

# Technical Data Sheet

## **GMI70 Model 8450 Glass Kit**

*Part number 94-58505*

### **Parts Required:**

- (6 feet) 3110-056 ¼" Rope Gasket
- (1) 3030-069 Ceramic Glass
- (6) 5021-060 Glass Clips
- (6) 3120-021 Glass Clip Gaskets
- (6) 4500-2105 10-24x1/4" Machine Screw

### **TOOLS REQUIRED:**

- Scissors
- Phillips Screwdriver
- Wire Brush or Steel Wool
- Penetrating Oil
- Work Gloves
- Hex key, 5/32"

### **Description:**

This kit provides the parts necessary to replace the front door glass on your Gmi70 wood burning fireplace insert. Note that the glass is screen printed. Be sure to assemble the glass with the screen printed side on the inside of the firebox and the glossy side out, with the screen printed archway matching the arch of the glass opening of the door.

**BEFORE YOU BEGIN: *Always work on a cool stove!***

### **Removing the front door:**

1. Remove the front casting.
  - a. Remove the two screws below the ash lip, keep these for re-installing
  - b. Lift the front casting up and off the tabs at the top of the firebox face, set aside.
2. Remove the door.
  - a. Use two people to remove the door.
  - b. In an open position, remove the lower hinge from the door, 2 socket head cap screws
  - c. Lift the door off of the upper hinge, save the spacer.

### **Replace the glass and glass gasket:**

3. Place the door face down (use soft surface for enameled doors).
4. Remove the 6 screws from the glass clips (use penetrating oil if necessary) – Set aside for reinstallation.
5. Carefully lift the damaged glass off the door and discard.
6. Clean the gasket channel using steel wool or a wire brush. Wipe the channel clean with a damp cloth to remove any loose residue.
7. Clean the screw holes and place a small amount of anti-seize compound in each one.
8. Install a new glass gasket in the glass gasket groove. Do not stretch or bunch the gasket as it is placed into the channel. Trim any excess rope.

9. Place the new glass onto the door.
  - a. Place the glass with the glossy side facing out. (screen printed side in)
  - b. Align the screen printed arch with the arch of the window opening.
10. **Important! Center the glass** and ensure that the edges of the glass are parallel with the edges of the opening.
11. Screw the glass retainer clips with the glass clip pads back on the door using a crisscross pattern. Tighten the screws no more than 1/8<sup>th</sup> of a turn after they seat. The glass will break at this point if not positioned correctly.
12. Apply a light film of anti-seize lubricant on the door's hinge pins if needed.
13. Install the door and front casting, following step 1 and 2 in reverse. Note: use 2 people to install the door.
14. After 5 or 6 fires, check the glass retainer screws, and retighten if necessary.

