



# Instructions for Converting NS-1000 to NS-1000E Kit N° 093598

Drawing N°	Rev
12874-00	B
Page 1 of 3	

## PURPOSE

To update your NS-1000 dispenser to the NS-1000E configuration.

## KIT INCLUDES

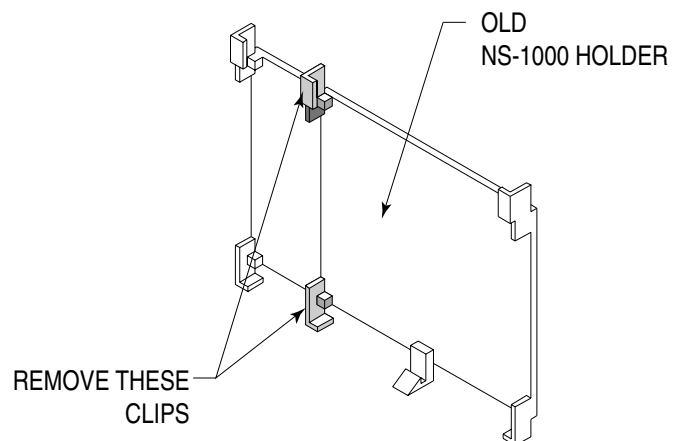
NS-1000E Printed Circuit Board (PCB) .....	091856	.....	1 ea
Label (Front cover) .....	095859	.....	1 ea
NS-1000E Menu Card .....	093586	.....	1 ea
Printed Circuit Board Holder ...	057190	.....	1 ea
Sanitizer Pump Harness .....	093403	.....	1 ea (White / orange / black wires)
Pressure switch Harness .....	092104	.....	2 ea (White wires)
Transformer Harness Adapter ..	093597	.....	1 ea (Orange wires)
Tie-wraps .....	041318	.....	10 ea
NS-1000E Manual .....	091936	.....	1 ea
Adhesive Strip .....	096071	.....	1 ea

## CONVERSION PROCEDURE

Follow in order written.

1. Turn dishmachine power off.
2. Disconnect the power at the terminal block.
3. Pop out the prime button covers from the top cover.
4. Peel off the NS-1000 label from the top cover & clean off residual adhesive.
5. Unplug all the PCB connectors (including probe wires).

6. Unsnap and remove the NS-1000 PCBs (two).
7. Cut all of the tie-wraps holding the wiring harnesses for the motor(s) and transformer secondary leads.
8. Switch the wires running to the detergent pump/solenoid (left pump) with the sanitizer pump (center pump).
9. Peel off and remove the left PCB holder. Clean off the residual adhesive.
10. Attach the kit PCB holder to the left of the existing NS-1000 holder.
  - Cut the kit adhesive strip to fit the NS-1000E PCB holder.
  - Peel the tan paper from the adhesive strip.
  - Press sticky side to the holder.
  - Peel the white paper away from the holder.
  - Attach to the NS-1000 cover as shown in the sketch.





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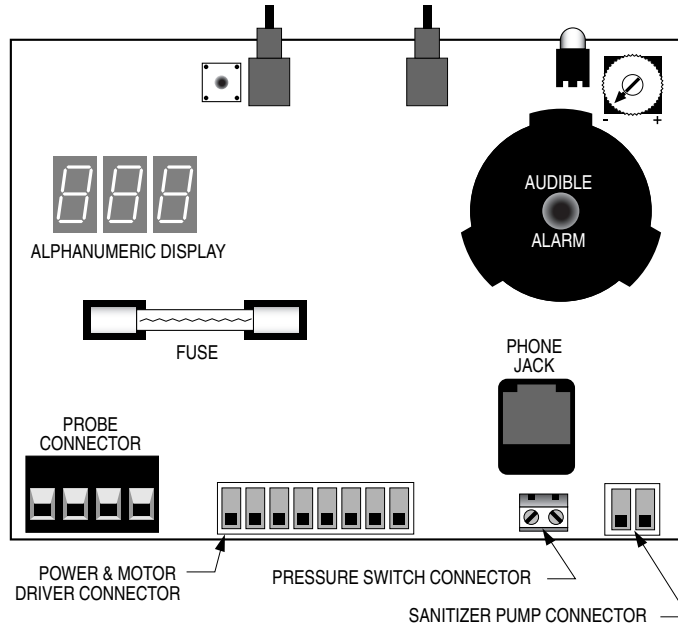
Page 2 of 3

11. Trim off the clips on the left edge of the remaining NS-1000 PCB holder using a sharp knife. See sketch for location.
12. Attach the NS-1000E kit PCB to the holders.
13. Remove & discard the NS-1000 wire harness which was plugged into the left NS-1000 PCB (two orange wires and a white / orange / black pair).
14. a. For dual transformer models:  
  
Using the kit transformer harness adapter (orange wires), connect the left transformer harness to the new NS-1000E PCB (See the NS-1000E wiring diagram and PCB layout).  
  
b. For single transformer models with a pressure switch:  
  
Cut the two pressure switch wires at the right NS-1000 PCB connector (on the left end of the connector). Do not strip these wires since they are not used with the NS-1000E.  
  
