

# Gasket Kit #3448 - Installation Instructions

## For use on the Dutchwest NC Stoves

# DUTCHWEST

Your stove uses gaskets to provide a tight seal between moving parts. Eventually these gaskets will become compressed and will no longer seal properly. Replacing the gaskets will ensure good performance.

### Materials Provided:

- Two Shoe Gaskets - one for DW Small/Medium and one for DW Large c/w glue & applicator
- 5.5' of 1/4" Glass Fiber Gasket (Glass)
- 22' of 3/8" Glass Fiber Gasket for the ash door, front door, side door, damper & fireback retainer
- 3' of 5/16" Self Adhesive Glass Fiber Gasket for the flue collar
- 3 oz. Tube of Gasket Cement

### Tools Needed:

Phillips screwdriver      Small cold chisel  
Utility knife or scissors      Wire brush  
Rubber mallet, or hammer and wood block  
Flashlight or droplight

### Procedure

For a guide to each gasketed area, refer to the following sections and illustrations. Regardless of its location, replacing a gasket involves these steps. This kit includes some adhesive gasket that does not require cement to adhere to the stove.

- Remove the old gasket by scraping it out of its channel with an old screwdriver.
- Clean the gasketing channel with a wire brush. Be careful with adjacent surfaces, especially if they are enameled. Remove any stubborn deposits with a small cold chisel. Clean both mating surfaces thoroughly to bare metal.
- Cut the appropriate size gasket to length, allowing an extra inch.
- Knead the tube of cement before opening, to mix the contents thoroughly.
- If using gasket that requires cement, place an unbroken 1/8" bead of gasket cement in the channel. Do not use too much cement as it may saturate the gasket; the gasket must remain soft and resilient. One tube of cement will produce a 1/8" bead sufficient for all the gasket in this kit.
- Starting with one end, press the gasket into the cemented channel. If the gasket goes around and meets itself, ensure that you have a good joint before trimming the excess gasket. Do not overlap, or leave ragged edges.
- Seal the gasket by placing it firmly against its normal mating surface. A slip of waxed paper between the gasket and its mating surface will help keep the cement from traveling through the gasket and sticking to the mating surface. Clean away any excess cement.

- Allow to dry. Be sure to remove the waxed paper!
- Be careful, with enamel stoves, to keep cement off the enamel finish. If cement does accidentally get on the enamel, wash it off immediately with warm water.
- If you have questions, refer to the stove's Homeowners manual or a Dutchwest dealer.

### Flue Collar

- Remove the two (2) Phillips head screws held on by square nuts and lift off the flue collar.
- Pull off the old gasketing on the back of the stove. Thoroughly clean the gasket channel.
- Cut 5/16" replacement gasket to the correct length. Pull the adhesive gasket paper off the gasket and gently press the gasketing into place.
- Replace the flue collar using the Phillips screws.

### Damper

- Remove the outer top. There are two threaded rods located in the inner top inside the combustion chamber just back from and adjacent to the damper. Back off the lock nuts and remove the rod or the nuts and lift off the top.
- Open the damper. Pull off the old gasketing and clean off the old cement. Thoroughly clean the damper plate and around the damper opening in the inner top.
- Cut a piece of the 3/8" gasket material to length, allowing 1" of excess. Place a continuous 1/8" bead of cement in the damper gasket channel, and press the new gasketing in place, trimming off the excess length. Start the gasket in the front center of the damper opening. (Figure 1)
- Close the damper to seat the gasket. Replace the top by inserting the threaded rods into the outer top before inserting the rods attached to the top through the inner top and tightening with the hex nuts.

