

MATRIX		Service Bulletin Matrix T7xe/7xe consoles troubleshooting	
Effective Date: June. 12, 2015	Models Affected: HURESAC-7XE-04-C (EP613) T-7XE-04-C (TM520)	Bulletin Num. NB-1507008 Ver.6	
Prepared by: Eric Chen			

- Ver.1: Launched in July 2015.**
Ver.2: Launched in Sep. 2015. Update case 6 solutions in red marked.
Ver.3: Launched in May. 2016. Update the new I-pod dongle on the solution 2 of the case 6.
Ver.4: Launched in July 2018. Updated the “Solution 1 - Check LVDS wire” process to case 3.
Ver.5: Launched in Aug 2020. Add case 13 for TM with no Tread Sense function.
Ver.6: Launched in May 2022. Add case 14 for slow countdown.

DESCRIPTION

Troubleshooting for 7xe console. Tables are organized by symptoms:

Table 1 – GUI Application Crash or Frozen Screen

Table 2 – Other Error Message

COMMON CASES

7xe console symptoms are on Table 1 and Table 2 below. Follow the 1, 2, 3, 4 steps to do troubleshooting.

Table 1: 7xe Console – GUI Application Crash or Frozen Screen













Case	Photo	Symptom (P: Persistent; I: Intermittent)	Check iPod cable	Reconnect TV cable	Check LVDS wire	Use I-Pod dongle to WIN CE	Re-calibrate touch function	Re-install GUI S/W	Re-install UCB S/W	Replace LMM board (UCB)	Replace wifi board	Replace 15" Panel	Page
1		WIN CE screen(P)	1					2	3	4			P. 3
2		TV tab shows color screen(P)		1					2				P. 9
3		Display fuzzy or Wrong color(I)			1					2		3	P. 10
4		Touch panel no reaction(I) Quick key still can operate					1		2		3	4	P. 13
5		Console Frozen (P) Quick key can't operate					2		3	4	1	5	P. 15
6		Matrix loading screen(P)	1			2		3	4	5			P. 17

Table 2: 7xe Console – Other Error Message

Case	Photo	Symptom (P: Persistent; I: Intermittent)	Check wire connection	Check VA board	Check SD card	Check inverter wire	Check LVDS wire	Upgrade LCB S/W	Replace LMM board (UCB)	Upgrade GUI, I/O	Upgrade VA firmware	Page
7		VA function(P)	1	2	3						4	P. 26
8		Blank screen(P)				1	2		3			P. 29
9		Low Battery / 04B0(I)	1					2				P. 31
10		Keypad / Quick key(P)	1						2			P. 32
11		S/W upgrade error remind(I)		1						2		P. 34
12		Can't catch USB device(P)	1	2						3		P. 35

P.S. The 1st, 2nd and 3rd means the troubleshooting steps.

Table 3 – Matrix T7xi/7xi console troubleshooting list – continued

Case	Symptom (I: Intermittent, P: Persistent)	Solution	Link to Page
13	Treadmills with Win CE (LMM) console has no Tread Sense function.	Install new MCB service kit (Type C2). The new MCB can support the Win CE (LMM) console with Tread Sense function.	P.38
14	Slow countdown on console.	<ol style="list-style-type: none"> 1. Remove the iPod cable. 2. Press "2001 Enter" to open Engineering Menu, choose Other, and increase Memory Threshold. 3. If the problem continues, consider console replacement/swap. 	P.40

Case 1: WIN CE screen

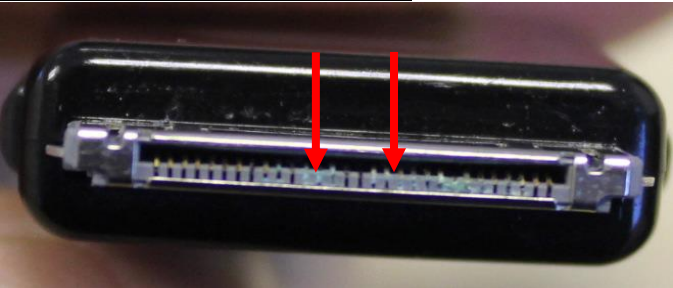
SYMPTOM

- 1. T7xe/7xe Console shows WIN CE mode when turn on machine.



SOLUTION

Solution 1- Check iPod cable



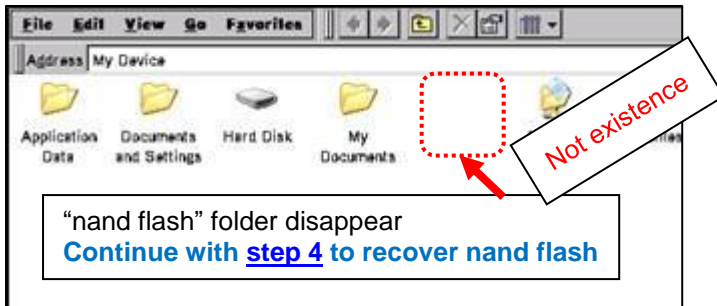
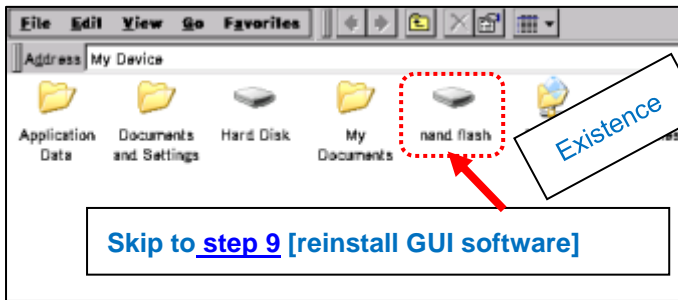
- 1. Check and change I-pod cable if connector pin is rusty.

Solution 2- Re-install GUI SW



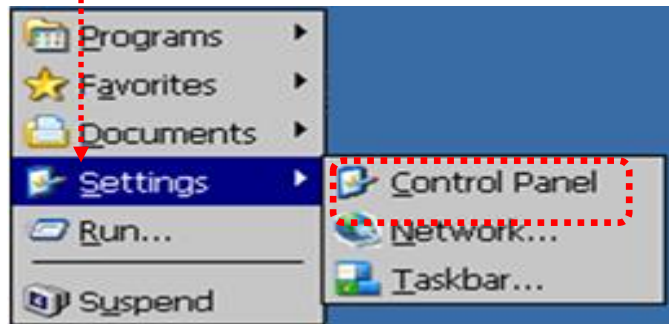
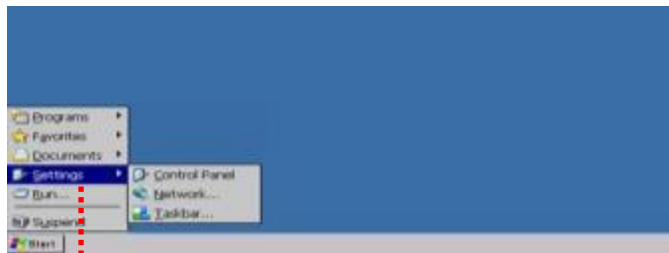
- 1. Re-boot the machine.
- 2. If console still enter WIN CE mode, double click "My Device" on the left top of screen.

Solution 2- Re-install GUI SW - continued



3. Check if "nand flash" folder is in MY Device.
 - If the folder displays, right-click on the folder, and then choose Delete. Follow prompts to remove the folder. Note: you will receive a message saying "Tahoma" cannot be removed. Choose OK
 - If the folder does not display, continue to step 4.

A- [Recover nand flash]

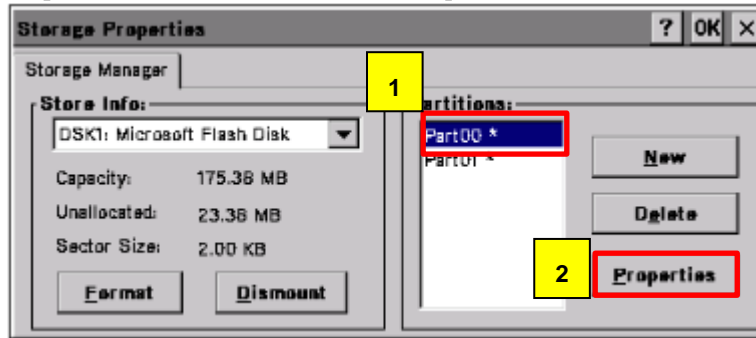


4. Hit the *Start* key, and then select Control Panel.

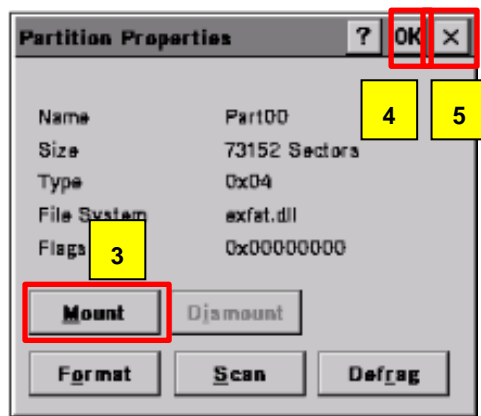
5. Select "Storage Manager".

Solution 2- Re-install GUI SW - continued

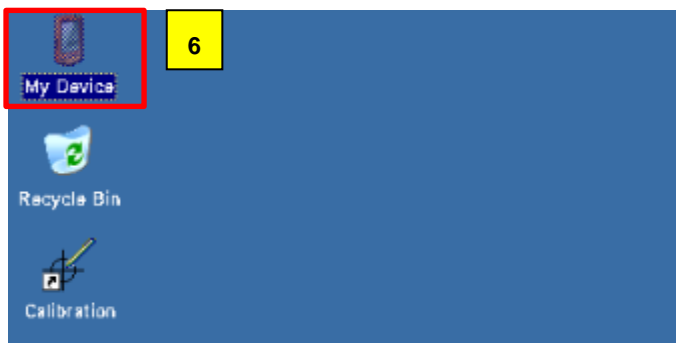
A- [Recover nand flash- continued]



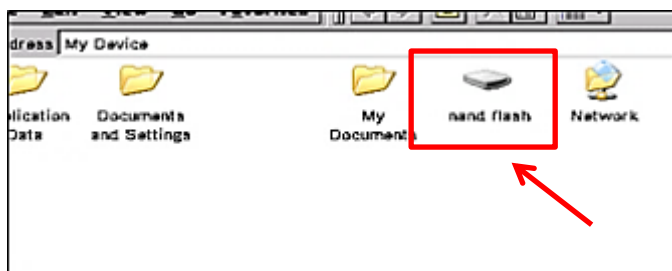
6. Select ① "Part00*" -> ② Properties.



