

# **NU-VU**

## **UB-5/10**



### **SERVICE & REPLACEMENT GUIDE**

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Your UB-5/10 has been designed to be serviced quickly and easily. In fact, any individual who has average mechanical ability can do the work. Our Service Department is also available to you Monday through Friday from 7:00 a.m. to 5:30 p.m. (Central Standard Time) should you find yourself with a situation or problem other than what is outlined here. Call NU-VU® at (906) 863-4401 and ask for our Service Department to order replacement parts, ask questions, or offer comments.

This *SERVICE AND REPLACEMENT GUIDE* has been prepared to cover most normal service problems. If this "trouble-shooting" information does not provide a solution for your particular problem we ask that you call us for direct assistance. Calling our Service Department before calling in a repair technician can usually save you both time and unnecessary expense. We want to do everything we can to minimize your "down-time".

You may need to remove an Access Panel for servicing. **DO NOT** allow any Access Panels to drop. When work on the component is finished replace the Panel with care, making sure that all wires are properly placed and not pulled or pinched. If more than one component is being worked on try to remove only one component at a time.

## TEMPERATURE CONTROL, How To Adjust:

PLEASE CALL NU-VU®'S SERVICE DEPARTMENT AT (906) 863-4401 BEFORE ATTEMPTING TO ADJUST ANY TEMPERATURE CONTROL!

- A. Place a reliable thermometer (or the thermocouple of a test instrument) on a pan in the center of the Oven or Proofer. Turn the unit **ON** and set the Temperature Control to its normal setting. Allow the equipment to reach a stable operating temperature (approximately 35 to 45 minutes). Best results are obtained if the Temperature Control is allowed to cycle two or three times.
- B. Compare the Temperature Control setting to the reading on the test instrument after the Temperature Control Indicator Light goes out. If there is a difference of 25° or more you will most likely need to recalibrate the Temperature Control.

***IMPORTANT:** Please call NU-VU®'s Service Department at (906) 863-4401 for the correct procedures to recalibrate your equipment!!!*

- C. If the difference is less than 25° a simple adjustment may solve the problem:
  1. Remove the Knob of the Temperature Control by pulling it straight out from the face of the unit.
  2. Hold the black Knob securely with the back of the clear plastic dial toward you. Use a phillips screwdriver to loosen the two screws from ¾ to 1 full turn, *but do not remove them!*
  3. To increase the temperature inside the Oven or Proofer carefully rotate the index line on the clear dial clockwise. Each "click" of adjustment is equal to approximately 5° of temperature change in the Oven or 2° of temperature change in the Proofer. To decrease the inside temperature rotate the clear dial counter-clockwise.

4. Gently tighten the dial screws and install the Knob. Check the Control setting against the test instrument and repeat this procedure if necessary.
- D. If this procedure fails to bring the temperature reading within the desired specs try replacing the Temperature Control Sensor. If the temperature is still too far off replace the Temperature Control Circuit Board.

### **STANDARD DOOR LATCH, How To Adjust:**

If the Oven Door or Proofer Door is fitting too loose it will leak steam and/or hot air past the Door Gasket, and the Door Latch must be adjusted OUT (away from the unit). If the Door is too tight it will not close properly or will "pop" open unexpectedly, and the Door Latch must be adjusted IN (towards the unit). Please proceed as follows:

- A. Loosen the two acorn nuts inside the Latch Cover with a  $\frac{1}{2}$ " open-end wrench. Pull the Latch Cover straight out from the Oven Door or Proofer Door to remove it and remove the acorn nuts.
- B. Open the Door and take careful notice of the Adjustment Plate position against the body of the Door Latch.
- C. Hold the Adjustment Plate against the body of the Door Latch with one hand while you loosen the mounting screws with the other hand. Back the screws out approximately three full turns.
- D. *Carefully* move the Latch Body IN or OUT under the Adjustment Plate one notch at a time. Make sure the Door Latch stays straight up and down and tighten the mounting screws. Test the Door for proper closing and sealing (refer to the *DOOR TEST PROCEDURE*).
- E. Repeat steps "C" and "D" if you are not satisfied with the Door adjustment. If the Door tests as satisfactory make sure the mounting screws are tightened securely.
- F. Install the acorn nuts on the ends of the top and bottom Door Latch screws. Turn the nuts on all the way until they just contact the back side of the Latch Bracket, then loosen them by  $1\frac{1}{2}$  to 2 full turns. Install the Latch Cover and tighten the acorn nuts lightly to hold the Latch Cover in place.

