

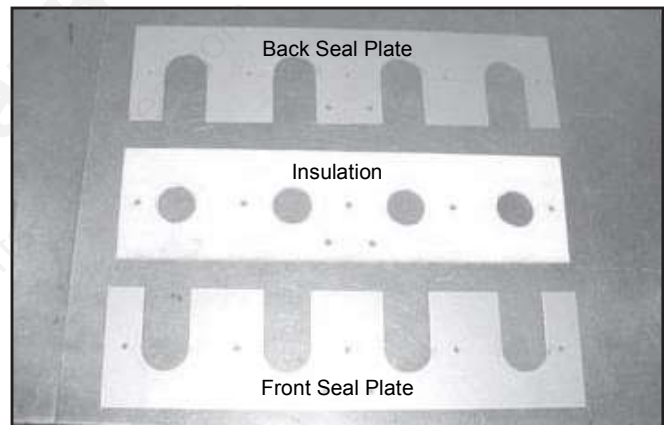
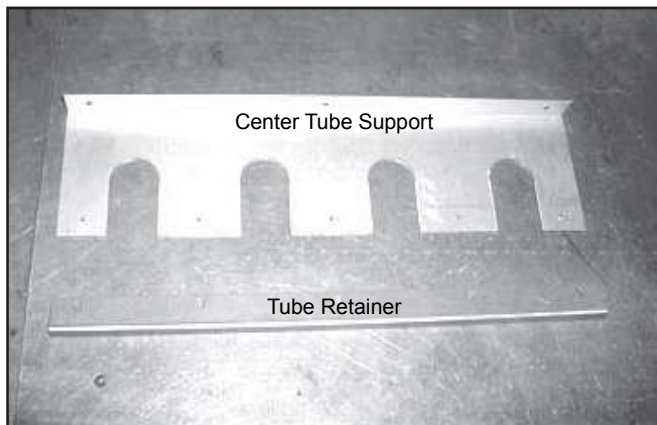


SC60/EM42 Tube Seal Kit SRV4013-077 Technical Service Document

	CAUTION	
	<p>Sharp Edges</p> <ul style="list-style-type: none"> Wear protective gloves and safety glasses during installation. 	

Note: An arrow (➔) found in the text signifies change in content.



Parts included with this kit, plus 3 self tapping screws and 10 sheet metal screws:

Prepare Appliance

- Remove glass doors if installed.
- Remove wooden knob from damper control. See Figure 1.
- EM-42 only** - Remove the six screws holding the upper face on unit and take face off unit. See Figure 2.

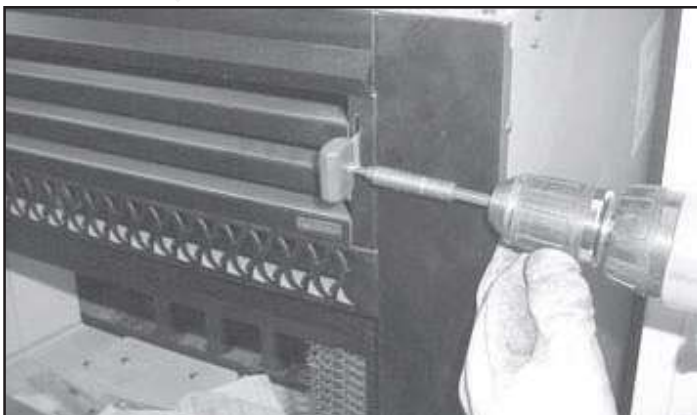


Figure 1 Remove Wooden Knob

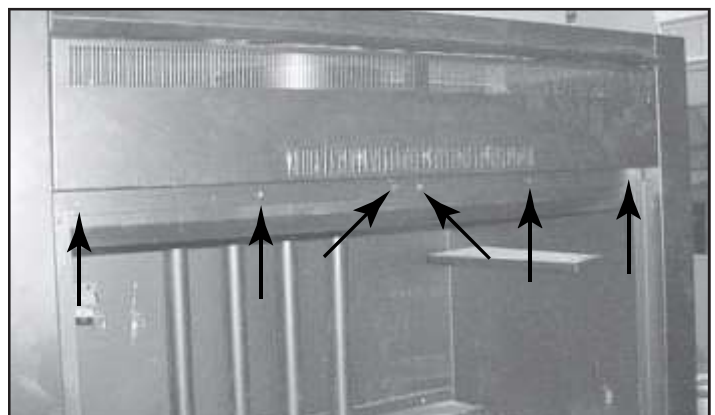


Figure 2 EM-42 Remove Upper Face

- **SC60 only** - Remove two screws on upper grille and take grille off unit. See Figure 3.

