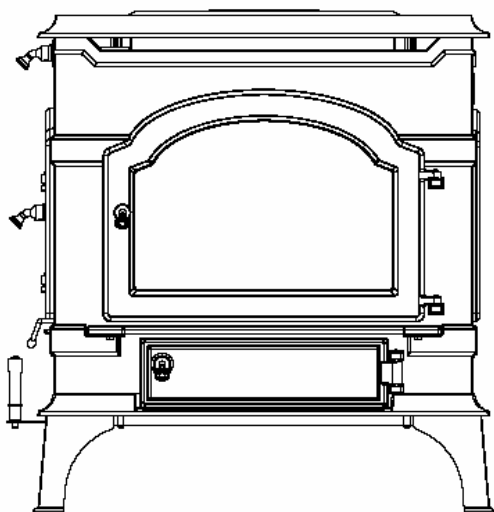


SERVICE MANUAL

For the

***DUTCHWEST CAST
NON- CATALYTIC WOODSTOVES***

MODELS 2477, 2478 & 2479



SERVICE PROCEDURES

2477, 2478 & 2479 Dutchwest Cast Non-Catalytic Woodstoves

****Wear gloves, a dust mask and protective eyewear when servicing a stove. ****

Disassembling the Interior Components

1. Locate the two Phillips screws holding the rear shroud to the rear of the stove. Remove the shroud.



FIG. 1 Remove Rear Shroud

2. Lift the left and right andirons out of the inner bottom.



FIG. 2 Remove Andirons

3. Lift up the bottom grate and remove. Notice the retainer on the rear top of the grate which holds the shoe in place. This will be tight against the shoe and will offer resistance to the removal of the grate.



FIG. 3 Remove Bottom Grate

4. Grip the front of the shoe and carefully pull it forward out of the opening in the lower fireback refractory.



FIG. 4 Remove Shoe

5. With a Phillips screwdriver, remove the right brick support and the right end refractory and insulation panel.

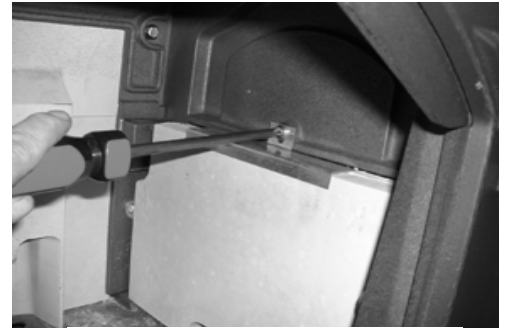


FIG. 5 Remove Side Refractory

6. If the Medium or Large Model, lift out the lower load door refractory which sites on the inner bottom against the left side below the load door.



FIG. 6 Remove Lower Load Door Refractory

7. With a 7/16" Socket wrench, remove the two interior bolts on the fireback retainer while gripping the nuts on the back of the stove. Lift out the fireback retainer.



FIG. 7 Fireback Retainer

8. With a 7/16" socket wrench, remove the interior bolts on the left and right lower fireback retainers while gripping the nuts on the back of the stove. Lift out the retainers making sure the refractories do not fall forward.



FIG. 8 Remove Lower Retainers

9. Lift up and out to remove the upper fireback refractory. Do not let the lower refractory panel fall forward.



FIG. 9 Upper & Lower Fireback Refractories

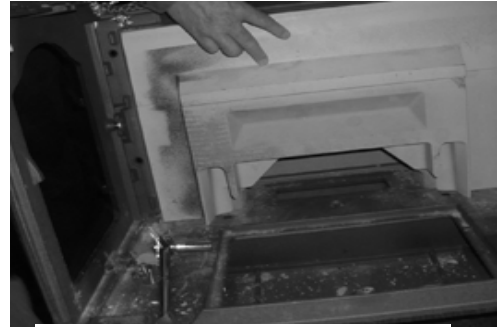


FIG. 10 Remove Upper Refractory

10. Pull forward on the lower fireback refractory to remove it.

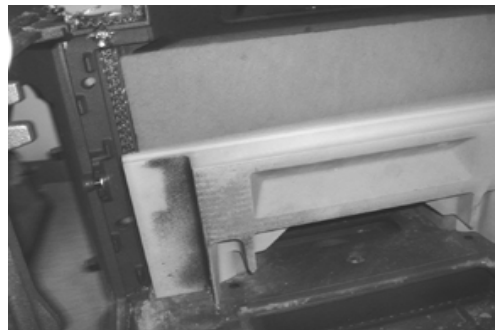


FIG. 11 Remove Lower Refractory

11. Reach to the back of the fountain assembly and gently pull it forward and out of the box. The fountain is fragile so handle with care.



FIG. 12 Remove Fountain Assembly

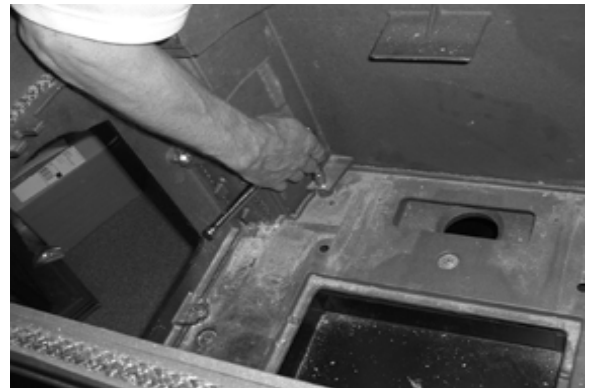


FIG. 13 Inside View With All Removed

Disassembling the Exterior Components

1. Take off the flue collar by removing the two nuts and bolts.



FIG. 14 Remove Flue Collar

2. Remove the front and side load doors.

3. Remove the outer top. Locate the two nuts with washers attached to two threaded rods in the underside of the inner top holding the top on. Remove the bolts and threaded rods and lift off the outer top.



FIG. 15 Remove Outer Top Bolts

4. Remove the spring clip from the damper handle damper handle.



FIG. 16 Remove the Damper Spring Clip

5. Remove the damper handle with an allen key. Remove the damper assembly by unbolting the two damper tabs and lifting the assembly out of the inner top.



FIG. 17 Remove Damper Assembly

6. Locate the two bolts and washers holding the inner top to the sides and remove them. Lift out the inner top.



FIG. 18 Remove Inner Top

7. Locate the two side bolts and one in the center/bottom of the front. Remove all three and lift the front off.



FIG. 19 Remove the Front

8. Locate the two bolts that hold the sides on. One holds it to the inner bottom and one holds it to the back. Remove both bolts and lift out the sides. Ensure the back does not fall.

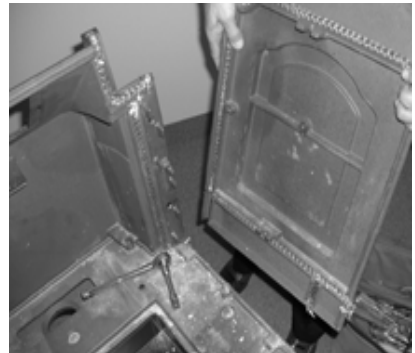


FIG. 20 Remove Both Sides

9. The back is now free remove.



FIG. 21 Remove Back

10. Locate the three bolts holding the inner bottom to the bottom and remove. Lift off the inner bottom.



FIG. 22 Remove Inner Bottom

11. Unbolt and remove the four legs



FIG. 23 Outer Bottom With Legs

12. For complete assembly, reverse the order of disassembly.