

INSTRUCTION SHEET

AHPO/EPO TRANSFORMER KIT INSTRUCTIONS

The transformer used for the low voltage lighting has been changed on the 230/415 volt ovens only. We found that if operators were to mistakenly install bulbs over the 10W maximum that is specified on the oven that it could cause a failure of the transformer. To help to prevent this situation from occurring, we have developed a transformer kit that includes; a new cover with circuit protection, revised wiring diagram and replacement transformers.

1. DISCONNECT POWER
2. Remove side panel and disconnect fan.
3. Remove fan from panel and install on new panel.
4. Remove transformer for oven lights and replace with new transformer.
5. Remove transformer for proofer lights and replace with new transformer, connecting the circuit breaker in series with the secondary per the new wiring diagram.
6. Reinstall the new side panel and apply the new wiring diagram label over the existing diagram.
7. Replace all Bulbs with 10W bulbs provided in the kit.
8. Reconnect power and verify proper operation of the lights.



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314-231-1130

P/N 502329B

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AHPO/EPO DOOR REPLACEMENT INSTRUCTIONS

This procedure will instruct how to remove and install a Standard door or an Air-Wash door.



Tools Required

- Box Knife
- Tape Measure or ruler
- Flat tip screwdriver (5/16") and #2 Phillips screwdriver, or a Cordless Drill (preferred) with screwdriver tips
- Center punch and Hammer
- #10 flat washer, #10 lock washer with internal teeth,
- Hex head screw 10-24x1", -1/4 – 20 nut, and open-end wrenches to fit the nut and screw head.
- Silicone Sealer, Aluminum in color, NSF 51 compliant, and rated for 350°F.

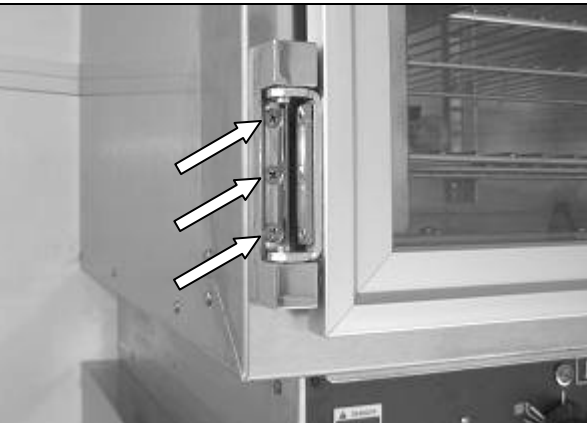
Tool Descriptions



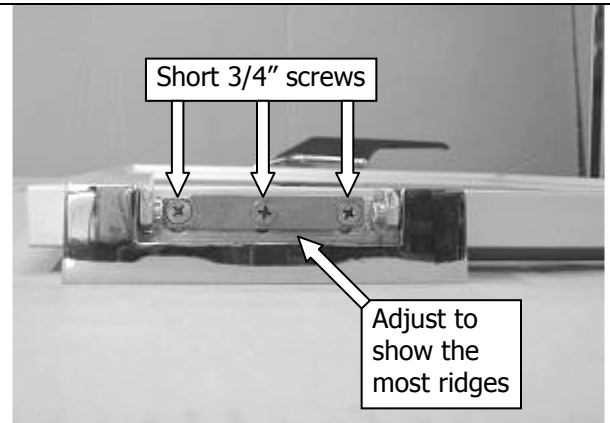
1. Turn "OFF" the unit and allow it to cool. Then close the door so that the magnetic handle is holding the door closed.



2. Remove hinge covers with a screwdriver by gently pushing them out of the hinge side as shown.



3. Remove the 1" long screws which hold the hinges to the frame, and carefully remove the old door.



4. For doors without hinges, mount the hinges to the door with the **new** short 3/4" screws. Adjust the hinge as far as possible towards the gasket. **For Air-Wash doors without hinges:** Use short 3/4" screws to fasten the hinges to the door. Long 1" screws will damage the inner door.

