

Part#210-MK: Ideal Steel Gasket Maintenance Kit

Date 03/02/2023

Gaskets Included:

- (12 ft) $\frac{3}{4}$ " Flat Window Gasket
- (6 ft) $\frac{3}{8}$ " Flat Window Gasket Split (Flue collar/Block-off Plate)
- (14 ft) $\frac{3}{4}$ " (.750) White Rope Gasket (door & top lid)
- (3 ft) $\frac{1}{2}$ " (.500) Graphite Rope (ash door)
- (4 ft) $\frac{5}{8}$ " (.625) White Flat Knit (under combustor)
- (6 ft) Tadpole Gasket (under sled)

Sled Gasket Hardware:

- (4) Steel Retainers (2) Straps (2) Bows
- (14) 10-32 Hex Nuts
- (8) 10-32 x $\frac{3}{8}$ " Hex Head Screws
- (8) 10-32 x $\frac{3}{4}$ " Socket Set Screw-Oval Point

Adhesive:

- (1) Tube of Furnace Cement
- (2) Bottles of Gasket Glue



Tools Needed:

- Philips Head Screwdriver or Small Drill
- $\frac{1}{2}$ " Socket or Wrench
- $\frac{5}{32}$ " Open-ended Wrench
- $\frac{5}{32}$ " Hex Key
- Scissors
- Putty Knife
- Wire Brush
- Caulk Gun
- Sharp Punch**
- Sharpie Marker

**Please read all of the instructions before you begin the procedure.
Confirm that you have all the necessary tools and parts required. If you
have any questions, technical support is available toll free at 1-800-866-
4344, Monday- Friday 9:00-5:00 and Saturday 9:00-12:00 ET**

The gasket in your kit has been roughly cut to size and marked with its diameter and length. Gasket glue or furnace cement will be applied to secure each length in its proper place.



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Replacing Window Gasket

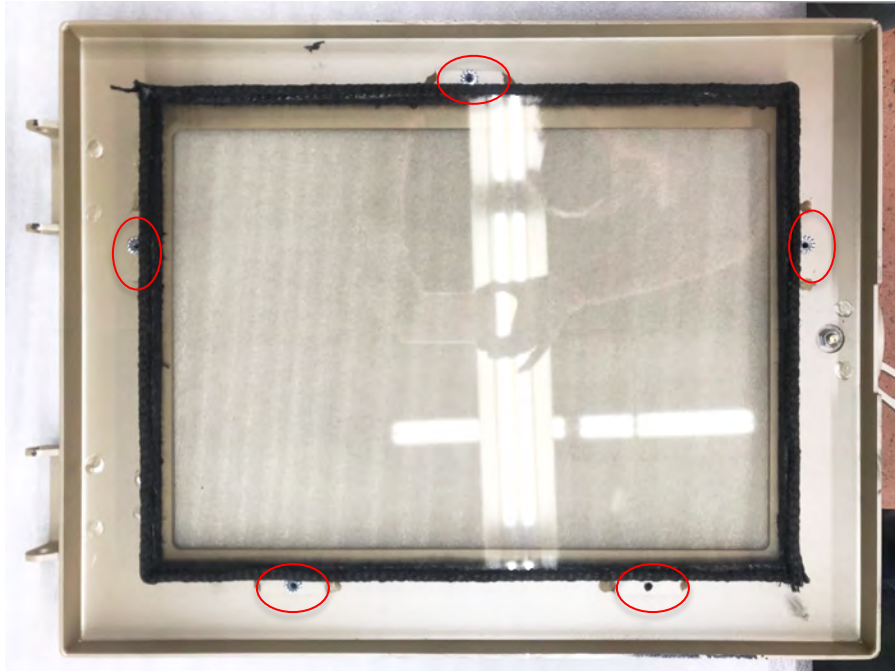
1. Make sure your stove is cool. You will need 12' adhesive backed flat gasket (6 feet per window pane).

*Please note that the main door gasket is taken out to remove the glass retainer. Plan to do both the glass gasket and the door gasket together.

2. Move the bypass handle into the up position. Unlatch the loading door and remove hinge pins in the door and lift up and off the stove. Lay the door on a table or workbench with a protective cloth, old towel or other protective material between the door and the work surface.



