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MODEL 9100
MONOCHROME TO COLOR DISPLAY
FIELD CONVERSION PROCEDURE

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Performing the 9100 Monochrome to Color Display Conversion

Introduction

This guide covers the steps for converting the 9100 series terminal from a monochrome to a color display. The following procedures include a list of tools and the hardware required for the conversion.

Scope

The following procedures apply to all Triton certified service personnel involved in the process of maintaining or converting Triton ATMs.

Overview

The 9100 Monochrome to Color Display Conversion will require the replacement of the display assembly and main board. The kit includes all cabling and associated mounting hardware.

Document Updates

Feb 19 2010   Original

TOOLS REQUIRED		
#1 and #2 Phillips screwdriver (Magnetic recommended) 11/32" (9mm) nut driver ESD wrist strap with grounding cord		
9100 MONOCHROME TO COLOR DISPLAY CONVERSION		
PARTS SUPPLIED		
PART NUMBERS	**DESCRIPTION**	**QUANTITY**
06200-00338	9100 MONO to Color Replacement Kit	1
ACCESSORY BOX		
09110-00153	Color Display Assembly	1
06200-00013	Main Board	1

REPLACING THE MAIN BOARD ASSEMBLY

The Main Board Assembly is located on the control panel. To remove it from the control panel proceed as follows:

REMOVING THE MAIN BOARD ASSEMBLY FROM THE CONTROL PANEL

Tools:

    1 - #2 Phillips screwdriver
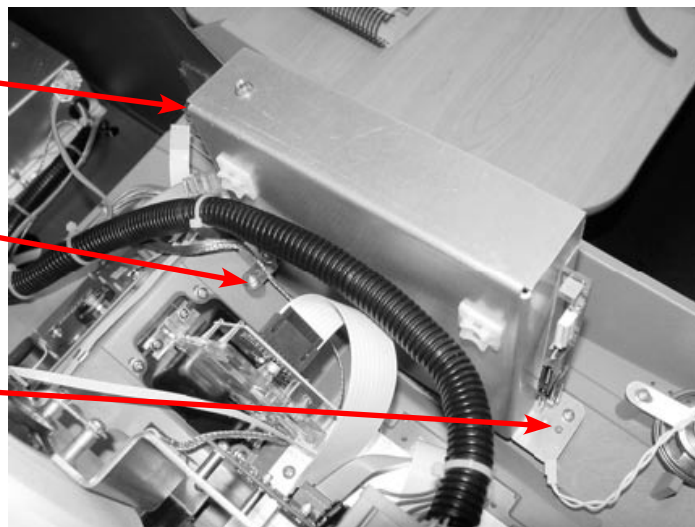   1 - ESD wrist strap with grounding cord.

To remove the main board assembly complete the following procedure:

1. Unlock and open the control panel.

2. Put the ESD wrist strap on and attach the cord to ground.

3. Push the AC power ON/OFF switch on the power supply to the OFF (0) position.

4. Unplug all connectors from the main board assembly.

5. Cut the cable ties that secure the DC power harness to the main board assembly cover.

6. Refer to the following Figure. Remove the three screws that secure the main board assembly to the control panel.

SCREW 1 (Hidden)

SCREW 2

SCREW 3

7. Remove the main board assembly from the control panel.

Install the new main board in the reverse order. The new main board will be loaded with 9100 software that will support the new color display.

REPLACING THE MONOCHROME LCD ASSEMBLY IN THE MODEL 9100 CASH DISPENSER

The LCD assembly is located on the control panel underneath the printer mounting bracket and printer control board assemblies. The easiest way to access the LCD assembly is to remove the printer mounting bracket and printer control board assemblies as one unit. Then the LCD display assembly can be removed from its mounting bracket.
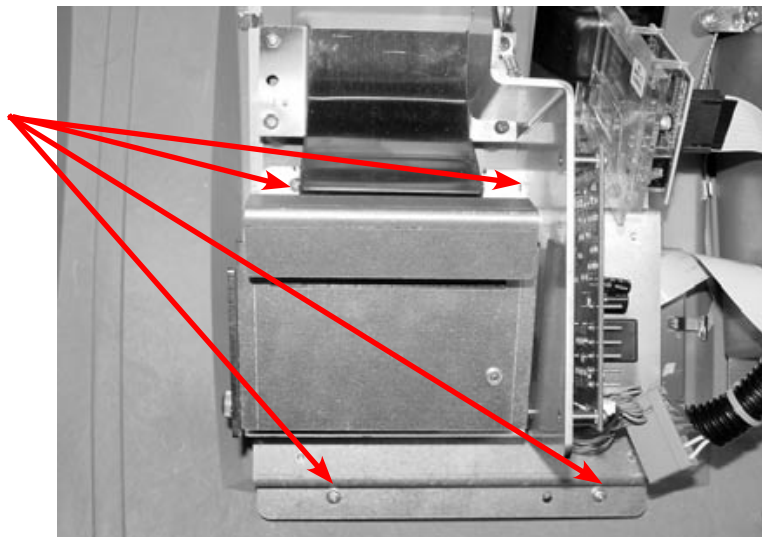
REMOVING THE MONOCHROME LCD ASSEMBLY

Tools:

1 - #2 Phillips screwdriver
1 - ESD wrist strap with grounding cord.