7. Select ③ "Mount*" -> ④ "OK"-> ⑤ "X".



8. Select ⑥ "My Device*". Check if "nand flash" folder is recovered.

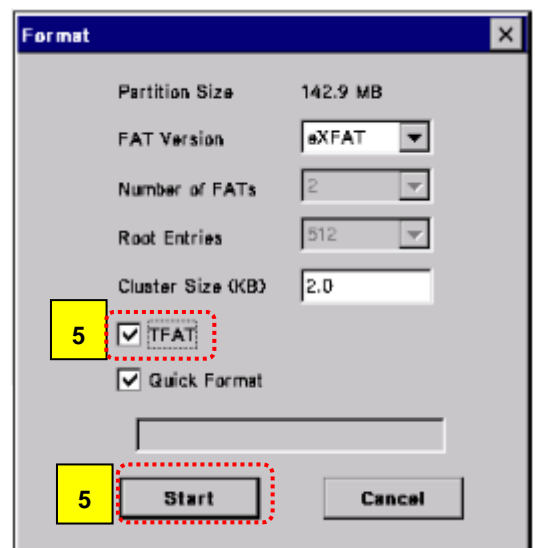
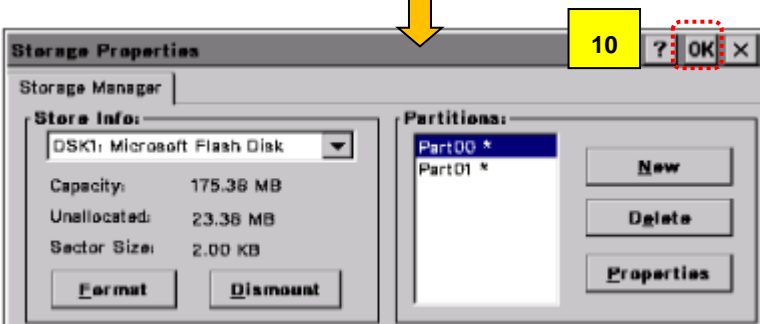
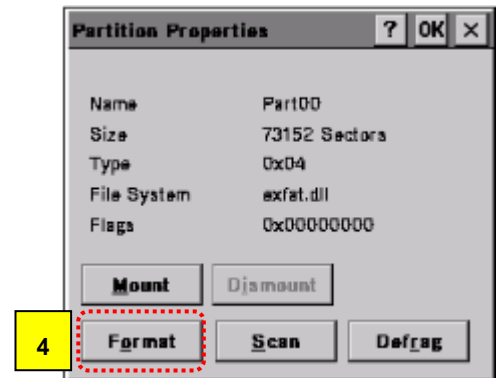
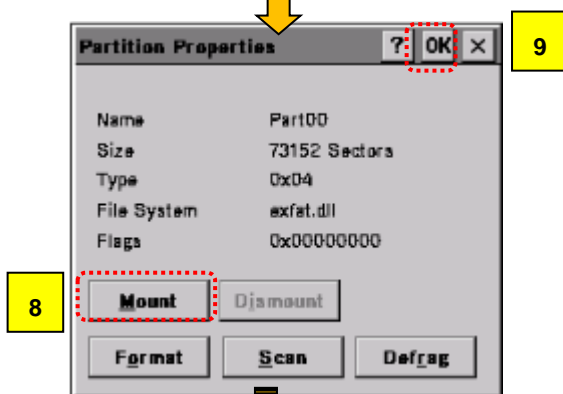
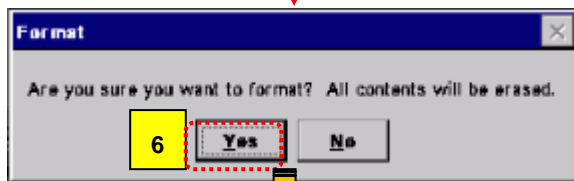
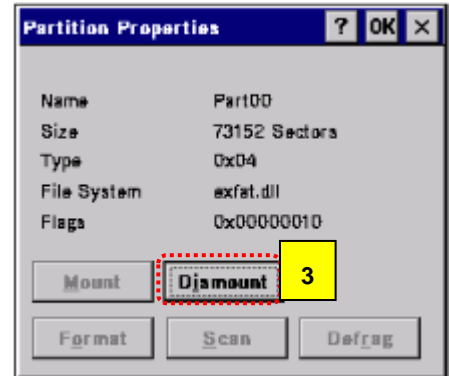
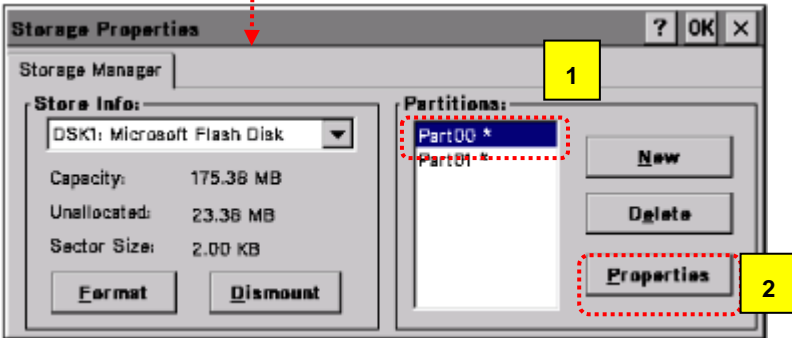


Solution 2- Re-install GUI SW – continued

B- format “nand flash” folder

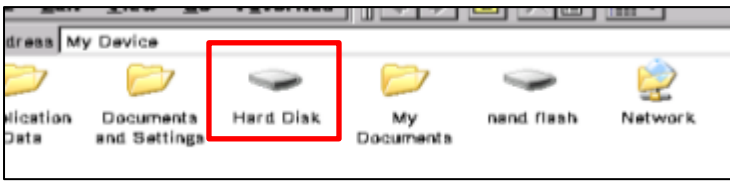


9. Select ① Part00*-> ② Properties-> ③ Dismount-> ④ Format-> ⑤ Select TFAT then “Start”->⑥ Yes-> ⑦ OK-> ⑧ Mount-> ⑨ OK.-> ⑩ OK to leave Storage Properties

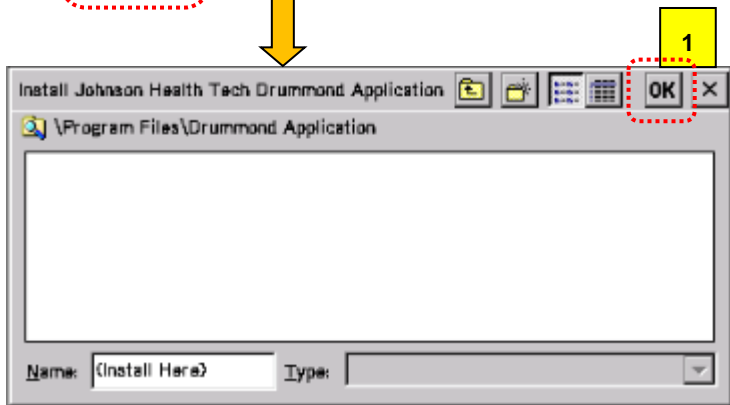
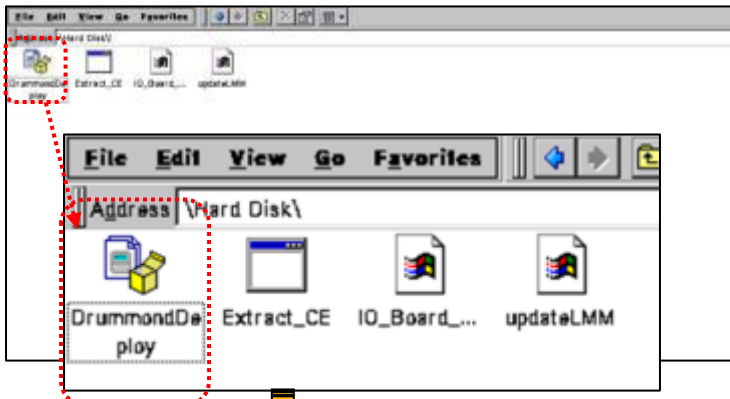




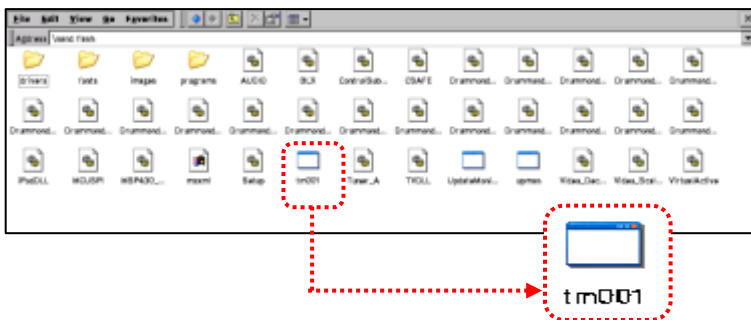
Solution 2- Re-install GUI SW – continued C- Reinstall GUI software to “nand flash” folder



10. Insert the USB flash drive with GUI software into the USB port in the console and “Hard disk” icon shows in My device.
11. Double click “My Device” >Hard disk.
12. Double click on the “DrummondDeploy” icon and select ① “OK” then console will start to install software to “nand flash” folder.
13. After the software installation is completed, remove USB flash drive.



14. Double click “My Device” >nand flash> TM001 to access Matrix Go screen.





15. After console display “Go” screen, use channel ▲/▼ to reboot console.
16. Press “enter 3 0 0 1 enter” to access Service Mode. Then select the correct Machine Type and change the Service On Boot setting to NO.
17. Turn off the machine and wait 30 sec, then turn on the machine.

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Solution 3- Re-install UCB S/W



Re-install console latest software of GUI, I/O and OS.

Solution 4- Replace LMM board (UCB)



Replace UCB.

Solution 2- Re-install UCB S/W



Re-install console latest software of GUI, I/O and OS.

