FIELD INSTRUCTION
VINYL PATIO DOOR SASH REPLACEMENT
(ASPECT & ENDURE)

This document is to assist with the field removal and installation of a vinyl patio sash for a 2-, 3-, or 4-lite patio unit.

SASH REPLACEMENT CONTENTS:

• (1 - 2) PD PACK #3 - FIXED SASHES, Part # S-DH-023S-CC to include:

· *(5) Foam Plugs*

· *(4) Screw Caps (Color Matched)*

· *(4) #8-18 x 1" Phillips Pan Head Self Drilling Screws*

TOOLS YOU WILL NEED:

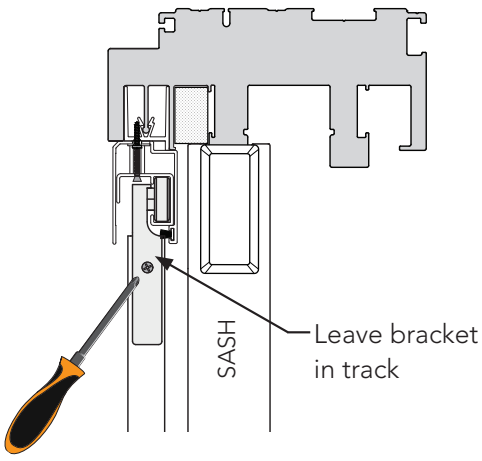
• Phillips Head Screwdriver

• High Quality Silicone Caulking in accordance with ASTM C920

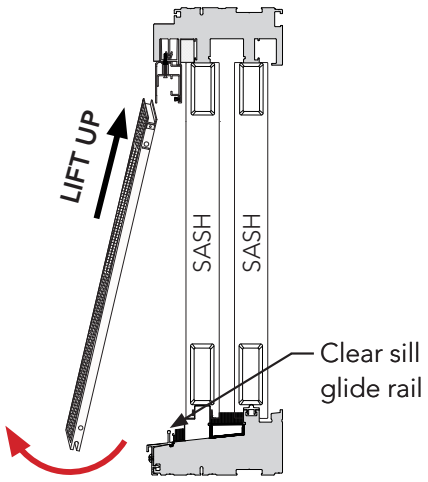
TAP or SCAN to watch our VIDEO on "Sliding Patio Door Sash Removal"

⚠ *Read these instructions carefully before starting installation. Product warranty does not cover damages resulting from improper installation.*

A. REMOVE SCREEN



(Figure A.1)

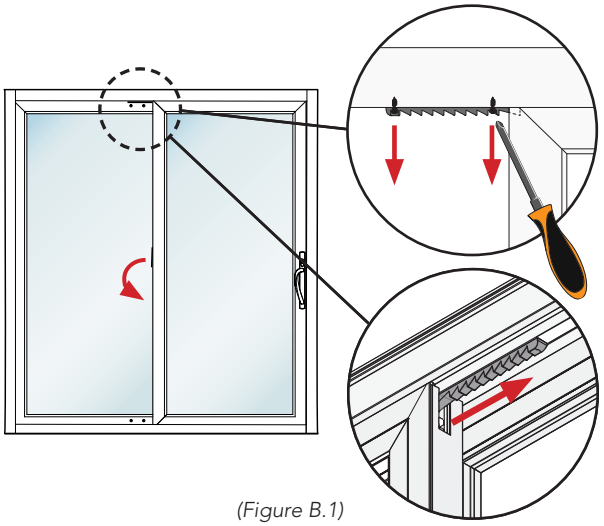


(Figure A.2)

1. Use a Phillips head screwdriver to remove the screw from RH and LH roller brackets. Remove roller brackets from the screen door by pulling bracket outward from the screen groove. Brackets can remain in the screen track. Lift screen up to remove. Set screen aside. *(Figure A.1)*

B. REMOVE ACCUVENT™ BOLT PLATE OR FOOT LOCK

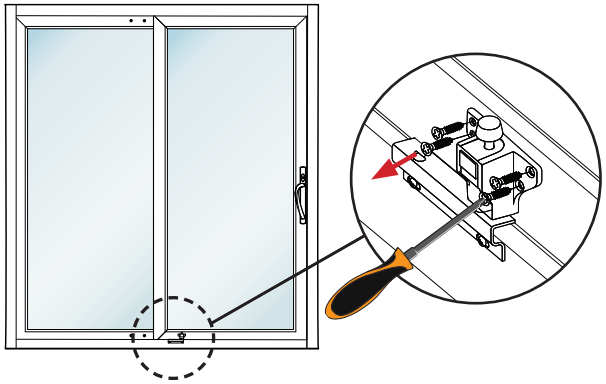
ACCUVENT BOLT PLATE REMOVAL



(Figure B.1)