### STEAM OPTION DOOR LATCH, How To Adjust:

If the Oven Door or Proofer Door is fitting too loose it will leak steam and/or hot air past the Door Gasket, and the Strike Hook on the Catch Plate must be adjusted IN (towards the unit). If the Door is too tight it will not close properly or will "pop" open unexpectedly, and the Strike Hook must be adjusted OUT (away from the unit). Please proceed as follows:

- A. Open the Door and take careful notice of the Strike Hook position on the top of the Door Latch Catch Plate.
- B. Hold the Strike Hook in position while you loosen the retaining screw with a phillips screwdriver. Back the screw out approximately 1½ to 2 turns.
- C. *Carefully* move the Strike Hook IN or OUT on top of the Catch Plate body one notch at a time and tighten the retaining screw. Test the Door for proper closing and sealing (refer to the *DOOR TEST PROCEDURE*). Proper Catch Plate and Latch adjustment will leave the Latch Hook fully engaged over the top of the Strike Hook, with approximately 1/16" of space between the top of the Strike Hook base and the end of the Latch Hook. Raise or lower the Catch Plate body if necessary.
- D. Repeat steps "C" and "D" if you are not satisfied with the Door adjustment. If the Door tests as satisfactory make sure all mounting and retaining screws are tightened securely.

*NOTE: If you have adjusted the Strike Hook IN as far as it will go and the Door is still loose, your Door Gasket has probably been compressed and has lost its resiliency and should be replaced.*

### DOOR TEST PROCEDURE:

- A. Cut one or two strips of paper approximately 1" wide and 8" to 10" long.
- B. Open the Door slightly, insert a strip of paper between the Gasket and Jamb and close the Door.
- C. Slowly pull the paper strip out. You should feel some resistance as you pull the strip from between the Gasket and Jamb of a properly adjusted Door. Test the fit at regular 2" to 3" intervals around the entire Door.
- D. If you feel NO resistance at a particular spot the Door is too loose, you have found a weak or damaged spot in the Door Gasket or the Jamb has been bent in.
- E. If you feel HEAVY resistance at a particular spot the Door is too tight or the Jamb has been bent out.

### HINGES, How To Adjust:

Hinges on all flush-mount Doors are preset at the factory and should not need adjustment. However, if you experience any problems with Door operation please call NU-VU®'s Service Department at (906) 863-4401 for assistance.

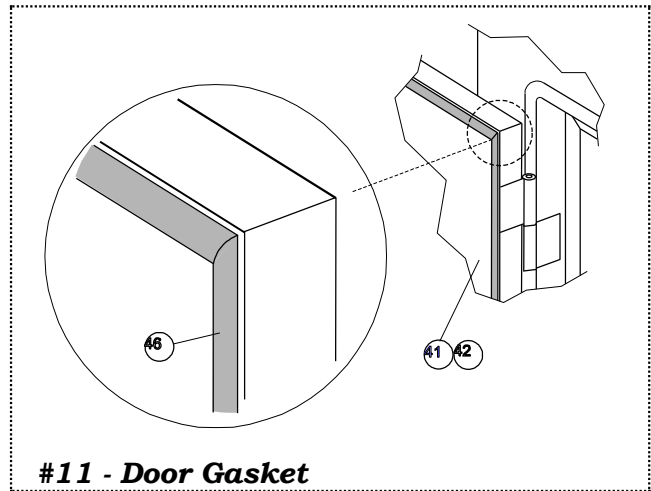
## DOOR GASKET, How to Replace:

Follow these instructions to correctly install your Door Gasket with minimal problems. Use the installation kit provided. If you have any problems or questions call NU-VU® at (906) 863-4401 and ask for the Service Department.