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Case 3: Display fuzzy or wrong color

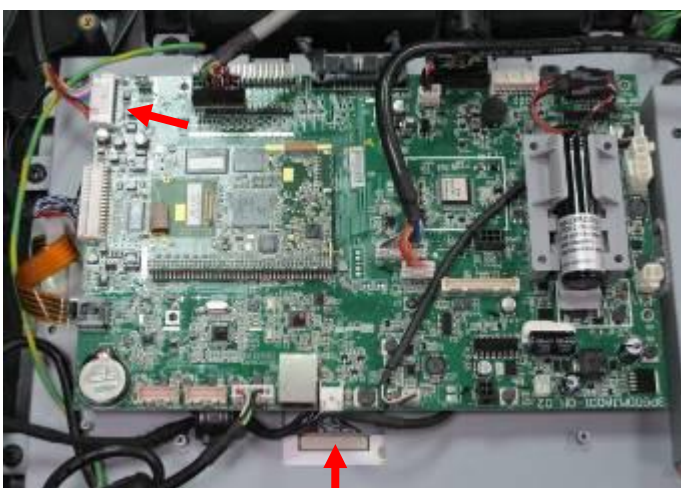
SYMPTOM

Console has unusual color display or fuzzy screen as below picture.

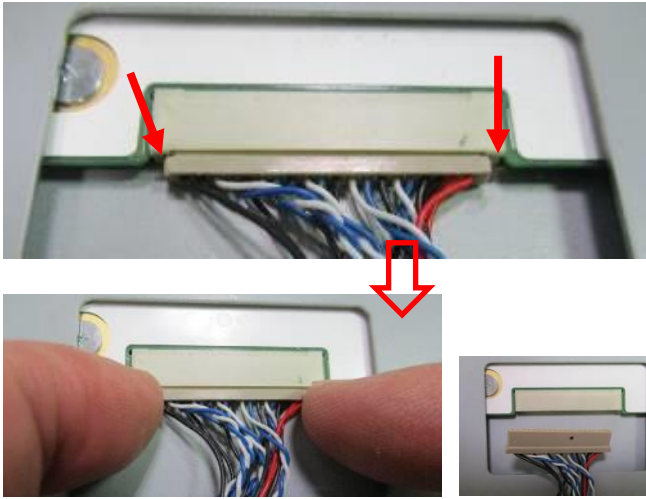


SOLUTION

Solution 1- Check LVDS wire



1. Remove UCB.
2. Check the LVDS wire connection on the LCD and the UCB. Unplug both sides and plug them in again.



3. Remove the LVDS connector from the TFT panel set.

Note: Do not directly pull the LVDS wire.

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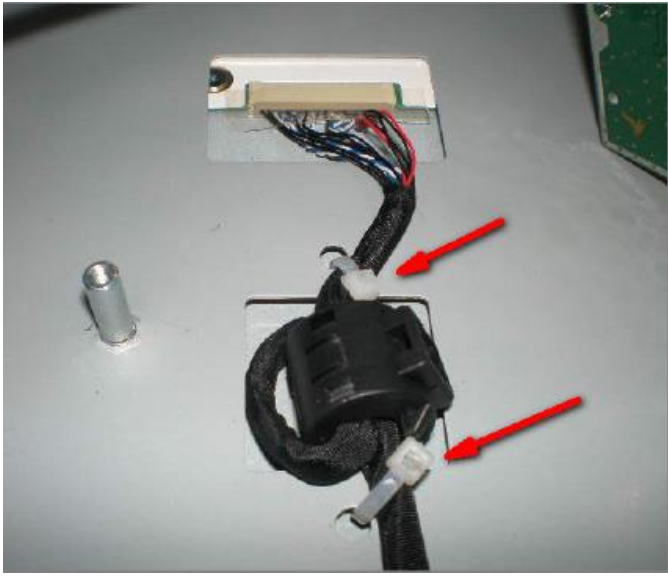
Solution 1- Check LVDS wire - continued



4. Squarely insert the LVDS connector into the TFT panel set.



5. If the display issue is not solved, replace the LVDS wire. Make sure to install Mylar tape (SAP no. 1000309516 *1 pcs) over the LCD connection.



6. Tie strap the wire to the frame.

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Solution 2- Replace LMM board (UCB)



Solution 3- Replace 15" Panel



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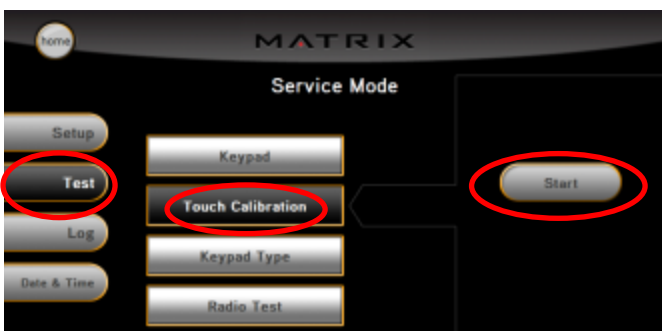
Case 4: Touch panel no reaction

SYMPTOM

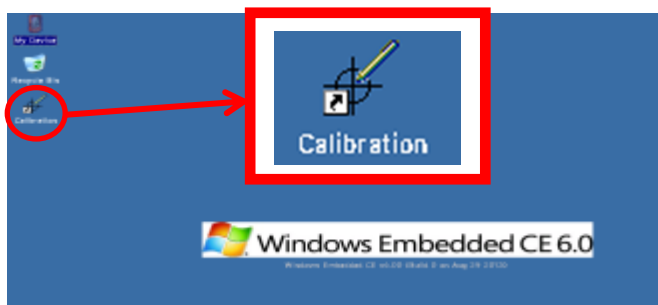
Touch panel no reaction.

SOLUTION

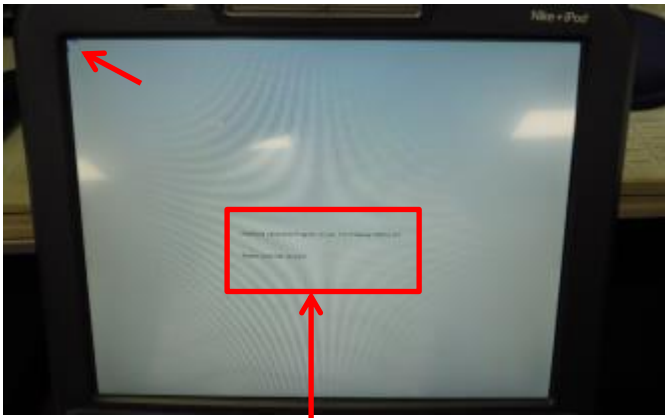
Solution 1- Recalibrate touch function



1. Press "enter 3 0 0 1 enter" to access Service Mode.
2. Click "Test"-> "Touch Calibration"->"Start" to enter the touch panel calibration program.



3. Or press "enter 4 0 0 6 enter" (four times) to enter Win CE mode and click the "Calibration" icon to do the touch panel calibration.



PenMount Calibration Program. Driver: 2.9, Firmware: 6000.6.0.0
Please touch the red point.

4. Start to do the touch panel calibration.

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Solution 2- Re-install UCB S/W



Re-install console latest software of GUI, I/O and OS.

Solution 3- Replace Wifi board



1. If the touch screen still has no reaction, but keypad still “beep” when you press.
2. Please try to disconnect Wifi board and cycle power.
3. Check if console works fine after wifi board is disconnected.
 - If yes, replace Wifi board.
 - If not, go to solution 4.

Solution 4- Replace 15" Panel



Replace 15" panel.

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Case 5: Console Frozen

SYMPTOM

Console touch panel no reaction, keypad no function (without beep sound when press)

SOLUTION

Solution 1- Replace Wifi board

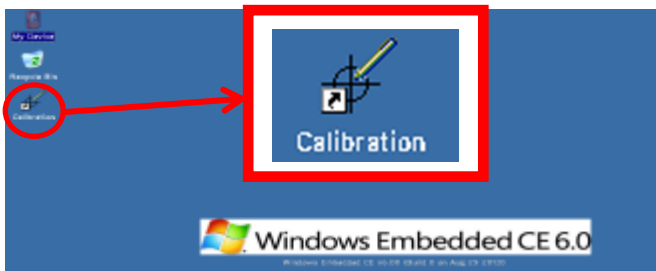


1. The touch screen has no reaction and keypad has no "beep" sound when press.
2. Please try to disconnect Wifi board and cycle power.
3. If console works fine after wifi board is disconnected, replace Wifi board.

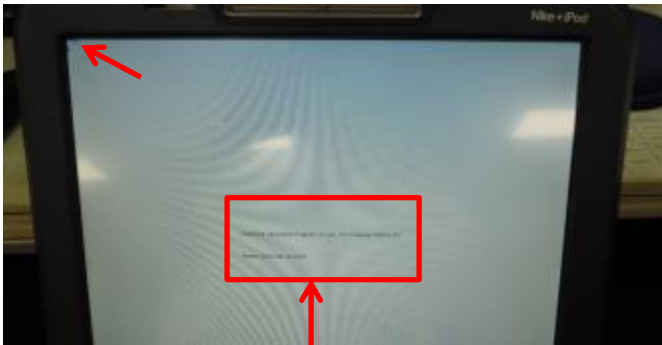
Solution 2- Recalibration touch function



1. Press "enter 3 0 0 1 enter" to access Service Mode.
2. Click "Test"-> "Touch Calibration"->"Start" to enter the touch panel calibration program.



3. Or press “enter 4 0 0 6 enter” (four times) to enter Win CE mode and click the “Calibration” icon to do the touch panel calibration.



4. Start to do the touch panel calibration.

PenMount Calibration Program. Driver: 2.9, Firmware: 6000.6.0.0
Please touch the red point.

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Solution 3- Re-install UCB S/W



Re-install console latest software of GUI, I/O and OS.

Solution 4- Replace LMM board (UCB)



Replace UCB.

Solution 5- Replace 15” Panel



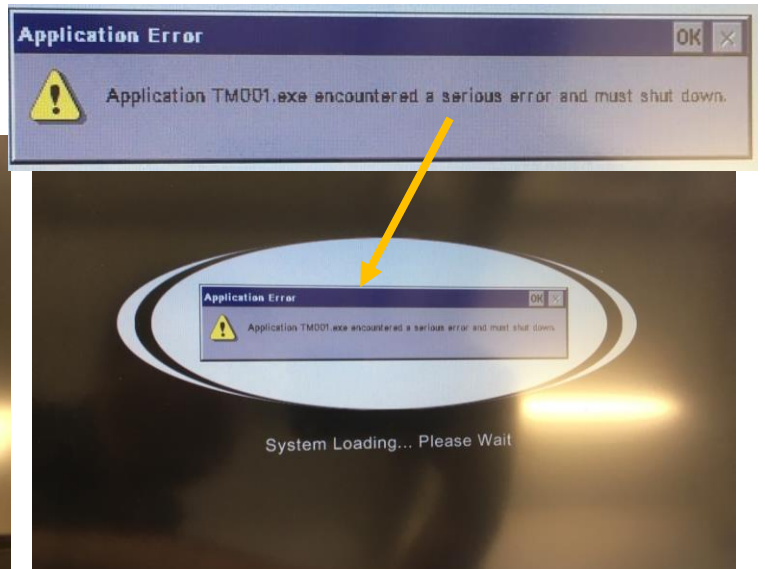
Replace 15" panel.