OR

FOOT LOCK REMOVAL

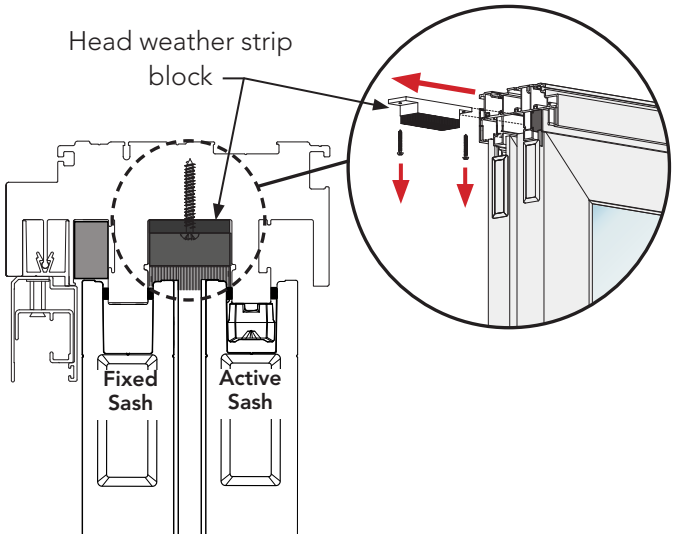


(Figure B.2)

1. **For unit with an AccuVent**, close sash and lock handle. Flip AccuVent lever to the unlocked position. Remove (2) screws from the bolt plate to detach from header. Set aside for re-installation. *(Figure B.1)*

2. **For unit with a Foot Lock**, use a Phillips head screwdriver to remove (4) screws from the lock body. Set aside for re-installation after sash replacement. *(Figure B.2)*

C. REMOVE HEAD WEATHER STRIP BLOCK



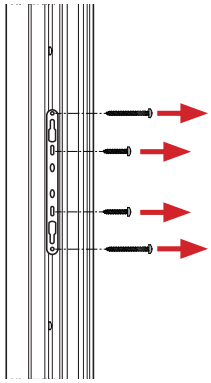
(Figure C.1)

1. From the interior with the active sash closed, use a Philips head screwdriver to remove screw from head weather strip block located above interlock. Fully open the active sash to remove the second screw from the weather strip block. Remove block and set aside. The weather strip block and screws will be re-installed after sash replacement. *(Figure C.1)*

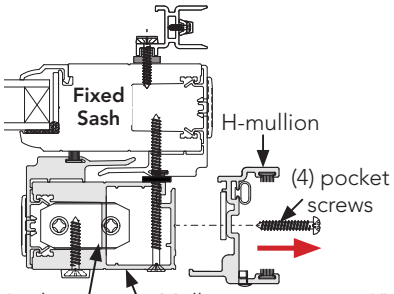
D. REMOVE MULLION *3-LITE CENTER ACTIVE ONLY*

***ONLY REMOVE MULLION IF REPLACING THE FIXED SASH**

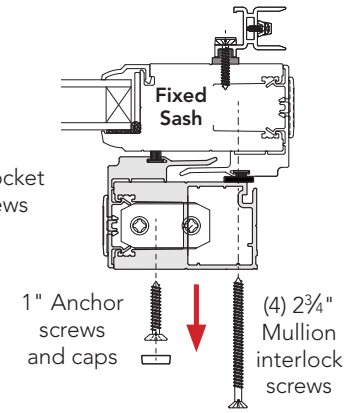
FROM THE INTERIOR



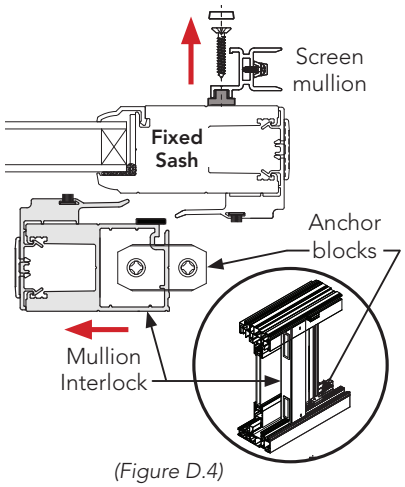
(Figure D.1)



(Figure D.2)



(Figure D.3)



(Figure D.4)

1. Open sash. Remove the lock keeper from the H-mullion pocket. Remove top, bottom, and (2) middle screws. *(Figure D.1)*

2. Remove the (4) screws from inside the H-mullion pocket then remove the H-mullion from the mullion interlock. Set screws and H-mullion aside. *(Figure D.2)*

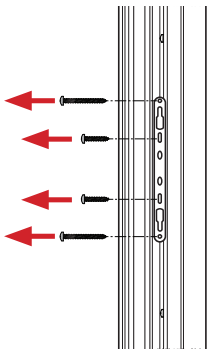
3. Remove the (4) 2¾" screws from the mullion interlock as referenced above. Next remove the screw caps and the 1" anchor screws from the top and bottom. Set all screws aside. *(Figure D.3)*

4. Slide the mullion interlock towards the fixed jamb side to disengage from the head and sill anchor blocks. Set aside. **DO NOT REMOVE ANCHOR BLOCKS!** *(Figure D.4)*

