LCD upgrade kit

**FOR YOUR FANUC A61L-001-0072,
A61L-0001-0076, A61L-0001-0079,
A61L-0001-0086, A61L-0001-0092,
A61L-0001-0093, Matsushita TR-9DKY6**

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.

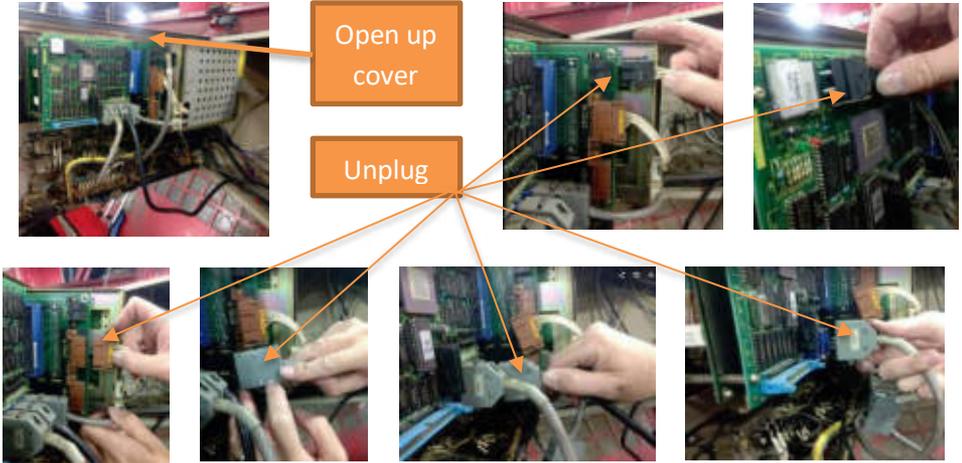**Attempting any of the following will void product warranty:**

- 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.

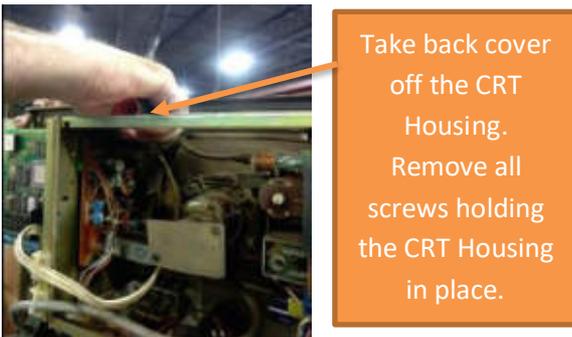| ⚡	**WARNING**	⚠️
	ELECTRICAL HAZARD DO NOT OPEN	
TO AVOID ELECTRICAL SHOCK DO NOT OPEN PRODUCT CASING. UNAUTHORIZED REPAIRS OR PARTS REPLACEMENT ARE PROHIBITED AND WILL VOID PRODUCT WARRANTY. PLEASE RETURN TO MONITECH FOR REPAIRS.		

REMOVAL:

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

Step #2) Open up the cover. Unplug all the connectors shown in the pictures. Take a picture of all connector positions before unplugging as the connectors do have to be plugged back in after installing the new monitor.
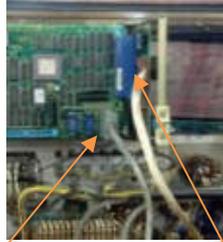

Open up cover

Unplug

Step #3) Remove the CRT housing from the back by removing all the fasteners that are holding the CRT housing in place. Retain all screws for installation of your new monitor.

Take back cover off the CRT Housing. Remove all screws holding the CRT Housing in place.

Step #4) The neck board, the yolk & all other boards from the CRT housing are not needed. Remove & Retain the power cable & video cable.
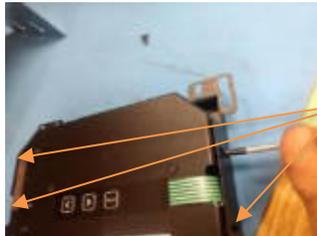

To be removed

Keep Video Cable

Keep Power Cable

ASSEMBLY:

Step #6) Now you are left with the original CRT frame which can be discarded. First you must remove the black screws on the side of the Monitech Monitor as shown below.
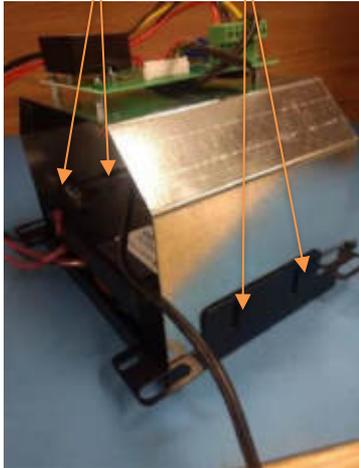

The CRT frame can be discarded

Remove all 4 Black screws on the side of the monitor.

Step #7) Align the metal bracket (MK013) to match the slots on the side, and fasten the black screws to mount the metal bracket (MK013) to the LCD.

