

merco

Instruction Sheet

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Follow these instructions to replace Merco Holding Cabinet Touch Screen Controllers with Ultratronik Controllers in the MercoMax Touch Screen Visual Holding Cabinets with SN2604 and later.

Subject: 8263948 Merco UXA7 Touch Screen Replacement Kit Instructions for **SN 2604 and later.**

Models affected: MercoMax Touch Screen Visual Holding Cabinets

In This Kit (Components vary by kit)

Part #	Description	Qty
8076760	CONTROL, UX CUI	1
130401843	SCREW, M3 X 10 THREAD FORMING	8
8198087	INSTRUCTIONS	1
130432115	HARNESS, UX UI CABLE ADAPTER W	1
8076535	COUPLER-COMMON TOUCHSCREEN	1

1. Remove power from the unit.
2. Remove the lid and/or panels to access the failed controller (see Figures 1-3). It may vary based on model.
3. Disconnect any cables or wires from the rear of the touch screen, marking their position for reassembly.
4. Supporting the screen from the front, remove the eight (8) (2 top and bottom; 2 left and right sides) #10 Torx screws using a #10 Torx driver, that attach the touch screen to the bracket (see Figures 4 & 5).
5. Disconnect all cables from the failed touch screen controller.
6. Place the old & new controller on a flat surface in another area of the restaurant (see Figure 6).



Figure 1



Figure 2



Figure 3

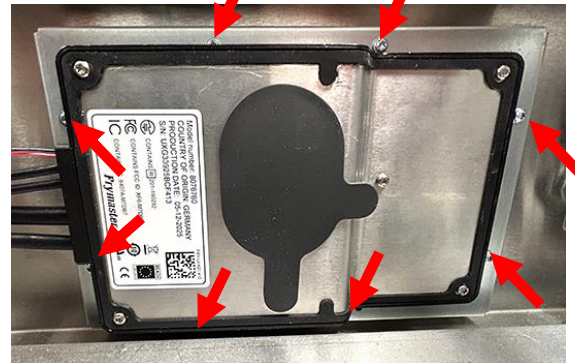


Figure 4

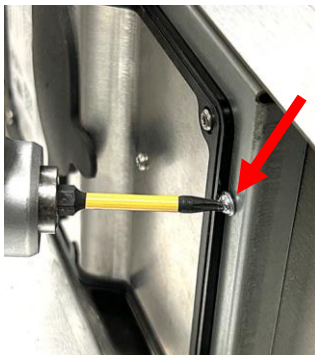


Figure 5



Figure 6

7. Gently lift the rubber cover on the rear of the controllers and rotate gently to one side to access the SD card slot reader (see Figures 7 & 8).
8. Gently slide the SD card reader lock, of the old controller with the SD card, towards the **RIGHT** as shown (see Figure 9).
9. Carefully lift the lock up and remove the SD card (see Figure 10).



Figure 7



Figure 8

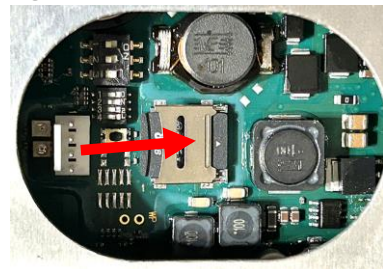


Figure 9



Figure 10

10. On the new controller, gently slide the lock towards the **RIGHT** as shown arrow towards the gray plastic edge until the top retainer stops (see Figure 11).
11. Gently lift the lock and flip all the way open (see Figures 12 & 13).

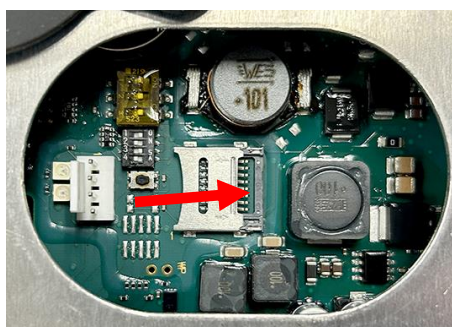


Figure 11

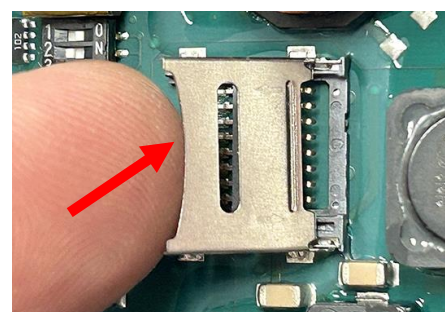


Figure 12

12. Carefully insert the SD card into the slot, with the contacts facing down as shown. The tab should fit into the notch on the side of the SD card (see Figure 14).
13. Gently lower the lock and slide towards the **LEFT** as shown until it stops (see Figure 15). The SD card should be flush with the front of the SD card holder.