3. Remove the existing door gasket from around the interior of the gasket/glass retainer. Clean out debris and old gasket glue. Using a Phillips head screwdriver or drill remove the (5) 10-32 x 3/8" Phillips head machine screws that hold the glass retainer to the door frame. Lift the retainer off the glass. Remove the star washers (circled in red) on the frame pads and set them aside with the screws for reinstallation.



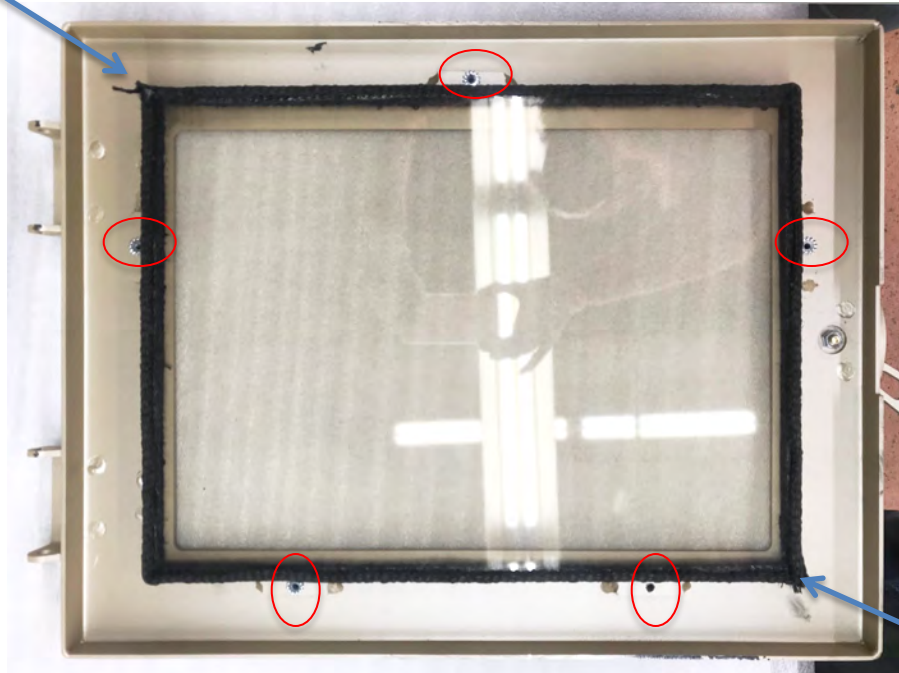
4. Lift the panes of glass out and remove the existing window gasket. Clean the glass with vinegar & water or a glass cleaner of your choice before applying the new gasket. If needed, use a razor blade to remove remaining gasket adhesive.

5. Stand the glass up on one edge and use the flat adhesive backed window gasket to wrap the edges of the glass. Start at any corner of the glass and peel back a small section of the tape from the gasket to expose the adhesive. Place the center of the gasket on the top edge of the glass and wrap the outer edges of the gasket evenly to the front and back of the glass. Continue this all the way around the pane of glass. Butt the ends of the gasket making sure there is no gap. Repeat with the second pane of glass



6. Place the gasketed glass into the doorframe. When placing the panes of glass in have the gasket seam of each pane at diagonal corners. Set an external tooth star washer over each of the threaded holes. (See image below, the bolt-hole locations are circled in red).

