

S E R V I C E N O T E

SUPERSEDES: 4957A-05

4957A Protocol Analyzer

Serial Numbers: 3125A00000 / 3125A00456

Main Board Assembly 04957-66501 / 04957-66502

Modification to prevent enlargement or shrinkage of display

To Be Performed By: Agilent-Qualified Personnel

Situation:

Due to temperature fluctuations in the 4957A the display may enlarge or shrink from its normal alignment size. This problem is caused by a capacitor with the wrong temperature coefficient loaded in the CRT analog circuitry on the main board assembly.

Solution/Action:

Because of the SMT technology used on the main board assembly, a component modification is not recommended. Instead replacing the Main board assembly with the bluestrip exchange is the recommended fix. To know whether or not the Main board has already been modified, look at the Main board under the yoke and if there is a through-hole capacitor mount on the board the modification has been done. If the capacitor is not on the board follow the steps below to modify the 4957A.

1. Disassemble the 4957A by removing the 4 screws on the bottom cover. Carefully remove the top cover. The power supply cables and the disk drive cable run from the top cover to the main board.

Continued

DATE: 03 October 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.75 Hour
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: RCB	ENTITY: 3800	AGILENT RESPONSIBLE UNTIL: 01 November 1993	
		ADDITIONAL INFORMATION:	

2. Disconnect all cables from the Main Board Assembly.
3. Remove the Front panel, Side panel and Rear panel assemblies.
4. Replace the Main board assembly with the appropriate exchange board.
 - 04957-66501 replace with 04957-69501 (Std)
 - 04957-66502 replace with 04957-69502 (Opt 001)
5. Reassemble the instrument.
6. Apply the appropriate AC voltage. Turn on the 4957A and perform the self tests to verify proper operation.