



## Gasket Kit #3419

### Installation Instructions

### for the Encore Stove

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:

- 17' of 5/16" Glass Fiber Gasket for the Flue Collar, Catalyst Access Panel, Main Doors and Damper
- 6' of 3/16" Glass Fiber Gasket (Glass)
- 4' of 5/16" Wire Reinforced Glass Fiber "Armaseal" for the Griddle
- 3.5' of 3/8" Glass Fiber Gasket for the Ash Door

#### Tools Needed:

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

#### Procedure

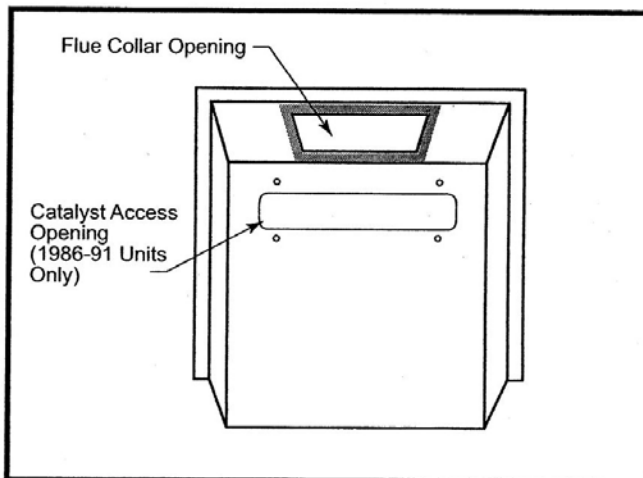
For a guide to each gasketed area, refer to the following sections and illustrations. Regardless of its location, replacing a gasket involves these steps.

- 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 enamelled. 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.
- 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 travelling 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 Encore Owner's manual or a Vermont Castings dealer.

#### Flue Collar

Remove the two (2) Phillips head screws and lift off the flue collar. Pull off the old gasketing. Thoroughly clean the gasket channel, and the mating face of the flue collar. Cut two (2) lengths of 5/16" replacement gasket. Place a continuous 1/8" bead of cement in the channel for each piece, and gently press the gasketing into place. If you are also replacing the damper gasket, go on to the next section. Otherwise, replace the flue collar and secure with the Phillips screws.



**Fig. 1** Flue collar gasket (all units) and catalyst access panel location (1986 - 1991 units).

#### Damper

Remove the flue collar and 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 upper fireback. Cut a piece of the 5/16" 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, trim-

ming off the excess length. Remove any excess cement. Close the damper to seat the gasket. Replace the flue collar and screws.

### Catalyst Access Panel

(This section applies only to Encore Model 0028 and 2140, which were built before December 1991. Later stoves and the Encore 1450 Non-catalytic model do not have a separate external access panel for a catalyst.)

If the stove has a rear heat shield, remove it by unthreading the four (4) bolts holding it to spacers installed in the stove back. Remove the four (4) Phillips head screws and the catalyst access plate from the back of the stove. Pull off the old gasketing and thoroughly clean the gasket channel of old cement. Cut a length of replacement gasket, allowing an inch of excess. Place a continuous 1/8" bead of cement in the channel, and press the new gasketing in place, trimming the excess carefully. Remove any excess cement. Replace the access plate on the stove back and secure with the screws.

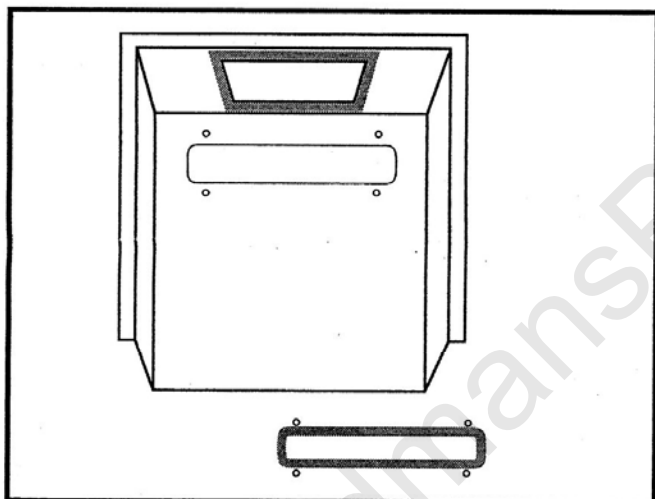


Fig. 2 Catalyst access panel (1986 - 1991 units only).

### Griddle

Remove the griddle. Pull off the old gasket and clean the channel with the wire brush. Set the steel reinforced gasket in the griddle channel and mark the correct length. Place the gasket on a wood cutting surface and trim with the utility knife or scissors. Twist the ends slightly to prevent unravelling. Place a continuous 1/8" bead of gasket cement in the channel and press the gasket into place. Replace the griddle and compress against the gasket by striking around the edges with the rubber mallet or hammer and block of wood.

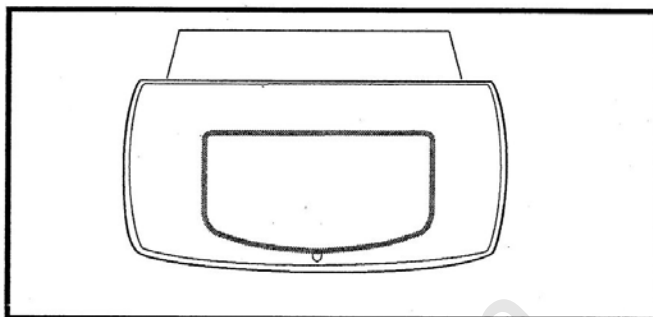


Fig. 3 Griddle gasket.

