

INSTALL GUIDE

MONITECH ML121QT0097 / ML121QT0096

FANUC A61L-0001-0097 & A61L-0001-0096 (14" CRT)



For qualified service personnel.

Read this guide and all shipped documentation before starting.

 ATTENTION	WARNING — ELECTRICAL HAZARD DO NOT OPEN
	CRT monitors hold high voltage even after power-off. To avoid electric shock, do not open the product casing. Discharge the CRT with approved tools before servicing. Service by qualified personnel only.



SCAN TO CONTACT US
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BEFORE YOU BEGIN

Warranty & Safety

- Disconnect machine power at the main disconnect before servicing.
- Discharge the CRT before touching internal parts (see Section 1).
- Use only the supplied 12V 4.16A power supply and AC cable.
- Do not open the monitor casing — unauthorized repairs void warranty.
- Operate within -20°C to 60°C (-4°F to 140°F).

Kit Contents

- Monitech LCD monitor with mounting hardware
- 12V power supply + AC cable
- VGA video cable and cable adaptor plate
- MH2003 spacer kit (use only if monitor sits too deep)

Tools Required

- Screwdrivers · nut driver · CRT discharge tool · camera/phone (to log cable positions)



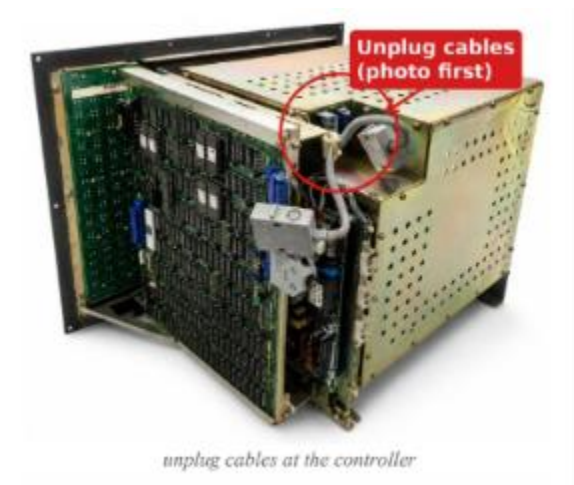
Monitech LCD with mounting brackets



MH2003 mounting & spacer kit

Section 1 — Remove the CRT (Part A: Disconnect)

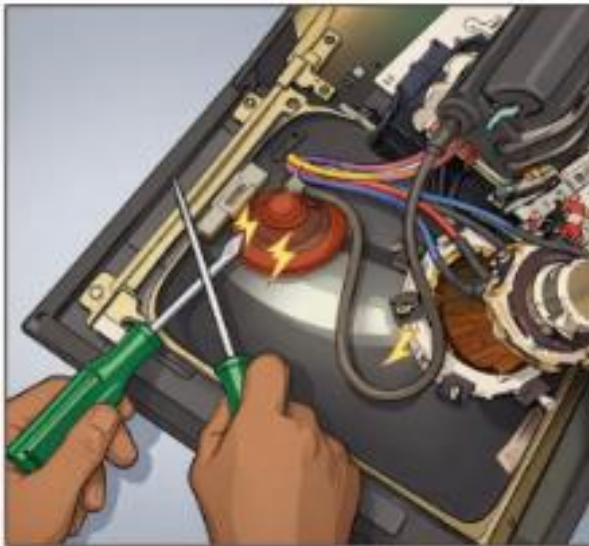
1. Power down. Turn off machine power, then the main disconnect.
2. Photograph the wiring, then unplug the cables at the controller. Photos ensure correct reconnection later.
3. Remove the front-panel fasteners holding the monitor panel to the machine face.
4. Disconnect the power and blue video connectors from the CRT. FANUC 14" CRTs use one of two power-connector types — note which one you have before unplugging



Section 1 — Remove the CRT (Part B: Discharge & Strip)

High-voltage step. A CRT can hold a lethal charge after power-off.

1. **Discharge the CRT:** slip a screwdriver under the anode-lead rubber and bridge it to chassis metal with a second grounded screwdriver. Then release the anode cap.
2. **Remove the CRT-frame fasteners** securing the frame to the monitor panel.
3. **Remove the CRT.** Take out the neck board, disconnect the yoke, and remove the remaining internal boards — they are not reused.
4. **Keep the CRT mounting screws** — you will reuse them to mount the Monitech monitor.



discharge the anode to chassis

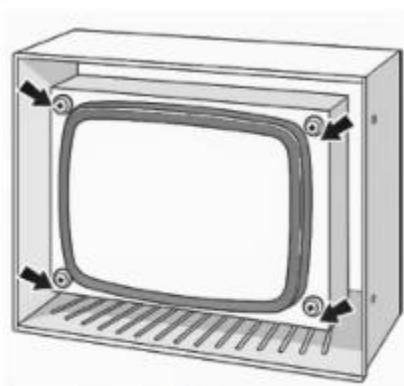


Remove CRT-frame fasteners

Section 2 — Install the Monitech LCD

1. Mount the LCD into the old CRT housing using the original CRT screws you set aside.
2. Make sure the monitor is seated squarely and secured at all corners.
3. Use MPL121CB if required to fill up the gap between front panel and monitor by attaching it to the monitor on its fastening holes.
4. Refit the frame (with the LCD attached) onto the control panel using the original mounting holes.
5. If the screen sits too deep behind the panel face, fit the MH2003 spacers on all four corners, then re-mount.

Empty housing shown for reference — all CRT electronics and the rubber bezel are discarded.



Mount LCD with original screws



Mount bracket with original screws



Stripped CRT housing

Section 3 — Connect & Power Up

1. **Fit the cable adaptor plate** where the old power/video corner mount was. Connect the VGA and power jack to the monitor; plug the AC cable into the supplied power supply.
2. **Reconnect the machine harness** — every cable removed at the start (use your photos).
3. **Power up**: turn on the main disconnect, then machine power. The LED turns green on a valid signal.
4. If the image is off-centre, press AUTO on the monitor control to auto-fit.
5. **Refasten the monitor panel** to the machine face.

Final Check

- Monitor mounted securely · all cables connected · no pinched wires · image verified.



You're all set.

Keeping your FANUC workstations and HMIs up & running.

Technical Support

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