# Fixed Panel Replacement for Hinged Patio Door

SERVICE INSTRUCTION

**These instructions apply to:**

Pella® Front Doors – Clad Wood (CFD01, CFD02) 2026 - Current
Pella® Lifestyle Series Dual-Pane 04/2019 - Current
Pella® Lifestyle Series Triple-Pane 04/2019 - Current
Pella® Reserve 2017 - Current
Architect Series® 2/2011 - 04/2024
Designer Series® 5/2013 - 03/2019
Pella® 450 Series 5/2015 - 12/2018

**Tools Required:**

- Stiff blade putty knife or small pry bar, plan on 1 per panel
- Pencil
- Flashlight
- Staple gun with 1/2" long staples
- Hammer
- Straight blade screwdriver
- Brush or broom
- Reciprocating saw
- Suction cup(s)
- Utility knife
- Stiff blade putty knife

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**Note:** This procedure does not apply to the fixed panel on AF or FA doors.

**⚠ CAUTION**

Weight and size of panel may require two or more persons during removal and replacement process.

**⚠ CAUTION**

Adequate personal safety equipment should be worn during all replacement operations.

**Note:** Protect the frame from possible damage in the replacement process. Painters tape or other materials can be used to protect finish and materials of the door.

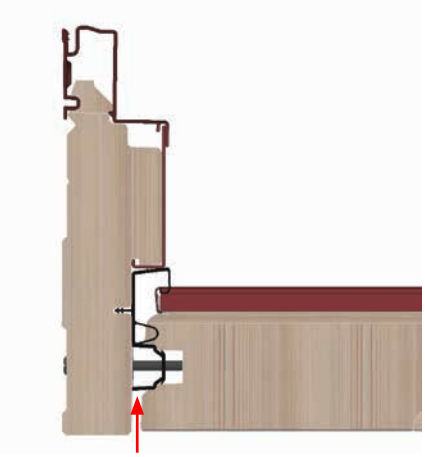
# 1 In-Swing Fixed Panel Removal:

**Note:** Locate the panel installation screws based on the door vintage.

**Pella Front Doors Clad Wood (CFD01, CFD02) 2026 - Current,**
**Pella Lifestyle Series Dual-Pane & Triple-Pane 04/2019 - Current,**
**Pella Reserve 2017 - Current,**
**Architect Series 5/2013 - 04/2024,**
**Designer Series 5/2013 - 03/2019,**
**Pella 450 Series 5/2015 - 12/2018:**

A. **Cut off the interior side leg of the spacer in the panel eurogroove.** With the spacer leg removed, look between the panel and the frame to locate each screw, place a pencil mark on the panel at each screw location.

   **Optional screw location methods:** Locate attaching fasteners (screws) by using a magnetic locator (stud finder); mark the location of fastener at each point on the panel. Or push a putty knife in past the spacer to reveal and find each screw.

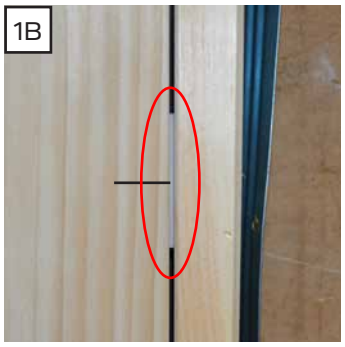


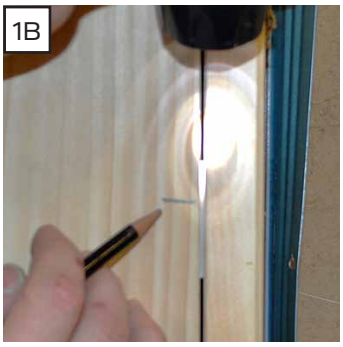
Cut interior leg of spacer.

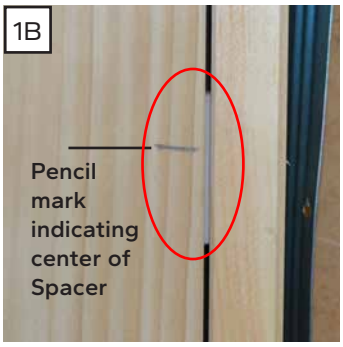
# 1 In-Swing Fixed Panel Removal (continued):

**Architect Series 02/2011 - 5/2013**

B. **Locate the panel installation screws.** From the interior, locate the screws around the panel at the head and jambs. The installation screw locations may be determined by locating the spacer which is between the panel and the frame. A flashlight may be used to shine light between the panel and frame to locate the spacers. Place a pencil mark on the panel indicating the center of each spacer.




C. **Cut the panel installation screws** at the head and jambs using either a hammer and stiff putty knife, hammer and small pry bar or a reciprocating saw.

**Note:** One putty knife or pry bar should be used to cut the screws on one panel and will need to be replaced. Use a reciprocating saw carefully so as to not damage the frame or weatherstrip.