- Raise hearth and support with one of the firebrick that was removed. See Figure 6.



Figure 3 SC60 Remove Upper Grille

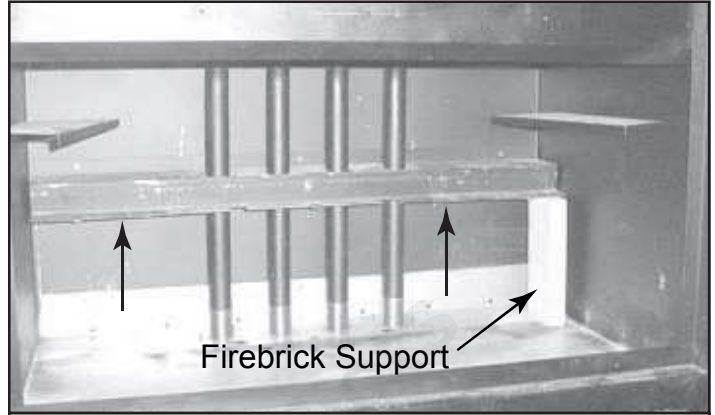


Figure 6 Raise Hearth

- **SC60 only** - Remove filigree by taking out five screws on top and six screws on bottom. See Figure 4.

- Use 500° F silicone sealant to seal around each of the four heat tubes going into firebox bottom. See Figure 7.

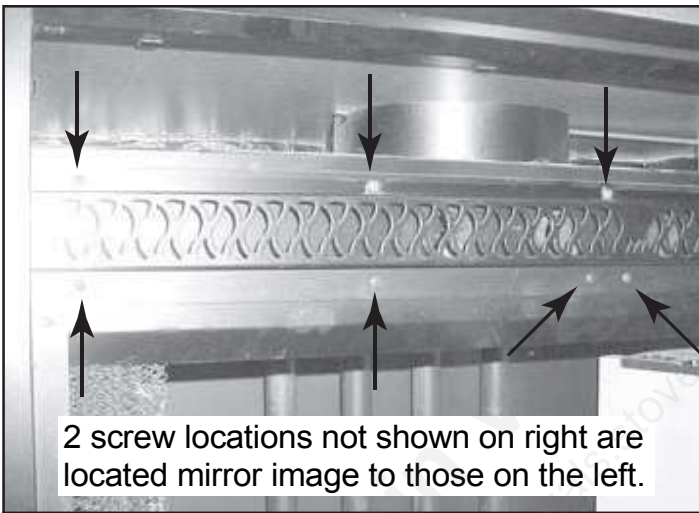


Figure 4 SC60 Remove Filigree

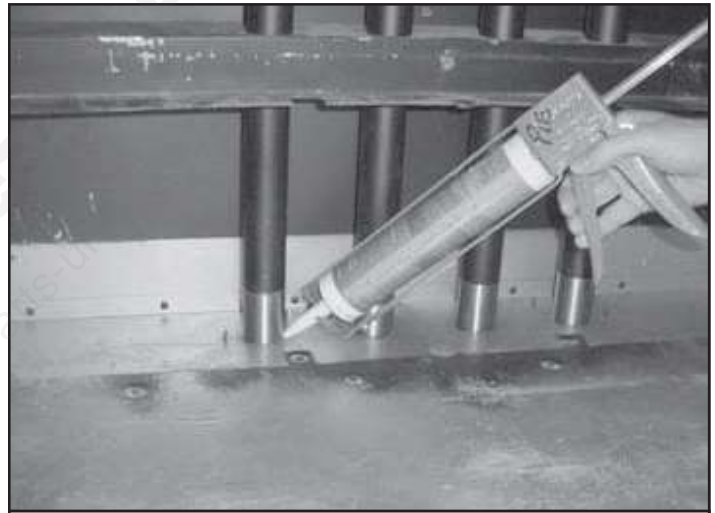


Figure 7 Seal with 500° F Silicone Sealant

- Remove screen and screen bracket.
- Remove all firebrick.
- Remove the six screws from the hearth filler. See Figure 5.

- Drop hearth filler back into place and use six screws to fasten in place. Refer to Figure 5.
- Place center tube support behind tubes at an angle. See Figure 8. Rotate front edge up.