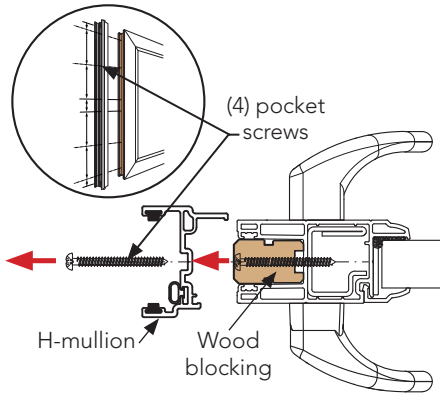
5. From the exterior, remove the screw caps and screws from the screen mullion. Remove mullion and spacer located behind mullion. Set parts aside. *(Figure D.4)*

E. REMOVE MULLION *4-LITE ONLY*

***ONLY REMOVE MULLION IF REPLACING A RIGHT SASH(ES) (OSLI)**



(Figure E.1)



(Figure E.2)

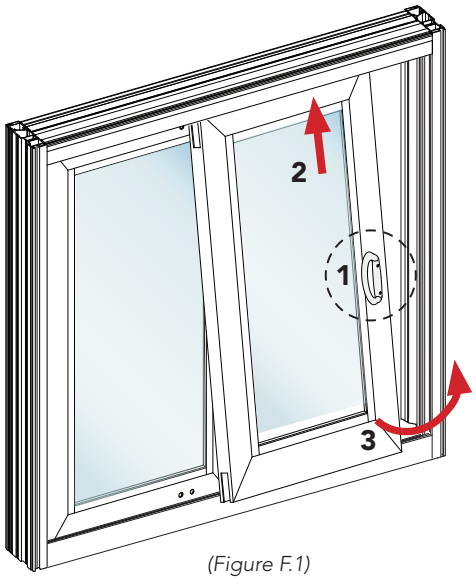
1. Open sash to remove the lock keeper from the H-mullion pocket. Remove top, bottom, and (2) middle screws. *(Figure E.1)*

2. Remove the (4) screws from inside the H-mullion pocket then remove the H-mullion from the sash rail. Set screws and H-mullion aside. *(Figure E.2)*

3. Remove the (2) countersunk screws from the wood blocking then pull blocking from the sash rail pocket. Set screws and blocking aside. *(Figure E.2)*

F. REMOVE ACTIVE SASH

FROM THE INTERIOR



(Figure F.1)

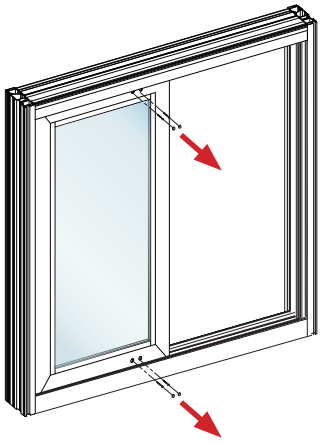
***The following steps are for 2-, 3-, and 4-lite units.**

1. If replacing the active sash, remove the hardware.

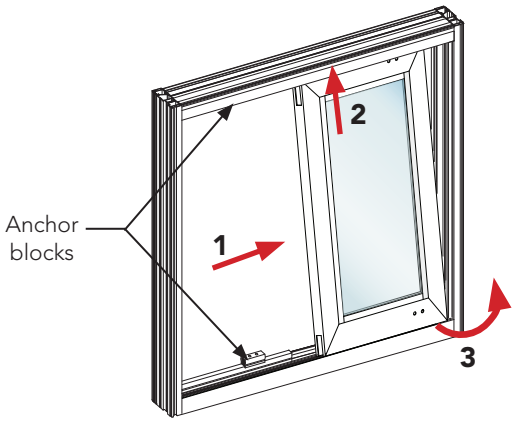
2. Slide active sash to an open position. Lift sash upward and then tilt the bottom inward to clear the sill track. *(Figure F.1)*

G. REMOVE FIXED SASH *FOR REPLACEMENT*

FROM THE INTERIOR



(Figure G.1)



(Figure G.2)

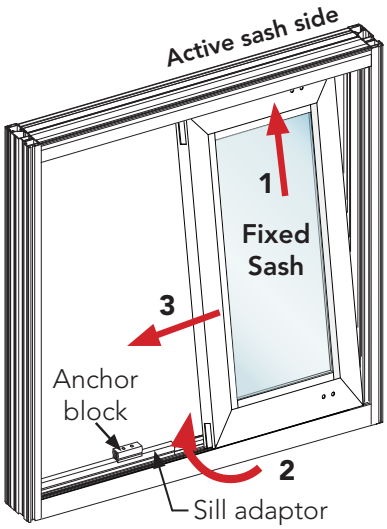
1. Remove the screw cap covers and screws located at the top and bottom of the fixed sash. *(Figure G.1)*

2. Slide the fixed sash towards the active sash jamb until the fixed sash clears the anchor blocks. Lift sash upward and then tilt the bottom inward to clear the sill track. **DO NOT REMOVE ANCHOR BLOCKS!** *(Figure G.2)*

3. **For 3- and 4-lite units**, repeat Steps 1 and 2 for additional fixed sash if needed.