### Ash Door

You may find it helpful to remove the ashpan bracket from the inside of the ashdoor; use a 7/16" wrench for this.

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. Replace the ashpan bracket if you removed it. Close and latch the ash door, to seat the new gasket.

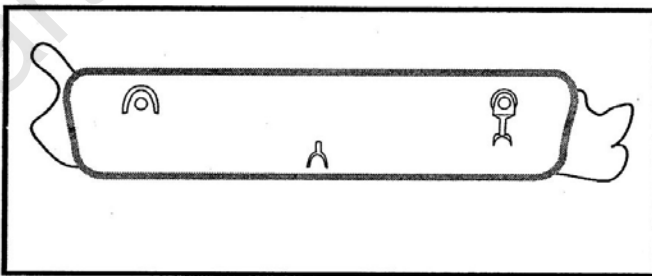


Fig. 4 Ashdoor gasket.

### Front Doors

Carefully remove the doors and place them 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. 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 doors on the stove, and latch the doors to seat the gasket.

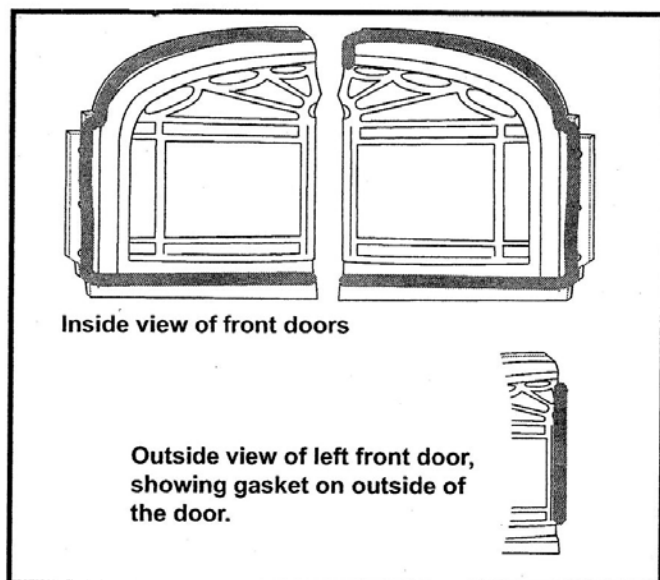


Fig. 5 Door perimeter gasket.

## Glass

**NOTE:** Encore models 0028 and 2140, built before December 1991, have two (2) panes of glass in each door. With these models, all four pieces of glass are identical, and a wire reinforced gasket separates the two panes. Models 1450, 2190 and 2550, built after December 1991, have a single pane of coated glass in each door. Since the coating goes on the room side of the door, there is a left and a right pane. Be sure to mark which is which. Some single-pane units originally used a flat die-cut gasket between the glass and the door; use the round 3/16" rope-type gasket, from this kit, to replace the flat gasket.

- Remove the door assemblies and place on a padded surface, inner side up. On the right door, remove the Phillips head screw securing the door manifold and glass clip to the upper right of the door. Swing the door manifold out of your way. The Encore 1450 non-catalytic model does not have an integral door manifold.
- Remove the screws and retainer clips from both doors. Lift out both glass panes together with the formed wire gasket (#3) that separates them. Pull off the old glass fiber gasket and clean the channel thoroughly. Do not remove the flat Interam gasket strip (#1) on which the installed glass rests. (Replacement material for this gasket is not included in this kit.)
- Cut the required replacement gaskets, 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 each pane of glass for double-pane doors; clean only the inside of the panes from single-pane doors.

- For double-pane doors, center one pane of glass on the gasket. Place the formed wire gasket on top of the glass. If necessary, the gasket may be shaped to fit properly around the opening. Place the second pane on the gasket.
- For single-pane doors, 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 screws, including the clip under the manifold on the right door. Leave the screws slightly loose on the right door.
- For the Encore 1450 non-catalytic model, replace the retainer clips and tighten the screws. Skip to "Testing the Gasket Seals".
- Replace the doors on the stove. Remove the griddle so you can reach in through the opening to reposition the manifold on the right door. Move the manifold as high as possible without actually touching the upper air manifold, and as far as possible toward the left door manifold without hitting it. Tighten the screws. Open and close the doors to check the manifold clearances.

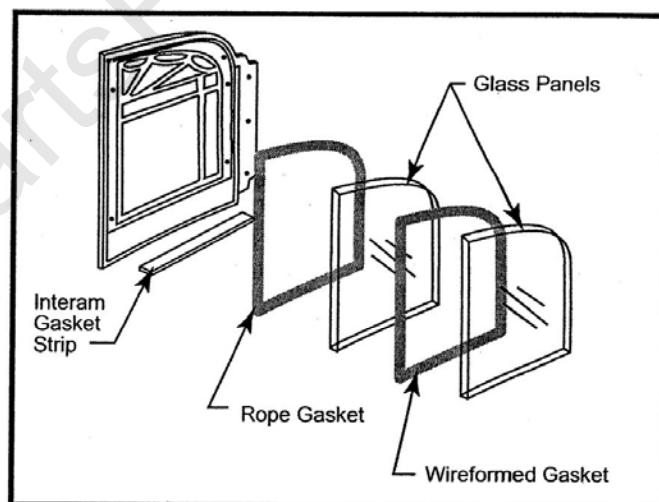


Fig. 6 Glass gasket. 1986 - 91 unit shown; later units have only one pane of glass per door.

## 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.