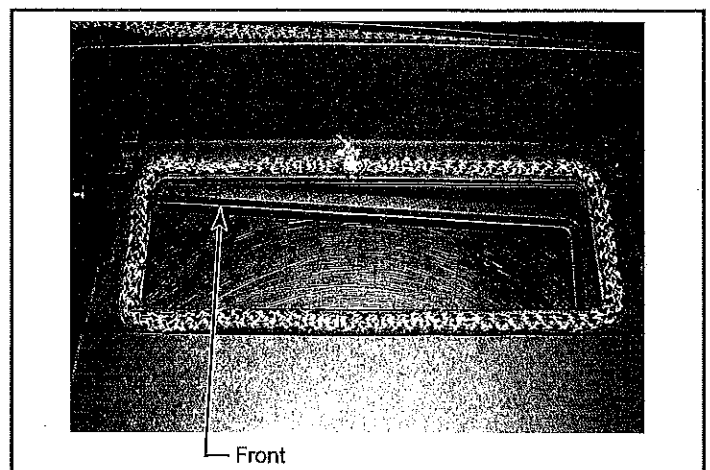


Figure 1 - Damper Gasket

## Ash Door

- Remove the old gasketing and clean the gasket channel thoroughly. Clean the ash door and the mating edges of the ash drop.
- Cut the required length of gasket plus one inch. Place a continuous 1/8" bead of cement in the channel and press the gasket into place, trimming the excess carefully. Start the gasket in the center of the bottom channel.
- Close and latch the ash door to seat the new gasket.

## Side (Load) Door

- Remove the old gasketing and clean the gasket channel thoroughly. Clean the load door and the mating edges on the side of the stove.
- Cut the required length of gasket plus one inch. Place a continuous 1/8" bead of cement in the channel and press the gasket into place, trimming the excess carefully. Start the gasket in the center of the bottom channel.
- Close and latch the side door to seat the new gasket.

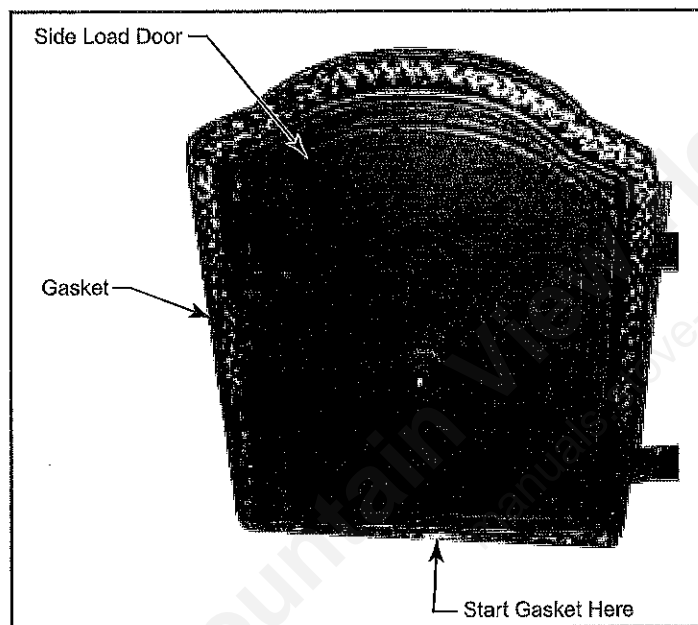


Figure 2 - Load Door Gasket

## Fireback Retainer

- You may want to inspect the gasket on the back of the Fireback Retainer Bracket.
- Remove the two through bolts that hold the retainer against the refractory fireback and inspect the gasket. It should look something like the figure below depending on the model.
- If damaged or compromised peel off the old gasket, clean the channel and replace with 3/8" gasket.

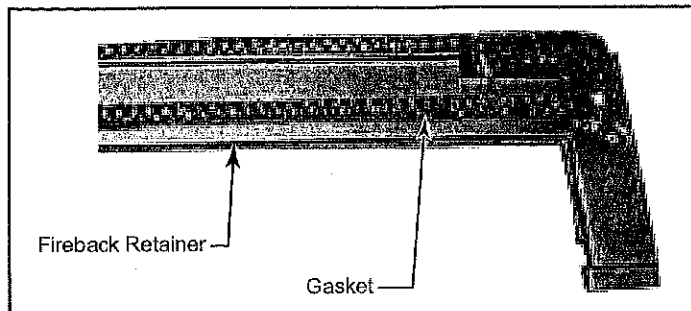


Figure 3 - Fireback Retainer Gasket

## Front Door

Carefully remove the door and place it face down on a padded surface. Note where the gasket ends are trimmed, so you can make an exact replacement.

- Pull out the old gasketing and clean each gasket channel with the wire brush.
- Lay the new glass fiber in place and trim to length.
- Place a continuous 1/8" bead of gasket cement in the gasket channel and press the trimmed gasketing into place. Start the gasket in the center of the bottom channel.
- Remove any excess cement that may have squeezed out around the gasket.
- If you are also replacing the glass gasket, go on to the next section. If you are not dealing with the glass gasket, you are finished.
- Replace the door on the stove and latch the door to seat the gasket.

