





# IMPORTANT:

## WARRANTY

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

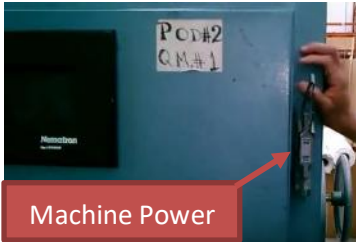
### Attempting any of the following will void product warranty:

- 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.

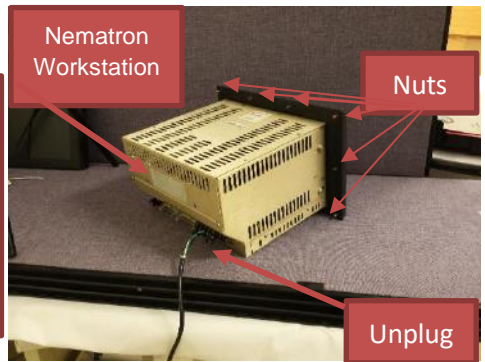
	<b>WARNING</b>	
	<b>ELECTRICAL HAZARD DO NOT OPEN</b>	
TO AVOID ELECTRICAL SHOCK DO NOT OPEN PRODUCT CASING. UNAUTHORIZED REPAIRS OR PARTS REPLACEMENT ARE PROHIBITED AND WILL VOID PRODUCT WARRANTY. PLEASE RETURN TO MONITECH FOR REPAIRS.		

# REMOVAL:

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



Step #2) Take out your Nematron Workstation from your machine by loosening all surrounding nuts. Power off your Nematron Workstation via switch. Unplug Nematron Workstation from machine.



Step #3) Make sure to take a picture of all your connections before unplugging any of your connections. Unplug your video cable.

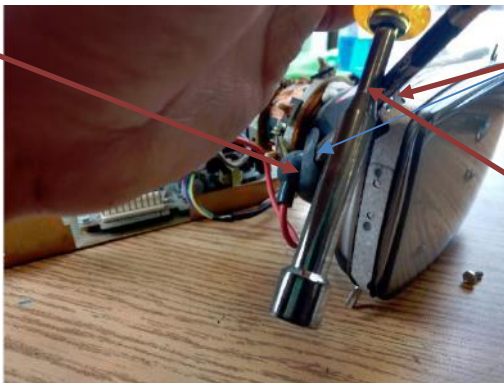


This is your controller board or computer board, unplug the video cable from here.

Video Cable

Step #4) Remove CRT out of chassis by, first grounding out CRT by placing a flathead screwdriver underneath the anode lead, and make sure the screwdriver is touching the metal in the middle of the anode lead and the other end is touching the ear of the CRT and have another screw driver cross with your flat head screw driver. This is for safe removal. Remove anode lead by pressing one side of the screwdriver to the metal in the middle of the anode lead & take it out from the same side you were pressing.

Anode Lead

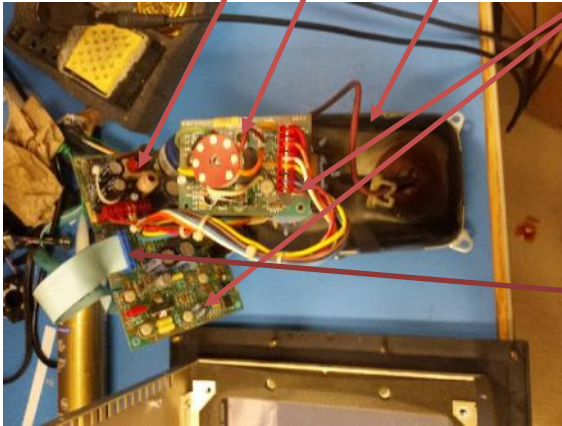


Flathead Screw Driver to middle of anode and to ear

Cross the screwdrivers

Step #5) Remove the **Neck Board** from the CRT it is located at the back of the monitor. Remove the **Yoke** from the Board in the chassis. Remove any other connectors to the boards on the chassis such as **Degus Cable** and unscrew 4 screws holding ears of CRT to chassis, so that that the CRT can be remove fully out of the chassis. Remove all other remaining circuitry in the chassis. Remove screws that hold the boards in place and take out boards and then the other cables.

BEFORE: Remove **Yoke, Neck Board, CRT** and all the **other boards** for the old monitor.