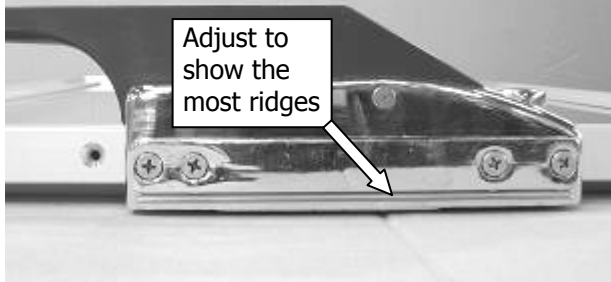


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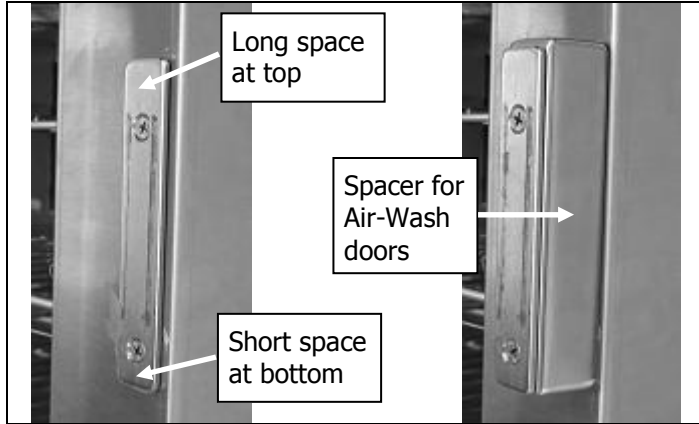
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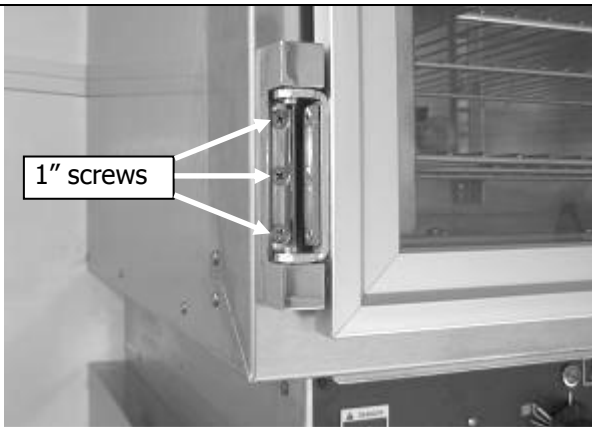
AHPO/EPO DOOR REPLACEMENT INSTRUCTIONS



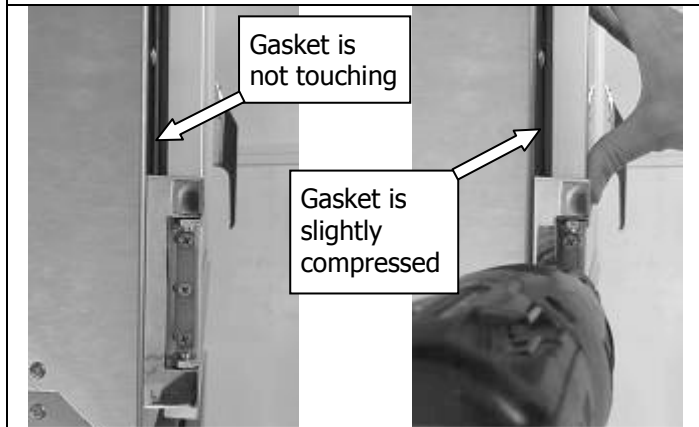
5. For doors without handles, mount the handle with the **new** screws and lock washers. The old screws may damage the door plate. Adjust the handle as far as possible towards the gasket.



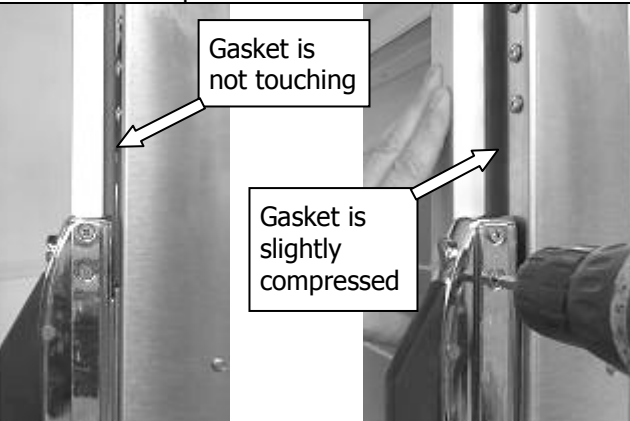
6. A new strike plate and mounting screws are also provided on doors with hinges. **For Air-Wash doors:** Mount the strike plate on the spacer. Use the long mounting screws.



7. Mount the new door assembly to the oven face. Engage the magnetic handle to the strikeplate to help hold the door in place. Then tighten the screws to secure the door on the frame. New 1" screws are provided.



8. Adjust the door position by moving the door frame to seal any gap between the gasket and the oven front near the hinges. Then tighten the hinge screws. Be careful not to compress the gasket too much, or it will cause the door to bind near the hinges.



9. Adjust the door position by moving the door frame to seal any gap between the gasket and the oven front near the handle.

