

# Awning installation (Interior)



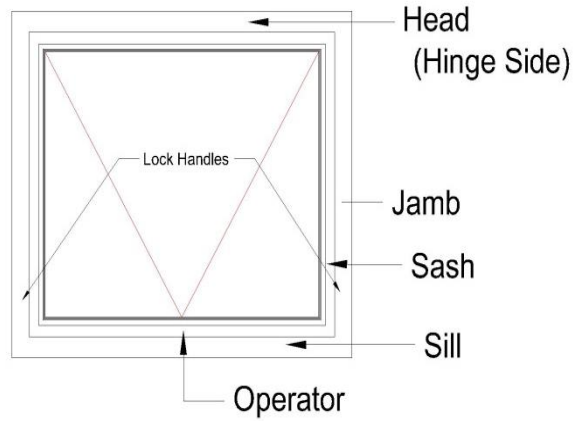
## Tools: (Not Provided by Manufacturer)

- Tape Measure
- Utility Knife
- Drill
- Caulk Gun
- Level
- Hammer
- Putty Knife
- Safety Glasses
- Pry bar
- Small/Large Flat head screw driver
- Square
- Wood (to be used as exterior stops)
- Foam Gun (Optional)

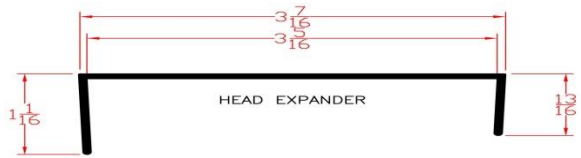
## Supplies: (Not Provided by Manufacturer)

- Sealant
- Low expanding foam/Loose insulation
- Drop Cloth
- Non bio degradable shims
- Backer Rod

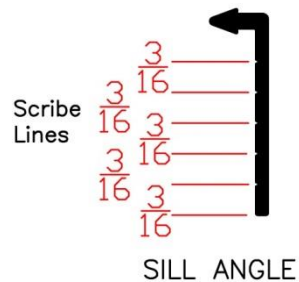
**Fig. 0-1**



**Fig. 0-2**



**Fig. 0-3**



**! WARNING**

Installer is responsible for following any local/Federal laws pertaining to the disturbance or removal of lead based paint or varnish. For general guidelines pertaining to lead removal go to [www.epa.gov/lead](http://www.epa.gov/lead)

**! WARNING**

Windows should never be stored in direct sunlight when still in packaging. Be sure to store windows in a dry shaded area prior to installation.

**! WARNING**

Installer is responsible for proper disposal or recycling of all job site materials. Check your state and local laws for proper procedures for disposal and recycling of site waste.

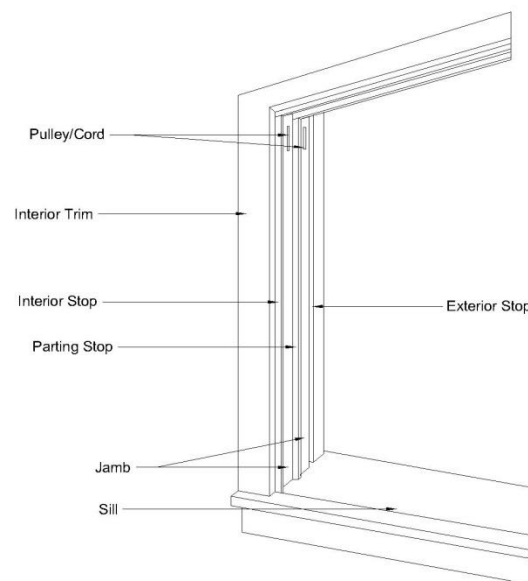
## Step One: *Prepping the work area*

- Before beginning the installation, check window measurements of both the window opening and the new replacement window to make sure that the proper size was ordered and manufactured for that opening.
- Note should be taken of any materials that may need to be repaired or replaced prior to the installation of the replacement window.
- Any household items that are blocking the window or that could potentially become damaged during the window project should be removed. Items hanging from the wall or sitting on shelves may need to be removed.
- Protective coverings such as a drop cloths or plastic sheeting should be used to cover the floor and furnishings at and near the work area.

## Step Two: *Removing stops and sash* (use fig 2-1)

- Using a utility knife, score the paint around the interior stops and remove the stops. These stops may be reused if not damaged.
- Next cut the left and right pulley cord. This should free the bottom/lock sash from the frame for removal.
- Remove the parting stops that sit between the bottom/lock sash channel and the top/keeper sash channel. These are not going to be reused.
- Pull down on the top sash and cut both the left and right side pulley cords to release the sash.
- Remove the pulley system at the top left and right of the jambs. The weight pocket cavity left by the pulley system should be insulated.

