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## Installation Guidelines for all Quaker AdvantEdge Replacement Products.

Read these instructions completely before starting any installation. Failure to install and maintain our product according to these instructions may void any product warranty. Please visit our website at [www.quakerwindows.com](http://www.quakerwindows.com) or call 1-800-347-0438 for additional information.

### Tools required by installer:

Safety Glasses		Utility Knife	
Drill/Driver		Caulk Gun	
Level		Tape Measure	
Hammer		Pliers	
Putty knife		Pry bar	

### Materials required by installer:

Foam Backer Rod		Minimally Expanding Foam	
Shims (Waterproof)		Sealant	
Fasteners		IPA Alcohol	

## WARNING

### Tools

- Follow manufacturer's instructions for safe operation of tools, and ladders/scaffolding. Always wear safety glasses. Failure to do so could result in injury, product or property damage.

### Handling

- Do not store units outside, or in a hot environment. Doing so could result in product damage.
- Do not carry flat.** Doing so could result in product damage, injury, or property damage.
- Stack units as straight as possible to avoid bowing. **Do not lay flat!**

### Glass

- If broken, glass can fragment causing injury. All Quaker products are available with safety glass. In many areas, local building codes require safety glass in certain locations and/or applications. Unless safety glass is ordered, Quaker windows are not provided with safety glass. Before ordering, consult your local building codes for more definitive information.

### Fastening

- Metal fasteners and components could corrode when used with preservative-treated lumber. Use approved fasteners and components to fasten window or door. Failure to do so could cause a failure resulting in injury, product or property damage.
- Fastener must attach to a structural framing member with 1 1/2" minimum fastener embedment, or minimum 3 full threads with a minimum 5/16" head as products were tested with.
- Quaker does not supply anchorage/fastener calculations, and is not responsible for determining structural adequacy of the anchorage and fasteners used to install our products, or the openings into which they are installed.**
- Do not** over drive screws or nails. Doing so could result in product damage.

**CAUTION****Installation**

- Always support window or door in opening until fully fastened. Failure to do so could result in the window or door falling out or causing injury, product, or property damage.
- Nailing flanges and drip caps (integral or applied) **do not** take the place of window flashing. All windows and doors must be properly flashed and sealed with material compatible sealant for protection against water and air infiltration around the entire perimeter. Failure to do so could result in product or property damage.
- **Do not** set window directly on sill plate. Place shims under the side jambs. Window or door must be properly shimmed. Failure to do so could affect operation and product performance and could result in product damage.
- Live or dead loads transferred into our product can affect functionality, damage frame joinery or cause glass failures. Dead loads such as upper levels, roof, etc. Should be constructed before window or door is installed.
- Loads shall be designed to withstand the most critical effects of load factors and load combinations as required by the building code. (Loads are including but not limited to Live, Dead, Collateral, Auxiliary, Thermally induced, Seismic, etc.)
- Maximum vertical deflection of the header under all Load combination should not exceed the Span/720 or 1/4" whichever is less.
- Windows and doors have small parts. Small parts if swallowed could pose a choking hazard to young children. Dispose of unused, loose, or easily removed small parts. Failure to do so could result in injury.
- **Do not** drill through or into window sill to install alarm wires.

**Sealing**

- Follow instructions of foam, sealant, and flashing manufacturers regarding safety, material application, compatibility, and periodic maintenance for continued weather resistance of their products. Failure to do so could result in product or property damage. **DO NOT** overfill between the frame and opening.
- Minimally expanding foam insulation must be compliant with AAMA 812-19.
- Quaker recommends 100% silicone (ASTM C920 compliant) neutral cure only sealant. Always clean all areas where sealant will be applied. Failure to do so could result in product or property damage.
- Flashing tape must meet ASTM-D779 performance requirements.
- Maintain a minimum of 1/4" between the window or door frame and exterior finish materials. Failure to do so could result in product or property damage.

**Joining**

- Do not join any window or door to any window or door not designed for joining. Joined windows and doors must be individually supported in the opening. Failure to do so could affect operation and product performance and could result in product or property damage.

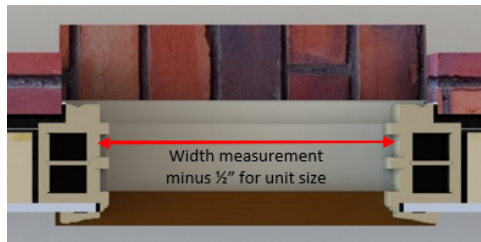
**Cleaning**

- Acid solutions used for cleaning will damage glass, fasteners, hardware, and metal flashing. Protect these products and follow cleaning products manufacturers instructions. If acid contacts the window or door, wash all surfaces immediately with clean water.
- **Do not** use razor blades to clean glass surface. Glass damage could result.
- Clean glass using liquid glass cleaner.
- Clean frame, sash, panels, and insect screens using mild detergent and warm water with a soft cloth or brush.

