

LCD upgrade kit

FOR YOUR 14" Cincinnati Milacron 2100



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:

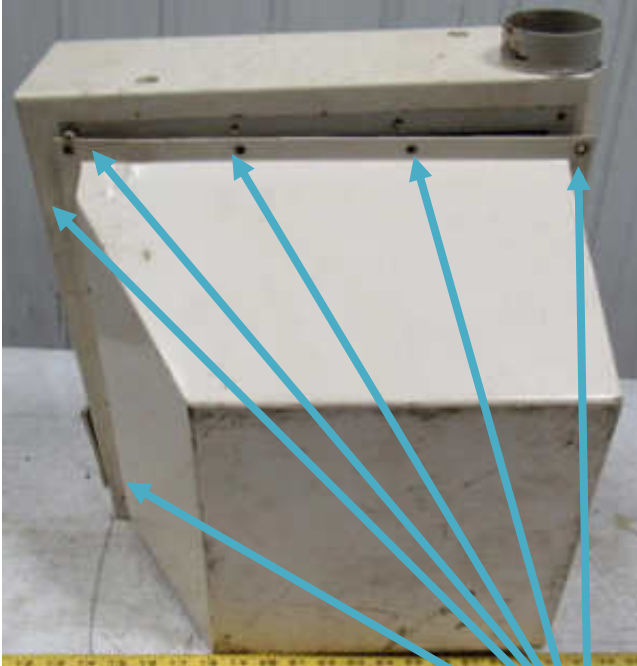
- unauthorized repairs or parts replacement
- inappropriate use or placement: exposing product to liquids, harmful gases, electrical shock, physical shock, temperatures beyond the range of -4°F to 140°F (-20°C to 60°C)
- use of electrical voltage other than 12V 4.16A (power supply and AC cable provided)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

	WARNING	
	ELECTRICAL HAZARD DO NOT OPEN	
<p>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.</p>		

REMOVAL:

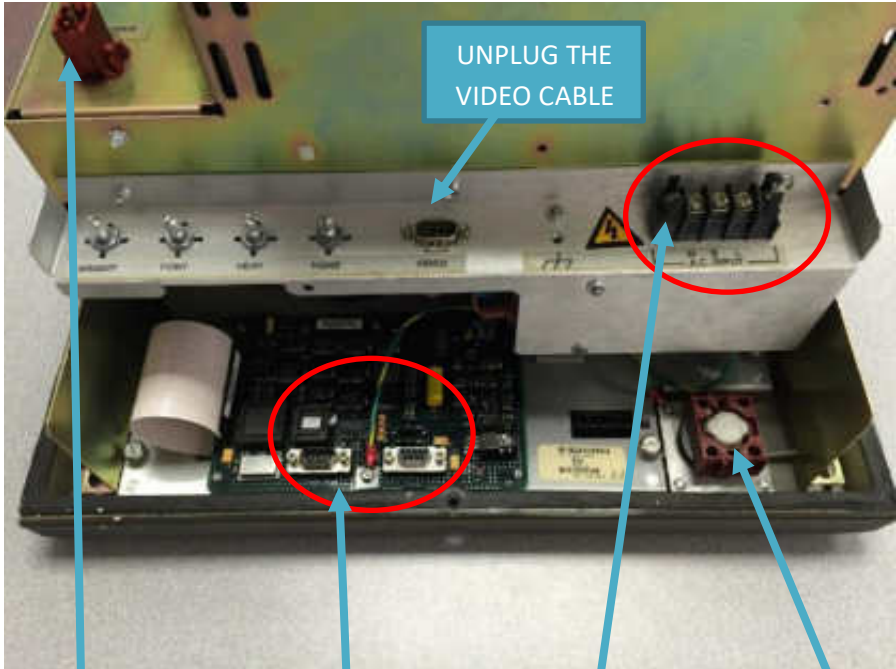
Step #1) Turn off turn off main power, turn off machine.

Step #2) Open up the back panel of the monitor by unscrewing all surrounding screws. Keep the back cover and all screws removed for re-installation.



UNSCREW THESE
SCREWS HOLDING THE
BACK COVER IN PLACE.

Step #3) Unplug cables from the controller. Unplug Video Cable, Fan Power Connector & Emergency Button Connections. Unscrew the power (N.E.L). Please take a photo of all the wires before unplugging anything so when you re-install the monitor you know where everything goes. Note all wire's locations and polarities.



