

DOUBLE HUNG REPLACEMENT WINDOW INSTALLATION INSTRUCTIONS

PREPARING WINDOW OPENING

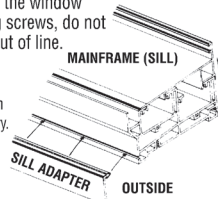
① PREPARING THE WINDOW OPENING –

- Remove the inside trim strips
- Cut bottom (inside) sash balance cord or chain
- Remove bottom (inside) sash panel
- Remove parting beads
- Cut top (outside) sash balance cord or chain
- Remove top (outside) sash panel
- Pound the sash pulleys into the jambs so that the jambs are unobstructed for accepting the replacement window frame
- Clean window thoroughly and caulk or use insulation to fill old holes

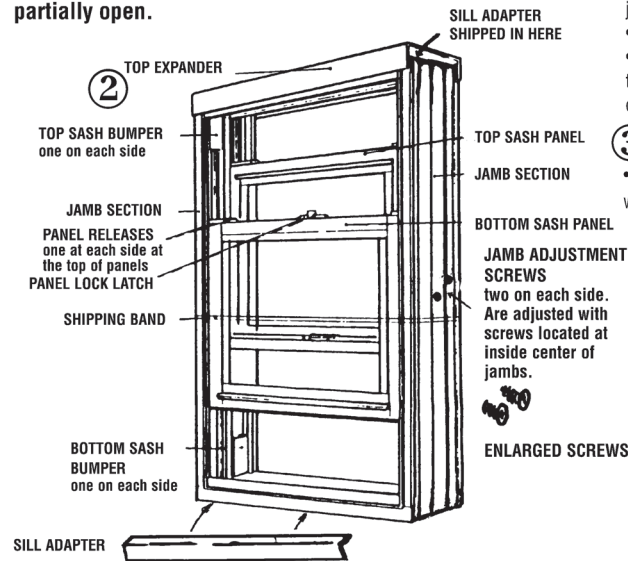
② INSTALLING THE REPLACEMENT WINDOW –

NOTE: Leave the window shipping band on the window throughout the installation. When installing screws, do not over tighten them as it will pull the frame out of line. Tighten screws just snug against the vinyl.

- For sloped sill applications insert sill adapter on outside of window as shown. Trim length if necessary.



INSIDE VIEW OF REPLACEMENT WINDOW—shown with both sash panels partially open.

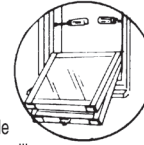


CAUTION:

- USE OF SOLVENTS OR ACIDS WILL DAMAGE COMPONENTS OF THIS PRODUCT AND WILL LIMIT RIGHTS UNDER THE WARRANTY.
- VINYL WINDOWS HAVE PRE-PUNCHED SLOTS FOR INSTALLATION - FASTENING IN ANY OTHER PORTION MAY PERMANENTLY DAMAGE UNIT WHICH WILL LIMIT RIGHTS UNDER THE WARRANTY.
- IT IS THE SOLE RESPONSIBILITY OF THE OWNER, ARCHITECT, AND/OR BUILDER TO SELECT CORRECT PRODUCTS TO BE IN COMPLIANCE WITH APPLICABLE LAWS, SITE REQUIREMENTS AND BUILDING CODES AND TO ENSURE THAT INSTALLATION IS IN COMPLIANCE WITH APPLICABLE LAWS, SITE REQUIREMENTS AND BUILDING CODES.
- DO NOT STORE IN THE SUN OR LAY FLAT BEFORE OR DURING INSTALLATION.
- ANY PENETRATIONS (e.g. ALARM SENSORS) MADE THROUGH ANY PORTION OF ANY XACT PRODUCT MAY AFFECT RIGHTS UNDER THE MANUFACTURER'S WARRANTY.
- SOME LAWS AND BUILDING CODES REQUIRE SAFETY GLASS. THE ORDERING PARTY IS RESPONSIBLE TO SPECIFY SAFETY GLASS AND ENSURE COMPLIANCE WITH LOCAL LAWS AND BUILDING CODES.

These installation instructions are provided for information only; no representation and warranty is made that these instructions set forth all of the information necessary for proper installation of the product. Given the variety of field conditions, primary responsibility for product installation rests with the installer. Do not proceed unless you have addressed the factors necessary to achieve weather-tight installation of a properly functioning product. MI Windows and Doors, Inc. assumes no liability for any personal injury or property damage incurred in installation. These instructions, together with the product specifications and warranty set forth the entire liability of MI Windows and Doors, Inc. with regard to the product.

- Temporarily hold the window in the opening to determine whether or not the expander channel is needed. If window fits snugly enough, top to bottom, the top expander may be removed before installation or trimmed for a better fit.
- Apply a liberal caulking bead along the inside of the blind stop at the top and both sides where the window frame will make contact. Also apply caulking beneath the sill angle.
- Position the window into the opening. Determine if any wood shims are needed to keep the window plumb, square and centered in the opening.
- Raise the bottom sash and the two sash bumper stops. Install a screw into the jambs at each side of the bottom of window. Make screws snug not too tight.
- Lower the top sash and the two sash bumper stops at the top. Install a screw into the jambs at each side of the top of the window. Make screws snug not too tight.
- THE WINDOW MUST BE CENTERED AND SQAURED IN THE OPENING! Check to be sure window frame is square and adjust installation screws if necessary.
- Clear the center of the window for adjusting the adjustment screws located there. Slide the shipping band above the center of the window and tilt both panels into the home. Do not remove these panels during the adjusting operation as they will help maintain proper spacing between jambs.



- The jamb adjustment screws are located at the middle on the outside and inside sash tracks on both sides of the window. Turning the screws in a clockwise direction will cause the jambs middles to "pull" toward the center of window. This adjustment is necessary to give a close and even alignment between the sides of panels and the jambs, to assure proper panel operation. The distance between the operating panels and the jambs of the window should not exceed 1/16". After making partial adjustment, replace the panels, operate the sash and visually judge their alignment with the jambs.
- Adjustment may have to be made several times until satisfactory performance is achieved. Adjustments can also be made by loosening and tightening the previously installed jamb screws.
- In extreme cases the old window opening might be badly "bowed." If the adjustments do not solve this problem, wood shims will have to be used between the rough opening and the replacement window jambs.
- Now, cut and remove the shipping strap.
- If the top expander channel is used, adjust it up against the rough opening. Install it there, with three white aluminum screws, thru the leg of the channel into the aluminum window frame. This can be done from either inside or from outside.

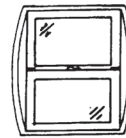
③ Caulk and Replace the Trims –

- Caulk around the entire perimeter of the window on the outside. Go back to sill adapter and seal it with caulk. Caulk around the entire perimeter of the window on the inside.

POTENTIAL PROBLEMS



CASE 1.
PROBLEM: Improper seal at corners. Lower sash may not tilt inward.
CAUSE: Center of window too tight.
REMEDY: Turn jamb adjustment screws counterclockwise and/or adjust other installation screws.



CASE 2.
PROBLEM: Improper seal at corners.
CAUSE: Center of window too loose.
REMEDY: Turn jamb adjustment screws clockwise and/or adjust other installation screws.



CASE 3.
PROBLEM: Improper seal evident at corner(s), sash lock(s) may be difficult to close.
CAUSE: Window is out of square.
REMEDY: Adjust installation screws and jamb adjustment screws as necessary. Shim if needed.