**IMPORTANT: DO NOT DISASSEMBLE THE ACTUAL DOOR FRAME WHEN REPLACING OR REPAIRING ALL OR PART OF THE DOOR GASKET!!!**

- A. Remove all pieces of the old Gasket. Thoroughly clean the Door frame in the area of the new installation. Remove the old sealant and any baked-on deposits.
- B. Pre-cut the replacement Gasket to a size slightly longer than you require.
- C. Put a small amount of soap water into and around the slot that the new Gasket will fit into (a small trigger spray bottle works well). This step is optional but will help in the installation.
- D. Position the new Gasket over the slot, allowing the ends to extend past the end of the slot. Press the mounting flange down into the slot on the Door frame. Use a roller tool to force the mounting flange into the slot by working the tool back and forth along the Gasket. Make sure the Gasket mounting flange is completely fitted into the slot and that the Gasket is free to slide back and forth in the slot.



**IMPORTANT: DO NOT STRETCH OR PULL ON THE GASKET DURING THE INSTALLATION. THIS WILL LATER CAUSE THE TRIMMED CORNERS TO SEPARATE AND PULL APART!!!**

- E. Use a sharp knife or a single-edged razor blade to cut the ends of the Gasket at a 45° angle (you can use the mitered corner joint on the Door as an angle guide). Cut the Gasket about 1/4" longer than the required length and work the excess back into the slot. This extra Gasket will help to create a nice tight corner joint, and allows for any follow-up trimming that may be necessary.
- F. Work your way around the entire Door (or the section of the Door having the Gasket replaced). Make sure the Gasket is just tight into the corners. A bulging joint or pucker along the Gasket indicates a Gasket section that is cut too long. Joints that pull apart indicate a Gasket section (or sections) that is cut too short.



**IMPORTANT: MAKE SURE THAT THE GASKET AND DOOR FRAME ARE CLEAN AND COMPLETELY DRY BEFORE APPLYING ANY SEALANT!!!**

- G. Seal the corner joints after the entire Gasket is properly fitted. Pull the joints apart only enough to put sealant on all the *cut edges only*. Allow the Gasket joint to come together. Smooth out any excess sealant to form a smooth surface on the face of the Gasket. Add more sealant to any spots as necessary and smooth them down.
- H. A quality sealant will be dry to the touch and tack-free in one to two hours after application. However, it will not be completely cured until six to eight hours later. We recommend that you wait until after your sealant is completely cured before using your Oven.



**WARNING: SOME SEALANTS GIVE OFF ACIDIC FUMES AS THEY CURE. THESE FUMES MAY CAUSE IRRITATION TO THE EYES AND/OR NASAL PASSAGES. USE CAUTION WHEN OPENING YOUR UNIT AFTER WAITING FOR ANY FRESH SEALANT TO SET UP AND CURE!!!**

# REPLACEMENT PARTS LIST

(U B – 5/10)

Reference #	Description	Replacement Part #
<b><u>ELECTRICAL COMPONENTS:</u></b>		
1	Power Terminal Block .....	50-0237
2	Ground Lug/Clamp .....	50-1329
3	Contactor 240v .....	66-2017
	120v .....	66-2013
4	Oven Temperature Control Circuit Board .....	252-5008
5	Oven Temperature Control Sensor .....	252-3001
6	Oven Heating Element:	
	208v, 3500w .....	60-0149-A
	240v, 3500w .....	60-0150-A
7	Oven Motor Assy w/ Blower Wheel 120V .....	250-1027
	Oven Motor Assy w/ Blower Wheel 240V .....	250-1063
8	Micro Switch .....	252-2004
9	Thermal Overload Safety (Auto Reset) 425* .....	66-1114
10	Buzzer Alarm .....	252-1022
11	Proofer Temperature Control Circuit Board .....	252-4001
12	Proofer Temperature Control Sensor .....	252-3001
13	Proofer Humidity Control Circuit Board .....	252-4001
14	Proofer Humidity Control Sensor .....	252-3001
15	Proofer Heating Element, 120v 600w .....	60-0001-1-B
16	Proofer Humidity Element, 240v 650w ‡ (Manual Fill) .....	251-2002
	120v .....	251-2001
17	Proofer Motor Assy 240v (Manual Fill) .....	250-2012
	120v .....	250-2004
18	Light Fixture:	
	Socket, Globe, Gasket Oven 240v .....	252-7005
	Socket, Globe, Gasket Proofer 240v .....	252-7007
	Light Bulb 240v .....	50-1025
	Socket, Globe, Gasket Oven 120v .....	252-7004
	Socket, Globe, Gasket Proofer 120v .....	252-7006
	Light Bulb 120v .....	50-0695
	Light Cover 120/240v .....	50-1021
	Socket, Globe, Gasket 12v .....	112-9175
	Light bulb 12v .....	(as of 7/27/11) 50-1412
	12v Light Transformer .....	112-9184
<b><u>OVEN CONTROLS:</u></b>		
19	Rocker Switch 240v .....	66-3008
	120v .....	50-1355
	Black Breaker Switch .....	252-6001
20	Oven Temperature Control .....	252-5008

