

Changing Membrane Switch(s) on UHC

Follow these instructions to install new display membrane(s) on a McDonald's Universal Holding Cabinet.

- Remove power from unit.
- Remove sides of cabinet. **Fig: 1**
- Release ribbon cable from top of driver board on left side of unit. **Fig: 2.**
- Feed ribbon cable into space between slots.

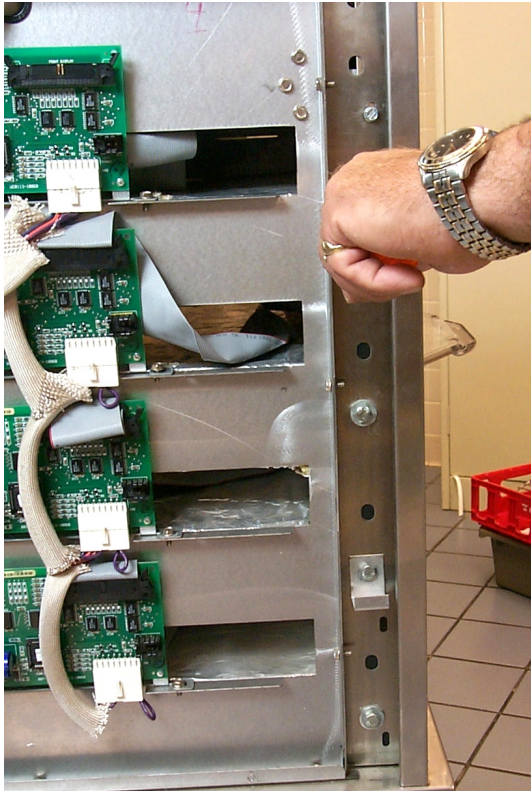


Fig: 1 Remove allen screw and bolts securing bezel in UHC cabinet.

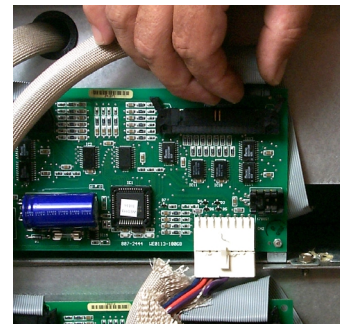


Fig: 2 Remove ribbon cable from driver board.

- Remove allen screw (not on early units) locking display bezel in place.
- Loosen bolt holding bezel.
- Remove bezel, which contains the display, from the unit. **Fig: 3**
- Place bezel

face down on table with slot hole at bottom and remove metal

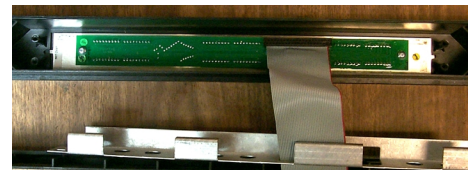


Fig: 4 Note ribbon cable is at top of bezel opening.

frame holding display. Note position of rib on metal frame and position of ribbon connection on display. **Fig 4**



Fig: 3 Feed ribbon cable out of UHC when bezel is removed.

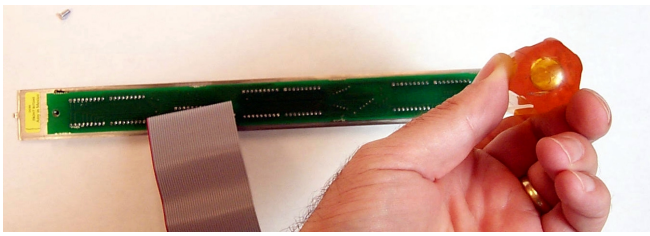


Fig: 5 remove the two screws securing the display board to the membrane switch.

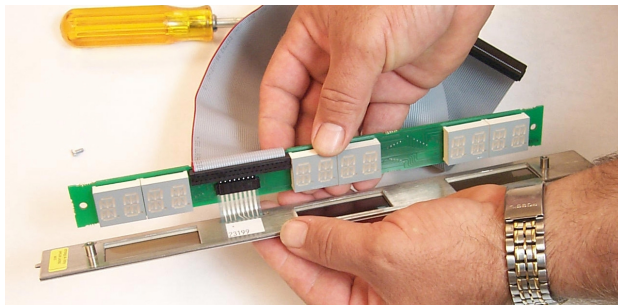


Fig: 6 Separate the display board and the membrane switch.