Using the kit pressure switch harness (white wires), connect the pressure switch to the PCB terminal (light green screw terminal, second from the right on the NS-1000E PCB) (See the NS-1000E wiring diagram and PCB layout).
15. Plug the wire harness (originally connected to the right NS-1000 PCB) into the right side of the center terminal of the new NS-1000E PCB (see the NS-1000E wiring diagram and PCB layout).
16. Connect the Sanitizer Pump (center pump) to the right NS-1000E terminal using the kit sanitizer pump harness (white / orange / black wires) (see the NS-1000E wiring diagram and PCB layout).
17. Tie-wrap the new harnesses to the wire anchors to clear the pump motors when the dispenser doors are closed.
18. Attach the NS-1000E label to the top cover (peel off the protective backing and stick the label to the cover).
19. Reconnect the probe connector to the new PCB.
20. Reconnect the power from the warewasher to the NS-1000E terminal block. Apply power. Turn on the NS-1000E on / off switch and program unit as described in the manual supplied with the kit.

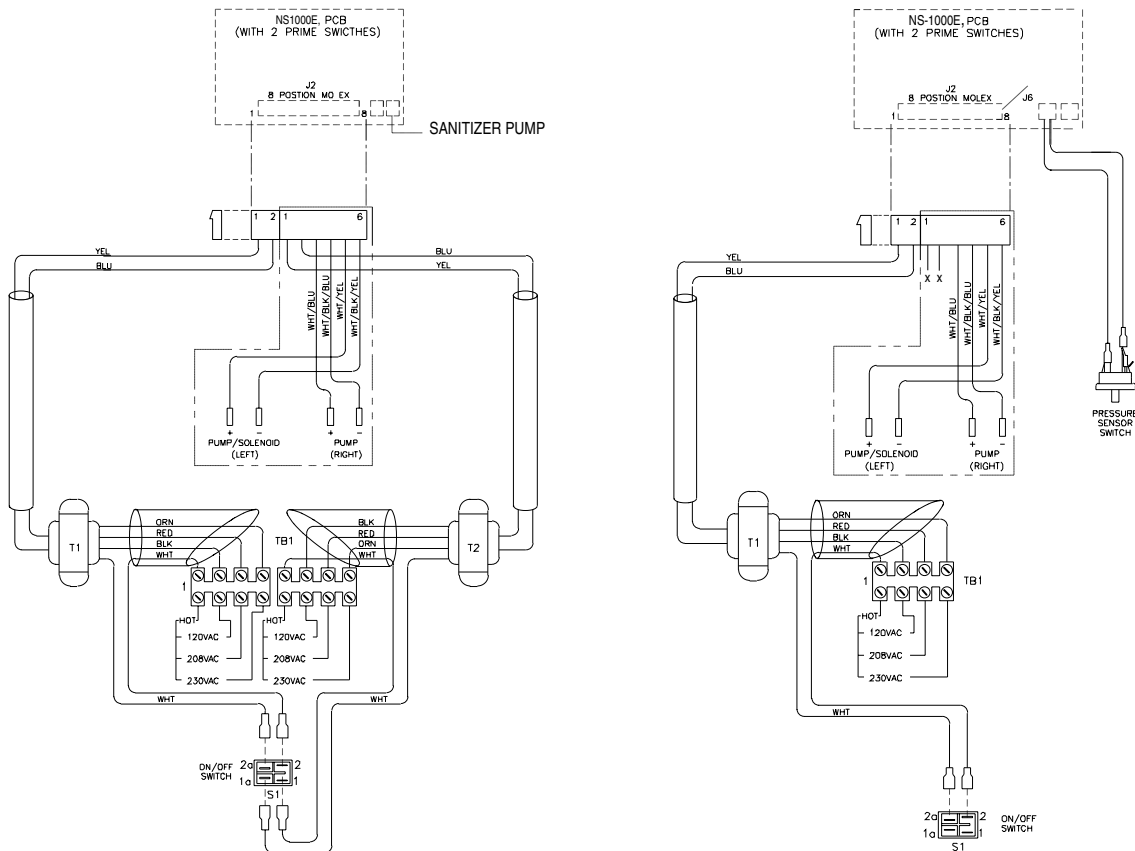


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Drawing N°	Rev
12874-00	B
Page 3 of 3	



NS-1000E PCB



NS1000E,W/2 TRANSFORMERS

NS-1000E,1 TRANSFORMER W/ PRESSURE SWITCH