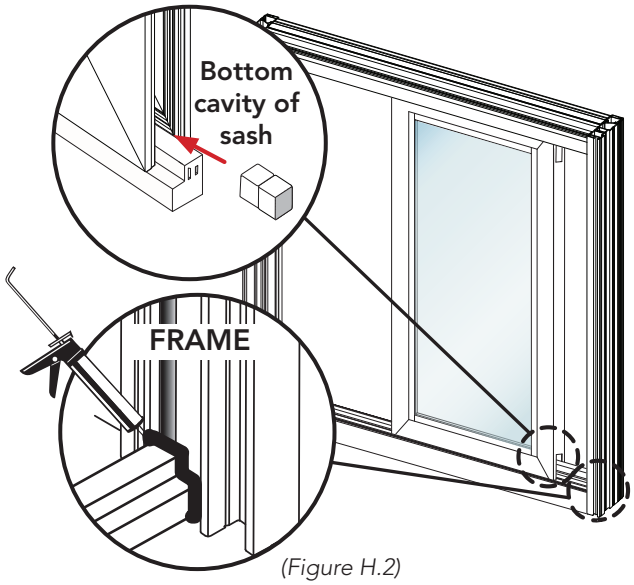
H. INSTALL FIXED SASH

FROM THE INTERIOR



(Figure H.1)

EXTERIOR VIEW



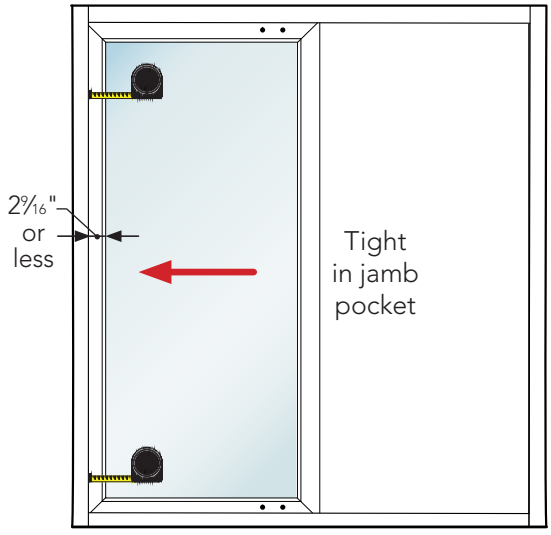
(Figure H.2)

1. Open top and bottom slide caps. In addition, check to be sure the interlock weather strip did not slide up or down.

2. Orient the fixed sash with the interlock and anchor screws to the interior. On the active sash side, insert the top of sash onto the exterior head track and clearing the anchor blocks. Align the sash bottom with the sill adapter and then slide sash over blocks. *(Figure H.1)* Do not slide the sash into the jamb pocket in order to complete the following step. *(Figure H.2)*

3. On jamb side of the fixed sash, insert (2) foam plugs, side-by-side, into the bottom opening of the sash rail and on the bottom sash track. Refer to Detail above. *(Figure H.2)*

4. Place a bead of caulk around all sides of the bottom track, where the track meets the side jamb. *(Figure H.2)*



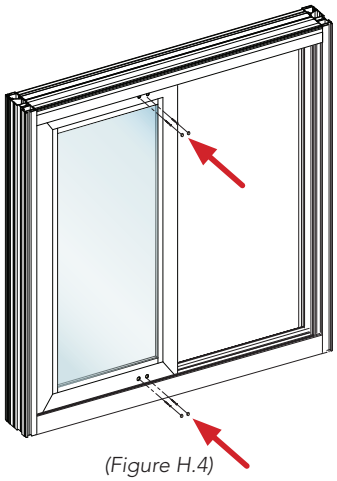
(Figure H.3)

5. Slide sash tight into jamb pocket. *(Figure H.3)*

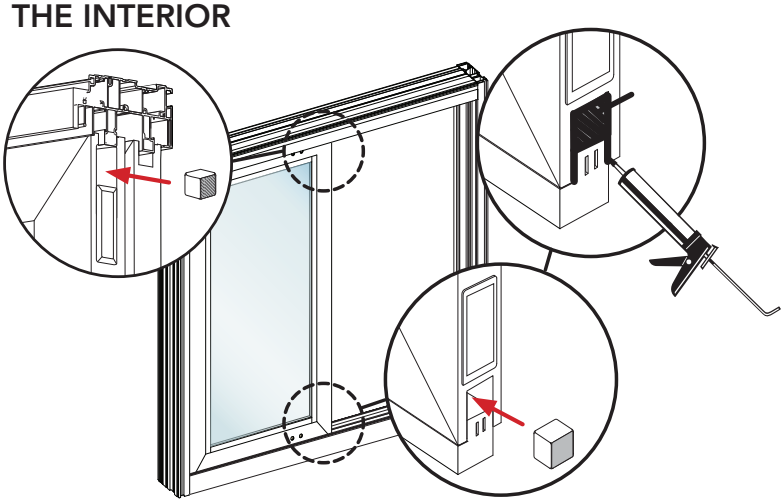
6. Check sash for square. Measure width of the vertical sash rail, near top and bottom for equal. The frame to glass should measure 2 9/16" or less. *(Figure H.3)*