Hammer and Stiff Putty Knife



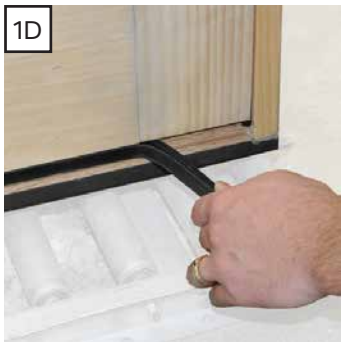

Hammer and Small Pry Bar




Reciprocating Saw

D. **Remove bottom panel weatherstrip.** Use a straight blade screwdriver to pull down one end of the weatherstrip out of the kerf; pull weatherstrip from bottom of panel to expose spacers on the bottom of the panel and the panel installation screws at the sill.



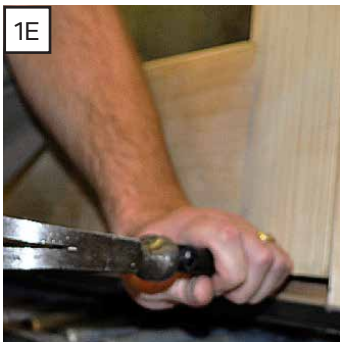






# 1 In-Swing Fixed Panel Removal (continued):

E. **Cut the sill panel installation screws.** Use either a hammer and stiff putty knife, hammer and small pry bar or a reciprocating saw to cut the panel installation screws at the sill.







F. **Remove the panel.** Use a pry bar at the top of the panel to pry the panel to begin removal from the frame. Tilt the panel and pull it out of the frame. Depending on the size of the panel, two people may be needed to safely handle the panel. Dispose of panel properly.

**Note:** Suction cups may also be use to pull the panel from the frame.

**⚠ CAUTION**

Panel may be heavy.













G. **Clean up the sill.** Use a hammer to drive the remnants of the cut screws flush with the sill. Clean the sill using a broom or brush.









# 1 In-Swing Fixed Panel Removal (continued):

H. **Architect Series 02/2011 - 5/2013 only:** Remove head and jamb spacers. Use a stiff putty knife to pry the spacers from the frame head and jambs.







I. **Tap screws flush with frame.** Use a hammer to drive the remnants of the cut screws flush with frame on the head and jambs.





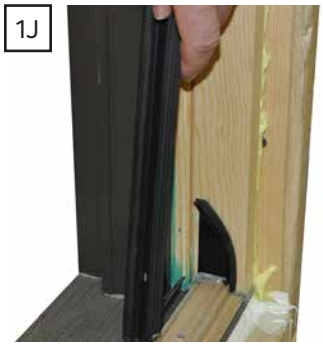


J. **Remove each jamb weatherstrip.** Inspect the weatherstrip, if any was damaged by use of a reciprocating saw, the damaged pieces must be replaced prior to installing replacement fixed panel. Use a stiff putty knife to pry the jamb frame weatherstrip from the kerf in the frame.



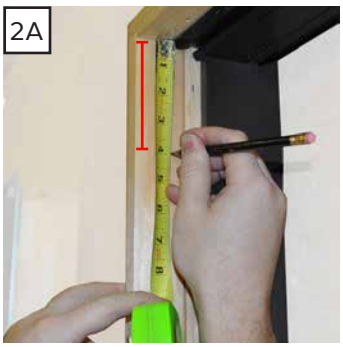


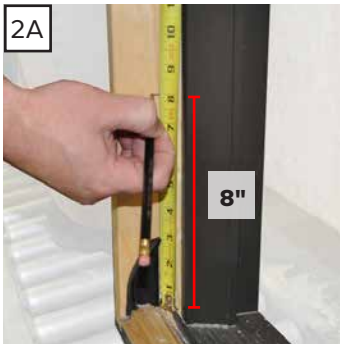





# 2 In-Swing Fixed Panel Installation:

A. **Mark clip locations on the frame.** Measure down 4" from the head on each jamb and place a pencil mark next to the weatherstrip kerf. Measure up 8" from the sill on each jamb and place a pencil mark next to the weatherstrip kerf. These marks will be used to correctly position the fixed panel clips.



# 2 In-Swing Fixed Panel Installation (continued):

B. **Install the panel clips.** Place the top of each top panel clip on the pencil mark and install the clip with the provided screws. Place the top of each bottom clip on the pencil mark and install the clip with the provided screws. Install the remaining clips for each jamb evenly spaced between the top and bottom clip on the jamb.

**Note:** Position clips next to frame weatherstrip kerf, leaving clearance for the weatherstrip to be inserted.







C. **Re-install jamb weatherstrip.** Insert the weatherstrip into the kerf in the frame in the same orientation as removed and press into place along the length of the weatherstrip.










