LCD upgrade kit

FOR YOUR 12" Ball CD12, Giddings & Lewis CD12, G&L CD12, 7-022-0100, 21S12C15 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 main power & turn off power for machine.

Step #2) Unscrew the screws around the boarder of the HMI, unplug BNC video cable and detach power.
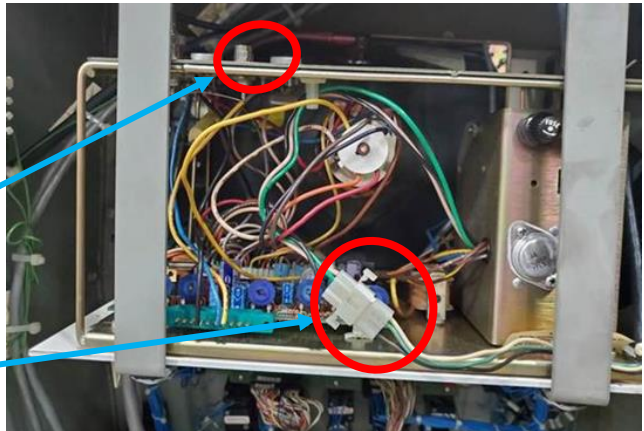

Take the Front Cover of the HMI by unscrewing each of the following screws. Keep the screws for re- installation.
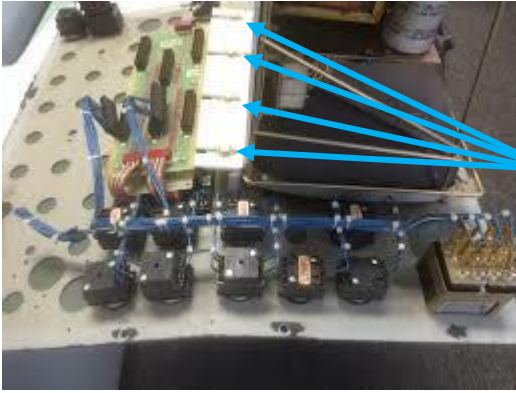

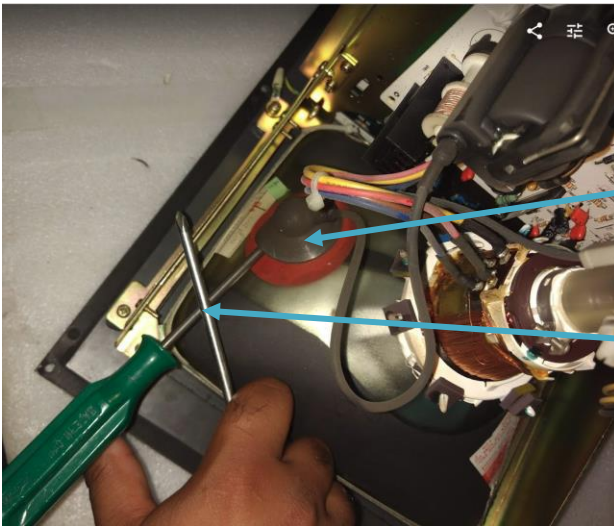UNPLUG THE BNC VIDEO CABLE

UNPLUG THE POWER CABLE

Step #3) Remove the CRT Frame with all the electronics from HMI by unscrews the screws holding it in place. Keep these screws for re-installation.

Unscrewing each of the following screws. Keep the screws for re- installation.

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. Remove the Anode Lead out of the tube.

Anode Lead

This method grounds out all high voltage from the CRT

Step #5) Unplug Neck Board, Yoke, Contrast & Brightness Connector. Remove Degauss around CRT frame & Remove the Driver Board.

Unplug Neck Board.

Unplug Yoke

Remove the Driver Board.

Unplug CRT Video Connector

Remove Degauss around the CRT

Step #6) Unscrew the 4 screws holding the CRT monitor on the frame. Take the CRT out of the frame. Keep the 4 screws just removed for install your Monitech Monitor. Now you are left with the CRT frame.

Unscrew the 4 screws holding the CRT monitor on the frame.
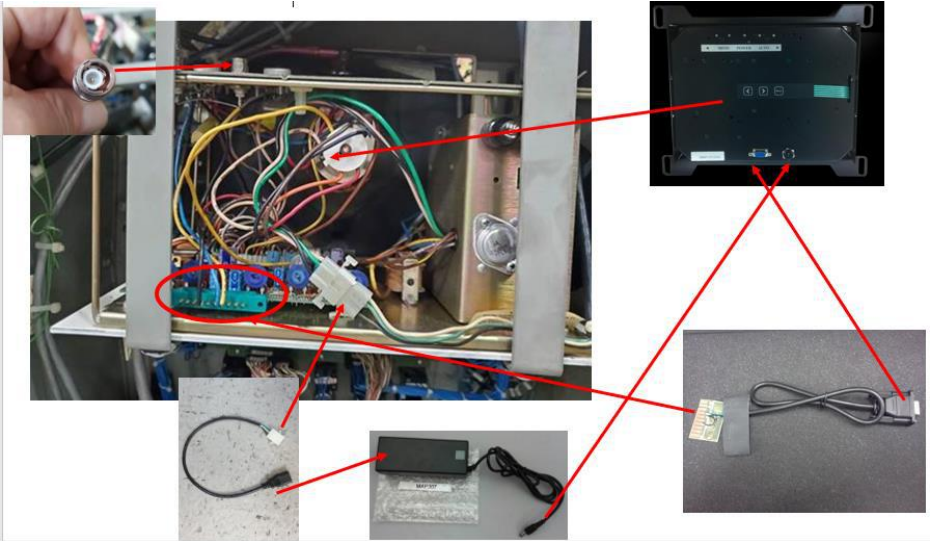
INSTALLATION:

Step #7) Place our monitor into the Old CRT frame. Mount it in with the four holes in the corner of the CRT Frame that help the CRT in place.
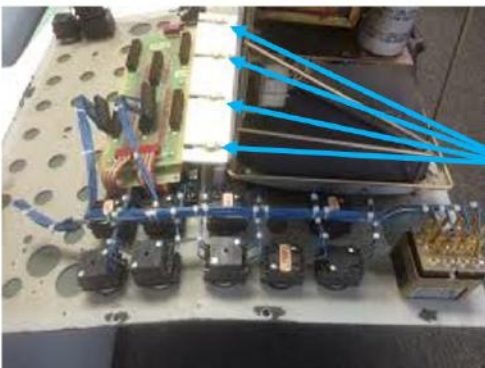

Now mount your Monitech monitor onto the old CRT frame, using the screws removed in Step #6

Step #8) Use MAP315 + MAP307 to adaptor to the AC power. Then plug in the jack into our monitor. Plug in the BNC connector from your controller into the BNC board on the CRT FRAME. Connect MAV077 into the green connector. Connect the VGA side of MAV077 into our monitor.

NOTE: The BNC board take the video connection from your machine and converts its video into the green connector, in which you plug into our MAV077.

Step #9) Place the frame with your Monitech monitor back into your machine.

Unscrewing each of the following screws. Keep the screws for re- installation.

Step #10) Turn on main power & turn on machine power. Please Refer to our user guide to adjust screen settings. After screen is adjusted mount the front cover of your HMI back onto your machine.

Take the Front Cover of the HMI by unscrewing each of the following screws. Keep the screws for re- installation.

Please Refer to our user guide to adjust screen settings.

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

For Technical Support, Call
Take2 Electronics
1-877-493-6105
Support@Monitech.com

MONITECH