SERVICE INSTRUCTION

Casement and Awning Sash Replacement

Tools Required:

- Phillips head screwdriver
- Flat-head screwdriver

Supplies Needed:

- Replacement Sash

Note: Remember to work safely while doing any maintenance or repair. This includes wearing safety glasses and using safe work practices. Make sure your work area is unobstructed and clear of window coverings, etc.

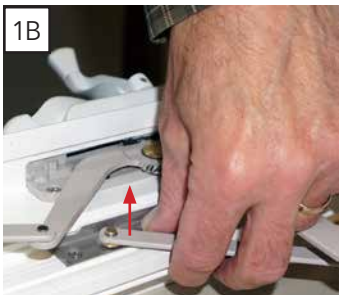
1 Casement Sash Removal:

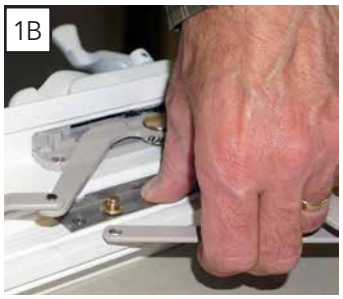
A. Remove the screen by disengaging the screen clips and lifting out of the frame. Unlock sash and open to its fully open position.





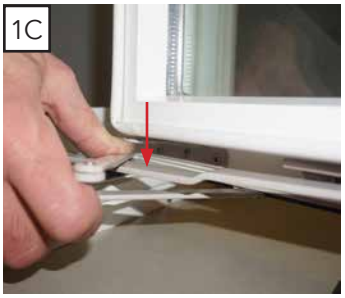
B. Lift the hinge arm up to remove the hinge arm from the stud on the hinge slide.





C. Press down on the arm to remove it from the stud bracket on the sash.







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1 Casement Sash Removal (continued):

D. Pull the operator arm down to remove it from the operator track.





E. Pull the hinge arm down to remove it from the hinge slide stud.





F. Remove the stop attachment screw located in the head hinge slide and then remove the stop.





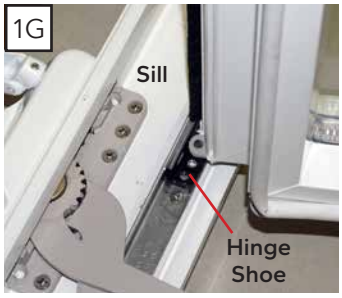


G. While securely holding the sash, slide the sash toward the center of the frame, until the hinge shoes come out of the hinge slides.













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1 Casement Sash Removal (continued):

H. Remove the sash from the frame towards the interior and place it on a smooth, flat, safe surface.







2 Casement Sash Installation:

A. Pass the sash through the frame.







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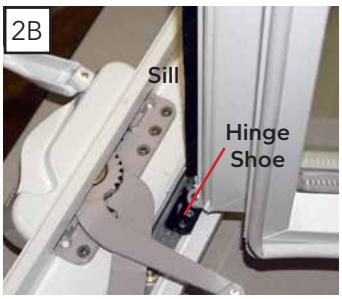
2 Casement Sash Installation (continued):

B. While securely holding the sash, slide the hinge shoes at the head and sill into the hinge slides.





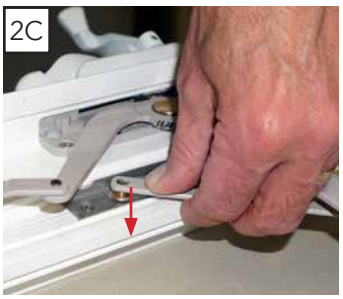








C. Position the hinge arm over the hinge slide stud and press into place over the stud.





D. Press up on the folding arm to attach it to the stud bracket on the sash.





E. Push the arm to install it into the operator track.





2 Casement Sash Installation (continued):

F. Insert the stop into the head hinge slide; insert and tighten the attachment screw.







G. Crank window closed, fold down crank and engage lock.

Install the screen and engage the screen clips.



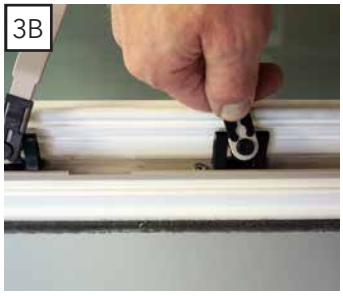


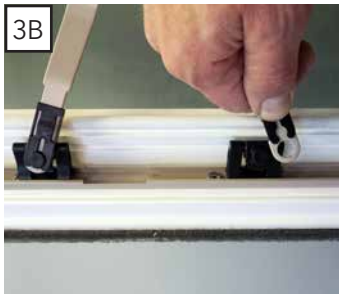
3 Awning Sash Removal:

A. Remove the screen, unlock sash and open to its fully open position.

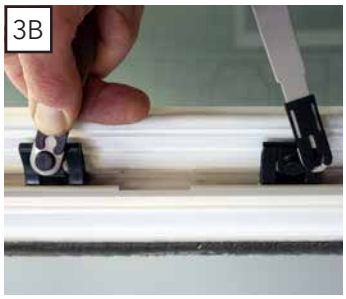
B. Disengage the roto operator arms from the sash by releasing the ends from the operator track slides.