**IMPORTANT**

- Buildings constructed prior to 1978 could contain lead paint which could be disturbed during window or door replacement. For more information on proper management of lead paint, go to: [www.epa.gov/lead](http://www.epa.gov/lead)
- Care must be taken to properly recycle or dispose of old materials. Any recyclable materials should be separated from non-recyclable or hazardous materials. Please consult with local or state authorities regarding proper disposal of non-recyclable or hazardous materials.
- These are generic instructions intended to cover most common situations, which may not be appropriate for all installations due to building design, construction materials, or methods used and/or building or site conditions. Consult a contractor or architect for recommendations.
- Inspect all units for any damage or defects prior to installation. Contact the nearest Quaker distributor if there are any problems.

1



**Note:** Take measurements at three locations (head, middle, sill for width and left, center, right for height). Use the smallest of the three measurements to ensure the unit can be installed square, level, and plumb.

Remove all shipping packaging material (blocks, pads, protectors, stretch wrap) and dispose/recycle properly. Inspect unit for any damage or defects, and make sure the unit operates properly. Verify that the window unit is the correct size and configuration.

2



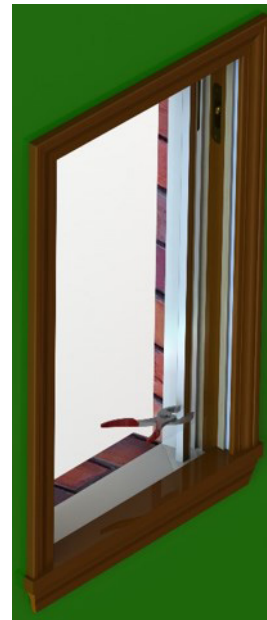
Unlock the window. If the sashes are painted shut, use a utility knife to cut the joint between the sashes and frame stops until the sashes are free. Score paint or varnish along all interior sash stops with a sharp utility knife. Remove interior sash stops at jamb and head using putty knife and pry bar. Be careful when removing stops so you can reuse them after replacement window is installed.

3



Cut the balance cords on the bottom sash and remove the sash and dispose of it properly. Allow weights to fall to the bottom of the weight pockets.

4



Remove the jamb and head parting stops (if applicable) by pulling or prying them out of the frame.

5



Lower the top sash and cut the balance cords. Remove the top sash and dispose of it properly. Remove the balance chord pulleys. Remove any remaining jamb liner material (if applicable). Insulate the weight pockets and any openings or voids.

6



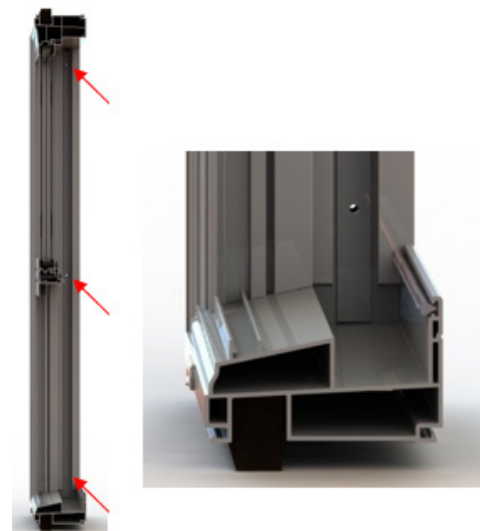
Inspect the existing window frame. Repair or replace any deteriorated parts. Clean the opening of all dirt, debris or excess paint. Note: If using aluminum coil exterior trim, apply it to the sill now. Apply flashing tape to the sill. Cut one piece of tape 12" longer than the sill to allow for 6" up each side jamb. Extend the tape up the vertical leg of the stool and trim tape going up the jamb. Make sure the tape doesn't extend past the exterior blind stop, and lap the tape over any coil trim at the sill.

7



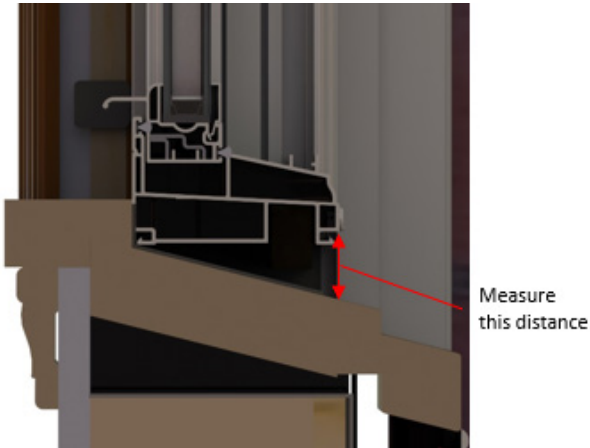
Check the sill for level or for bowing and shim as needed to level sill. Place shims about 1/2" from each side and in center with minimum spacing of 16". Attach shims to prevent movement after they are level.