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Case 6: Matrix loading screen

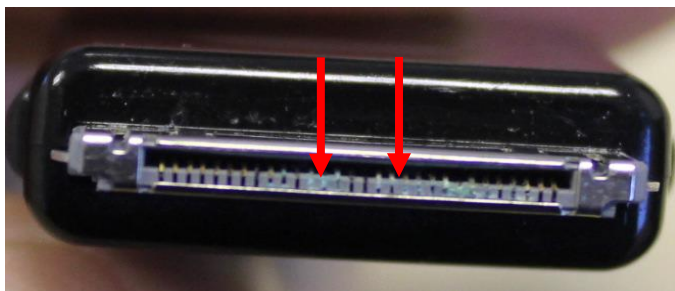
SYMPTOM

Console shows "Matrix system loading" or "Matrix Application Error" and can't access to "Go" screen.



SOLUTION

Solution 1- Check iPod cable



1. Check and change I-pod cable if connector pin is rusty.

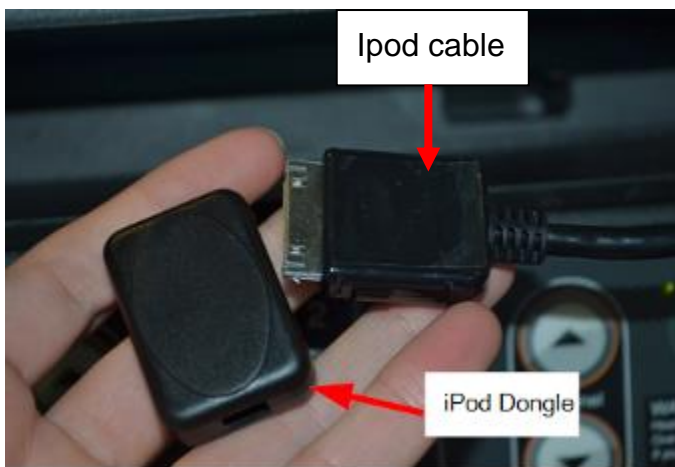
Solution 2- Use I-Pod dongle to get in WIN CE



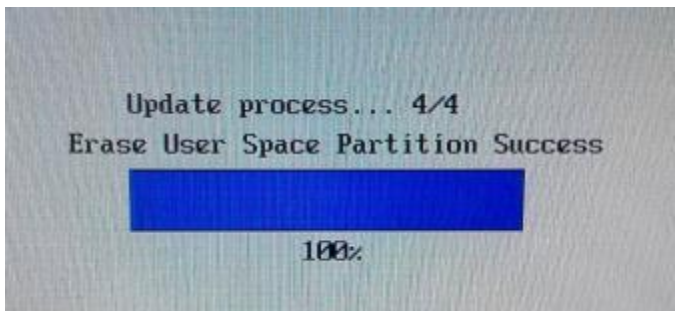
1. Check if the screen on the left bottom has date code message (e.g. Feb 16 2012).
 - If not, update E-boot software (go to steps 2 ~ 14 and solution 3).
 - If yes, go to steps 2 ~ 6 and solution 3.

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Solution 2- Use I-Pod dongle to WIN CE- continued



2. Turn off machine power.
3. Insert I-pod dongle (part number #1000371126) to ipod cable.



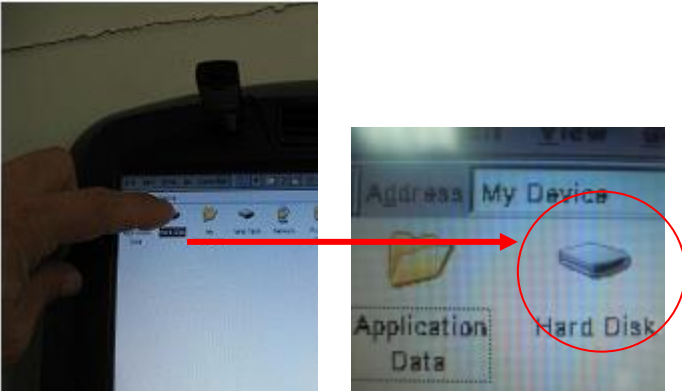
4. Turn on machine power.
5. The screen will run update process from 1/4 to 4/4 automatically. When the update process is completed, console will enter WIN CE screen.
6. Remove I-pod dongle.



[Eboot program upgrade]

Note: As mentioned in step 1, if the screen has no date code message on left- down corner, continues to do the E-Boot program upgrade.

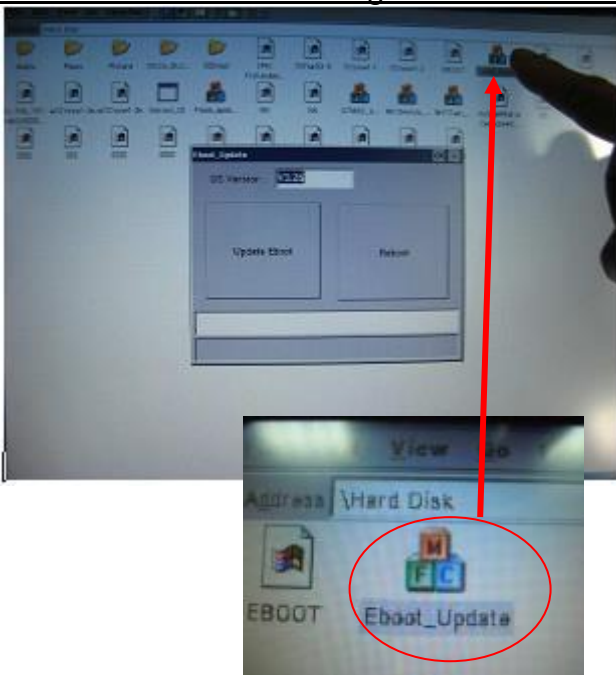
7. Insert the USB device with E-Boot program into the USB port at the front of console first. Then double-click "My Device" to enter the folder



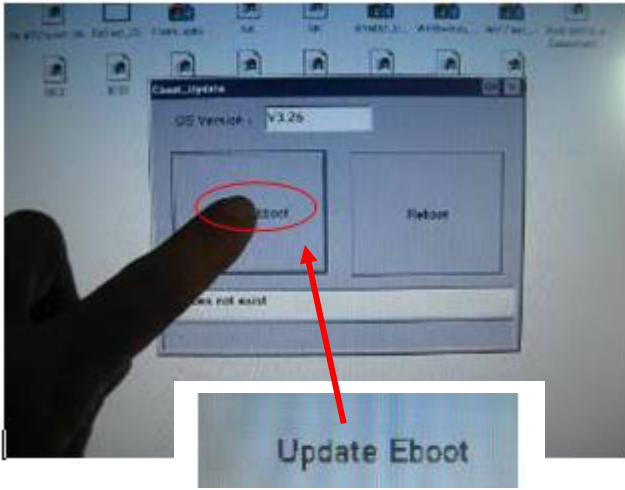
8. Double-click "Hard Disk" to access USB folder.

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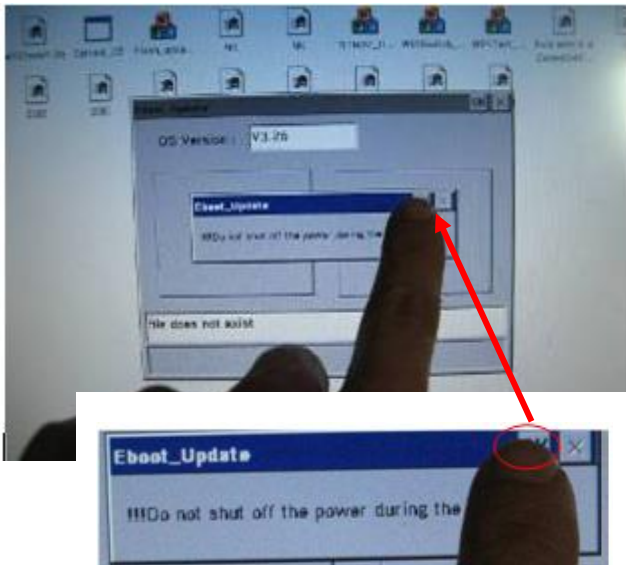
Solution 2- Use I-Pod dongle to WIN CE- continued



9. Double click "Eboot_Update" and flash-update icon will show up.



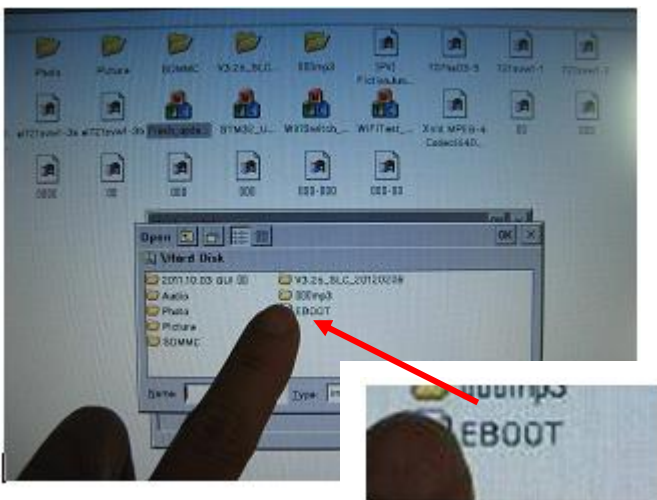
10. Continue to select and double click “Update Eboot”.



