ML080QTM2S & ML080QTM3S INSTALL GUIDE

LCD upgrade kit

For 9" Prototrak M2, M3, L2 & L3 CRT

FOR M2, M3, L2 & L3

CONTROLLER #: 16969R, 20638R REV. F, 20347R REV F

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 power, by flicking the switch.

Step #2) Unplug the Logic Cable, Power Cable and Ground from the console. Unplug any other cables from the back of the console.
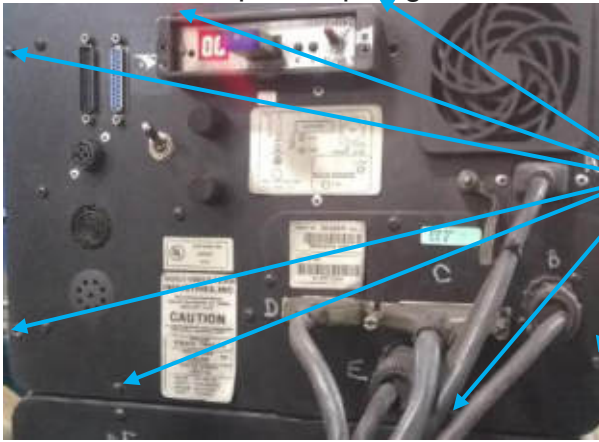

Unplug the Logic Cable, Power Cable and Ground from the console. Unplug any other cables from the back of the console.

Step #3) Unscrew the 4 screws holding the console on side of the Milling Machine. Take the cabinet onto a bench.

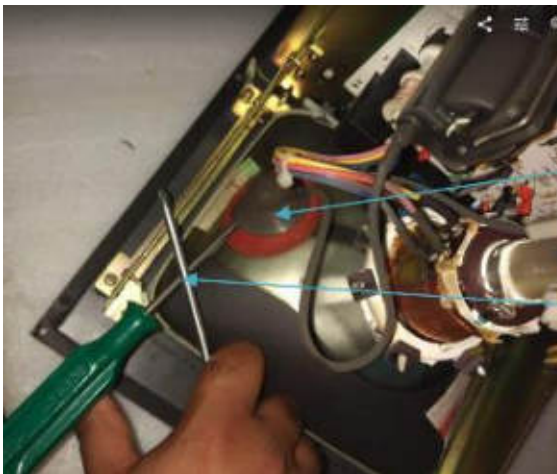**Unscrew the screws that is mounting the console.**

Step #4) Unscrew the 8 Screws holding the back cover of the console, to open it up to get to the CRT.

Unscrew the screws that is mounting the back cover of the console.

Step #5) Discharge the CRT, it has high voltage. Be careful. Put a flat head screw driver underneath the anode lead cap so it is touching the metal part.
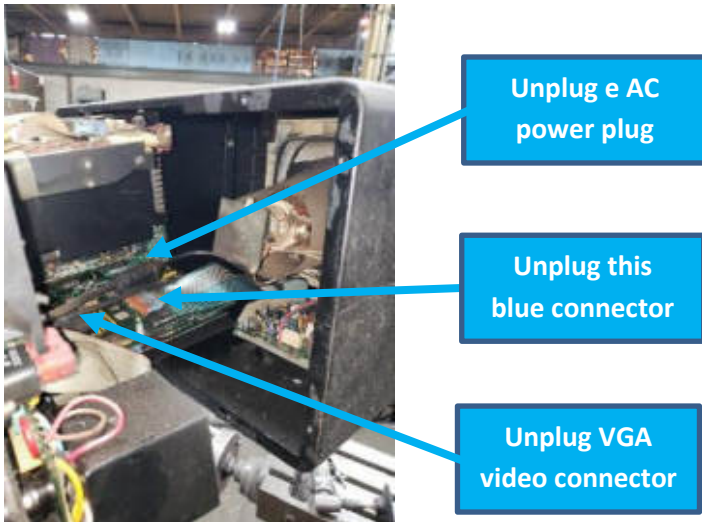And get another screwdriver and cross it with the flat head used and touch the metal frame with it. After a minute take the Anode lead Cap off, or unplug it from the driver board of the CRT.
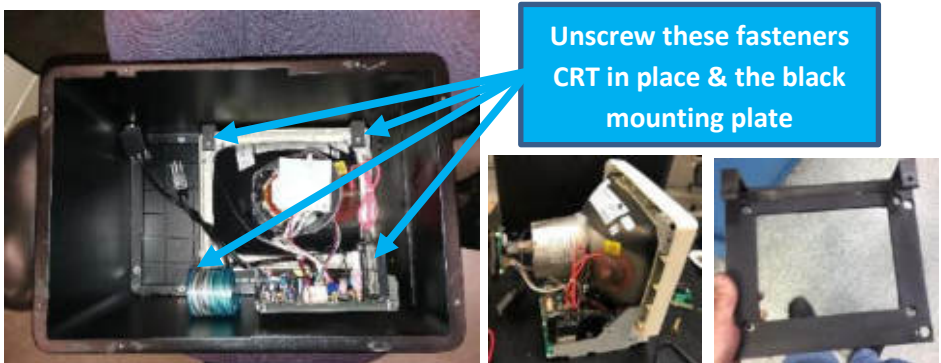