H. INSTALL FIXED SASH *(CONTINUED)*

FROM THE INTERIOR



(Figure H.4)



(Figure H.5)

7. Secure the sash to the top and bottom anchor blocks using the #8x1" screws. *(Figure H.4)*

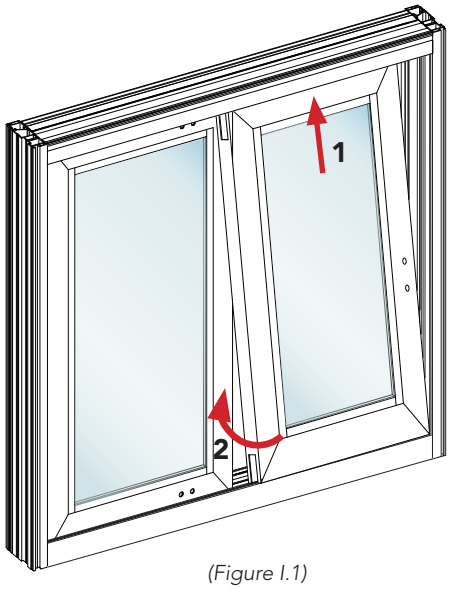
8. Insert (1) foam plug in the top and bottom opening of the sash rail. For the bottom opening ONLY, apply caulking to each side of the sill adapter up to sash and all sides of the foam plug for a complete seal. Refer to Details above. Close the top and bottom slide caps. *(Figure H.5)*

9. **For 3-lite center active and 4-lite units**, repeat Steps 1 - 7 for opposite fixed sash.

10. **For 3-lite end active units,** insert (1) foam plug in each top opening of the center fixed sash. Close slide caps.

I. INSTALL ACTIVE SASH

FROM THE INTERIOR



(Figure I.1)

***The following steps are for 2-, 3-, and 4-lite units.**

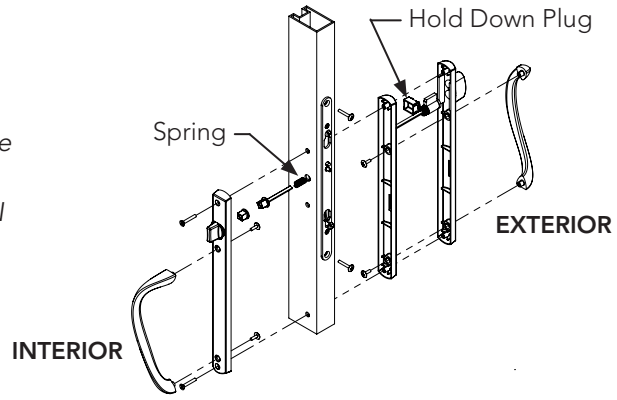
1. Open top and bottom slide caps. In addition, check to be sure the interlock weather strip did not slide up or down.

2. Place top of sash onto the interior head track. Lift up and then lower onto the sill rail. *(Figure I.1)*

3. Square sash in opening. Use the adjustment screws located on the bottom sash rollers to adjust each side of the sash as necessary for square and equal height. The sash must enter the jamb pocket evenly. *Turn adjustment screws clockwise to raise sash and counter-clockwise to lower sash. Unweight sash to assist with upward adjustment. (Figure I.1)*

I. INSTALL ACTIVE SASH *(CONTINUED)*

**DO NOT USE a power screwdriver to install. Doing so will cause damage and VOID WARRANTY*
**DO NOT OVER TIGHTEN the screws*



****SPRING AND HOLD DOWN PLUG MUST BE INSTALLED***

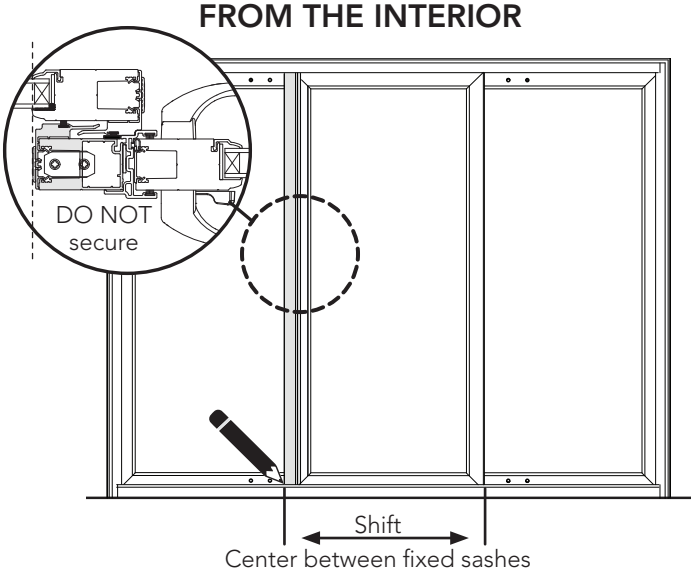
(Figure I.2)

4. Re-install the handleset. *(Figure I.2)*
   NOTE: *For all keyed Signature handle sets in the color white, beige, black, sandstone, white/sandstone, white/beige, and white/black, the spring and hold down plug MUST be re-installed. This does not apply to handles with a metallic finish or white/bronze finish.*

5. For 2-lite and end active units, the lock keeper must align with the latch. Keeper adjustment may be necessary, refer to Section L.

