



Monitor - 10-Inch CRT - Without Plastic Bezel - To LCD Replacement

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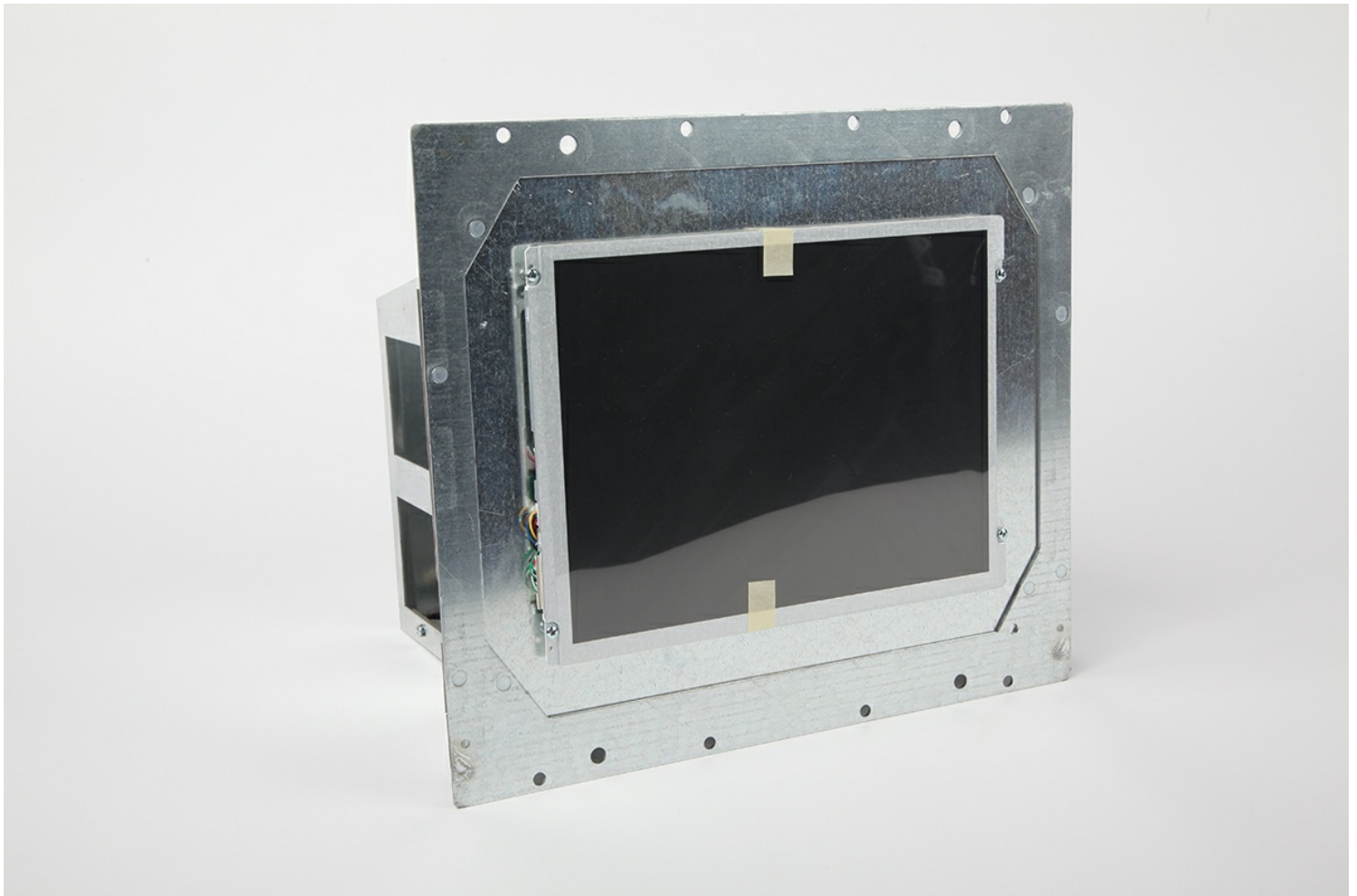



Translation Available



Monitor - 10-Inch CRT - Without Plastic Bezel - To LCD Replacement - Introduction

This procedure tells you how to replace a 10-inch CRT monitor with an LCD monitor. This procedure applies to LCD monitors that do not have a plastic bezel.




 **Caution:** When you do maintenance or repair on CNC machines and their components, you must always follow basic safety precautions. This decreases the risk of injury and mechanical damage.

Do these steps before you do work in the machine or in the control cabinet:

- Set the main circuit breaker to the **[OFF]** position.
- Use an approved lock with an approved safety tag. Always follow lock-out procedures in accordance to local government rules.
- After turning off the machine, wait at least 5 minutes before working in the control cabinet, to allow power to dissipate. Wait for the voltage indicator LED on the vector drive to go off completely.
- Always turn off the main air supply when you work on any part of the pneumatic system.
- Make sure to rest the spindle head on a block of wood when work is done on a vertical axis. This will prevent any unintended movement that could result in the axis falling.
- Never alter any safety circuits on the machine.

You should not do machine repair or service procedures unless you are qualified and knowledgeable about the processes. Serious damage to the machine components can result in costly repairs. The service technicians at your Haas Factory Outlet (HFO) have the training and experience, and are certified to do these tasks safely and correctly. The repair and service work performed by your HFO is protected with a limited warranty.