11. A prompt shows “Eboot_Update”. Press “OK” and the Hard Disk icon will appear.

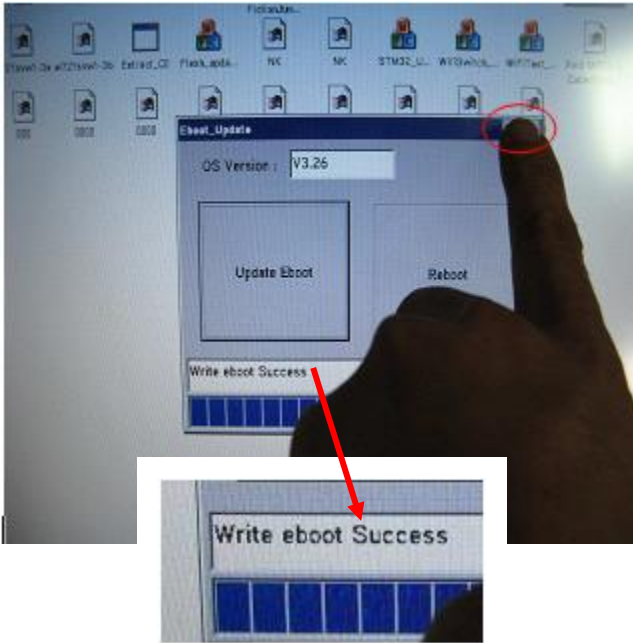
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Solution 2- Use I-Pod dongle to WIN CE- continued



12. Double click “Eboot” program to start upgrade process.

Notice: Please don't power off during upgrade process.



13. When the message shows “write eboot Success”, it means the update is completed.
 - 13.1 Please press "X" to close this window after update complete.
 - 13.2 Remove the USB device.
14. Continue to solution 3.

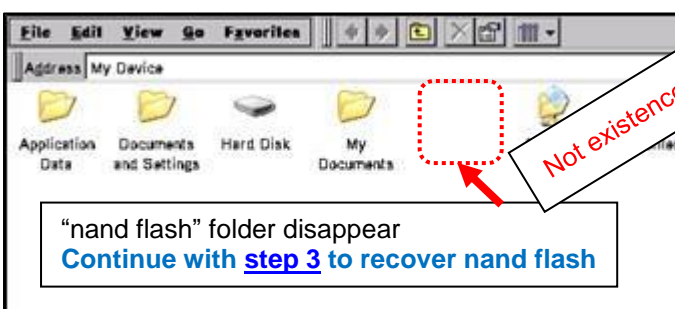
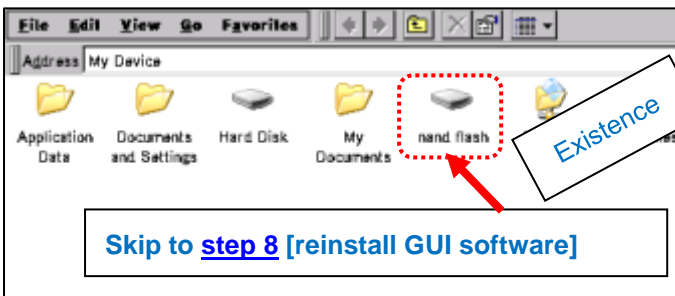
Solution 3- Re-install GUI SW



1. Click “My Device” on the left top of screen.

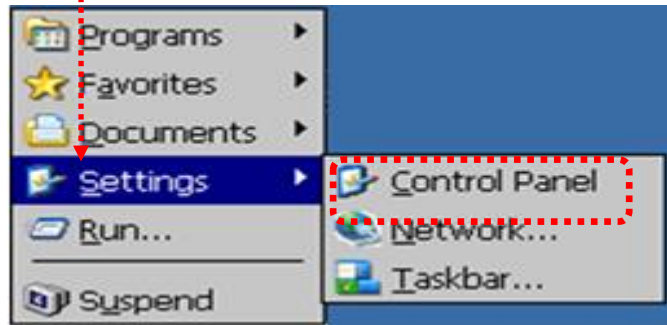
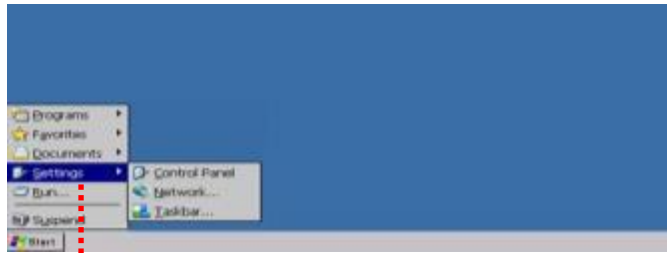
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Solution 3- Re-install GUI SW - continued



2. Check if “nand flash” folder is in MY Device.
 - If the folder displays, right-click on the folder, and then choose Delete. Follow prompts to remove the folder. Note: you will receive a message saying "Tahoma" cannot be removed. Choose OK
 - If the folder does not display, continue to step 3.

A- [Recover nand flash]



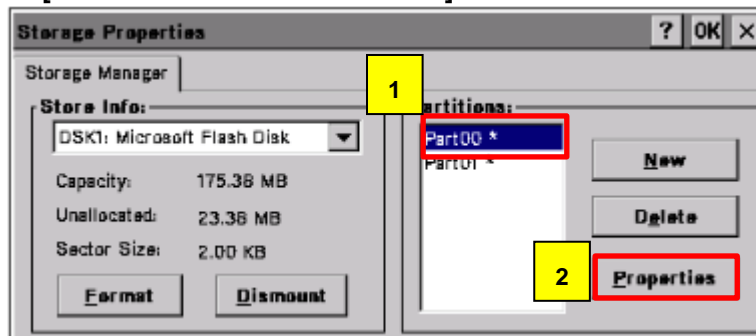
3. Hit the *Start* key, and then select Control Panel.

4. Select "Storage Manager".

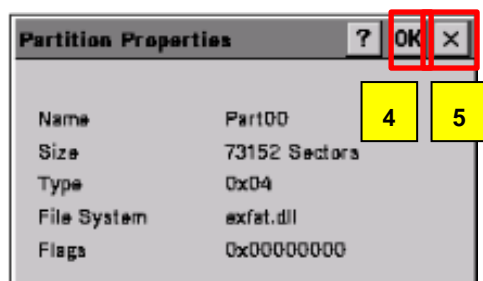
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Solution 3- Re-install GUI SW - continued

A- [Recover nand flash- continued]

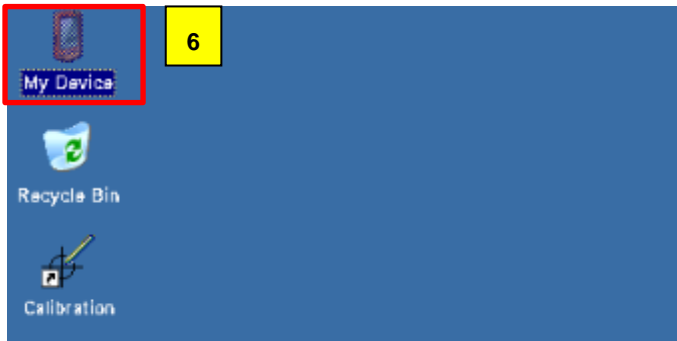


6. Select ① "Part00*" -> ② Properties.

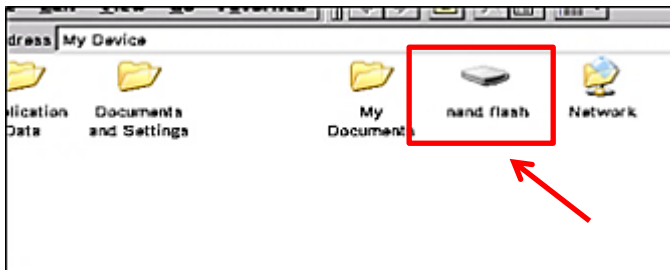


7. Select ③ "Mount*" -> ④ "OK" -> ⑤ "X".

3



8. Select ⑥ “My Device*”. Check if “nand flash” folder is recovered.



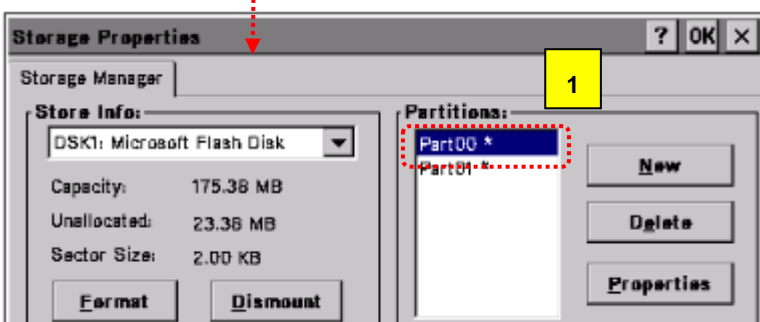
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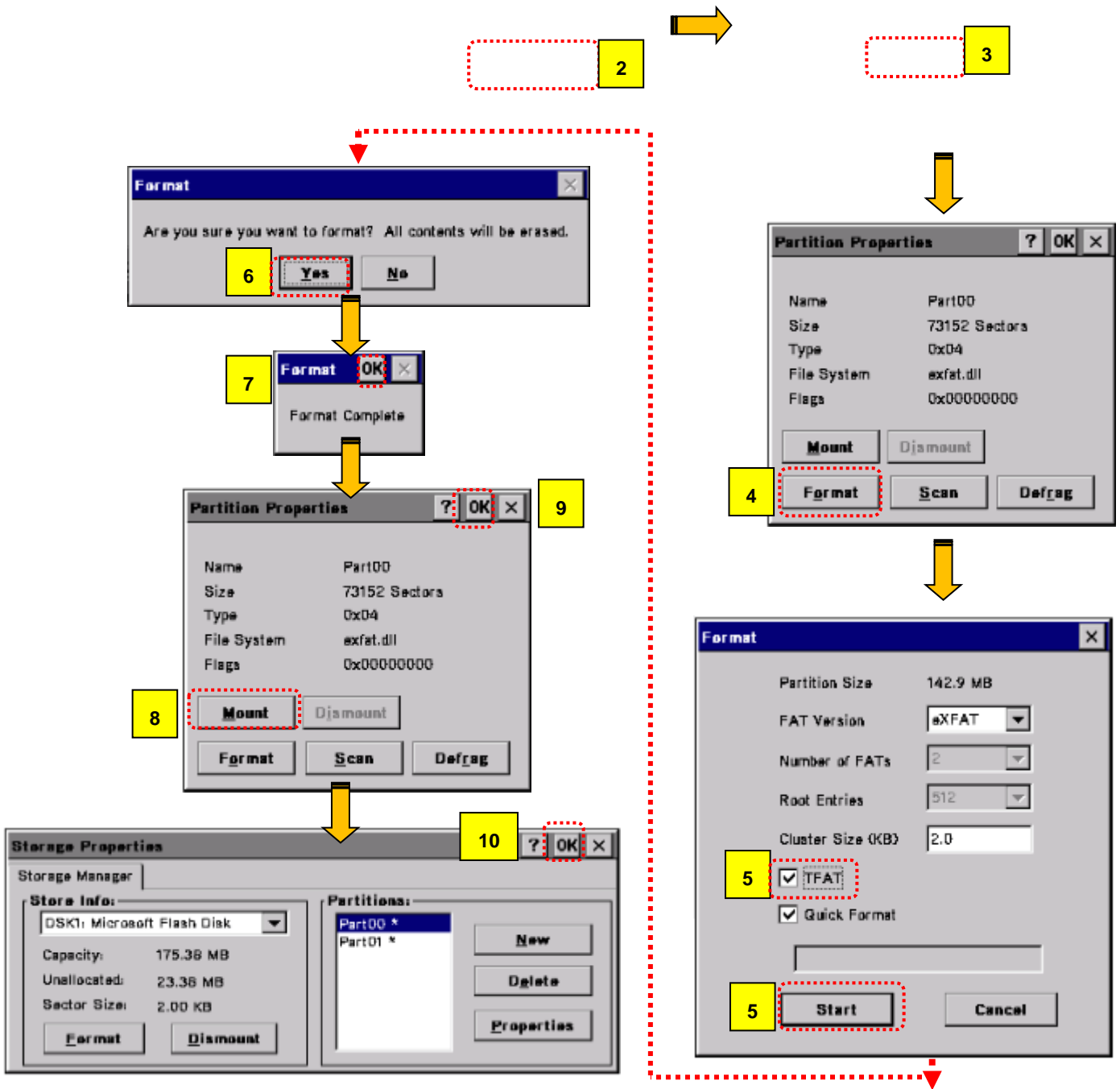
Solution 3- Re-install GUI SW – continued

