

MODIFICATION RECOMMENDED –  
CORRECTS MANUFACTURING OR DESIGN DEFECTS

**81104A-05B**

# S E R V I C E N O T E

Supersedes:  
81104A-05A

## 81100 Family Pulse Pattern Generators

**Serial Numbers: DE41B01150 / DE41B01544**

**All serial numbers < DE41B01544 when a new display is installed**

**Intermittent display failures  
(shifting lines, inverted, fully lit or completely dark display)**

**To Be Performed By: Agilent-Qualified Personnel**

**Parts Required:**

P/N	Description	Qty.
0960-0996	Filter Plate	1

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 0.25 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: May 2007	
AUTHOR: SM	PRODUCT LINE: 24		
ADDITIONAL INFORMATION:			

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**Situation:**

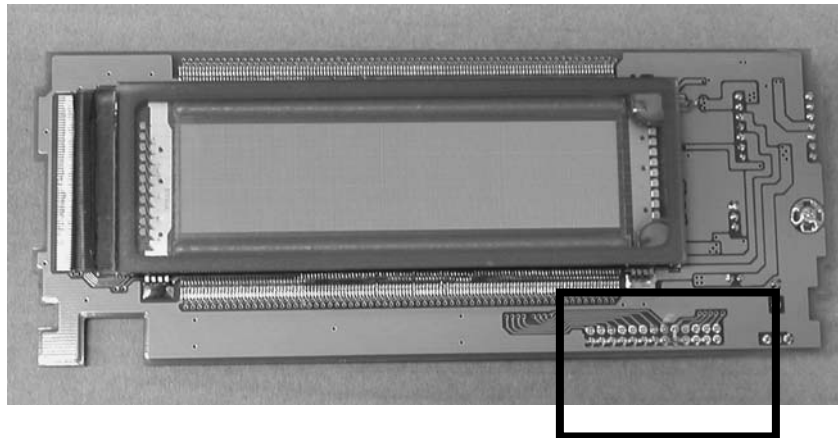
Intermittently the front panel display may show shifting lines that are falling back to their normal state. Additionally an inverted display, a display with all pixels lighted or a blank display may occur intermittently.

After cycling the power of the pulse generator the display works normally again. Reproducing the symptom might not be possible.

**Solution/Action:**

The following rework will improve the behavior of the display:

- Remove the front frame and unplug the connector cable from the 81100 mainframe.
- Carefully remove the display module from the front frame and check for a capacitor that might have been added during an earlier intermittent modification (see picture below). If there is such a capacitor, unsolder it from the module. Re-install the display into the front frame.



- On the 81100 mainframe replace the existing filter plate with the new filter plate, p/n 0960-0996. The new filter plate can be identified by a single connector pin that shows a red color code.