 **Danger:** Some service procedures can be dangerous or life-threatening. DO NOT attempt a procedure that you do not fully understand. If you have any doubts about doing a procedure contact your Haas Factory Outlet (HFO) and schedule a service visit.

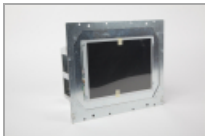
Machine Compatibility

Do this procedure for machines:

- Made from March 1, 2000 to January, 2003.
- That have a 10" CRT monitor that does not have a plastic bezel.



Parts Included



[A] 93-5222 QTY: 1
MONITOR, CRT TO LCD FOR
MACHINES WITH NO BEZEL (POST
03/2000)

Tools Required



ESD Strap

Monitor - 10-Inch CRT - Without Plastic Bezel - To LCD Replacement - Removal

STEP 1



Push **[POWER OFF]**.

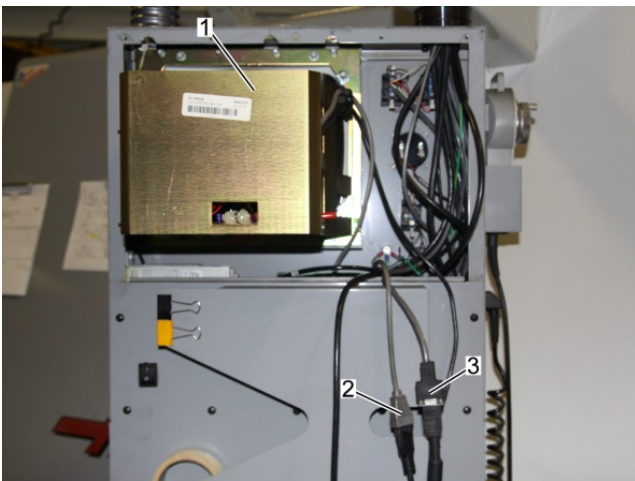
Set the main circuit breaker to the **OFF** position.

Lock the main circuit breaker. Use an approved lock with an approved safety tag.



Caution: When you handle a PCB, you must wear an Electrostatic Discharge (ESD) strap.

STEP 2



Remove the rear cover of the pendant.

Disconnect the CRT data cable [3] and the power cable [2].

Remove the monitor [1].

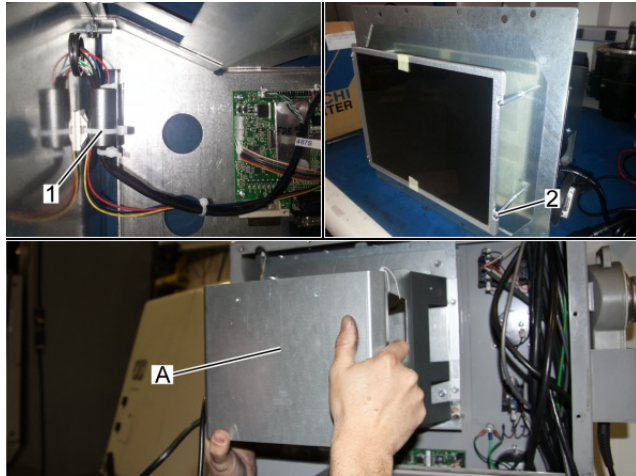


Caution: Before you remove the last top nut, support the weight of the monitor.

Clean the inside of the protective glass.

Monitor - 10-Inch CRT - Without Plastic Bezel - To LCD Replacement - Installation

STEP 1



Remove the cable tie [1] on the ferrite core.

Pull 1/2" of the cable through the hole. This releases cable tension when you install the monitor.

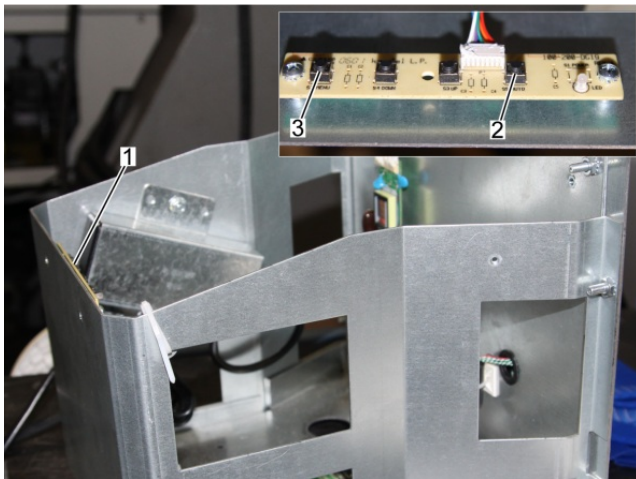
Install the 4-40 screws and the 1" standoffs [2] to the LCD MONITOR [A] and monitor housing.

Remove the protective cover from the monitor.

Install the monitor. Install the top nuts first.

Connect the LCD data cable and power cable.

STEP 2



Set the main circuit breaker to the **ON** position.



Push **[POWER ON]**.

Find the monitor control buttons [1] on the upper rear of the monitor housing.

Push the **MENU** button [3] to adjust the monitor settings.

If the screen does not show an image, push the **[AUTO]** button [2]. This sets the monitor to the default display settings.

Install the rear cover of the pendant.