Gasket
seam



Both panes of gasketed glass set in the doorframe

Gasket
seam

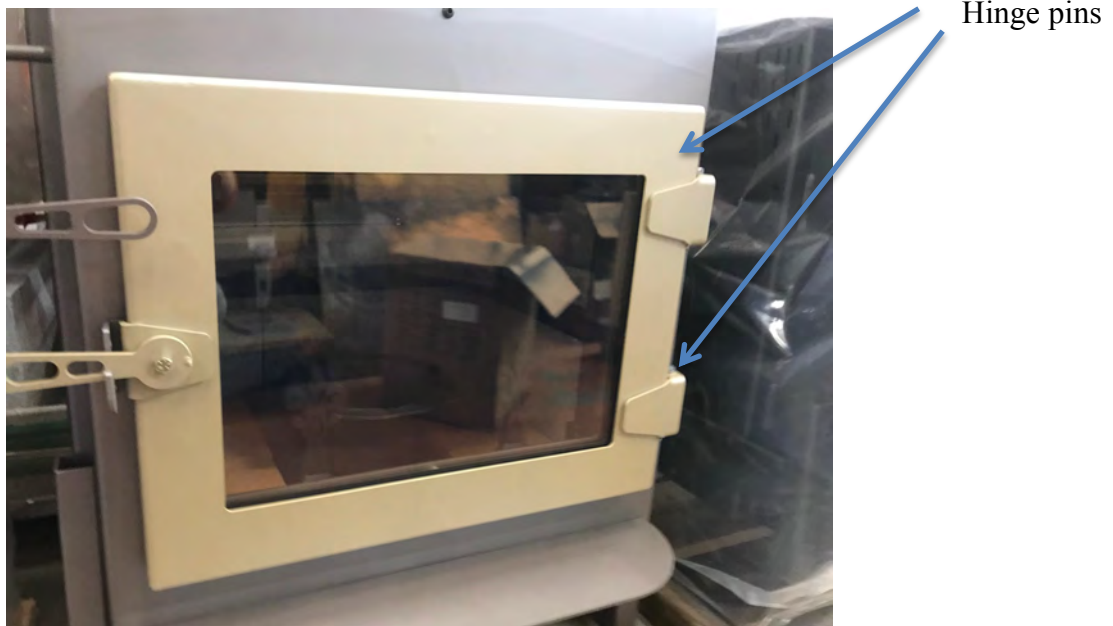
7. Line up the bolt holes on the glass retainer and place it over the gasketed glass. The top of the door has a single bolt hole in the center, and the bottom as two bolt holes. Use the (5) 10-32 x 3/8" screws to secure the retainer to the door. Tighten hardware completely using a Phillips screwdriver or a small drill. Continue to the Load Door Gasket Replacement.

Replacing the Load Door Gasket

Please note that the door gasket comes out and is replaced when the window gasket is replaced, so it is a good time to do both if needed. If you have already replaced the window gasket, skip to step #3

1. Make sure your stove is cool. You will need 7' of $\frac{3}{4}$ " white rope gasket and gasket glue for load door gasket replacement.

2. If you have not replaced the window gasket, start by opening the bypass handle to the up position. Unlatch the loading door, and remove hinge pins in the door and lift up and off the stove. Lay the door on a table or workbench with a cloth, old towel or other protective material between.



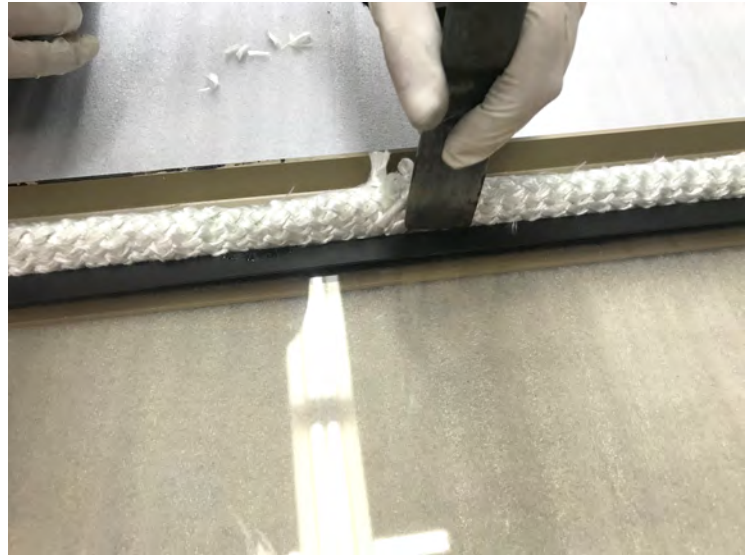
3. Remove the old door gasket around the interior of the gasket/glass retainer. Clean out debris and old gasket glue.



4. To install the gasket, run a bead of gasket glue inside the gasket track. Depending on the age of your stove, there may be two open holes in the gasket track that you will need to skip over with the glue.



5. Using the .750" white rope gasket, start the gasket seam in between the two screws at the bottom of the gasket track. Work the gasket around the perimeter (do not stretch the gasket) using a putty knife to tuck it into the track as you go. As you reach the end, cut the gasket about an 1" long and butt the two ends together. Make sure there is no gap in the gasket. The door is now ready to be installed onto the stove body.