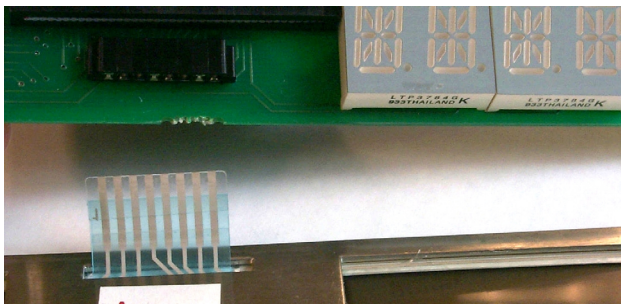


Fig: 7 The ribbon on the membrane switch is pulled free of the connector on the display board.

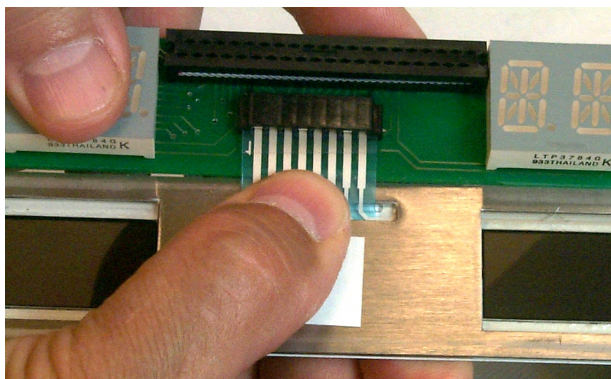


Fig: 8 Hold the ribbon cable flat when attaching the new membrane to the display board. The non-terminated cable will not seat properly if it is allowed to bow while inserting into connector.

- Remove old display assembly.
- Clean bezel.
- Remove screws connecting the membrane switch to the display board. **Fig 5**
- Gently separate the membrane switch from the display board. **Fig 6.**
- Disconnect the non-terminated ribbon, which connects the membrane switch to the display board, by gently pulling the cable from the connector on the display board. **Fig 7**

Note: Early production units had the membrane switch soldered to the display assembly. For these units, the complete display assembly must be replaced. Front Display Assembly: 807-3309; Rear Display Assembly: 807-3310

- Attach the new membrane switch to the display board by sliding the non-terminated ribbon into the connector on the display board. **Note:** the ribbon must be held flat during insertion. If it bows, it will not seat correctly. **Fig: 8**
- Replace screws securing display board to the membrane switch.
- Return the display assembly to the bezel with ribbon connection at top.
- Reposition metal frame. **Fig 9**
- Return bezel to UHC, feeding ribbon cable through slot and back to the display driver board.



Fig: 9 Position metal framework as shown.

- Reconnect ribbon cable to driver board.

CN2 Connectors

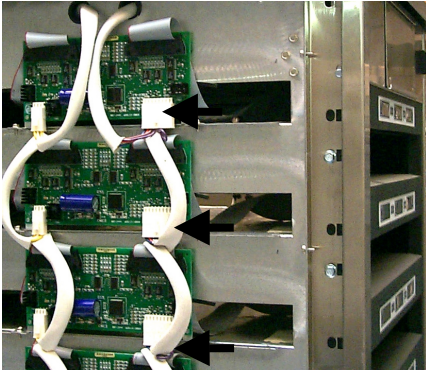


Fig: 10: CN2 connectors are disconnected from the driver board to test new displays.

- When all membranes have been replaced, perform this test to ensure the displays are operating correctly:
- With the cabinet's sides still off, disconnect CN2 connector from the display driver(s) to be tested. **Fig 10.** Plug unit in and turn on power switch. The selected display will show "Disp Test Mode". Press each function button on the selected membrane switch, starting with the timer key at the left. Each button must be pressed in sequential order, starting at the left on the front display and continuing to the rear display. After all buttons have been pressed, each LED (Light Emitting Diode) display should illuminate sequentially. **Fig: 11**

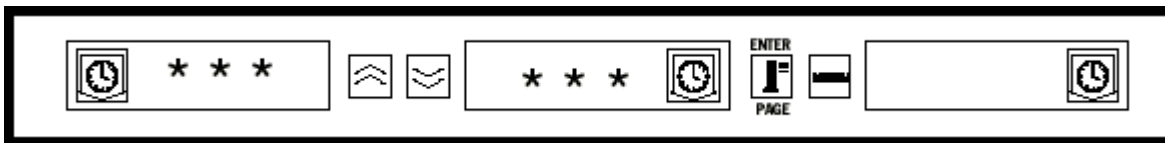


Fig: 11: In the test mode, asterisk-like symbols will illuminate in the displays, appearing to march from display to display from left to right. In units with rear displays, this light motion is repeated on the rear displays. Note: The rear display is differentiated from the front by the absence of UP/DOWN arrows and a MENU switch.

- If the display fails to perform in this manner, check connection between ribbon cable and display driver, ribbon cable and display assembly and non-terminated ribbon cable and membrane switch.
- **Turn off power.** Reconnect CN2 connector. Install sides and return unit to operation.