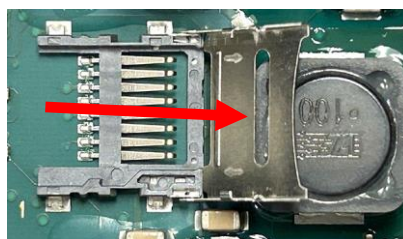


Figure 13



Figure 14

14. Ensure the dip switch positions match the table on the following page (see Figure 15a).

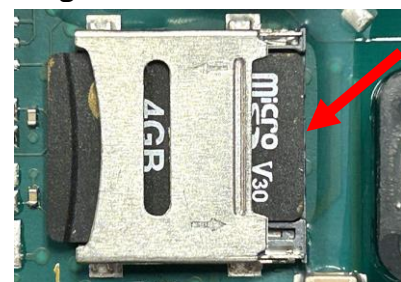


Figure 15

MERCO, UHCTHD

3-Dip Switches

- 1- OFF
- 2- OFF
- 3- ON

4-Dip Switches

- 1- ON
- 2- OFF
- 3- ON
- 4- ON

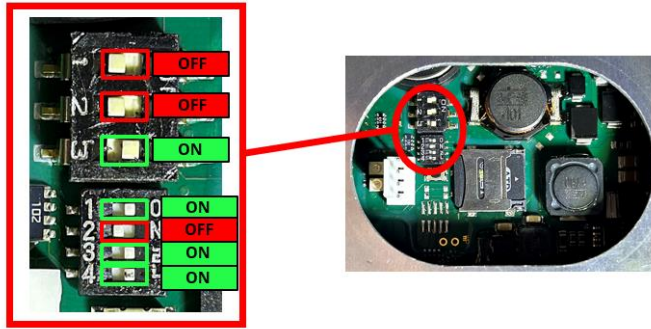


Figure 15a

15. Rotate the rubber cover back over the opening (see Figure 16).



Figure 16

15. Insert the controller wire harnesses through the cabinet opening through the metal retaining bracket as shown (see Figure 17) as seen from inside the cabinet.



Figure 17

16. Rotate the bracket and controller so that they sandwich the cabinet frame between them as shown, with the wire harnesses positioned as shown (see Figure 18).

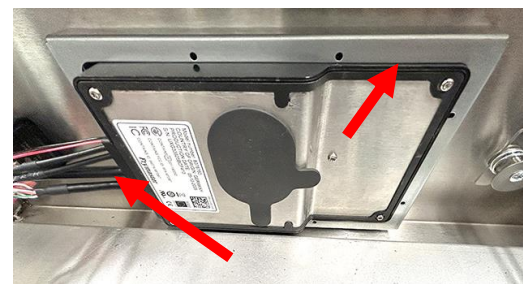


Figure 18

17. Using the eight (8) supplied screws, attach the metal frame to the controller with a #10 torx driver (see Figure 19). Torque carefully to 6in-lbs to avoid breaking plastic of the controller. **DO NOT OVER TIGHTEN the screws.**

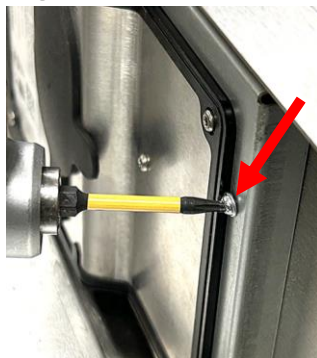


Figure 19

18. Attach 130296322 20-pin harness with the two (2) USB and ethernet connector (Figure 20) to the 20-pin connector of the controller (see Figure 21).