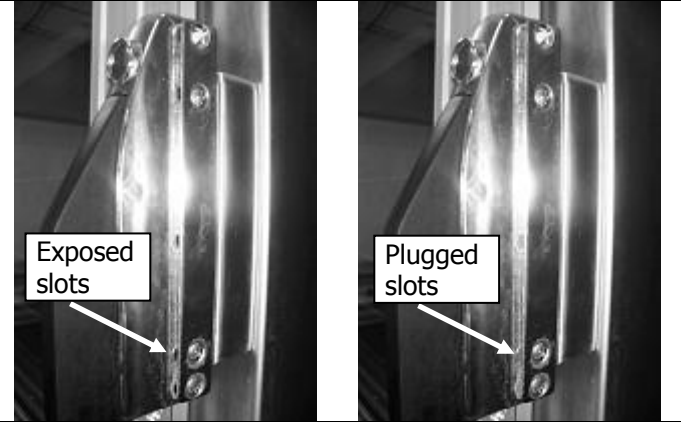


10. To check the gasket compression, close the door with a dollar bill between the gasket and the front of the oven. You should feel resistance when you try to pull the dollar bill out with the door closed. Do this check in several places and re-adjust the door if necessary.

AHPO/EPO DOOR REPLACEMENT INSTRUCTIONS



11. Replace Hinge Covers.
(New covers are provided with doors with hinges.)



12. If the slots are exposed, use the Silicone Sealer to plug the holes.

Air-wash door Information and cleaning instructions

The Air-Wash door has two window panes.

The inner window can be easily separated from the outer window for cleaning.

This is achieved by unlatching two clips, and the inner window swings on hinges.

After cleaning, the inner window frame is easily clipped to the outer window by squeezing the two windows together.



13. Air-Wash door instructions.

14. Air-Wash Door inside view.



15. Air-Wash Door hinges are attached to a bracket.



16. Air-Wash Door handle strikeplate is mounted to a spacer.



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17. To open the windows for cleaning, unlatch the top clip.



18. Unlatch the bottom clip.



19. Air-Wash Door bottom easily swings open for cleaning.

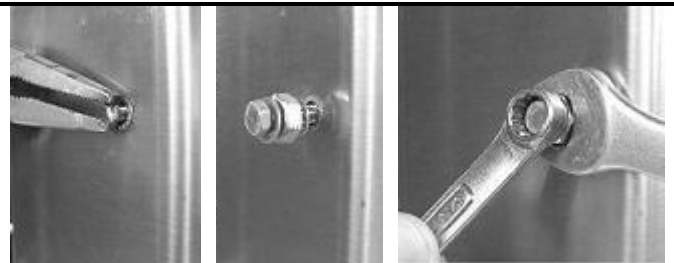


20. Air-Wash Door inner door is easily clipped to the outer door by squeezing them together.

Troubleshooting When a screw spins and cannot be removed



21. If a screw cannot be removed because the nutsert spins, drill out the screw head. Then use the hammer and centerpunch to make small dents on the edge of the nutsert so it will grip and not spin while the screw is removed.



22. Remove the screw. Then install the hex head screw, flat washer, 1/4-20 nut and lock washer. Tighten with your fingers. Then use the wrenches to tighten 1/4-turn. This will make the nutsert grip tightly, but not break the nutsert.



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AHPO 618 PROOFER/OVEN DOOR HANDLE RETRO-FIT

You will need:

P/N [600144](#) Kit, AHPO Door Handle Mounting consisting of:

1. This Instruction Sheets
2. #15 drill bit – 1 each
3. #12-24 tap – 1 each
4. #12-24 x 2" Phillips flat head (cnsk) screws – 6 each
5. Lock Washer, ¼ in. cnsk – 6 each
6. #10-24 x ¾in. Phil. flat head (cnsk) screws – 2 each
7. Plastic hole plug – 2 each

Other materials and tools needed:

1. Safety glasses
2. Duke P/N [502774](#) drill fixture
3. Variable speed drill
4. Standard flat blade screwdriver
5. Phillips screwdriver
6. T-handle tap wrench
7. Oil for drilling and tapping

1. Turn off oven and allow to cool.
2. Remove the plastic plugs and screws from the proofer door handle and set the handle aside. See pic. 1.
3. Position the drill fixture with beveled corners up on the edge of the proofer door. Line up the template holes with the door handle holes and attach securely with 2 – #10-24 x ¾ screws provided. See pic. 2.
4. Drill the door with the #15 drill bit provided. To avoid overheating the drill bit, apply oil to the drill bit and use a slower drill speed. The backer strip inside the door is made of 3/16" thick stainless steel. Drill through the drill bushing into the door. See pic. 3.
5. Remove the screws and the drill fixture and set them aside for later use. See pic. 4.
6. Drill the (2) #10-24 holes larger with the #15 drill bit provided. Note: These are the two holes that previously were used to attach the handle and the drill template. See pic. 5.
7. Insert the provided #12-24 tap into a T-handle tap wrench, apply oil, and thread the 3 holes. See pic. 6.
8. Insert 3 #12-24x2 hi-temp nylock patch screws into the handle Keeping equal distance between the handle and the door at all times, alternately tighten each screw to slowly pull the handle to the door. See pic. 7.
9. Insert a new plastic hole plug provided into the open (top) hole.
10. Repeat steps 1 through 9 for the oven door.
11. Follow steps on page 2 of these instructions to adjust both doors.