Anode Lead

This method grounds out all high voltage from the CRT

Step #6) Open up the back cover carefully. Unplug the Blue Connector from the controller board. Unplug the AC power plug and the VGA video cable from the controller board.
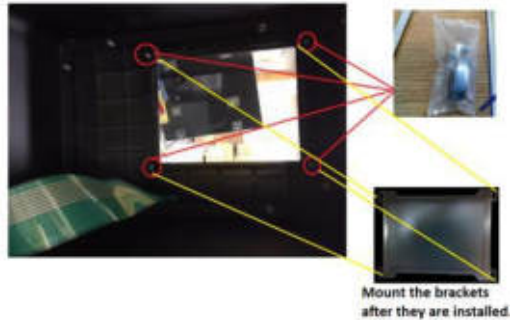

Unplug e AC power plug

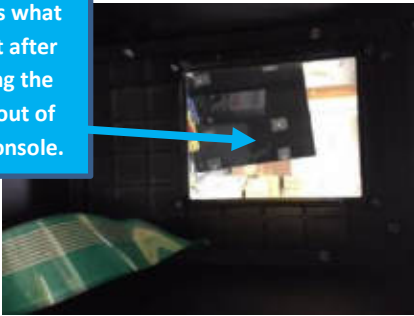Unplug this blue connector

Unplug VGA video connector

Step #7) Unscrew the screws holding the white bezel inside the console. Then take out the CRT, then unscrew the Black Bezel out of the console. Keep the nuts removed for re-installation.

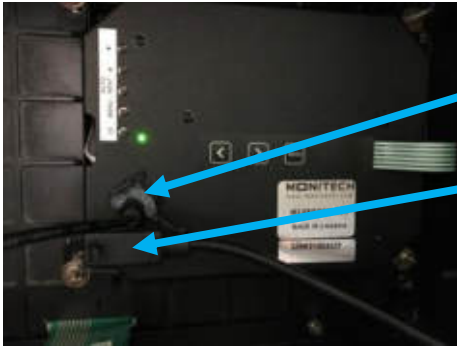Unscrew these fasteners CRT in place & the black mounting plate

INSTALLATION:

Step #8) Now place your Monitech Monitor into the console, by using the 4 screw studs to mount (MH2004) a hardware kit to get the appropriate space between the bezel and the ears of our Monitech Monitor. Use the screws and washers to screw in the monitor into the frame.

This is what is left after taking the CRT out of the console.

Mount the brackets after they are installed.

Step #9) Then take out the MK038, take out the MAV003, MAP302 & MAP307 out of the bag. Set it up as shown. Connect one side of MAV003 (VGA Cable) into the controller board and the other side into our Monitech monitor. Connect MAP302 (AC Cord) into the AC plug coming from your controller, then connect the other side into MAP307 (AC to DC Power supply). Connect the jack from MAP307 into the Monitech Monitor.

PLUG IN THE POWER JACK FROM MAP307 INTO THE MONITOR

PLUG IN THE VGA CABLE INTO THE MONITOR.

Step #10) Before assembling everything back together on your machine. Do a bench test by just providing power to the console. You should get an image of green lines running across your screen.

Step #11) Take the console, still have the back cover unscrewed. Plug all the connectors in that were unplugged in Step # 2.

Plug the Logic Cable, Power Cable and Ground from the console. Plug any other cables from the back of the console.

Step #12) Power on the machine and main power. You should get an image. Use the User Controls found on the back of the monitor to adjust your screen so that it is centred, and all the contents of the image are shown in the display. Use the User Guide Document to show you how to use the menu.
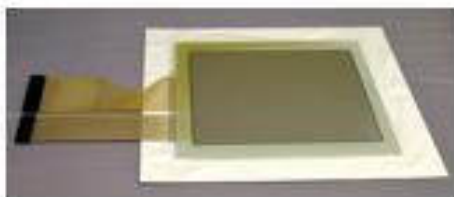

Step #13) Shut off the main power and machine power. Then screw in the back cover. Screw the console back onto the side of the machine with 4 screws. Make sure all the plug is plugged in. Then power your main power and machine power. The screen should display the perfect image of your Prototrax MX2.

YOU'RE DONE & NOW YOU CAN SEE!!!

DISPLAY PARTS

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Replacement: LCD's, Backlight's, Keypad's & Touchscreen's for the whole 600 line.

Replacement: LCD's, Backlight's, Keypad's & Touchscreen's for the whole 900 line.

Replacement: LCD's, Backlight's, Keypad's & Touchscreen's for the whole 1000 line.

Replacement: CRT TO LCD CONVERTION's, Backlight's, Keypad's & Touchscreen's for the whole 1200 line.

Replacement: CRT TO LCD CONVERTION's, Backlight's, Keypad's & Touchscreen's for the whole 1400 line.

Enjoy your rejuvenated Monitor.
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For Technical Support, Call
1-877-493-6105
Support@Monitech.com

MONITECH

20 Howard Place
Kitchener, Ontario   N2K 4Z4
CANADA   519.725.222