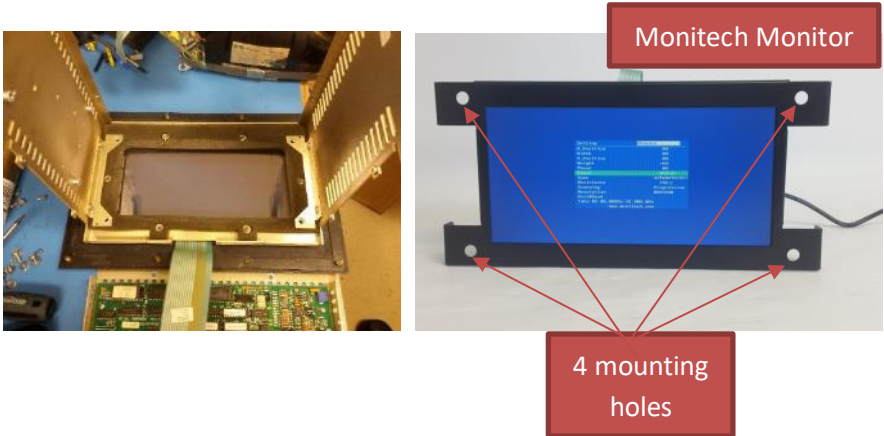
Video cable's old monitor plug-in spot.

AFTER: Now you have all this free room, so you can put or replacement LCD in.

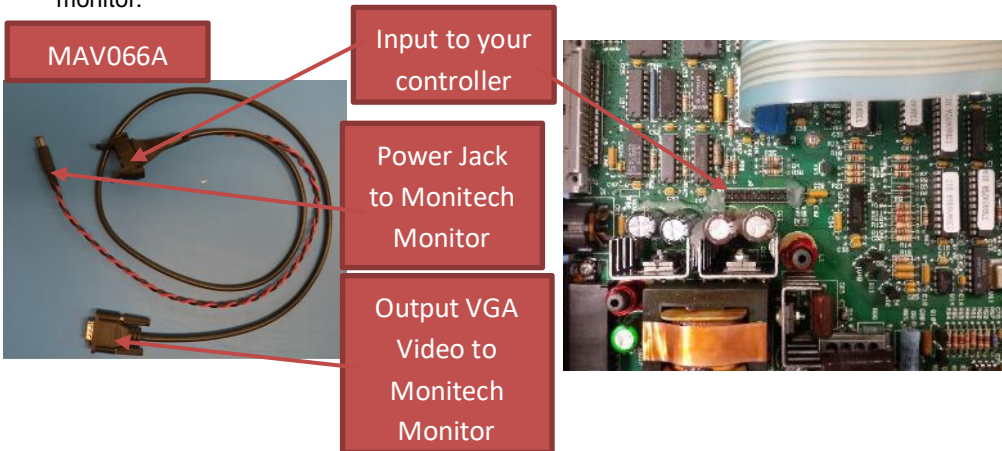


# INSTALLATION:

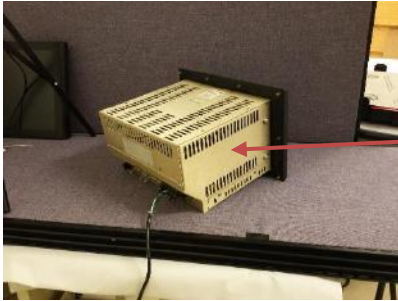
Step #6) Open the monitor that Monitech has supplied you. Place our monitor into opening where your CRT was. Match the mounting holes on the Monitech Monitor with your CRT mounting holes. Use 4 screws and nuts previously holding your CRT in place to attach our monitor into your frame.



Step #7) Take out MAV097 from MK246 box. Do not use any of the other cables, those cables are only for testing or if you are missing power from your video connector on your controller. Plug-in MAV097 to your controller as shown and plug-in VGA cable to Monitech monitor and plug-in power jack into Monitech monitor.



Step #8) Fold or attach the controller metal back on to the whole assembly. To test your new monitor before attaching it to your machine. Use our MAP302 and attach it to the terminals on the back of the computer part of the assembly. Turn on your control.



Attach all the metal parts back to how they were



Turn ON



Cut this side and stripe the plastic off of 20 cm of the wire. To get 3 wires for (N, L, G) match it with our application. Then plug the cord into an outlet to see if the monitor works.

Step #9) If everything is alright. If you need to adjust your screen size use our user guide. Turn off power to control then put front bezel with control and Monitech monitor back onto machine then turn on main power of your machine and you're ready to go.



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



Nematron IWS 3005T & 3015T Touchscreen



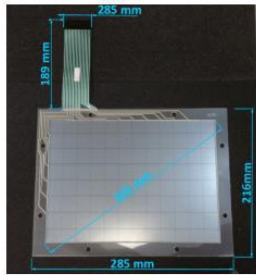
Nematron IWS 1123 LCD Upgrade Kit



Nematron IWS 1104 LCD Upgrade Kit



Nematron IWS 1013 LCD Upgrade Kit



Nematron IWS -1011T Touchscreen 12 inch



Nematron IWS 1023 LCD Upgrade Kit

For Technical Support, Call

**1-877-493-6105**

[Support@Monitech.com](mailto:Support@Monitech.com)

## MONITECH

20 Howard Place  
Kitchener, Ontario N2K 4Z4  
CANADA 519.725.2222