Figure 20

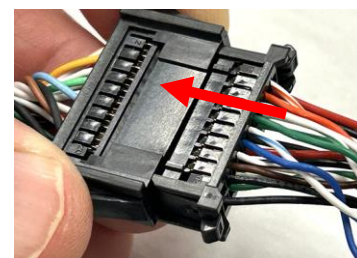


Figure 21

19. Connect the 2-wire red and black speaker wire (see Figure 22).
20. Connect the two (2) USB extensions to the harness connected in step 18 (see Figure 23).



Figure 22

21. **DO NOT CONNECT ANY CABLE TO THE ETHERNET CONNECTION IN FIGURE 23 or 24! (see Figure 24). Plugging an IO board harness into this port can permanently damage the controller.**



Figure 23

22. Connect the 8076535-coupler harness (see Figure 25) 12-pin connector to 12-pin connector on the controller (see Figure 26).



Figure 24

23. Connect the 8076535-coupler 6-pin CANBUS connector to the 6-pin CANBUS harness from the other controller (see Figure 27)



Figure 25

24. Connect the 8076535-coupler RJ (ethernet) connector to the RJ (ethernet) cable from the IO board (see Figure 28). **NOTE: This is only for the primary controller. The secondary or rear controller will NOT need to be attached to the IO board.**



Figure 26



Figure 27

25. Reconnect power and turn on the power switch.
26. If the new controller powers up and fully boots, it may go to go to step 29. If the new controller **DOES NOT** boot up, check to ensure the SD card is correctly inserted.



Figure 28

27. Check all connections to ensure that the connections are secure.
28. If replacing a Primary (Front controller) DO NOT attach the rear Wi-Fi dongle port to the controller, as this will no longer be used. The Wi-Fi will use the built-in antenna in the primary controller.

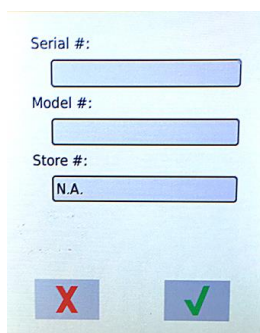


Figure 29

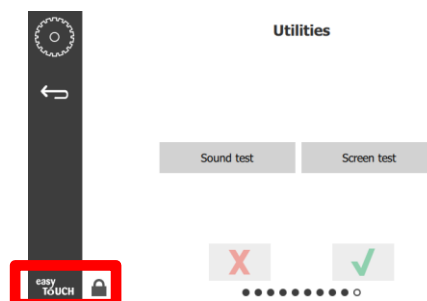


Figure 30

29. Reattach the top and return the cabinet to service.

30. It may be necessary to enter the serial # and model # from the rating plate (see Figure 29).

31. If the configuration needs to be reset follow these steps:

32. Press the button. Press the button. Swipe to the left to **Utilities**.

33. Press and hold the easyTouch logo in the lower right corner for 10 seconds. The controller displays Reset Configuration. Press the GREEN checkmark button. (see Figure 30).

34. Power cycle the cabinet.
35. Reattach the side and top of the cabinet.
36. Reconnect power to the unit and power on the unit.
37. After the cabinet boots up, the controller displays the orientation screen (see Figure 31). Select the arrow which matches the orientation of the screen.

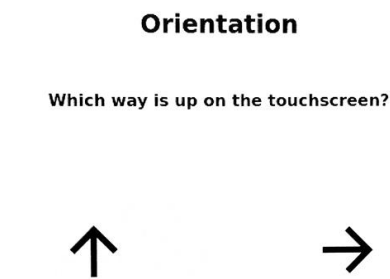


Figure 31

38. The controller displays the model # configuration screen (see Figure 32).
39. Press the down arrow (see Figure 32) and select the correct configuration for the cabinet configuration (see Figure 33). The first number is the # of vertical slots. The second number is the # of trays horizontally. If the controller is horizontal, use the model number with an "L" on the third character from the right. The next to the last character has a "1" for single sided and a "2" for double sided. Once the model is selected, press the **Config** button if a double-sided unit. For single sided units, once the model is selected, proceed to step 58.

