



Dutchwest Convection '93 Series Service Procedure

1993 AND LATER DUTCHWEST CONVECTION HEATERS
Models 2460 (Small), 2461 (Large), 2462 (Extra-Large)

REVERSING DUTCHWEST CONVECTION BOTTOM LEG BOLTS (Replacing the Outer Bottom)

This procedure may be used if the leg bolts on the outer bottom are reversed or if the outer bottom is damaged and requires replacement.

Tools Required: dead blow hammer; 7/16" socket or wrench; hammer; wire brush; chisel.

Time Required: 1 hour

Materials Required: 11 oz. tube furnace cement

Instructions

- 1) Remove andirions, bottom grate and ash pan.
- 2) Tilt the stove back on the skid until it rests on it's back with the flue collar supporting the weight. Position the stove so the bottom is just off the front of the skid. See Fig. 1. Remove the legs if replacing a damaged outer bottom.

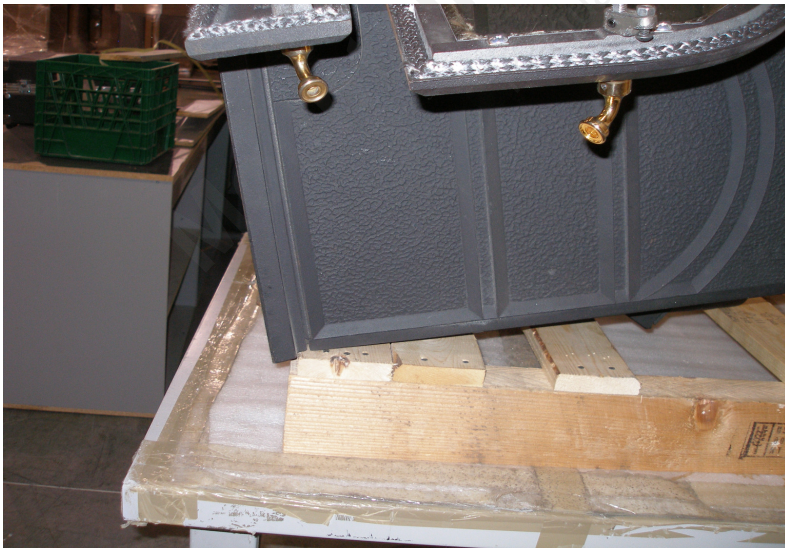


Fig. 1 Stove tilting back resting on a skid with flue collar supporting the weight and bottom forward slightly

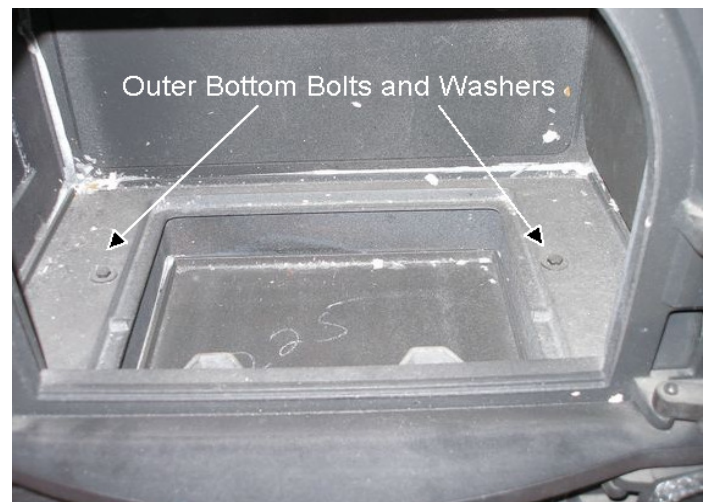


Fig. 2 Outer bottom bolt location

- 3) Carefully open both the ash door and the front door and let them lean back resting on the right side. *See Fig. 1.*
- 4) Locate the two hex head bolts and washers in the inner bottom that attach the outer bottom to the stove on either side of the grate opening in the inner bottom. *See Fig. 2.* Use the 7/16" wrench or socket and remove the bolts and washers.
- 5) With a dead blow hammer or rubber mallet, strike the ends of the outer bottom on the sides near the bottom. The cement will release and the bottom will fall off. *See Fig's. 3 & 4.*



Fig. 3 Strike the outer bottom to release it and pull it off



Fig. 4 View with outer bottom removed

- 6) With a hammer and a small chisel, clean the cement off the grooves in the detached outer bottom and the ends of the inner bottom. *See Fig's. 5 & 6.* A wire brush attachment on a drill may also be used. If replacing with a new outer bottom, the old outer bottom can be discarded after removing the leg bolts and washers.



Fig. 5 Clean the grooves of the outer bottom



Fig. 6 Clean the ends of the inner bottom

7) Put furnace cement in the grooves of the outer bottom where the old cement was cleaned out. See Fig. 7. Place the outer bottom in position on the inner bottom. Insert the two bolts with washers through the inner bottom into the outer bottom and tighten. See Fig. 8.

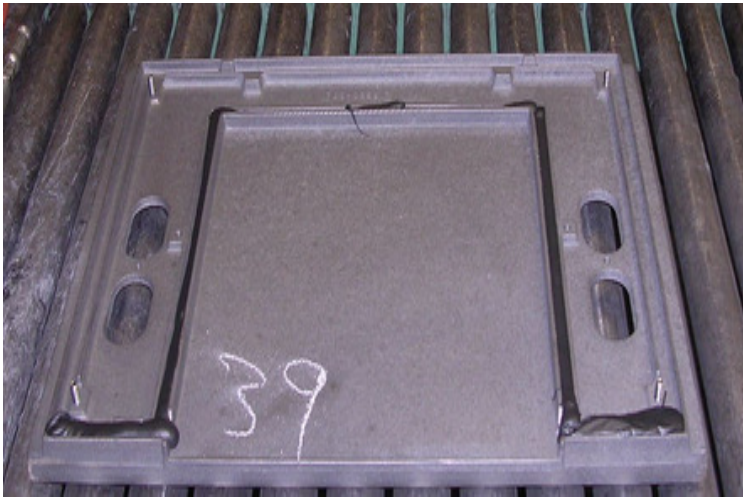


Fig. 7 Lay a solid bead of furnace cement in the grooves of the outer bottom



Fig. 8 Replace the two bolts and washers holding the outer bottom to the inner bottom

8) Smooth out any excess cement on the inside of the ash drop. See Fig. 9. Wipe down any excess cement on the outer seams with a damp cloth. Ensure all the cement has been completely removed from the front.

9) Install the legs with the bolts and washers removed from the old outer bottom and lift the stove upright onto the legs. If not installing the legs at this time, insert the leg bolts into the outer bottom. Replace the andirons, ash pan and grate.

10) As a precaution, you may want to check that the refractory cover and catalyst did not move out of place during the procedure. Remove the four bolts holding the gasketed outer top on and inspect that both items are in place. Replace the outer top.



Fig. 9 Smooth out any excess cement from the cement seams