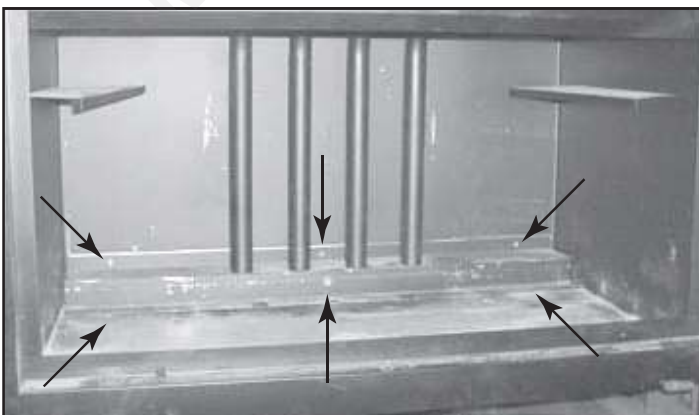


Figure 5 Remove Hearth Filler

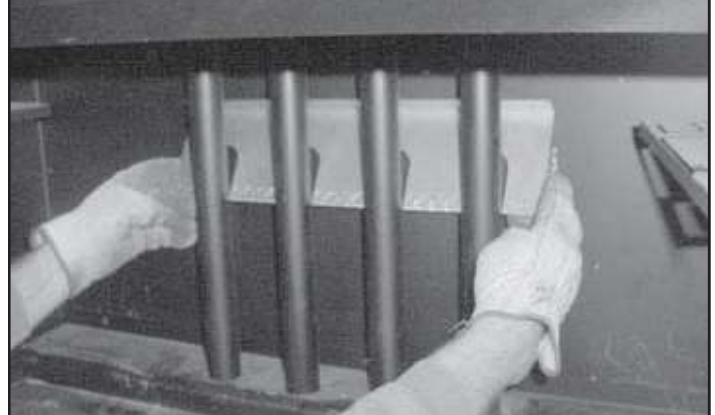


Figure 8 Center Tube Support into Place

- Measure up nine inches from top of hearth filler to lower edge of tube support and screw into place using three self tapping screws from kit. See Figure 9.



Figure 9 Fasten Center Tube Support

- Place tube retainer, flange down, on front of center tube support and screw into place with five screws. See Figure 10. Access to screws is tight so you may need to use a hand screw driver.



Figure 10 Place and Fasten Tube Retainer

Install Front Seal Tube Plates

- Place insulation from kit over the ends of tubes on smoke shield of unit and use as a template for marking the attachment holes to be drilled.
- Mark location of the five holes onto the unit front. See Figure 11.

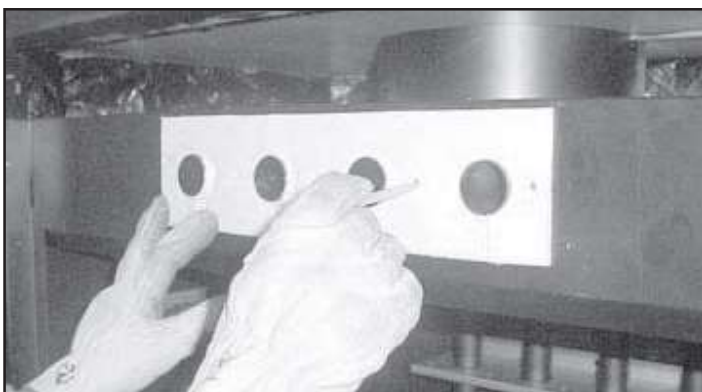


Figure 11 Place Insulation (template) & Mark Hole Locations

- Remove insulation/template and drill 7/32 in. diameter holes at the marked locations; ensure the holes are precisely located.
- Place insulation behind smoke shield on top of the tubes and slide forward tight against the back of the smoke shield (see Figure 12). This will be a friction fit, use care not to damage insulation. Do not tear insulation around tubes. Two pieces of insulation have been included with kit in case of damage during installation.

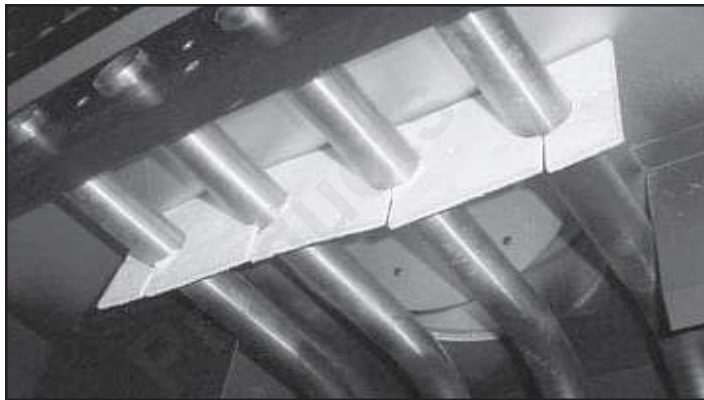


Figure 12 Place Insulation Behind Smoke Shield, On Tubes

- Slide front seal plate up from bottom, top first (to clear screw heads on back of smoke shield). Slide forward and hold front seal plate tight against insulation, lining up with holes in smoke shield. See Figures 13 and 14.