B- format “nand flash” folder



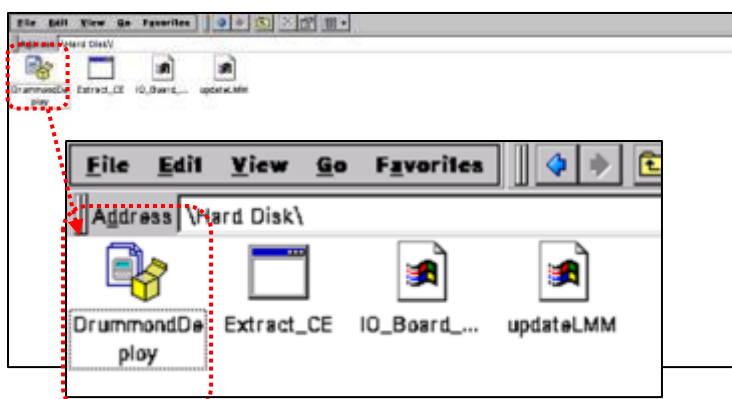
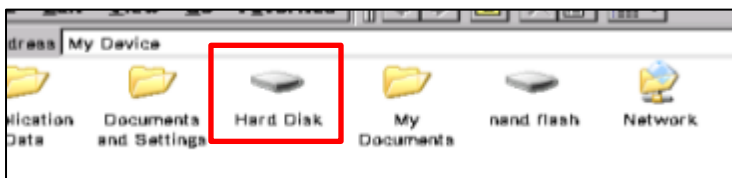
8. Select ① Part00*-> ② Properties-> ③ Dismount-> ④ Format-> ⑤ Select TFAT then “Start”->⑥ Yes-> ⑦ OK-> ⑧ Mount-> ⑨ OK.-> ⑩ OK to leave Storage Properties



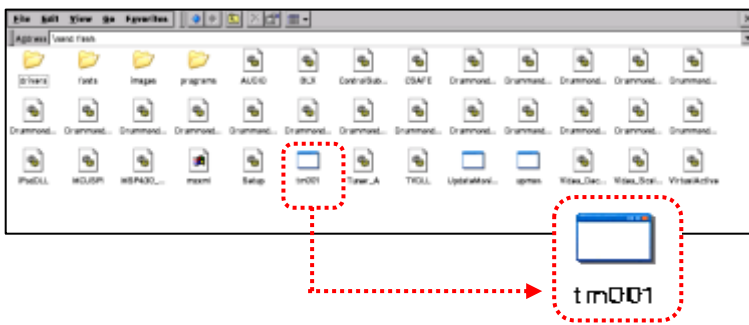
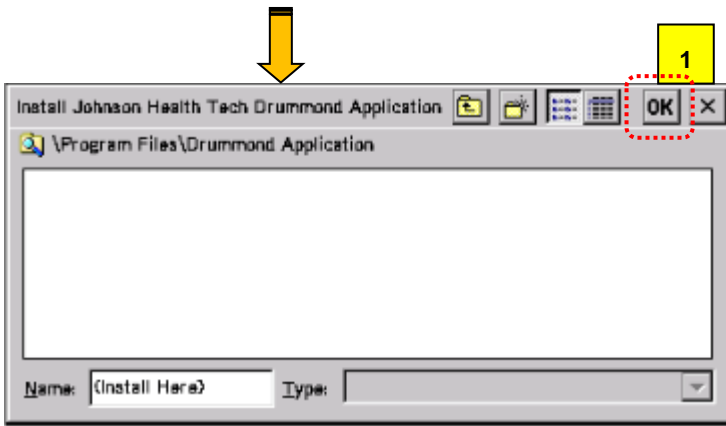


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Solution 3- Re-install GUI SW – continued C- Reinstall GUI software to “nand flash” folder



9. Insert the USB flash drive with GUI software into the USB port in the console and “Hard disk” icon shows in My device.
10. Double click “My Device” >Hard disk.
11. Double click on the “DrummondDeploy” icon and select ① “OK” then console will start to install software to “nand flash” folder.
12. After the software installation is completed, remove USB flash drive.



13. Double click "My Device" >nand flash> TM001 to access Matrix Go screen.



14. After console display "Go" screen, use channel ▲/▼ to reboot console.
 15. Press "enter 3 0 0 1 enter" to access Service Mode. Then select the correct Machine Type and change the Service On Boot setting to NO.
 16. Turn off the machine and wait 30 sec, then turn on the machine.

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Solution 4- Re-install UCB S/W



Re-install console latest software of GUI, I/O and OS.

Solution 5- Replace LMM board (UCB)



Replace UCB.

[Back to Table 1](#)

Case 7: VA function

SYMPTOM

VA is not working.

SOLUTION

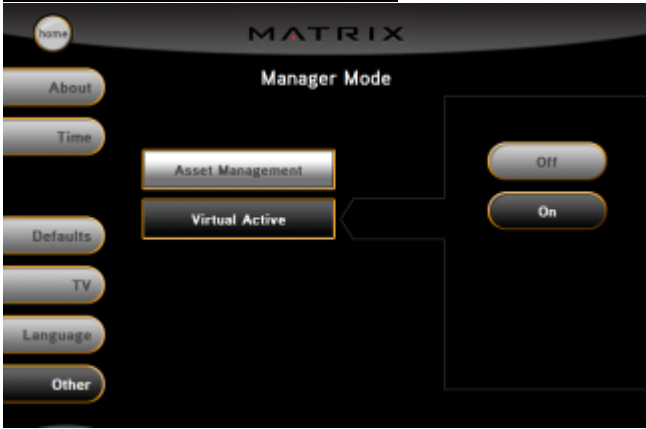
Solution 1- Check wire connection



Check the connection from the VA board to UCB.



Solution 2- Check VA board



1. Press “enter 1 0 0 1 enter” to access Manager Mode. Press “Other”->”Virtual Active” and select it to “On”.

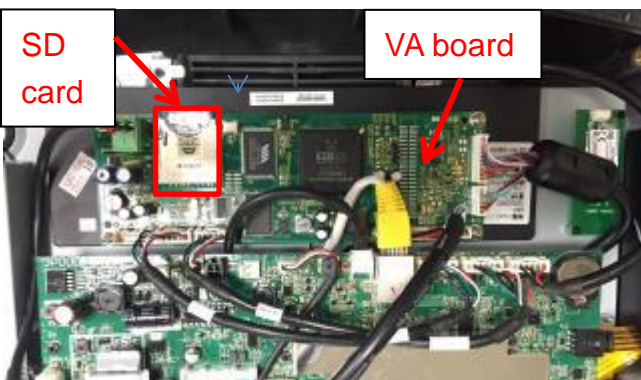


2. Press “About” to check if VA software version is “291”.
 - If it’s “0”, replace VA board.
 - If it’s 291, but the VA icon is still grey instead of red, please go to solution 3.
 - If it’s 285, please go to solution 3 and 4.(P.S. The VA firmware must be upgraded to the latest version 291).



[Back to Table 2](#)

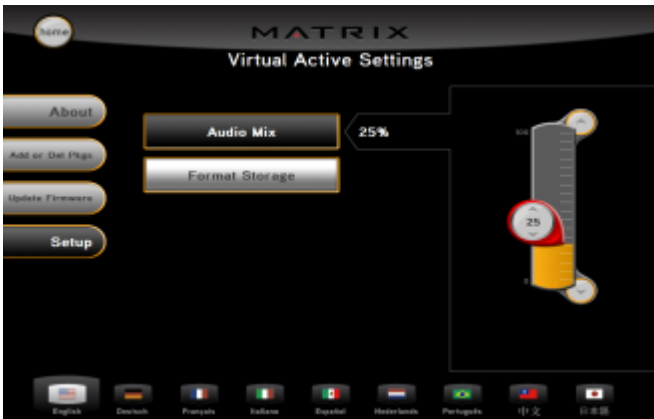
Solution 3- Check SD card



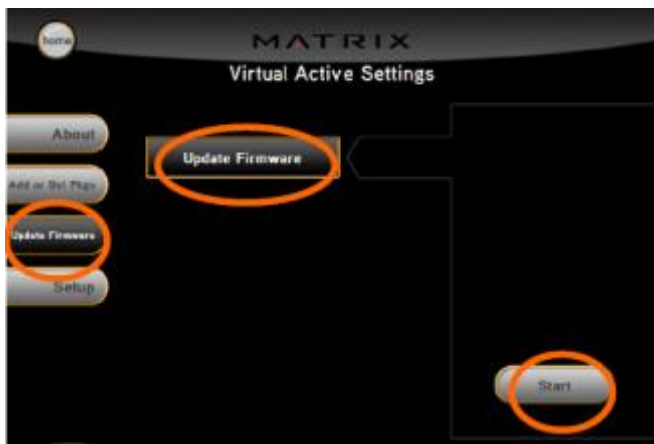
1. Check the SD card connection on the VA board.
 - Please remove the SD card from VA board and plug in again



2. Press “enter 2 0 0 7 enter” to access “Virtual Active Settings”.
3. Check if Virtual Active Setting can display SD card VA package and default volume.
 - If not, replace SD card.