6. Take two hinge pins and align the loading door with the barrel hinges on the body of the stove. Drop the pins down through both hinges and latch the door closed.



Hinge pins
installed

7. Paper test around the perimeter of the door to check for a proper seal. When removed, there should be enough resistance to curl the paper. Line up the hinge openings with the corresponding spaces on the stove and drop the hinge pins through. Then close the door and let the gasket glue dry for 15-20 minutes before using the stove.

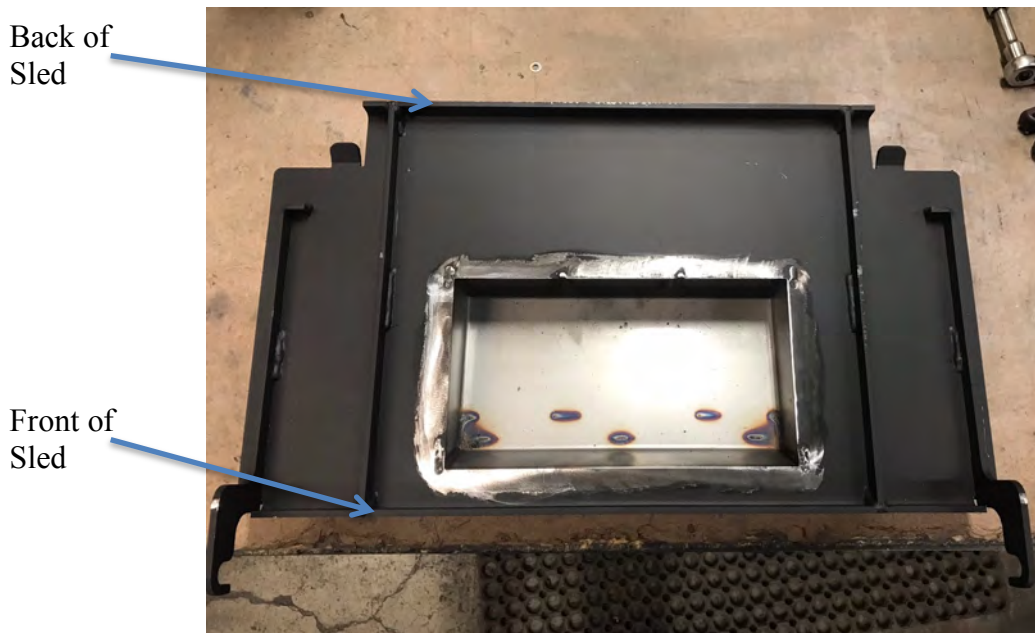
Ash Door Gasket

1. Make sure the stove is cool. You will need 3' of ½" graphite gasket and gasket glue for the ash door replacement.
2. Open ash door. Remove old gasket. Using a vacuum, clean out any ash, debris or old gasket glue.
3. Run a bead of gasket glue in the channel.
4. Start the gasket seam in one of the bottom corners (closest to the stove body). For a good seal you will back the gasket onto itself to "fluff" it up.
5. Cut slightly longer than needed and tuck end in next to starting point making a secure fit. Use your putty knife to tuck in raw edges
6. Open and shut ash door a few times to ensure the gasket is completely seated in the channel. Get a slip of paper and paper test the top and bottom edge of the ash door seal by closing the paper between the gasket and the body of the stove. When the paper is pulled out there should be enough resistance to curl the paper. Then shut it and let the glue dry 15-20 minutes before using the stove.



Under the Catalytic Combustor

1. Make sure your stove is cool. You will need 4 feet of the 5/8" flat white knit gasket and furnace cement to replace the gasket under the catalytic combustor.
2. Open top lid. Move the bypass handle into the down position. Remove radiator shield over the catalytic combustor and the catalytic combustor and set aside. Lift out the sled and place it on a work surface.
3. Remove old flat braid gasket and remove any debris using a wire brush and vacuum.