D. **Staple weatherstrip.** Insert one staple into each end of weatherstrip.



# 2 In-Swing Fixed Panel Installation (continued):

E. **Install fixed panel.** Use suctions cups on the glass to lift panel. With the top of the panel tipped to the interior, set the panel bottom on the sill making sure the panel is centered in the frame and each side of the panel contacts the jamb weatherstrip. Tilt the panel up into the frame. Push firmly on both panel stiles to engage each clip into the grooves on the panel edges.










**⚠ CAUTION**

Panel may be heavy.






# 2 In-Swing Fixed Panel Installation (continued):

F. **Test to make sure clips securely in place.** From the exterior side, press on the fixed panel at each of the clip locations to make sure the panel clips are all engaged. If needed, from the interior push on the panel again to engage the clips.




# 3 Out-Swing Fixed Panel Removal:

A. **Locate the panel installation screws.** From the exterior, measure up the jamb 13-1/2" from the sill and place a mark on the panel stile cladding. From the first mark, measure up every 9" on center and place another mark up the length of the door panel. Repeat the measurements on the other jamb.

**Alternate method for locating panel installation screws:** From the exterior, run a thin putty knife between the panel and frame, mark the locations on the panel.

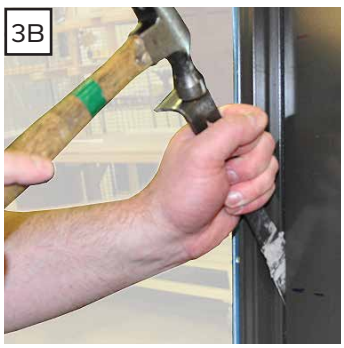






B. **Cut the panel installation screws** at the head and jambs using either a hammer and stiff putty knife, hammer and small pry bar or a reciprocating saw.

**Note:** One putty knife or pry bar should be used to cut the screws on one panel and will need to be replaced. Use a reciprocating saw carefully so as to NOT damage the frame cladding.




**Hammer and Small Pry Bar**




**Reciprocating Saw**

# 3 Out-Swing Fixed Panel Removal (continued):

C. **Remove the fixed panel.** Place a suction cup on the glass, pull the panel out of the frame. The sill panel installation screws at the bottom of the panel will either break off or pull out from the sill when the panel is tilted outward. To help break the screws, tilt the panel back up and down again a few times. When the screws either break off or pull through the sill, the panel may be removed.

**⚠ CAUTION**

Panel may be heavy.





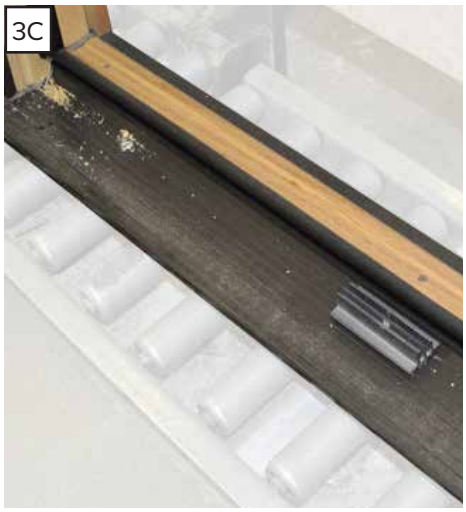










# 3 Out-Swing Fixed Panel Removal (continued):

D. **Save the sill spacers for re-use** with the replacement panel. The sill spacers will be on the sill or the bottom of the panel just removed.



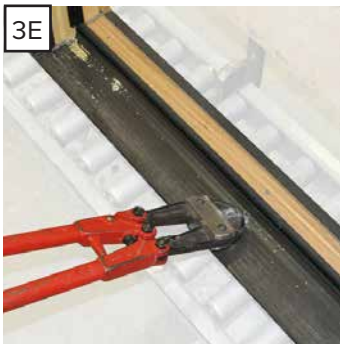




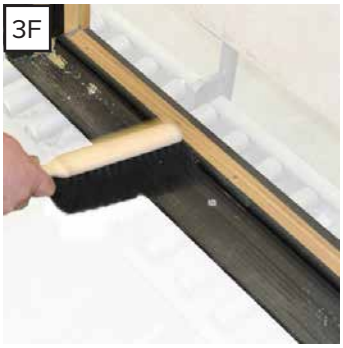
E. **Remove sill screws.** Make sure all the sill screws are cut or driven back flush with the sill. Protruding screws may be cut with a bolt cutter

Drive all screws in head and jambs flush with frame.




F. **Clean debris off sill.** Use a broom or brush to clean the sill




G. **Remove jamb weatherstrip.** Inspect the weatherstrip, if any was damaged by use of a reciprocating saw, the damaged pieces must be replaced prior to installing replacement fixed panel. Use a stiff putty knife to pry the jamb frame weatherstrip from the kerf in the frame.