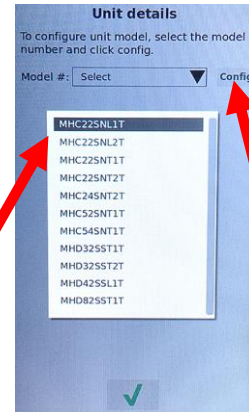


Figure 33

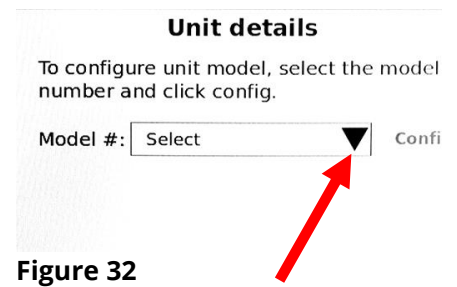


Figure 32

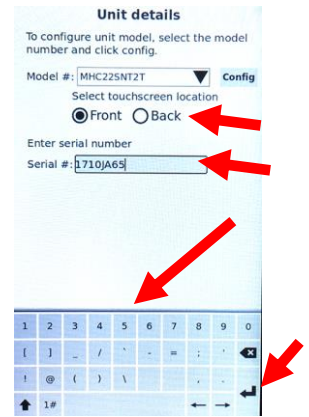


Figure 34

40. On double sided units select controller location: **Front** or **Back** (see Figure 34) or **Left** or **Right** on 5x4 units.
41. Press the Serial # field and use the keyboard to enter the serial number of the cabinet. It is critical that the Cabinet Information including the Serial # and the Model # **ALL** be entered into these fields (see Figure 34). If any information is missing or incorrect in any of these fields, the cabinets will not communicate with other cabinets. When finished, press the return key (see Figure 34) and the GREEN checkmark button (see Figure 35).
42. The controller displays "**Save selected configuration?**" Press the green checkmark button to continue (see Figure 36). If another display on the cabinet needs to be configured, repeat steps 32-42 on that display.
43. The controller displays "**Unit configuration successful. Reboot the unit.**" (see Figure 37). Power cycle the cabinet by switching OFF the power switch for five (5) seconds and switching back on.

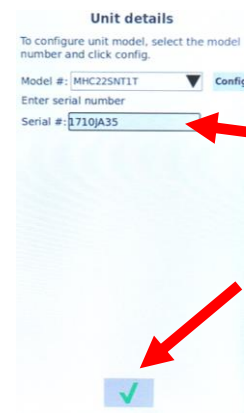


Figure 35

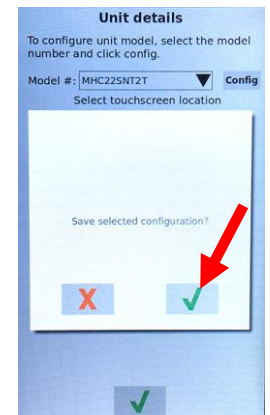


Figure 36

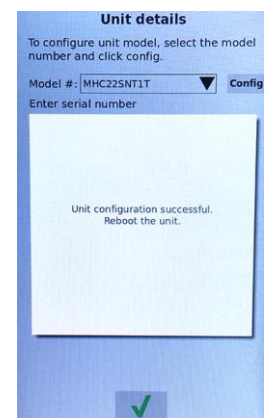


Figure 37

44. Once the cabinet is fully rebooted, the main screen is displayed (see Figure 38).
45. Press the tools icon (gear) from the home screen (see Figure 39).
46. Swipe two (2) times towards the right. The System Information is displayed (see Figure 40).
47. It is critical that the Cabinet Information including the Serial #, the Model # and the Store # **ALL** be entered into these fields (see Figure 40). If any information is missing or incorrect in any of these fields, the cabinets will not communicate with other cabinets.
48. To enter the information in the fields press the lock icon in the lower left corner of the display (see Figure 41).
49. Enter code **159357** and press the GREEN checkmark button (see Figure 42).
50. The lock icon will change to unlocked
51. Press the area with the missing information and the Serial #, Model # and Store # are displayed (see Figure 43).
52. Press on the desired field to edit. Use the keypad to enter the information.
53. Repeat for each field of data.
54. When finished entering the data, press the GREEN checkmark button (see Figure 44).
55. Press the "return" arrow to return to the home screen (see Figure 45).
56. Press the Press & Go button to view the products (see Figure 46).
57. **Test-100** is displayed.
58. Press Home button (see Figure 47).
59. Press the USB button (see Figure 48).
60. Press the lock icon in the lower left corner (see Figure 49).
61. Enter code **159357** and press the GREEN checkmark button (see Figure 50).
62. The lock icon will change to unlocked.
63. Press and hold the clockwise arrow for two (2) seconds (see Figure 51).