4. Place a bead of furnace cement around rectangular opening for catalyst.



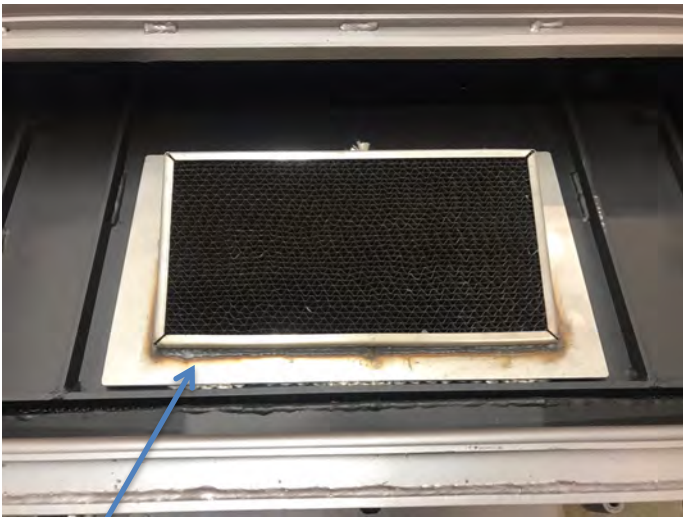
Cement bead around catalyst opening

5. Starting at the back center of the sled, lay the flat gasket on the cement, tucking corners into as close to a 90° angle as possible. Cut end of gasket a little longer and abut ends closely. Before installing the catalytic combustor, use a rag or paper towel to remove any cement that has oozed out.

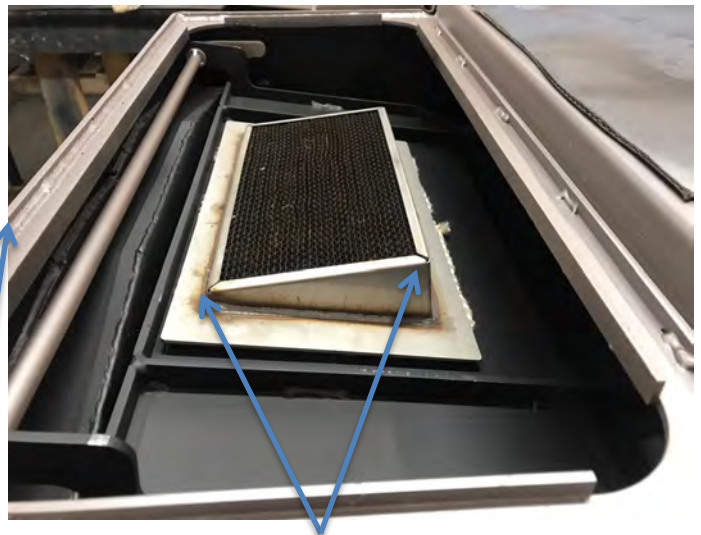


Gasket installed with seam at the back

6. Place the catalytic combustor on top of the gasket with the proper orientation shown below.



Weld side UP



Front of stove

Proper placement: front edge of catalyst is low and the back edge is raised.

7. If possible, wait 24 hours to allow the furnace cement to dry before using the stove.

Under Sled Gasket: Basalt Tadpole Gasket

See Supplemental Instructions

Flue Collar & Block-Off Plate Gasket

1. Make sure your stove is cool. You will need the (2) 3 ft. sections of split, self-adhesive backed, window gasket (roughly 3/8" wide).
2. Unbolt flue collar and/or block off plate from stove using a 1/2" wrench or socket & ratchet. Remove old gasket. Take length of the split window gasket with the adhesive on the backing. Peel adhesive backing off and lay gasket around perimeter of flue collar, pressing down to adhere gasket to surface. Cut end to meet starting point.

Frayed edge to the
inside of the parts



Top Lid Gasket

1. Makes sure the stove is cool. You will need 7 ft. of $\frac{3}{4}$ " white rope gasket and furnace cement.
2. Remove the top lid from the stove and set it aside.
3. Remove old gasket and clean out channel with wire brush and vacuum up the debris and old stove cement.
4. Using a caulking gun, lay a bead of the stove cement inside the channel all the way around the top.
5. Starting at the middle front, place the gasket in the channel, making sure to turn the corners neatly and fully. You may want to back bunch the gasket just a bit as you go to fluff it up.
6. Cut gasket slightly longer when you get back to the starting point and abut ends. Tuck in any raw ends with the putty knife. Tuck/roll in outside edge all the way around to make sure gasket is seated in channel. Close lid. Wait 48-72 hours, if possible, for the stove cement to cure before lighting stove.