Solution 4- Upgrade VA firmware



1. Insert the USB Drive with VA firmware into the USB port in the console.
2. Select “Update Firmware” and press “Start”.

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3. The screen will show “install Virtual Active Software”, press “Yes”.



4. After a few seconds, the machine will auto run the upgrade.
Notice: Don't power down the machine during the program update.



5. When the display shows “Update complete = 100%”, remove the USB and turn off power.



6. Press “enter 1 0 0 1 enter” to access Manager Mode. Press “About” to check if “Software Version” is the new one.

[Back to Table 2](#)

Case 8: Blank screen

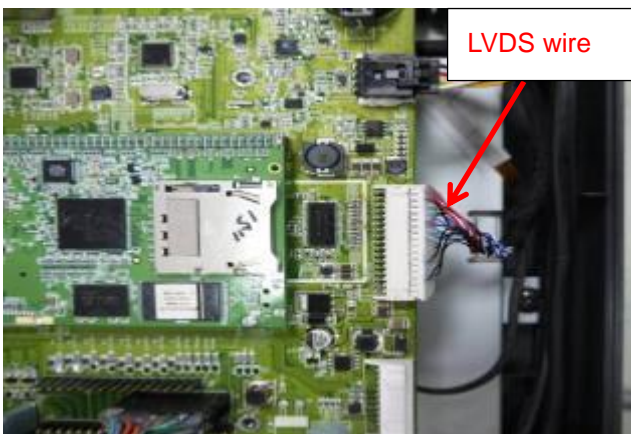
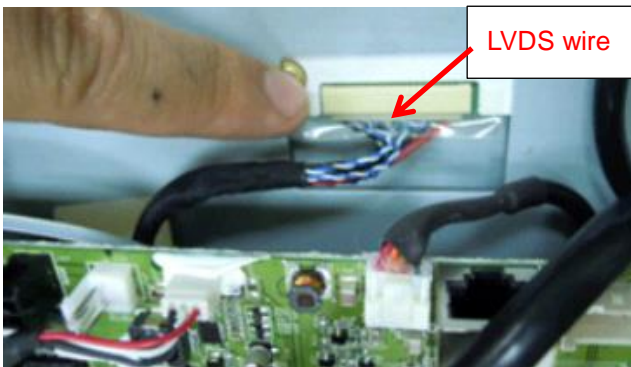
SYMPTOM

Console shows blank screen, but LCM (Low display) is on.



SOLUTION

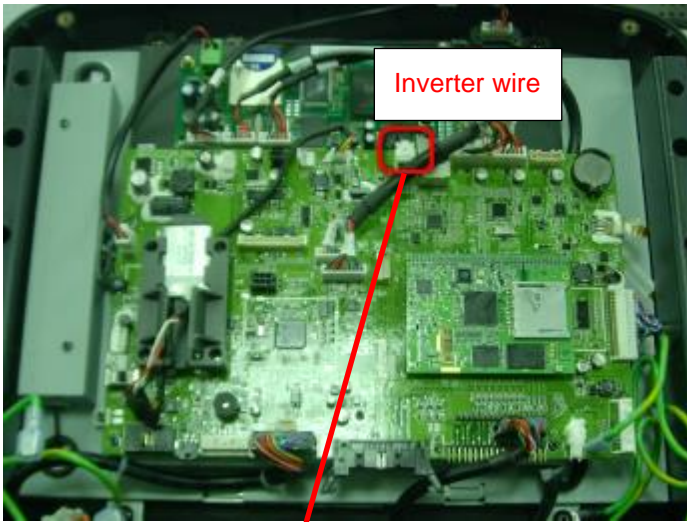
Solution 1- Check LVDS wire



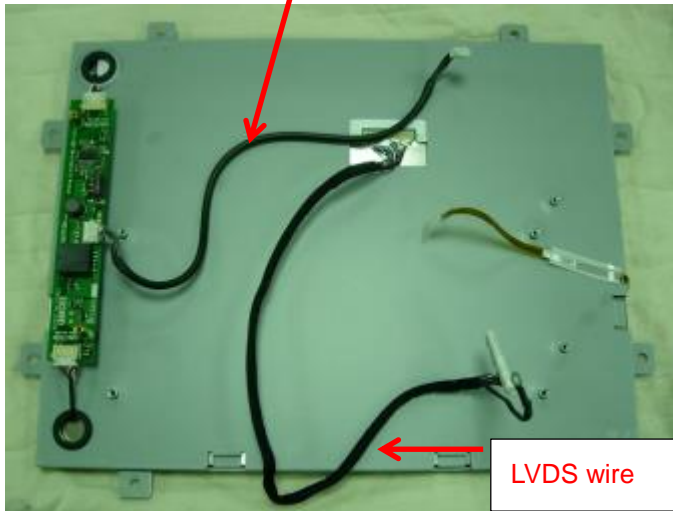
Check the LVDS wire connection on the UCB and TFT panel. Replace the LVDS wire if it's damaged. If the issue persists, please continue with solution 2.

[Back to Table 2](#)

Solution 2- Check inverter wire



Check the inverter wire connection on the UCB and inverter. Replace the inverter wire if it's damaged.



Solution 3- Replace LMM board (UCB)



Replace LMM board.

Case 9: Low Battery / 04B0

SYMPTOM

Console is showing pedal faster, low battery then 04B0 error code (only happen with self-power mode).



SOLUTION

1. Check the connection of the console communication cable on console and the MCB.
2. This is a software data loss issue of LCB1. Require upgrade LCB software or replace LCB. Please refer to NB-1311006.

[Back to Table 2](#)

Case 10: Keypad / Quick key

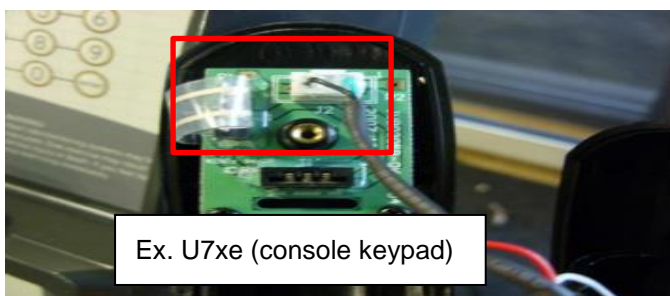
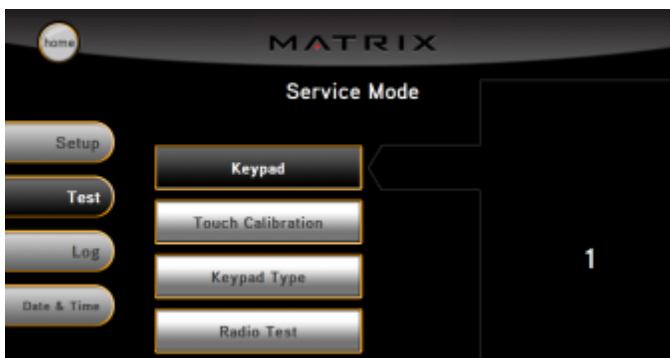
SYMPTOM

Keypad or Quick Key no reaction.



SOLUTION

Solution 1- Check wire connection



- A. Check the console keypad wire connection
1. Press "enter 3 0 0 1 enter" to access Service Mode.
 2. Use Keypad test to confirm if the buttons are functional.
 3. Check keypad wire connection and replace it if necessary.

- B. Check the quick Key wire connection
- Check the quick keypad wire connection and replace it if necessary.

Solution 2- Replace LMM board (UCB)



Replace LMM board.

[Back to Table 2](#)

Case 11: S/W upgrade error remind

SYMPTOM

During software update, console shows error message as below.



There has been an error updating the application! Please reboot and try again. Contact technical support if this error persists.

SOLUTION

Solution 1- Check VA board



If VA is installed on the console, wait until the Virtual Active icon on the standard display picture turns red prior to updating the software.

If this console is installed with VA board, please wait VA icon to become red.

(Reason: Grey VA icon results in this issue.)

Solution 2- Upgrade GUI, I/O



Re-install console latest software of GUI, I/O.

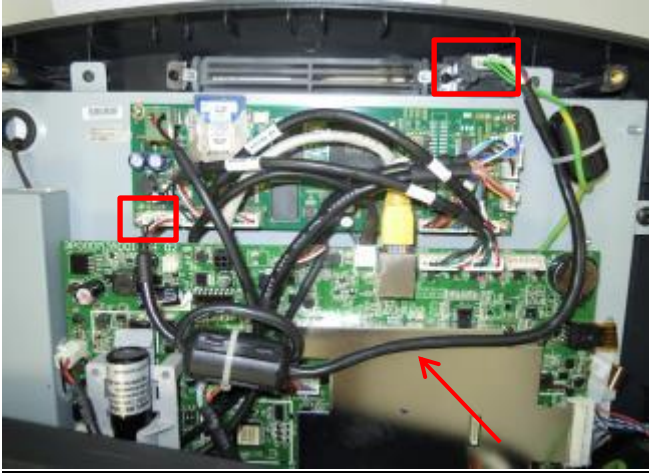
Case 12: Can't catch USB device

SYMPTOM

When plug in USB to upgrade SW, the console cannot auto run install process.

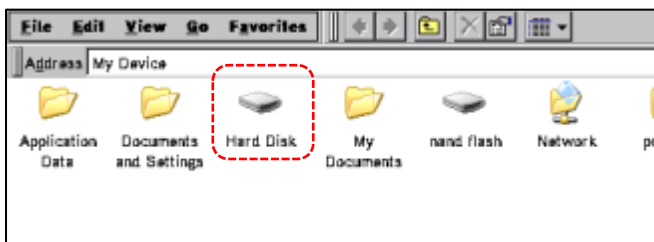
SOLUTION

Solution 1- Check wire connection



Check the USB wire connection and replace it if necessary.

