

Installing the Glass Window on Paragon Fusion Kilns

6-6-08

Included in the High-Temperature Window Kit:

Steel bezel

1" x 3" or 2" x 2" glass

5 - #8 self-tapping screws

Tools needed:

Dremel with cut-off wheel. It may take several wheels. No. 409 works well.

Felt Marker

Duct Tape

Ruler

Drill with 1/8" bit

Hand screwdriver with a 1/4" hex bit

Hammer and small nail

Hacksaw blade; easier with a handle

1/2" stiff paintbrush

Vacuum

Some good music!

1) Center the glass over the peephole and draw around it onto the steel case with a felt-tip marker. (Note: The 1" x 3" glass is designed to be installed horizontally. However, Judy Killian installed her 1" x 3" window vertically on her Paragon Fusion-7. This is optional.)

2) Cut out the glass-sized hole with the Dremel tool. Go light and the bits will last longer. Do not over-cut the corners as the screw holes go there. Avoid cutting into the firebrick. After cutting 3 sides, duct tape the side opposite the last cut to hold it still while cutting so that it will not bind the Dremel bit.

3) Center the enclosed steel bezel over the hole you just made. With a felt-tip pen, mark the location of the 5 holes onto the kiln case. (You will find 4 corner holes. The 5th hole should go on the bottom to help prevent the glass from falling out should the bezel ever become loose.)

4) With the hammer and nail, tap a slight dent in the kiln case for each screw hole to help start the drill hole in the right place. Drill 5 – 1/8" screw holes into the kiln case.

5) Install the steel bezel over the hole in the case with the 5 screws. Be very careful not to strip out the holes by over tightening. The bezel should be loose.

6) Use a hacksaw blade to gently cut a 1" x 3" or 2" x 2" hole (size depends on the kit you are installing) into the firebrick. Put the hacksaw in through the peephole to start. Use the steel bezel as a guide. Go slow and make many small cuts. The top and bottom of the hole should angle downward so that you can see the kiln bottom through the hole.

7) Sand the edges of the hole. Dust with a stiff paintbrush. Then vacuum the dust. (Note: Do not breathe the brick dust.)

8) Starting from the top, carefully slide the enclosed high-temperature glass between the kiln case and the loosened steel bezel. After the glass is centered over the 1" x 3" or 2" x 2" hole, tighten the 5 screws. But do not over tighten.

Many thanks to Judy Killian and her husband Scott for their kind assistance in writing these instructions.