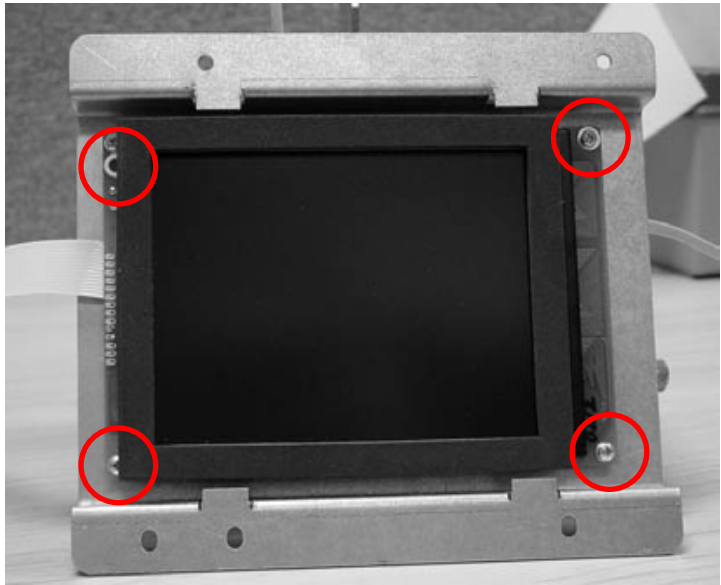To remove the monochrome LCD assembly complete the following procedure:

1. Unlock and open the control panel.
2. Put the ESD wrist strap on and attach the cord to ground.
3. Push the AC power ON/OFF switch on the power supply to the OFF (0) position.
4. Cut the receipt paper. Remove the receipt paper and spool from the control panel.
5. Disconnect the flat ribbon cable from J1 on the paper low/manual feed switch PCB assembly.
6. Disconnect the printer communications cable from CN6 on the printer controller board.
7. Disconnect the printer DC power harness from CN1 on the printer controller board.
8. Disconnect the LCD power/data cable from J12 of the main board assembly.
9. Refer to the figure below. Remove the four screws that secure the display assembly to the control panel.

Remove the 4 (four) screws shown to remove the printer controller and display. The screw in the upper right is hidden in this view.

10. Carefully remove the printer/printer control board and LCD assembly from the control panel. Be careful not get fingerprints on the display or damage the display shield.

11. Place the printer/printer control board and display assembly on a clean flat surface.

12. Refer to the figure below. Using the #2 Phillips screwdriver remove the four screws that secure the LCD display mounting bracket
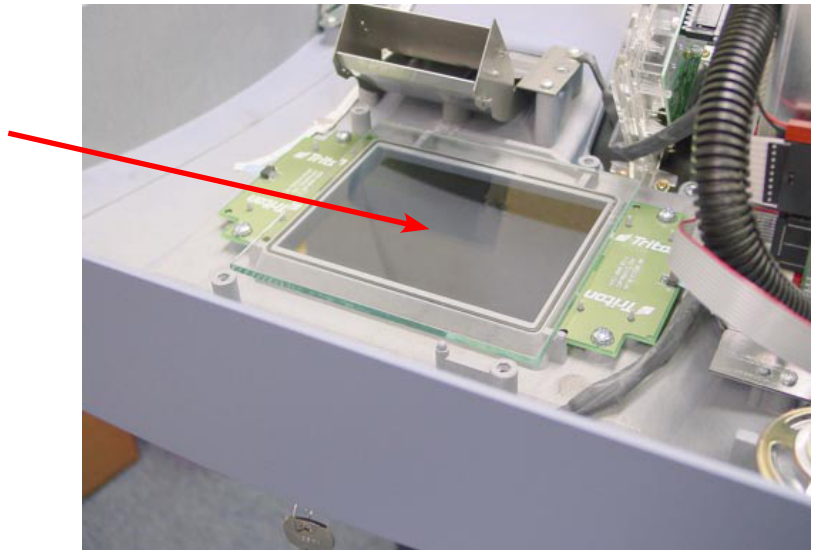
LCD Display screws

13. Separate the LCD from the display mounting bracket.

INSTALLING THE COLOR DISPLAY ASSEMBLY

Tools:

1 - #2 Phillips screwdriver
1 - ESD wrist strap with grounding cord.

Take this opportunity to clean the shield before proceeding. Use a soft cloth and non-abrasive glass cleaner. Place it into the mounting brackets on the control panel.

To install the color LCD assembly complete the following procedure:

1. If needed connect the LCD data cable to the display.

2. Attach the new LCD Display to the display mounting bracket and secure it to the mounting bracket with the four screws that were removed during disassembly.

3. Connect the LCD power cable to the inverter.

4. Place the printer/printer control board and display assembly onto the control panel.

5. Secure it to the control panel with the screws that were removed during disassembly.

6. Connect the LCD data cable to J12 on the Main Board Assembly.

7. Connect the printer communications cable to CN6 on the printer control board.

8. Connect the printer DC power harness to CN1 on the printer controller board.

9. Connect the flat ribbon cable to J17 on the main board assembly.

10. Inspect the control panel thoroughly. Look for loose components, and cables not seated in their respective connectors.

11. Push the AC Power ON/OFF switch to the on position.

12. Install the paper in the printer assembly.

13. Disconnect the ESD Wrist Strap from the ground connection.

14. Clear all error conditions and verify that the LCD Display and cash dispenser are operating correctly.

15. Close and lock the Control Panel and put the cash dispenser back in service.

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