Pic. 1



Pic. 2



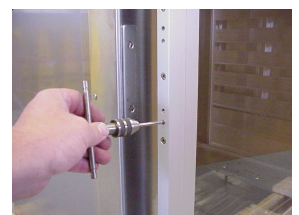
Pic. 3



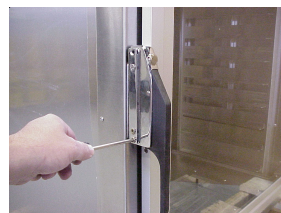
Pic. 4



Pic. 5



Pic. 6



Pic. 7



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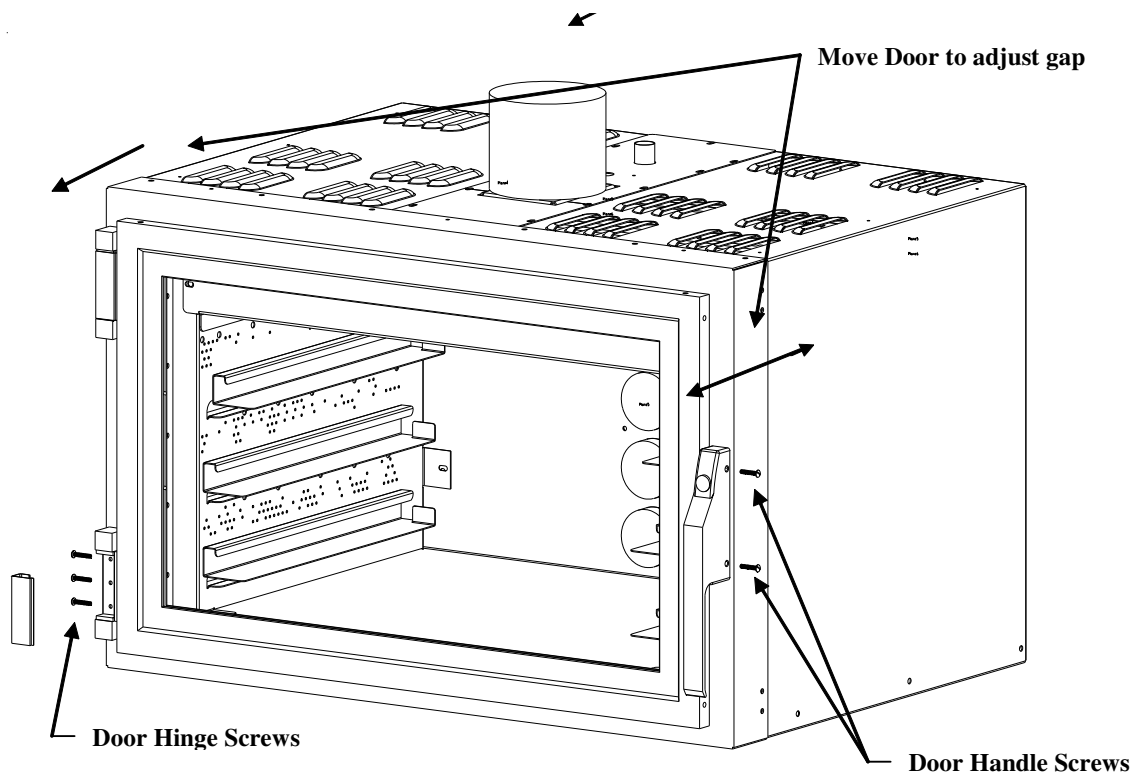
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Door Adjustments & Gasket Maintenance

Door Gasket Leak Adjustments

The doors should be checked for leaks every three months. The adjustment can be made by following the instructions below. If the door gasket is damaged, or compressed permanently, it should be replaced. Call Duke Manufacturing Co. at 800-735-3853 to order a new gasket before making adjustments.

1. With the door closed, remove the hinge covers with a screwdriver and loosen the six screws that hold the hinges to the door.
2. Adjust the door position by moving the door frame in or out to seal any gaps between the gasket and the oven front. Be careful not to compress the gasket too much, it will cause the door to bind up on the hinge side.
3. When the door is positioned, tighten the hinge screws.
4. Loosen the screws that hold the door handle in place.
5. Adjust the door position by moving the door frame in or out to seal any gaps between the gasket and oven front.
6. When the door is positioned, tighten the door handle screw.
7. To check the adjustment, close the door with a dollar bill between the gasket and the front of the oven. You should feel resistance when you try to pull the dollar bill out with the door closed. Do this check in several places and re-adjust the door if necessary.



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