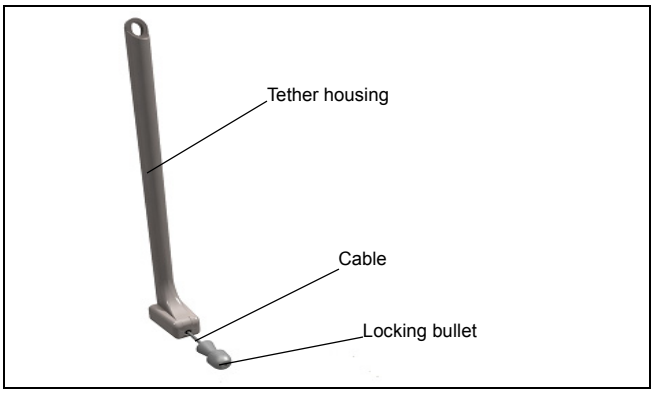
10. Check window opening control device for proper operability. When the sash is closed and locked the window opening control device should automatically engage. Refer to Safety Information.

11. Close and lock window.

Tether Removal and Replacement

ICA, IFCA, NCA,NINCA units will require the use of a T20 Torx™ screwdriver. UCA units will require a Phillips screwdriver.

Tools needed
#2 Phillips screwdriver
T20 Torx™ screwdriver



1. Unlock and open window.

2. Disengage the window opening control device.

3. Remove the top using a screwdriver on the screw in the tether assembly. See figure 4.

Figure 4

4. Rotate tether leg and cable assembly out of the tether plug. See figure 5.

Figure 5

5. Remove bottom screw in the tether assembly. See figure 6.

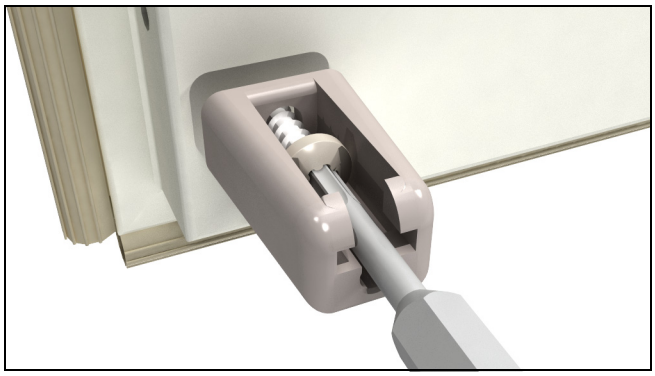


Figure 6

6. Remove and replace the old tether plug with the new one.

7. Attach the new tether with a screwdriver and screw using the existing hole in the sash. Do not strip holes that screws go into. If the screw hole is stripped during reattachment, the tether assembly will not be sufficiently secured to the sash. A replacement sash will need to be ordered. See figure 7.

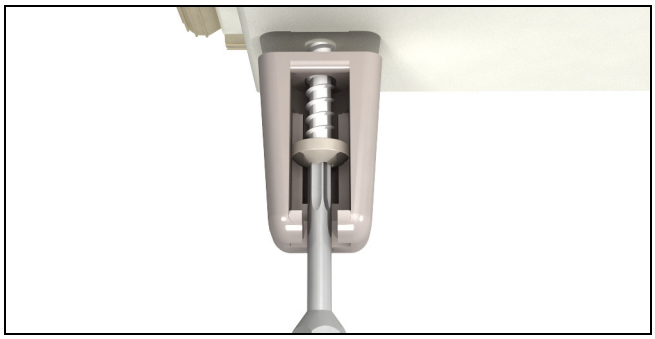


Figure 7

8. With the cable assembly in the tether leg and spring seated in its channel insert the nose of the leg into the plug and rotate into place. Pull the bullet and let it retract to ensure the spring is operating correctly. If the bullet does not retract, remove assembly and repeat step 8. See figure 8.

Figure 8

9. Attach the tether leg using a screwdriver and screw using the existing hole in the sash. Do not strip screw. If the screw hole is stripped during attachment, the tether assembly will not be sufficiently secured to the sash. A replacement sash will need to be ordered.

10. Close and lock window.

11. Check window opening control device for proper operability. When the sash is closed and locked the window opening control device should automatically engage. Refer to Safety Information.

12. With the bullet engaged in the housing, open the window until the tether spring is tight and apply firm pressure to the sash. While applying pressure, observe the tether assembly to ensure it is tight to the sash, the screws are tight, and the screws are not pulling out due to being stripped.

13. Close and lock window.