J. INSTALL MULLION *3-LITE CENTER ACTIVE ONLY*

FROM THE INTERIOR



(Figure J.1)

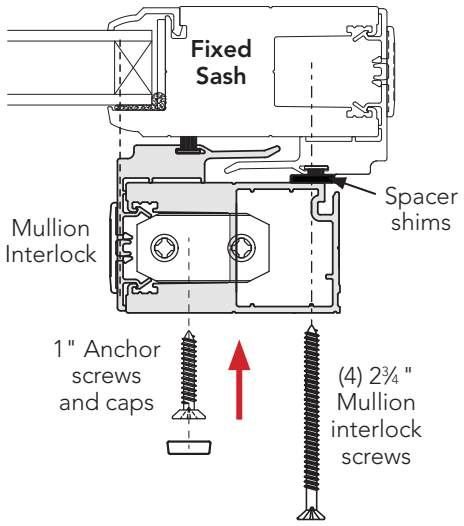
TAP or SCAN to watch our VIDEO on "Installing an Endure/Aspect 3-Lite Patio Door Interlock Mull Post"

1. Check the mullion interlock to confirm spacer shims are located at the (4) screw holes *(Fig. J.2)*. Slide the mullion interlock onto the anchor blocks until engaged with the fixed sash interlock. DO NOT compress interlocks.

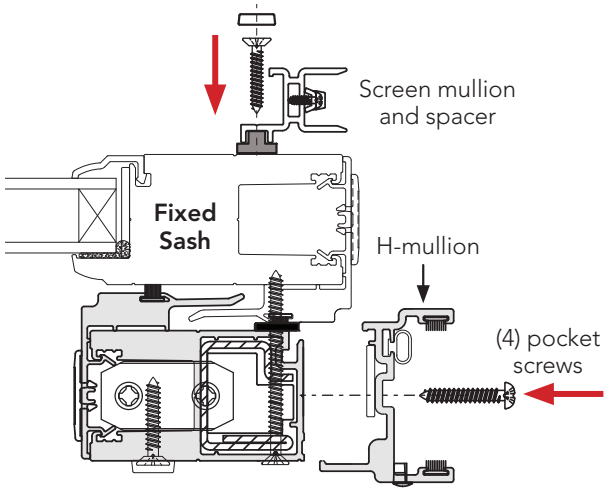
2. Locate the H-mullion pocket on the mullion interlock. Hold in place and DO NOT fasten. Close sash into the pocket to check for proper fit and spacing. Hold the interlock assembly and active sash together, shift back and forth until centered between fixed sashes. *(Fig. J.1)*

3. Use a pencil to lightly mark the location of the mullion assembly on the header and sill to help relocate in following steps. *(Figure J.1)*

J. INSTALL MULLION *3-LITE CENTER ACTIVE (CONT.)*



(Figure J.2)



(Figure J.3)

4. Holding interlock assembly together, open sash and remove the H-mullion pocket. Check to make sure mullion interlock is aligned with pencil marks. Secure interlock to the top and bottom anchor blocks using the 1" screws previously removed. Replace screw cover caps. *(Figure J.2)*

5. Secure the mullion interlock to the fixed sash using the (4) 2¾" screws previously removed. *(Figure J.2)*

6. Replace the H-mullion pocket on the interlock. Make sure the screw holes are aligned. Secure with the (4) previously removed screws. *(Figure J.3)*

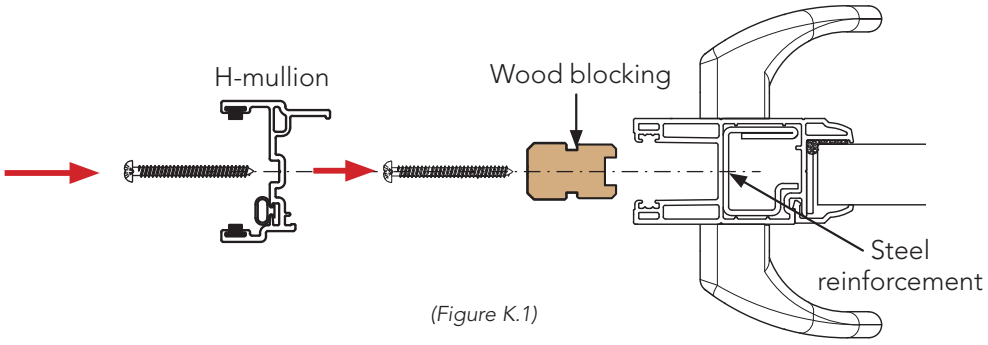
7. Re-install the lock keeper. Refer to Section L for details.