8



Drill pilot holes (if necessary) in the new window frame. Plan ahead for all holes especially the top of jamb. Make sure top pilot hole will not be in the same locations as the weight pulleys. Use a 1/8" drill, and minimum of 3 holes per jamb. Place holes in center of inside balancer track minimum of 3" from corners, and one in center of the check rail. Tilt the bottom sash in or remove it to place the center pilot hole.

9



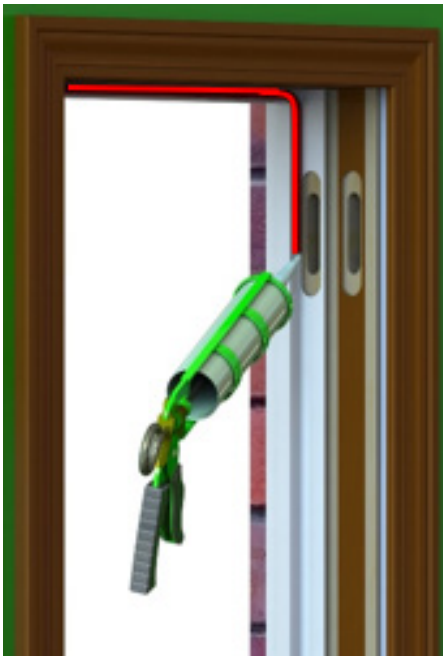
Dry fit the window in the opening. Measure the distance from the bottom of the window to the existing sill. Remove the window from the opening.

10



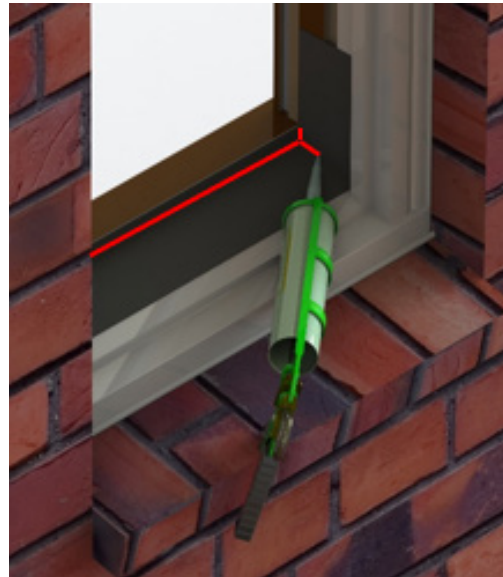
Cut the sill adapter to the correct height. Use a sharp utility knife to score the sill adapter along the groove. Bend and break off the excess sill adapter material and install on window. Install head expander (if necessary) at this time.

11



Apply a continuous bead of sealant to the interior face of the exterior blind stops at the head and both jambs.

12



Place a bead of sealant where the existing stool meets the existing window sill. Insert window into the opening. Set the bottom of the window in first and tilt top into place. Make sure the window is centered in opening and press firmly against sealant on blind stops.



13




Place a shim at each of the pilot hole locations, and insert a screw into one top corner to hold window in place. Remove sash stop at head of window and replace when screws are tightened. Note: When installing all installation screws make sure to tighten screw so the screw head is flush or slightly dimpled in so screw doesn't interfere with balance shoe.

14



Check for plumb, level, square and window operation. Make any necessary adjustments to shims and finish installing frame screws. Raise bottom sash to install bottom screws, and tilt bottom sash in to install center screws.

 When installing all installation screws make sure to tighten screw so the screw head is flush or slightly dimpled in so screw doesn't interfere with balance shoe.

14



Insulate between the window frame and the rough opening using minimally expanding window and door spray foam or fiberglass insulation. Operate window unit to ensure proper operation. Sash will not operate correctly if window is out of square, over-shimmed or over-insulated. Allow foam to fully cure before installing interior trim. Install interior stops that were removed earlier or cut new stops.

15



If total frame replacement in brick or siding was performed maintain a minimum of  $\frac{1}{4}$ " between the window frame, trim, siding, or masonry. Apply backer rod (if needed) and a continuous bead of sealant between the window frame and exterior finish material on all four sides of unit. Make sure to clean all surfaces before applying sealant (some surfaces may need to be primed so check with sealant supplier).



QWP part # IG=025

# Installation Guidelines

## For All Quaker Classic Fit Replacement Products

If this set of instructions doesn't match your installation method or wall conditions please check our website listed below for other options, or call the office.

Scan here for a digital version of these guidelines in English



Or go to: <https://www.quakerresidentialwindows.com/professionals/installation-instructions/>

Scan here for a digital version of these guidelines in Spanish



Or go to: <https://www.quakerresidentialwindows.com/professionals/installation-instructions-spanish/>