UNPLUG THE FAN

UNPLUG THESE CONNECTIONS

UNSCREW THE WIRES N.E.L

EMERGENCY BUTTON

Step #4) Take the Cincinnati Acramatic HMI Unit out of the frame from the machine by pushing up on the HMI Unit to loosen the hinges. Be careful this unit is very heavy. Put the HMI Unit on a beach.

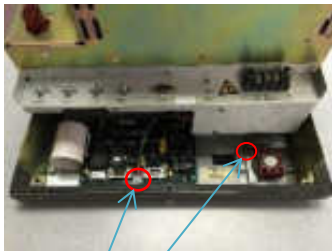


PUSH UP ON THE HMI UNIT HERE.



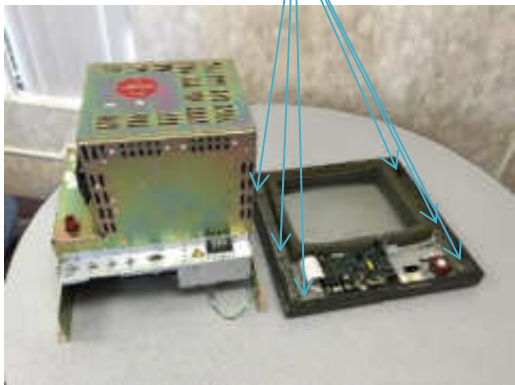
THESE HINGES ARE THE HINGES KEEPING THE HMI UNIT IN PLACE

Step #5) Now that the HMI Unit is on your bench you can start by taking the front bezel off by unscrewing the ground on controller board and on emergency button. Unscrew the 3 screws on each side of the metal frame. Take a picture of the grounds before removing and keep all removed screws for re- installation.

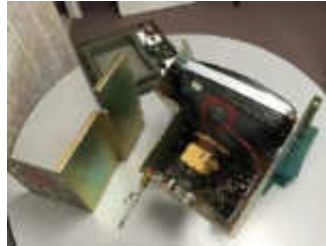


UNSCREW THESE GROUNDS

UNSCREW THESE SCREWS TO TAKE OFF THE BEZEL



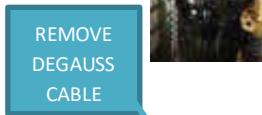
Step #6) Take the back plate off the metal frame, to access some wires in the monitor.



Step #7) 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. Then remove the anode lead by pushing one contact in so that it



Step #8) Remove the neck board, disconnect the yolk, degauss cables & remove all other boards from housing they are not needed.



Step #9) Unscrew the fasteners holding the CRT Frame from the Monitor Panel. Unplug dag spring cable and other blue cable. Cut the degauss zip ties off from the CRT. Keep the screws that held the CRT.



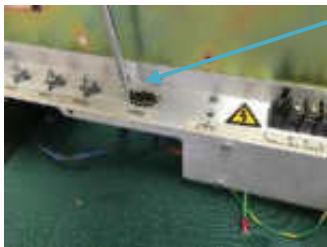
UNSCREW THESE SCREWS
HOLDING THE CRT IN PLACE.



UNPLUG THESE
CONNECTORS



Step #10) Remove the old video connector from the frame and replace it with our adaptor cable.



Remove this
connector

Replace the
connector
removed with
our supplied
adaptor cable



Step #11) Remove the power filter and leave just the ground. Plug in our power adaptor (MAP308) into the 2 plugs.



REMOVE THIS &
LEAVE THE GROUND



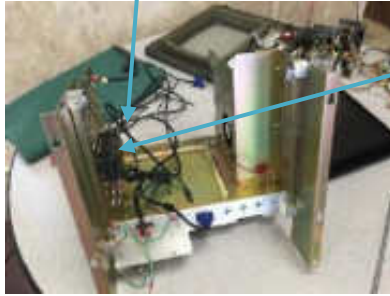
USE MAP308 TO
PLUG HERE



Step #12) Cut all the wires doing the BRIGHT, CONT, VERT & HORZ Pots. Or unscrew them. Then Attach MAP308 other end to MAP307 and zip tie it to the frame.