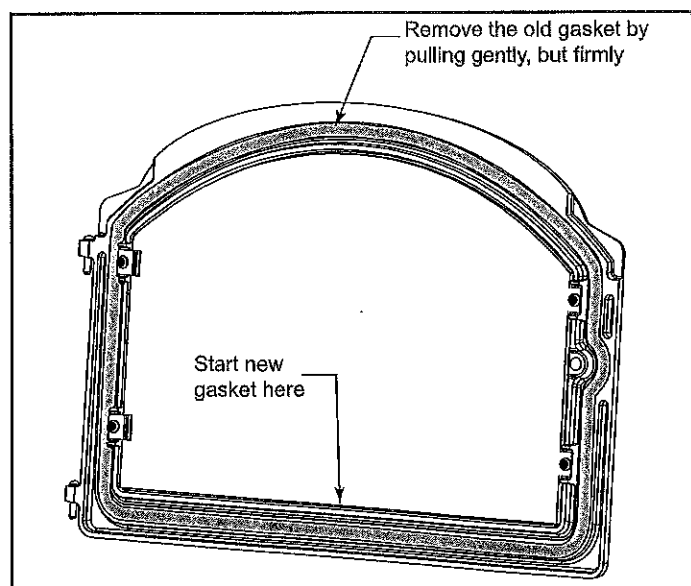


Figure 4 - Front Door Gasket

## Glass

- Remove the door assembly and place on a padded surface, inner side up.
- Remove the screws and retainer clips and lift out the glass pane. Keep track of which side of the glass door is in and out as there is a coating on the outside of the glass. Pull off the old glass fiber gasket and clean the channels thoroughly.
- Cut the required replacement gasket, allowing a little excess. Place a continuous 1/8" bead of cement in each channel and press the gaskets into place, trimming the excess carefully, and removing any excess cement.
- Clean both sides of the pane of glass.
- Center the glass on the gasket. Be sure to place the pane with its coated side facing out into the room.
- Replace the retainer clips and tighten the screws.
- Replace the door on the stove.

## Shoe Gasket

The shoe does not need to be removed for general maintenance. The shoe gasket is very fragile and if the shoe is removed, it is likely the gasket will become damaged.

- Pry up the bottom grate to release the shoe refractory and gently slide the shoe forward and out.
- Remove the old gasketing on the bottom of the shoe refractory using a putty knife or scraper.
- Apply a layer of the glue supplied using the glue stick along the bottom of the shoe refractory. Install the correct shoe gasket onto that surface. Figure 5.
- Carefully reinstall the shoe refractory and the bottom grate.
- If the grate fit is very tight, install the rear of the grate first and gently pry down the front.

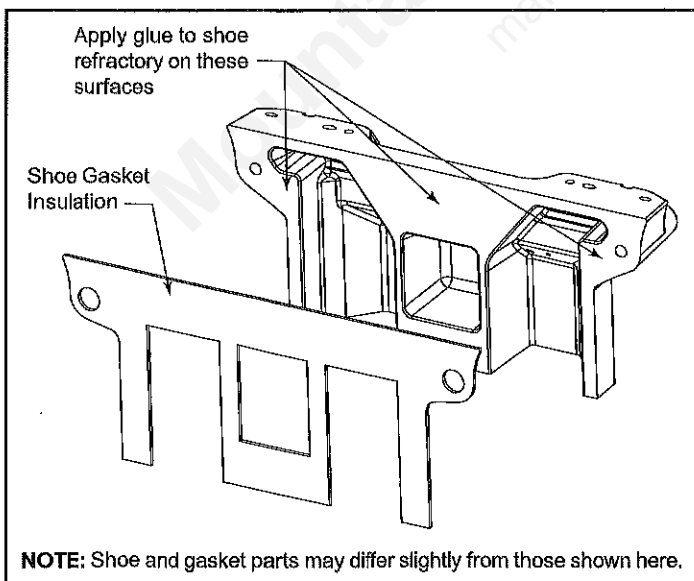


Figure 5 - Shoe Gasket

## Testing the Gasket Seals

After the cement has had several hours to dry, test the new door seal by closing and latching the door on slips of paper or dollar bills, placed at approximately 6" intervals along the top and bottom of the door opening. Be sure to include the area where the right front door overlaps the left door. It should not be possible to slide the papers, and they should be pulled straight out only with considerable resistance. If the paper pulls out easily, readjust the doors as needed until the doors hold the paper tightly. Do not apply this test to the glass gasketing - it is not accessible and does not get the repeated impacts that other seals receive.

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