8. Re-install the screen. Refer to Section A.

9. From the exterior, place the screen mullion with spacer against the fixed sash. Align the end of the receiving channel with the end of the inner track. Use a 1" screw to secure the top of the mullion. Adjust the screen panel and mullion to parallel, then secure with the (4) remaining 1" screws. Install screw cap covers. *(Figure J.3)*

K. INSTALL MULLION *4-LITE ONLY*

RIGHT (SECONDARY) SASH ONLY (OSLI)



(Figure K.1)

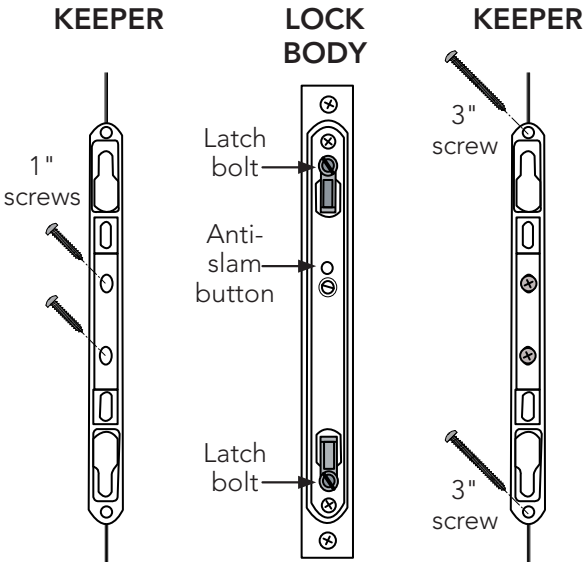
⚠ **IN THE FOLLOWING STEPS, DO NOT OVER TIGHTEN SCREWS!**

1. Orient the wood blocking as shown above, then insert blocking into the vertical sash rail. Pre-drill with a 3/32" drill bit through the existing screw holes into the sash vinyl and steel reinforcement. Secure with the (2) countersunk screws previously removed. *(Figure K.1)*

2. Replace the H-mullion pocket on the sash rail with wide face of the mullion to the interior. Center mullion vertically. Pre-drill with a 3/32" drill bit through the existing screw holes into the sash vinyl and steel reinforcement. **Carefully pre-drill all holes! DO NOT drill more than 2" in depth to avoid penetrating glass.** Secure with the (4) previously removed screws. *(Figure K.1)*

3. Re-install the lock keeper. Refer to Section L for details. ***TAP or SCAN to watch our VIDEO on "Installing an Endure/Aspect 4-Lite Patio Door" Reference time stamp at 6:05 minutes for keeper installation.***

L. INSTALL OR RESET KEEPER



(Figure L.1) *(Figure L.2)* *(Figure L.3)*

**Tip:* *Place (2) strips of double-sided tape on back of keeper. Locate keeper on lock body and lock. Close sash tight to adhere keeper to jamb pocket. Unlock the lock body and open sash. Install keeper as directed.*

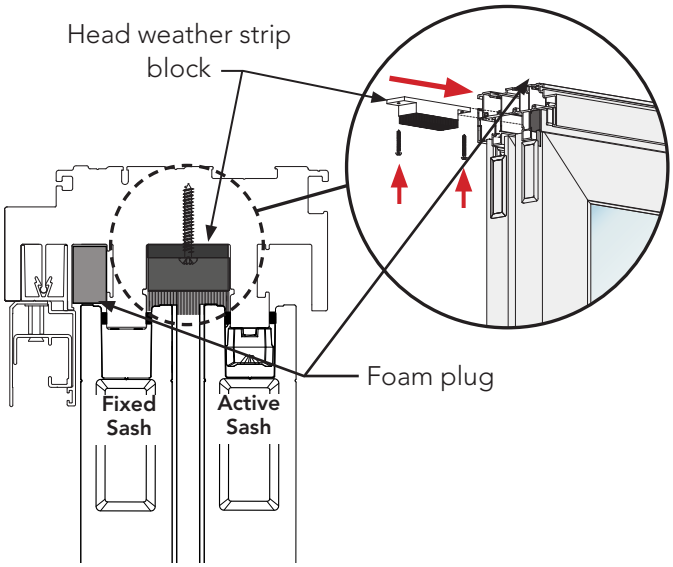
1. Re-install keeper in the H-mullion pocket. First, use the (2) 1" screws to secure the keeper in place through the center existing elongated screw holes. Do not tighten. *(Figure L.1)*

2. Slide active sash almost closed, leaving enough room to check alignment with the new lock body. Adjust up and down as needed then tighten center screws enough to hold.