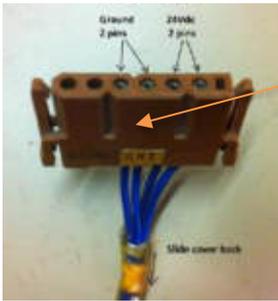Use the black Screws you removed to attach the metal bracket (MK013)

Orientate the metal bracket (MK013) so that the Blue socket ends up on the same side and near your existing video connector so it can be easily plugged in the socket!
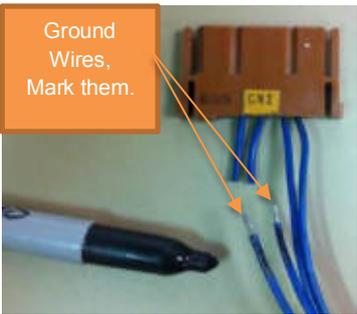
Step #8) Your Fanuc monochrome CRT monitor accepts 15Vdc to 24Vdc. Since your new Monitech LCD accepts only 12Vdc, your LCD Upgrade Kit contains a converter cable. It converts 15Vdc or 24Vdc to 12Vdc.
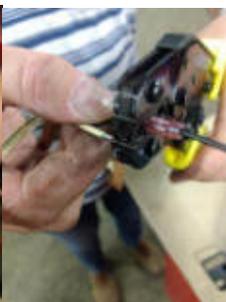
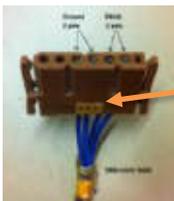Using a black marker, mark the two ground wires. Cut and strip the two ground wires.

This is the original Fanuc power connector that comes out of your control panel. Slide the cover down.
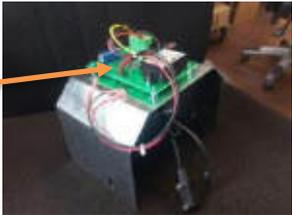
Ground Wires, Mark them.

Strip both wires and crimp them with our two black wires with red butt connectors.

These 2 Black Wires with Red Butt conntectors.

Do this same process for the 24 VDC Wires and Cut them for original connector, strip them and crimp them to our 2 red wires with red butt connectors.

Cut, Strip and Crimp these 24 VDC Wires to our Red Wires with Red Butt Connectors on our MK013

INSTALLATION:

Step # 9) This next step will show how to mount your new monitor to your front panel. Use the supplied foam strip to cover any gaps and act as a frame within the bezel. Now using the 4 screws provided, mount the new monitor to the back of your front panel.

Attach foam strips to get rid of any gaps when installing the monitor. Foam strip is provided in your upgrade kit.

Mount the new monitor using the inside mounting slot to the back of your front panel with fastners
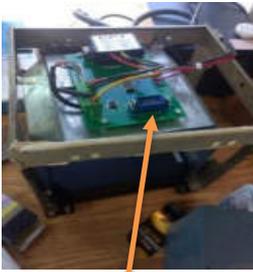
Step #10) Reconnect all connectors to their correct location (Use your pictures if necessary)
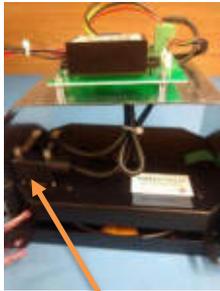

Reconnect all the connectors removed at the beginning of the Installation

Step #11) Plug the BLUE Video connector into the blue socket as shown below. Plug VGA from the Adaptor to our monitor, and the power jack.

Connect the BLUE Video connector from your controller to the board as shown

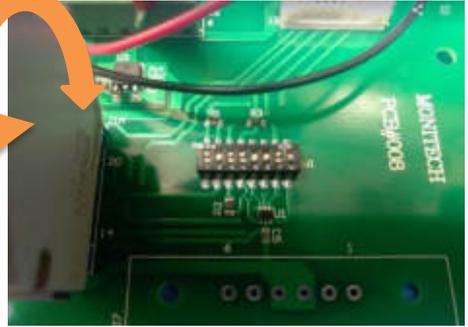Connect the supplied VGA cable here.

Connect the supplied Power plug here.

Step #12) Turn ON Main Power and Machine Power. **If you're seeing a blue screen flip the blue honda video cable around 180 degrees and plug back in. *A Power Supply (MAP307) is provided for testing only.** The LCD user guide can be used to centre your screen once fully installed and video is evident.
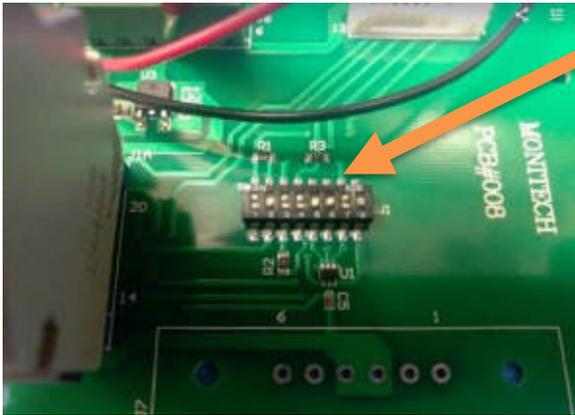
TROUBLESHOOTING:

1)   **If you're seeing a blue screen flip the blue honda video cable around 180 degrees and plug back in.**

2) If your monitor is showing black after powering up. Check the jumper settings on our board. They should be set to 3 & 7 ON. If you adjust power off the machine then adjust, then power back on.

JUMPERS ON OUR ADAPTOR BOARD. SHOULD BE DEFAULT SET TO 3 & 7. SOMETIMES 3 & 8 ON WORKS.

You are all set!
We thank you for your business.

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

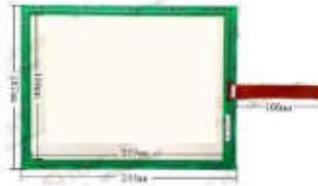**Replacement for your FANUC GE C131, C050, 18T with 9" LCD**

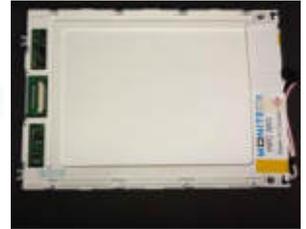**LCD Replacements for your FANUC 9" CRT's**

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
(LMG532OXUFC)

For Technical Support, Call
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