

LCD upgrade kit

For 9" Totoku MDT948B, MDT-948B-3A in Yasnac I80, Yasnac MV40B or Yasnac LX2 monochrome CRT.



MONITECH
PRACTICAL SOLUTIONS FOR INDUSTRIAL DISPLAYS

IMPORTANT:

WARRANTY

Before using any MONITECH product please carefully review this Manual as well as any additional documentation provided with your shipment.

Attempting any of the following will void product warranty:

- unauthorized repairs or parts replacement
- inappropriate use or placement: exposing product to liquids, harmful gases, electrical shock, physical shock, temperatures beyond the range of -4°F to 140°F (-20°C to 60°C)
- use of electrical voltage other than 12V 4.16A (power supply and AC cable provided)
- Removal or modification of serial, product, or warranty labels.

	WARNING	
	ELECTRICAL HAZARD DO NOT OPEN	
TO AVOID ELECTRICAL SHOCK DO NOT OPEN PRODUCT CASING. UNAUTHORIZED REPAIRS OR PARTS REPLACEMENT ARE PROHIBITED AND WILL VOID PRODUCT WARRANTY. PLEASE RETURN TO MONITECH FOR REPAIRS.		

REMOVAL:

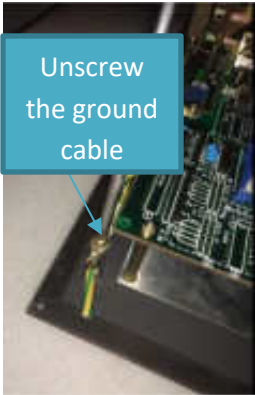
Step #1) Turn off turn off main power, turn off machine.

Step #2) Unscrew the screws around the boarder of the HMI, unscrew ground, and detach power.



Take the HMI off the machine by unscrewing each screws that board the interface.

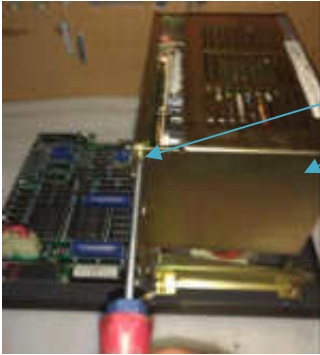
Unplug the Power cable



Unscrew the ground cable



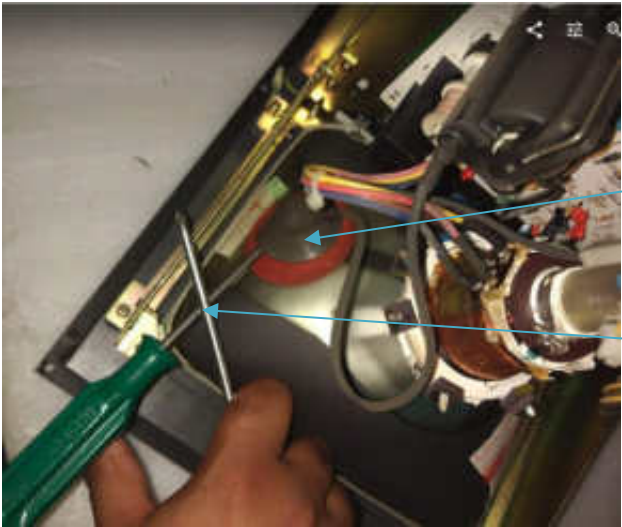
Step #3) Unscrew 4 screws holding the CRT cover.



Unscrew the 4 screws to remove the cover of the CRT.



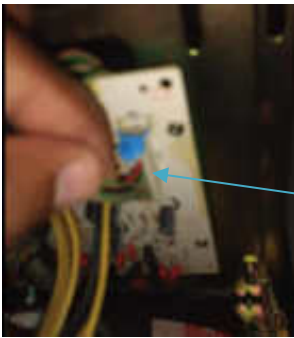
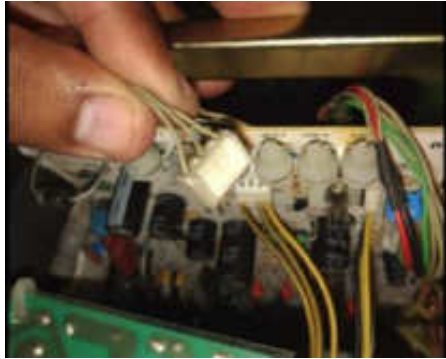
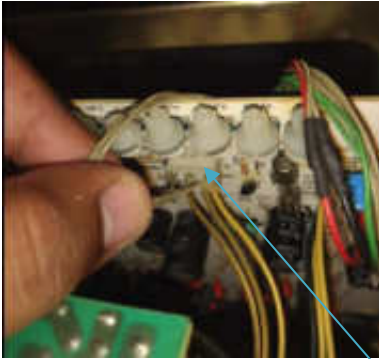
Step 4) Remove high voltage from the CRT by placing a screwdriver underneath the rubber of the anode lead and the other end touch metal, with another screwdriver put the tip onto metal and cross it with the first screwdriver.



Anode Lead

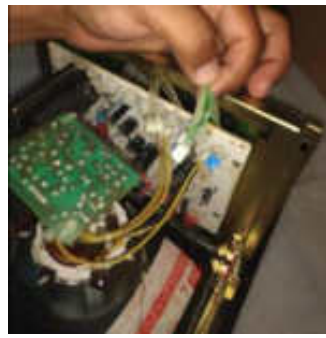
This method grounds out all high voltage from the CRT

Step 5) Unplug the cable Brightness & Contrast control cable, and the Video Cable from CRT board.