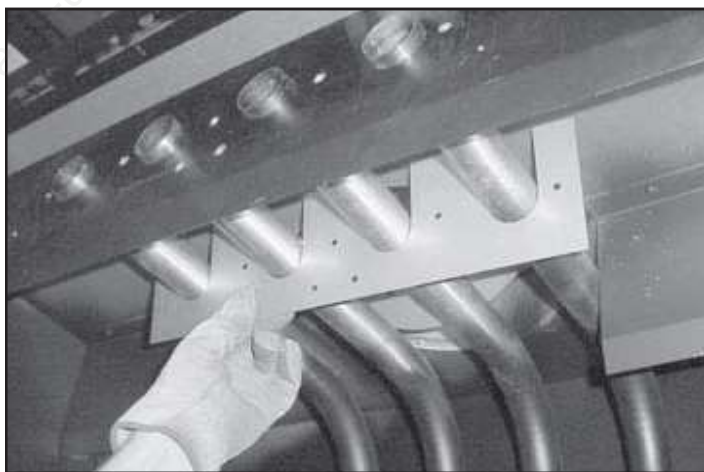


Figure 13 Place Front Seal Plate

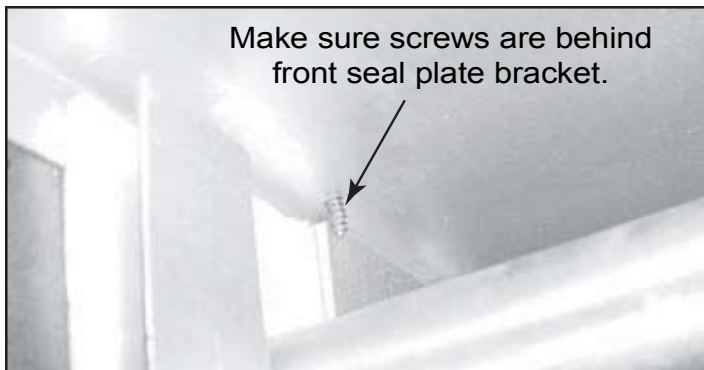


Figure 14 Screws Behind Bracket

- Place back seal plate over tubes and slide forward. See Figure 15.

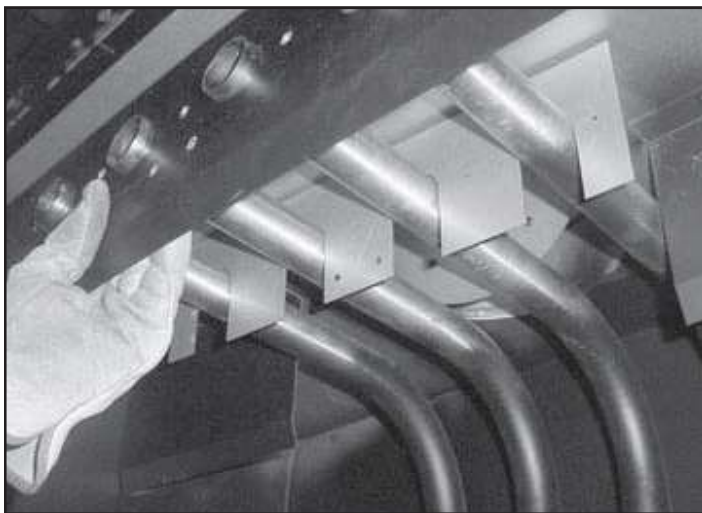


Figure 15 Place Back Seal Plate

- **EM-42 only** - Check for presence of the five screws across the top of the smoke shield. If any are missing, replace them. See Figure 17.



Figure 17 EM-42 only - Check for Screws in Smoke Shield

- Use an awl to line up back seal plate holes with front seal plate, insulation and smoke shield, and fasten in place with five screws. See Figure 16. Ensure that seal plates and insulation are tight against smoke shield.



Figure 16 Line up both Seal Plates, Insulation & Smoke Shield

Complete Installation Process

- Reinstall screen bracket as shown in Figure 18.



Figure 18 Screen Bracket

- Reinstall upper face/grille (make sure damper operates properly when face grille is reattached).
- Reinstall upper face, firebrick, screen and glass doors.