

Dutchwest (2460, 2461, 2462) Replace Front



Dutchwest Convection '93 Series Service Procedure

1993 AND LATER DUTCHWEST CONVECTION HEATERS

Models 2460 (Small), 2461 (Large), 2462 (Extra-Large)

REPLACING THE FRONT

KEY POINTS FOR PREPARATION:

Clear a space for storing parts as you take the stove apart. You will need pliers, a 7/16" ratchet socket wrench with extension, a 7/16" open end wrench, and a Phillips head screwdriver to remove nuts and bolts and screws. You will need a dead blow hammer to dislodge parts which have been cemented together. A standard steel hammer and block of wood may be used in place of the dead blow hammer. Use the block of wood to protect metal parts from direct blows of the steel hammer.

You will need a new front; furnace cement (30000524); and 8' of 5/16" gasket 1203588.

NOTE: Wear gloves, a dust mask and protective eyewear.

Instructions are given as you face the stove.

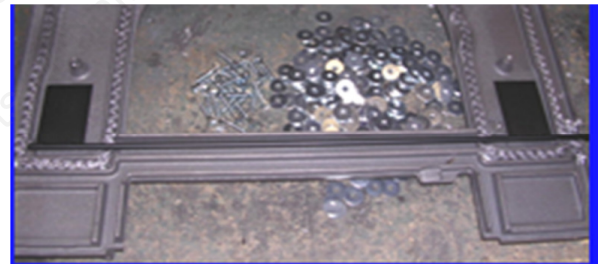
1. Lift the probe thermometer from the top.
2. Lift the front doors from the stove.
3. Remove the top: Use a 7/16" wrench to remove the washers and four hex head cap screws that hold the top plate to the body of the stove. The four screws pass upward through slotted tabs at the top of each side and into the underside of the top plate. Lift the top from the stove.
4. Remove the hearth: Use a 7/16" hex wrench to remove the two bolts and washers which hold the hearth in place and remove the hearth.
5. Remove the ash door: Tap the ash door hinge pins out, and remove the ash door.
6. Remove the front: Threaded studs are screwed into the back of the front plate in the top of the front above the inner top. The studs pass through slotted tabs in the side plates. Nuts screwed onto these studs hold the front to the sides of the stove. Remove the two nuts and washers, being careful to hold the front in place as you remove the last nut. Gently tap the front forward at the top and lift it out of the bottom channel and off the front of the stove.

REMOVE PARTS TO TRANSFER TO THE NEW FRONT

7. Place the front face down on your work surface. Inside the front, the primary air manifold is fastened to the front with four 7/16" hex bolts. Remove these, and pry the channel off the front with a screwdriver.
8. Remove the spring loaded hex bolt that captures the primary air shutter and lift out the shutter.
9. Use a chisel and/or a wire brush to remove all excess cement on the inner top, sides and bottom in preparation for installing the new front. Take care not to damage the other cement seals.

ASSEMBLY

10. Install the 5/16" gasket for the primary air manifold on the new front using a fine bead of furnace cement. Install the air flap as in the old front and wrap a small piece of the gasket around the top of the air rod after placing it underneath. See photos below.



11. Put the primary air manifold channel in place, and secure it with four 7/16" hex bolts. Make sure the air shutter operates freely as per the photo on the left on the next page.
12. Apply cement to the grooves for joining the front to the stove body as per the photos on the next page.
13. Put the front in position in the bottom lip and lift up against the stove body. Fasten it with two hex nuts and washers on the threaded studs and tighten.
14. Clean up any squeezed out cement on the outside of the stove with a damp cloth. Please take care and clean completely as any excess will turn light grey in color.



Install Air Wash Manifold



Install Furnace Cement Top View



Install Furnace Cement Bottom View

15. Check the operation of the air shutter for smoothness if necessary. Remove the large hex-head bolt on the bottom of the primary air manifold (just inside the load door) that covers the access to the air shutter shaft adjustment screw. Then use a Phillips screwdriver to turn the adjusting screw inside the hole from which you took the large hex bolt if need be. The air shutter handle should swing easily but should have enough tension to remain in place when you release the handle. Replace the bolt.
16. Install the top, ash lip, ash door and front door in reverse order as per the disassembly. *Make sure to put the ashdoor on before the ash lip.*