Brightness
& Contrast
Cable

Video Cable



Step 6) Unscrew 4 screws holding the CRT in place. Remove CRT from Interface.



INSTALLATION:

Step 7) Get MH948, get the Foam and place it around the boarder of the window. Put the foam where the orange lines are.



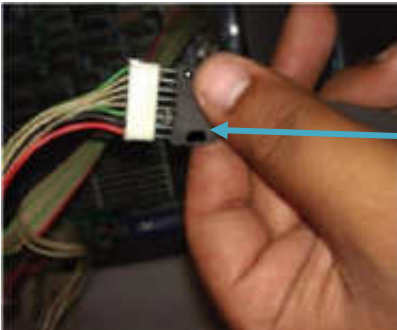
Step 8) Take the side brackets off the old CRT Frame.



Step 9) Take the Monitech monitor out of the box and mount it on to the brackets taken off the CRT Frame as shown using the hardware on the Monitor. Mount it back into the HMI with the 4 screw that held the old CRT Frame on the HMI. Or use the existing screws from the CRT frame to mount our monitor.



Step 10) Use the Monitech cable provided and plug the white dotted pin on to the green wire or ground. Then plug-in power jack in the monitor. Then plug in the MALE 9 PIN to FEMALE 15 PIN CABLE (MAV509) into the VIDEO IN of the Monitor. Plug in MAV057 into the female side of MAV509. Zip ties the cables together to get the cables organized.



MAV057
white dot on
green

**Power
Jack**



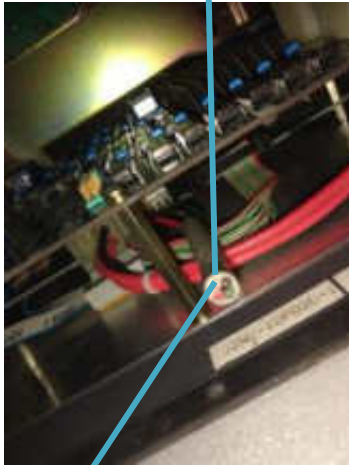
**PLUG IN MAV
509 INTO
VIDEO IN**



**PLUG IN MAV057 INTO THE
FEMALE SIDE OF MAV509**



Step 11) Test the monitor before screwing the HMI back in. Plug power back in and screw the ground back in. Turn on power. If good put screws in to fasten the HMI. Use the user guide to Adjust Image.



Plug power back in from controller.

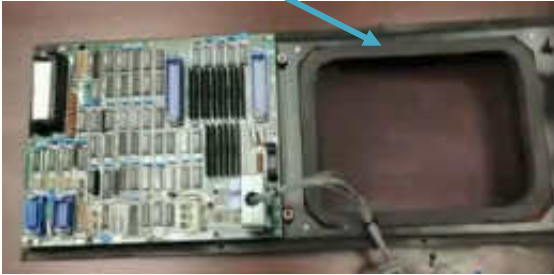


Screw the grounds back in



Note: For the Yasnac LX2 follow the same steps to take the CRT out of the frame. Use the side brackets as well but install as the picture shows.

Step 1) Put the foam around the boarder of the CRT opening.



Step 2) Put the brackets on the monitor with the original screws from the CRT. Take off the hardware that is on our monitors mounting hears first. Use the side screws of the bracket to side the metal down bracket down.



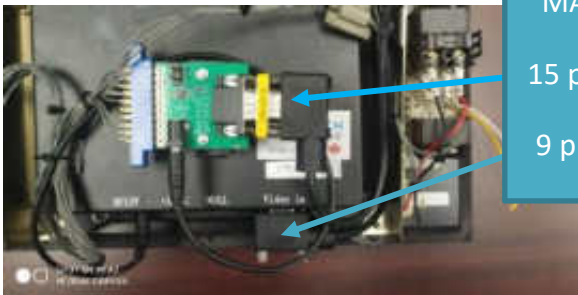
Remove this hardware.



Step 3) Mount the Monitor to your HMI with the use of the MH948 Hardware kit. Mount it on with Standoffs and M4 Screws.



Step 4) Open up the MAB409 package. Get the board that is MPCB003. Get the Gender change from the MH948 and attach it to the board. Then Connect MAV509 into the other side of the gender changer. Connect the 9 pin side of MAV509 into the Video In of our Monitor.



MAV509

15 pin side

9 pin side

Step 5) Mount the board onto the monitor with the use of the 2 standoffs in the MH948. Then stick them on the monitor.



Step 6) Then Plug in your Blue connector from your machine. And plug in the power jack into the board & into our monitor. Use the Install guide for MPCB003 if you have trouble with your set-up. Use the zip ties to clean up all the wiring.

Plug in blue connector



Plug in power jack

Use this to show you how to set up your cable if you have power on your controller or not.



Step 7) Test the monitor before screwing the HMI back in. Plug power back in and screw the ground back in. Turn on power. If good put screws in to fasten the HMI. Use the user guide to Adjust Image.

**Enjoy your rejuvenated Monitor.
Call us to order more replacement parts.**

For Technical Support, Call
1-877-493-6105
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