Fig. 2-1



## Step Three: *Prep the opening*

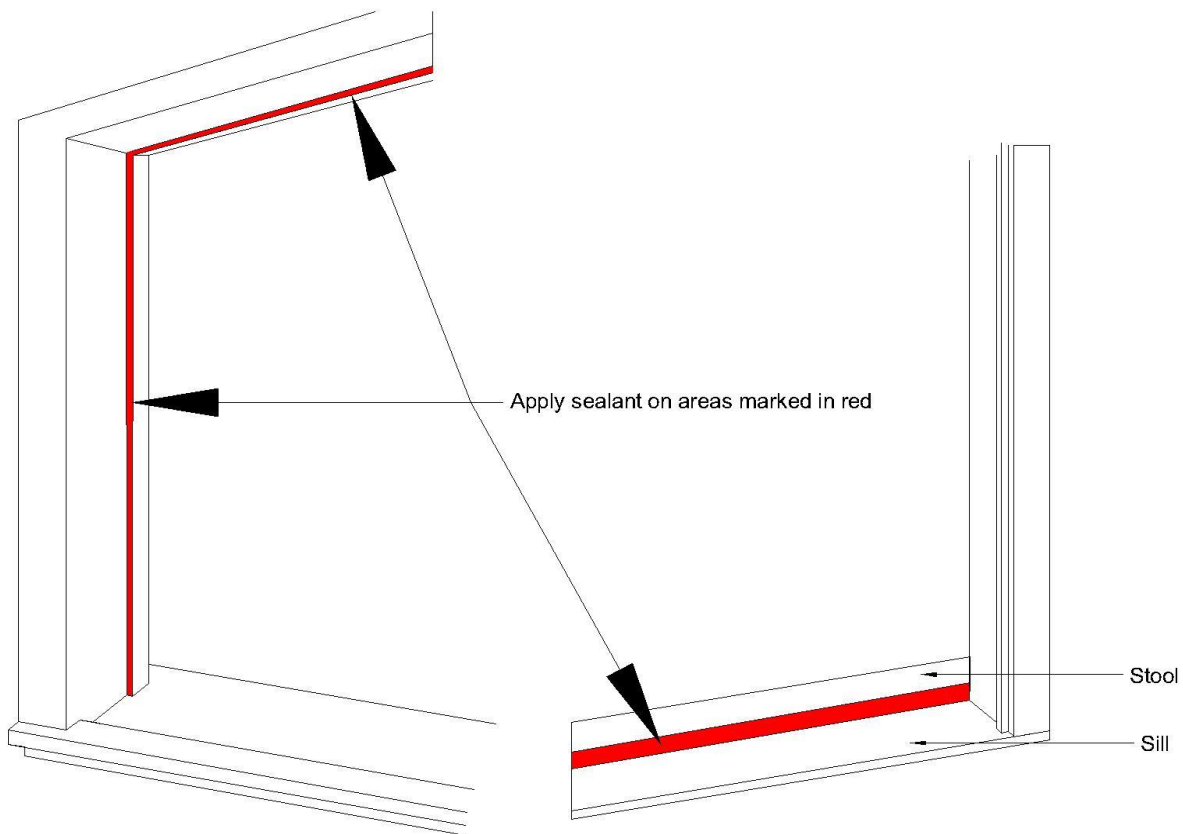
- Clean all debris from the opening.
- Any rotted or damaged materials in the opening must be replaced or repaired.
- Remove packaging from the replacement window making sure not to cut or damage the window or screen.
- Remove the screen the screen from the window frame and set aside for reinstallation later.

- A dry fit should be performed to make sure that your new replacement window will fit properly and that there is adequate room for any adjustments that may be needed due to the opening being out of square, level or plumb.
- Measure for proper sill angle height and cut sill angle.
- At this time check to see if a head expander will be necessary and check the sill angle for proper fit.

***\*If a head expander is needed, insulation should be place between the head expander and head of the window. Head expanders are used to fill the space between the new replacement window and the head of the existing window frame.***

- Remove replacement window and attach sill angle and/or head expander if needed.
- Sealant must be applied to the interior position of the exterior stops and the exterior portion of the stool.(fig 3-1)

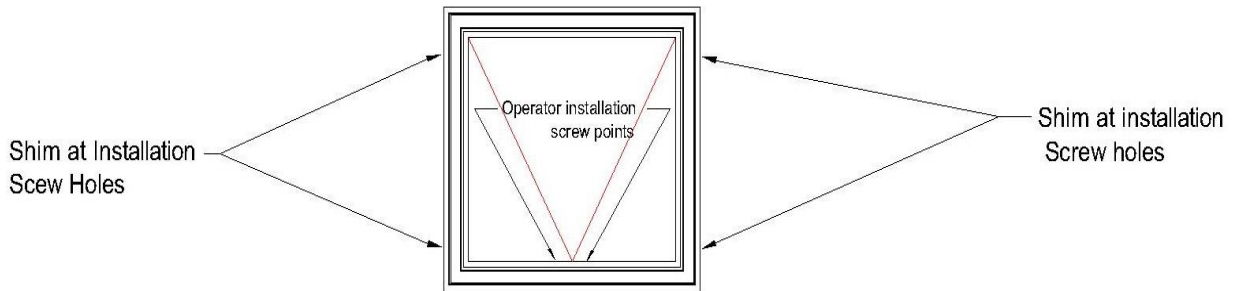
Fig. 3-1



#### Step Four: *Installation (use figure 4-1)*

- The replacement window should be inserted into the opening bottom first, tilting the top out, then inward, making sure that the window is evenly seated in the sealant on the exterior stops.
- Shim should be applied at all screw points making sure not to twist, bow, or distort the window frame.