3. Close the sash, lock and unlock the handle. If needed, adjust the latch bolt and keeper positions until sash latches without sash movement or excessive effort. To adjust latch bolt position, open sash and engage the anti-slam button to allow the latch bolt to lock. Use a flat head screwdriver to loosen or tighten latch bolt as needed. Test function of the lock. Repeat step if lock is still too tight or too loose. *(Figure L.2)*

4. After final adjustments are completed, pre-drill a 1/8" pilot hole through top and bottom keeper hole into the vinyl or wood and through the steel reinforcement. Install the 3" screws to secure. *(Figure L.3)*

M. RE-INSTALL HEAD WEATHER STRIP BLOCK(S)

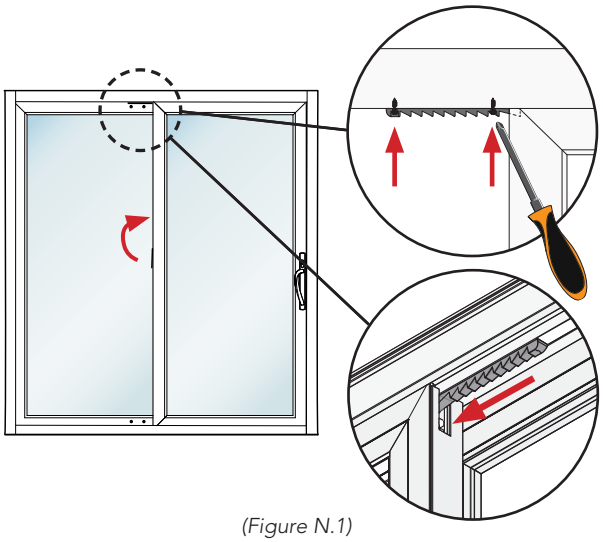


(Figure M.1)

1. From the interior and with the active sash open, insert the weather strip block in the header's center channel. Locate block directly above the interlock. *(Figure M.1)*
2. Secure block using the previously removed screws. Install (1) screw with the sash open. Close the sash to install the opposite screw.
3. Insert the foam plug in the open cavity between the fixed sash and outer cover. Align plug with edge of the fixed sash. *(Figure M.1)*
4. **For 3- and 4-lite units**, install additional weather strip block and foam plug.
5. Verify the interlock weatherstrip connects to the top and bottom weatherstrip blocks.

N. RE-INSTALL ACCUVENT™ BOLT PLATE OR FOOT LOCK

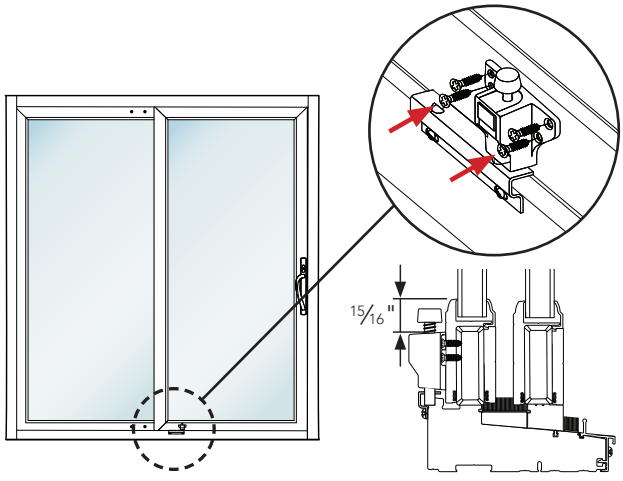
INSTALL ACCUVENT BOLT PLATE



(Figure N.1)

OR

INSTALL FOOT LOCK



(Figure N.2)

1. **To re-install the AccuVent**, close the sash and lock handle. Flip the AccuVent lever into the locked position. Place the bolt plate on the head track and slide plate into the active sash opening until it reaches the AccuVent bolt. Leave a ⅛" clearance between plate and bolt. Re-attach plate using the 1" screws previously removed. *(Figure N.1)*
2. **To re-install the Foot Lock**, close the sash and lock handle. Align the foot lock over the first hole of keeper, closest to latch side. Locate and install lock body a minimum of 15⁄16" below top of the sash rail. Secure lock using the (4) ¾" screws previously removed. *(Figure N.2)*

O. RE-INSTALL SCREEN

1. Re-install screen. Reference Section A for re-attaching screen to roller brackets.

2. If screen adjustment is needed, locate the (3) adjustment screws inside the inner screen track. First, lower the center screw. Adjust the left and right screws until screen is parallel to sash and jamb. Once screen placement is established, align the center screw to match. Each complete turn of the screw will raise or lower the track by 1/32". Turn counter-clockwise to **LOWER** the screen and clockwise to **RAISE** the screen. **DO NOT** remove the adjustment screws.

   NOTE: DO NOT USE a power drill to make adjustments. Doing so will cause excessive torquing of adjustment screws. **ONLY** use a #2 Phillips head screwdriver.

REFERENCES & ADDITIONAL INFO

Please call Customer Support for additional installation inquiries at 1-800-669-4711.

Visit our INSTALLATION SUPPORT HOMEPAGE
by SCANNING or TAPPING the QR code.

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