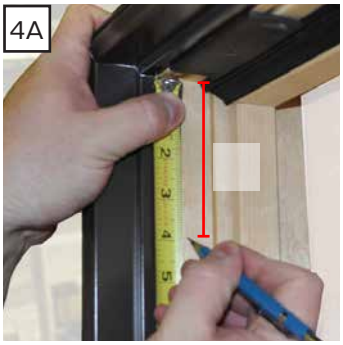


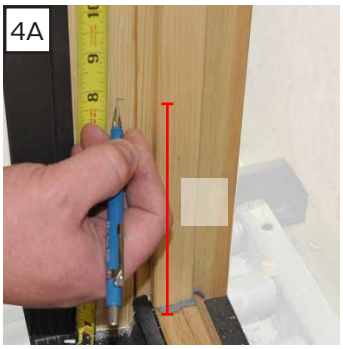



# 4 Out-Swing Fixed Panel Installation:

A. **Mark clip locations on the frame.** Measure down 4" from the head on each jamb and place a pencil mark next to the weatherstrip kerf. Measure up 8" from the sill on each jamb and place a pencil mark next to the weatherstrip kerf. These marks will be used to correctly position the fixed panel clips.

**Note:** Position clips next to frame weatherstrip kerf, leaving clearance for the weatherstrip to be inserted.




B. **Install the panel clips.** Place the top of each top panel clip on the pencil mark and install the clip with the provided screws. Place the top of each bottom clip on the pencil mark and install the clip with the provided screws. Install the remaining clips for each jamb evenly spaced between the top and bottom clip on the jamb.

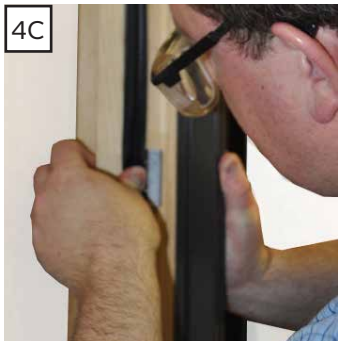






C. **Install the jamb frame weatherstrip.** Insert the weatherstrip into the kerf in the frame in the same orientation as removed and press into place along the length of the weatherstrip.







D. **Measure clip locations.** From the top of the jamb, measure the clip locations (top and bottom of each clip) on both jambs. Transfer the measurements to the edge of the panel along the edge of the panel groove closest to the interior of the panel.

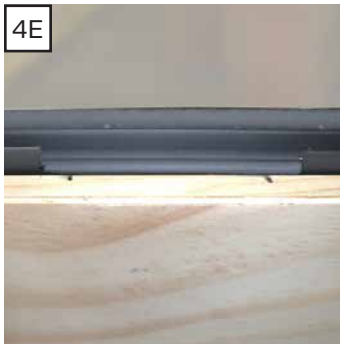





# 4 Out-Swing Fixed Panel Installation (continued):

E. **Cut the interior leg of the panel groove.** With the top and bottom measurement of each clip transferred to the interior leg of the panel groove; cut 1/4" above and below each clip location and trim the groove leg flush with the panel edge.



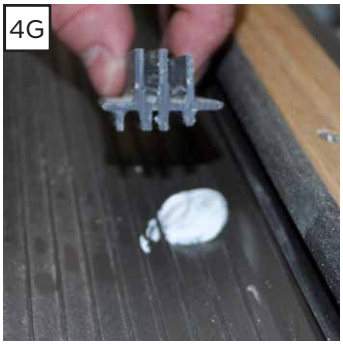

F. **Fill sill holes with sealant.** Inject sealant into each of the sill holes.

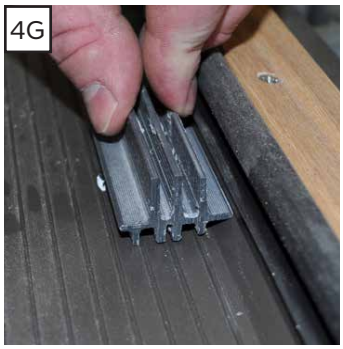






G. **Place spacers on sill.** Position the sill spacers on top of each sealant filled hole in the orientation shown. (Short spacer legs down against sill.)




H. **Inject sealant into head and jamb screw holes.** At each of the original panel installation screw locations, inject sealant to fill any voids.






# 4 Out-Swing Fixed Panel Installation (continued):

I. **Install the panel into the frame.** With the top of the panel tipped to the exterior, place the panel bottom on the sill against the sill weatherstrip. Tilt the panel up and push firmly on both stiles to engage the clips into the panel groove.

**Note:** Push on the panel at each panel clip location to make sure all the clips are fully engaged.

4I



4I



4I



4I



4I



4I



J. **Confirm clip engagement** by pushing on the door panel from the interior at the clip locations.

4J