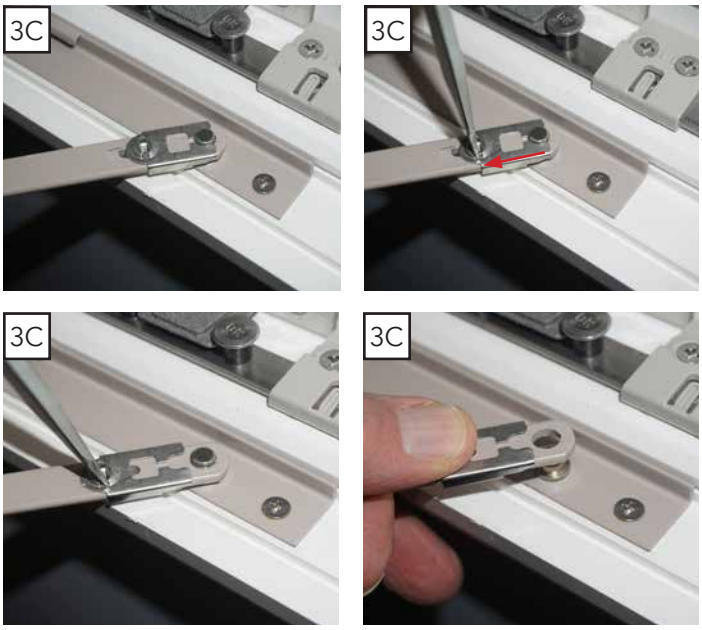


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3 Awning Sash Removal (continued):

C. While securely holding the sash, disengage the hinge arm clip and remove the hinge arm from the hinge slide from each side of the frame.

Tip: Use a flat-blade screwdriver to disengage the clip.



D. While continuing to securely hold the sash, slide the sash down until the hinge shoes come out of the hinge slides.



E. Remove the sash toward the interior.



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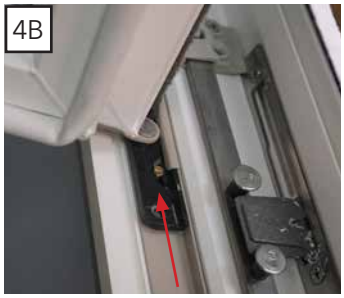
4 Awning Sash Installation:

A. Pass the sash through the frame.



B. While securely holding the sash, slide the hinge shoes at the head and sill into the hinge slides.



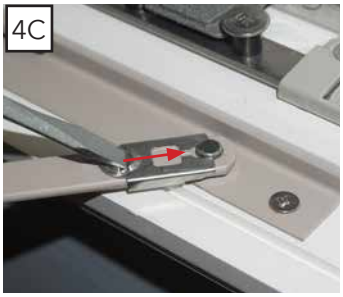


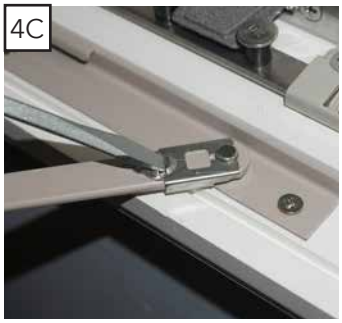


C. While continuing to securely hold the sash, place the hinge arm over the hinge slide stud and engage the hinge arm clip.

Tip: Use a flat-blade screwdriver to engage the clip.





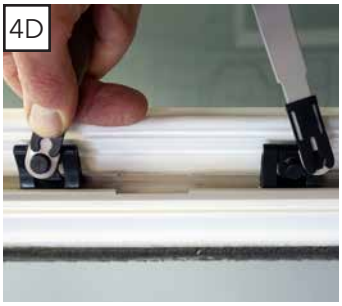




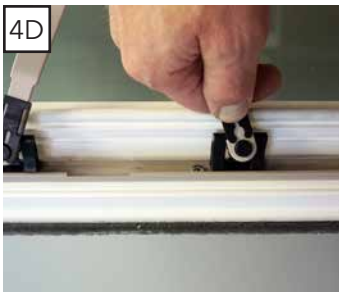
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4 Awning Sash Installation:

D. Engage the roto operator arms to the sash by attaching the ends to the operator track slides.



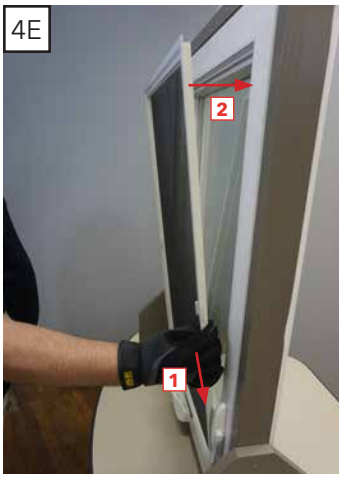






E. Crank window closed, fold down crank and engage lock.

Install the screen and engage the screen clips.





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