Fig. 4-1

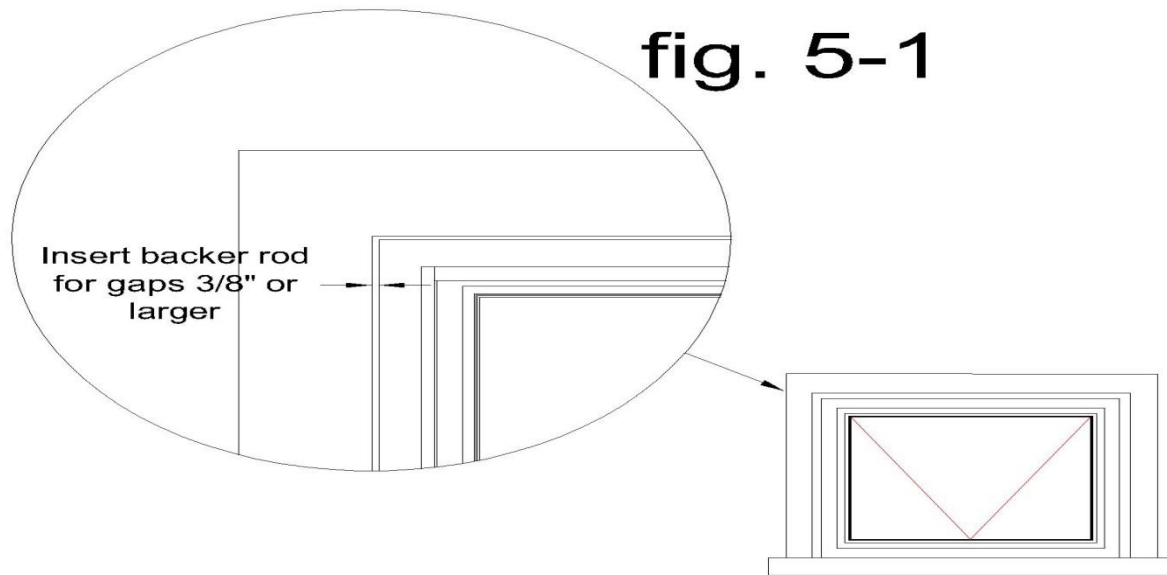


- The window should be checked for square, level and plumb. Shims should be adjusted accordingly.
- The window must be secured using the provided installation screws in the pre-drilled screw holes leaving all screws loose to allow for adjustment.
- Check the window for square after tightening each installation screw. Screws should be far enough into the predrilled screw holes to allow the screw cap cover to be installed and out of the way of any moving parts.
- The awning window sill must be secured by using an installation screw through an unused screw hole in the crank assembly, being careful not to twist, bow or distort the sill.
- Operate the sash making sure that it opens and closes correctly, that all locks function smoothly, and that all sight lines are even.

#### Step Five: *Finishing interior*

- Gaps around the perimeter of the windows should have a layer of low expansion spray foam added (refer to the spray foam manufacturer's instruction on the use of their product) or fiberglass insulation may be used. Insulation must not twist bow or distort the new replacement window frame.
- A bead of sealant must be placed around the interior perimeter of the window. Any gaps larger than 3/8" will need to be filled using backer rod before a sealant is applied. (fig. 5-1)

fig. 5-1



- New interior stops or the previously removed interior stops (do not use if damaged) must be reinstalled.
- Inspect the joint between the new replacement window and interior stops/stool. Remove any excess sealant and fill any voids. If needed sealant may be applied around the interior where the interior stops/stool meet the new replacement window.

### Step Six: *Finishing exterior*

- If no exterior capping is being applied, inspect the joint between the new replacement window and exterior stops. Remove any excess sealant and fill any voids. If needed sealant may be applied where the exterior stops meet the frame of the new window.
- If a sill angle is used, sealant should be applied where the sill angle meets the previously existing sill.
- Two 3/8" gaps may be left in the sealant where the sill angle meets the previously existing sill, and the sill may remain uninsulated, if a "drainage system" is desired (per ASTM E2112).
- If capping the exterior trim, sealant should be applied where the capping meets the new replacement window.
- Reinstall screen.

**NOTE:** There are many variations of install that may be encountered when replacing windows. One conventional replacement scenario is described in these instructions. For questions on appropriate installation procedures, refer to your GENERAL CONTRACTOR, LOCAL and STATE BUILDING CODES, ARCHITECTURAL SPECIFICATIONS, and ASTM E2112.