Figure 38

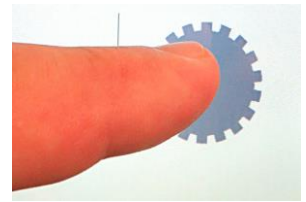


Figure 39

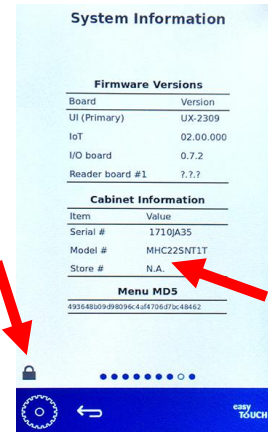


Figure 40



Figure 41

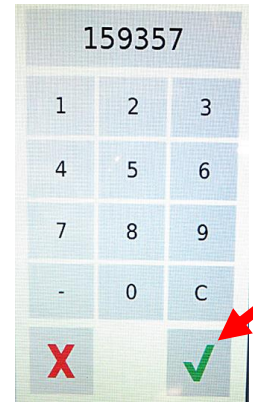


Figure 42

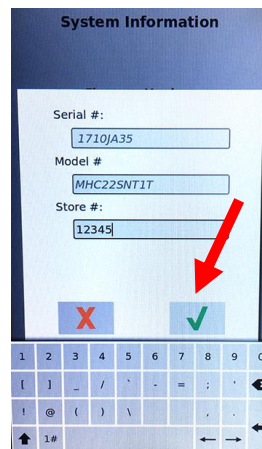


Figure 43



Figure 44



Figure 45



Figure 46



Figure 47



Figure 48



Figure 49



Figure 50

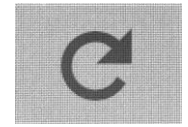


Figure 51

64. The menu configurations are shown (see Figure 52).
65. Select the cabinet type (see Figure 52). Ensure that 2x2-2 NonCL.vhc or similar **-2** configuration is chosen.

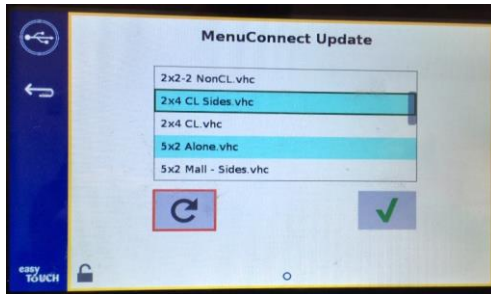


Figure 52



Figure 53

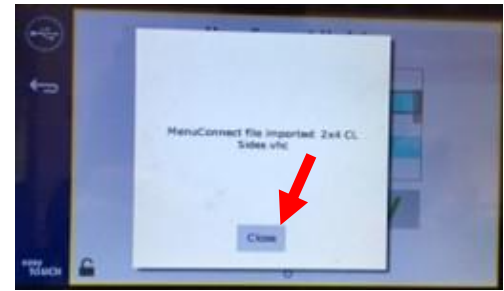


Figure 54

66. Press the check button (see Figure 53).
67. MenuConnect file imported is displayed (see Figure 54).
68. Press the **Close** button.
69. Press the unlock button (see Figure 55).
70. Press the "return" arrow to return to the home screen (see Figure 56).
71. Press the Press & Go button to view the products (see Figure 57).



Figure 55



Figure 56



Figure 57

72. The normal products are displayed.
73. Additional Steps are listed below if **individual** menu items need removed from the screen, otherwise skip to step 74.
 - a. Press the Home button.
 - b. Press Open Book (Library).
 - c. Press the Day Part button. The current menu layout is displayed.
 - d. Press the menu item for two (2 seconds) that needs removed.
 - e. Press confirm remove.
 - f. Press the empty box (library is displayed) and select the menu desired.
 - g. Press the Return Arrow.
 - h. Press the Press & Go button.
74. Power cycle the cabinet by switching OFF the power switch for five (5) seconds and switching back on.
75. If any model configuration was entered incorrectly, follow steps 31-43. Press and hold the easyTouch logo in the lower right corner for 10 seconds. The controller displays Reset Configuration. Press the GREEN checkmark button. Repeat steps 45-72.