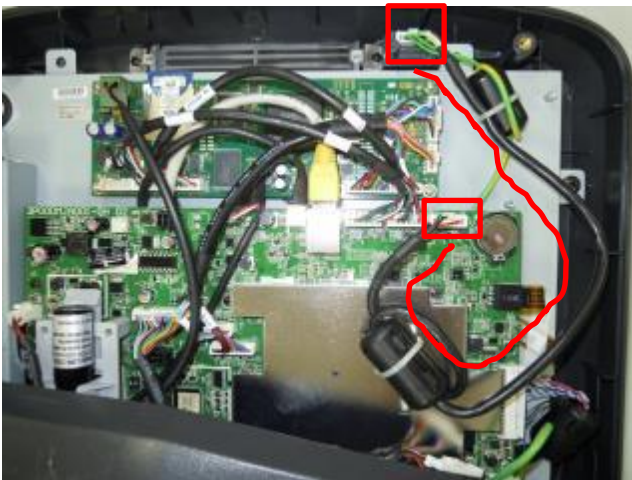
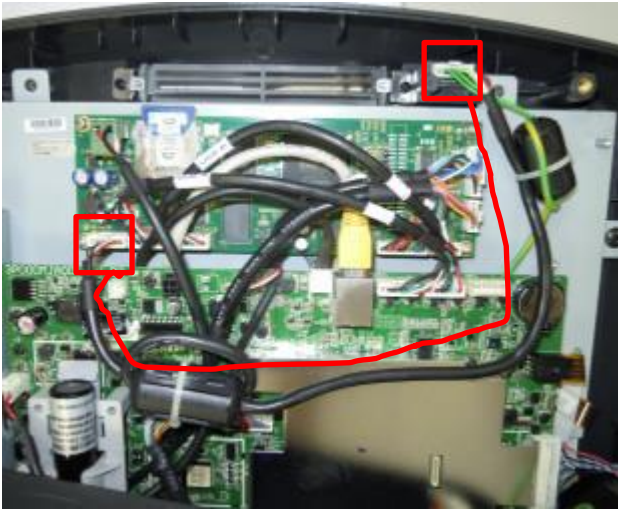
Solution 2- Check VA board



1. This situation will happen on T7xe/7xe with VA board.
2. Press "enter 4006 enter" four times to enter WIN CE mode.
3. Select "My Device." If there is no "Hard Disc", go to step 4.
Notice: To identify this issue, please plug in the USB after enter WIN CE mode-

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Solution 2- Check VA board- continued



4. Please un-plug the USB cable from VA board.
5. Plug in the USB cable to Console control board directly. Re-boot the machine to start software upgrade process.

P.S. The purpose is by- pass the failure VA board. If the VA is damaged, replace it if necessary.

Solution 3- Upgrade GUI, I/O



Re-install console latest software of GUI, I/O.

Case 13: Treadmill has no Tread Sense function

SYMPTOM

If the current production MCB for the TM501 treadmill (type C7; Part numbers: 110V 1000435058 / 220V 1000435059) is used as a service part on a unit with the old WIN CE console (LMM / LAM ~2016/08), the Tread Sense function will not work

Win CE console: LMM: T7xe-TM503 / Universal 7xe-EP92 / T7x-TM502 / Universal 7x-EP91
LAM: T7xe-TM520 / Universal 7xe-EP613

Case Referred: [JHT-NA OLS-2007177 Tread Sense not working](#)

REASON

MCB type C7 does not support the Tread Sense function on the Win CE (LMM) console

SOLUTION

Field service:

Modify the MCB type from C7 to C2, so the C2 can support the WIN CE (LMM) console with Tread Sense function.

*Please refer Table-1 / 2 for new MCB SAP Part Number / Difference

Table -1. Below of new MCB SAP part number (Only for Win CE console)

	SAP Part Number	Description
110V	1000457109	Motor Control Board Set;;;Only for WinCE;;110V
220V	1000457111	Motor Control Board Set;;;Only for WinCE;;220V

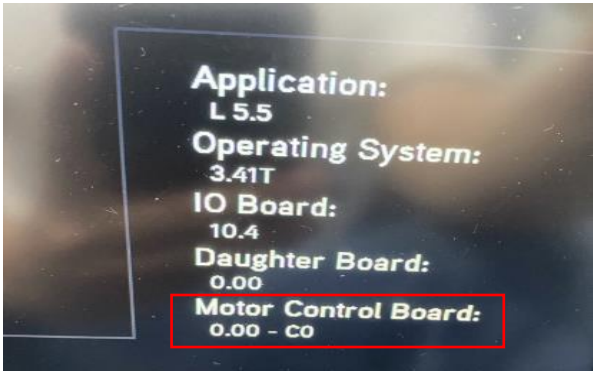
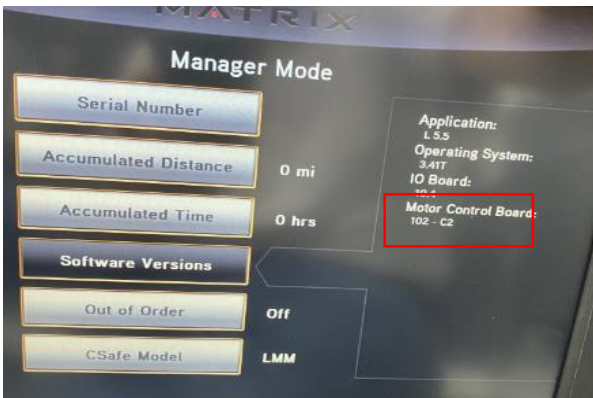
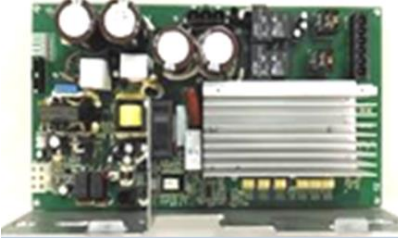






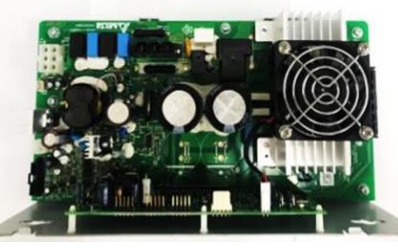




MCB Type / Software	Tread Sense Function	Pic
C7(current production) <u>0.00 – C0</u>	No	
C2 (Win CE only) <u>102-C2</u>	Yes	

Table -2. Below picture of difference between old and new MCB

	OLD ~ 2018/9/24	NEW Type C7 2018/11/23 ~ (Current Production)	NEW Type C2 2020/09/01 ~ (Only for Win CE console)
110V	0000094477 (S/W – v006)	1000435058 (S/W – v106)	1000457109 (S/W – v102)
			
	<p>MODEL: JHT015 M21B CUSTOMER CODE : JHT-10002-8669 INPUT : 1PH 90-120V - 200-240V 50/60Hz 15.7A OUTPUT : 3PH 200-230V 7.0A 2.7KVA 1.5kW/2.0HP Version : 01.20 JHT Version : 010</p>  <p>DELTA ELECTRONICS, INC. MADE IN TAIWAN</p>	 <p>DELTA ELECTRONICS, INC. MODEL: 10000002 / APMT-1000A1 A INPUT: 100-120V-15A/3000W OUTPUT: 1500W 100V 10002 S/N: 13407818801213A1A MADE IN CHINA D2AP</p>	 <p>DELTA ELECTRONICS, INC. MODEL: 10000002 / APMT-1000A1 A INPUT: 100-120V-15A/3000W OUTPUT: 1500W 100V 10002 S/N: 13407818801213A1A MADE IN CHINA D2AP</p>
2A – 110V			
220V	1000228669 (S/W – v32)	1000435059 (S/W – v101)	1000457111 (S/W – v102)
			
	<p>MODEL: JHT015 M21B CUSTOMER CODE : JHT-10002-8669 INPUT : 1PH 90-120V - 200-240V 50/60Hz 15.7A OUTPUT : 3PH 200-230V 7.0A 2.7KVA 1.5kW/2.0HP Version : 01.20 JHT Version : 010</p>  <p>DELTA ELECTRONICS, INC. MADE IN TAIWAN</p>	 <p>DELTA ELECTRONICS, INC. MODEL: 10000002 / APMT-1000A1 B INPUT: 200-240V-15A/3000W OUTPUT: 1500W 100V 10002 S/N: 13407818801782A1B MADE IN CHINA D2AP</p>	 <p>DELTA ELECTRONICS, INC. MODEL: 10000002 / APMT-1000A1 B INPUT: 200-240V-15A/3000W OUTPUT: 1500W 100V 10002 S/N: 13407818801782A1B MADE IN CHINA D2AP</p>
1B – 220V			

Case 14: Slow Countdown on Console

SYMPTOM

When the Start button is pushed, the console slowly counts down. The timing of the countdown feels delayed.

REASON

Corroded iPod cable or low memory threshold.

SOLUTION

Solution 1- Remove the iPod cable

Solution 2 - Increase Memory Threshold

Press "2001 Enter" to open Engineering Menu, choose Other, and then increase the Memory Threshold. The memory threshold default is 30%.

Solution 3 - Console swap

If the problem continues, the customer may consider purchasing a compatible refurbished console. Refurbished Windows CE (LMM and LAM) consoles are no longer available, but a refurbished Android 7xe/7xi console can be used with the customer's original frame; some additional parts are required to complete the installation. See the appropriate Service Bulletin in Online Remedy for more information: "Swap LMM to Android Console" or "Panel Board Replacement - Swap LAM to Android Console".

Note: LMM console serial numbers begin with CTM503F, CTM503G, or EP92F. LAM console serial numbers begin with CTM520 or EP613.

The solutions for the equipment in the field and warehouse

1	Affected Models (JHT no.)	LMM: T7xe-TM503 / Universal 7xe-EP92 / T7x-TM502 / Universal 7x-EP91 LAM: T7xe-TM520 / Universal 7xe-EP613			
2	NA ECR no.	ECR20080004	10	Old part number	N/A
3	JHT ECO no.	ECO20080004	11	Old price	N/A
4	Implemented date	N/A	12	New part number	1000457109 1000457111
5	Started s/n	N/A	13	New price	N/A
6	Field service suggestion	<input checked="" type="checkbox"/> case by case <input type="checkbox"/> club by club <input type="checkbox"/> rework all	14	S-BOM updated	N/A
7	Units in the warehouse	<input checked="" type="checkbox"/> no action required <input type="checkbox"/> replace all	15	S-Drawing update	N/A
8	Parts in stock	<input checked="" type="checkbox"/> running change <input type="checkbox"/> immediate change	16	Photos attached	Yes
9	video available	no	17	SOP attached	N/A
Bulletin type (Draft version or Final version)					
<input type="checkbox"/>	Draft version due to the implement date and started S/N are not ready yet.				
<input checked="" type="checkbox"/>	Final version, All completed				