	Control Knob .....	253-2003
21	Temperature Control Indicator Light 240v .....	50-0030
	120v .....	50-0029-A
22	Timer	
	60-Minute Mechanical (120V, 60Hz) .....	252-1004
	60-Minute Mechanical (220V, 60Hz) .....	252-1019
	60-Minute Mechanical (230V, 50Hz) .....	252-1020
	Timer Knob .....	253-2002

**PROOFER CONTROLS:**

23	Proofer Power Switch .....	66-3008
	120v .....	50-1355
	Black Breaker Switch .....	252-6001
24	Proofer Temperature Control .....	252-4001
	Control Knob .....	253-2003
25	Temperature Control Indicator Light 240v .....	50-0030
	120v .....	50-0029-A
26	Humidity Control .....	252-4001
	Control Knob .....	253-2003
27	Humidity Control Indicator Light 240v .....	50-0030
	120v .....	50-0029-A

**DOORS:**

28	Oven Door:	
	Hinged Left .....	DOOR-15
	Hinged Right .....	DOOR-81
29	Proofer Door .....	DOOR-18
30	Oven Door Latch/Catch Assembly:	
	Standard, Magnetic .....	254-2025
	Steam Option, Magnetic/Mechanical .....	254-2006
	Catch only.....	254-2004
	Magnetic conversion kit.....	254-2029
31	Door Hinge:	
	Left Side .....	254-3011
	Right Side .....	254-3012
32	Door Gasket Oven .....	254-1014
	Proofer.....	254-1015

**OVEN INTERIOR COMPONENTS:**

33	Oven Motor Assy w/ Blower Wheel .....	250-1063
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**PROOFER INTERIOR COMPONENTS:**

34	Proofer Motor Assy 240V.....	250-2012
	120V .....	250-2004
35	Water Pan .....	50-0072



**EXTERNAL COMPONENTS:**

36 Caster ..... 50-0058  
 37 Water Inlet Fitting ..... 31-0058  
 38 Proofer Drain Pan ..... 50-0547

**COOK-N-HOLD OPTION:**

39 Hold Temperature Control ..... 252-4001  
     Control Knob ..... 253-2003  
 40 Hold Temperature Control Indicator Light 240V ..... 50-0030  
     120V ..... 50-0029-A  
 41 Hold Temperature Control Circuit Board ..... 252-4001  
 42 Hold Temperature Control Sensor ..... 252-3001  
 43 Timer, 24-Hour 120v 60 Hz ..... 252-1005  
     220v 60 Hz ..... 66-1160  
     230v 50 Hz ..... 66-2016  
     Timer Knob ..... 253-2002  
 44 Electrical Relay Switch, 20 amp DPDT 240v ..... 66-9025  
     120v ..... 50-0433  
 45 Transformer 230v-115v ..... 56-0108

**INTERNAL STEAM OPTION:**

46 Steam Switch ..... 50-1356  
 47 Steam Switch Indicator Light 240v ..... 50-0030  
     120v ..... 50-0029-A  
 48 Water Supply Solenoid Valve 240v ..... 50-0307-1  
     120v ..... 50-0308-1  
 49 Water Injection Nozzle ..... 31-0033

**AUTO-MIST PROOFER OPTION:**

50 Humidity Control ..... 252-3003  
     Control Knob ..... 253-2003  
 51 Repeat Cycle Timer 240v ..... 66-8065  
     120v ..... 66-8012  
 52 Water Supply Solenoid Valve 240v ..... 50-0307-1  
     120v ..... 50-0308-1  
 53 Humidity Injection Nozzle ..... 31-0033  
 54 Motor Assy w/ Blower Wheel 240v ..... 250-2015  
     120v ..... 250-2010