REMOVE

OTHER END OF MAP308 TO MAP307

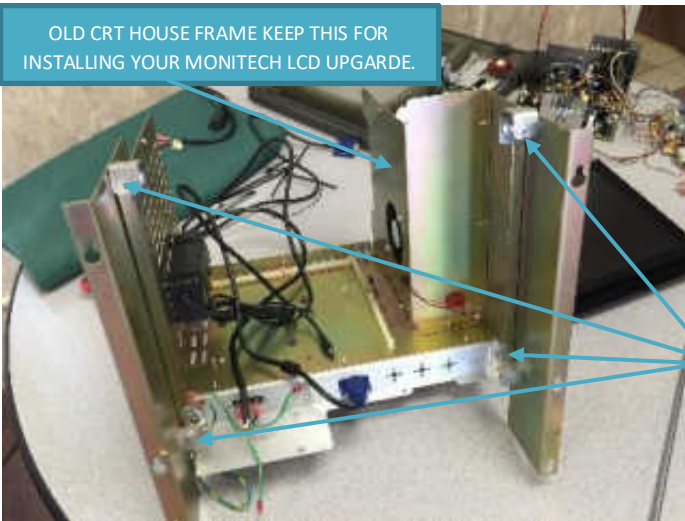


ZIP TIE THE POWER SUPPLY WE SENT TO THE FRAME (MAP307)

ASSEMBLE:

Step #13) Now you are left with the old CRT housing in which you are going to place your Monitech Monitor in. Attach to 4 metal brackets onto the mounting holes where the CRT was using the same screws that mounted the CRT. These are spacers the help the LCD move forward.

OLD CRT HOUSE FRAME KEEP THIS FOR INSTALLING YOUR MONITECH LCD UPGARDE.



MOUNT THE 4 BRACKETS HERE. MOUNT WITH THE SCREWS TAKEN OFF IN STEP #9.

Step #14) Attach your Monitech Monitor to your Old CRT Housing Frame by screwing the washers and screws provided with the monitor to the 4 brackets fastened in Step #13. Connect the Video Connector & the Power Jack to your Monitech Monitor.



PLUG IN THE VGA SIDE INTO YOUR MONITECH MONITOR
AND THE POWER JACK.

Step #15) Mount the bezel back on using the screws that were holding it in the first place.

MOUNT THE OLD CRT FRAME WITH THE LCD
MONITOR & THE BEZEL TOGETHER.



INSTALLATION:

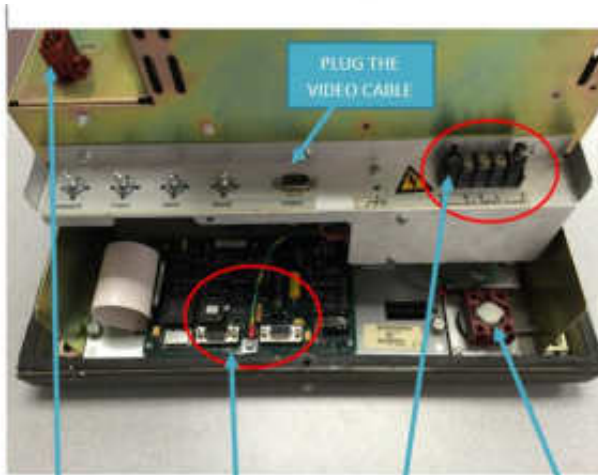
Step #16) Put the HMI Unit back into the machine frame using the hinges. Unplug cables from the controller. Plug Video Cable, Fan Power Connector & Emergency Button Connections. Screw the power (N.E.L).



SLIDE THE HMI UNIT HERE.



THESE HINGES ARE THE HINGES KEEPING THE HMI UNIT IN PLACE



PLUG THE FAN POWER

PLUG THESE CONNECTIONS

SCREW THE WIRES N.E.L

EMERGENCY BUTTON

PLUG THE VIDEO CABLE

Step #17) Turn ON Main Power and Machine Power. Adjust the screen with the user manual, or just press AUTO. Then put the back cover on.



**YOU ARE ALL SET!!!
THANKS FOR YOUR
BUSINESS FROM THE
MONITECH FAMILY. 😊**

Keep your FANUC Workstations + Other HMI's Up & Running!



Replacement for your
FANUC GE C131,
C050, 18T with 9" LCD



LCD Replacements
for your FANUC 9"
CRT's



ML090PT0116S - 10.4"
Fanuc A61L-0001-0116



LCD Replacement for
your 14" FANUC
CRT's



Touch Screen for
Fanuc 21i 10.4 "
(A02B-0281-C081)



LCD PANEL LMG5320XUFC for
the Fanuc A02B-0200-C081 &
A02B-0210-C040
(LMG5320XUFC)

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