

S E R V I C E N O T E

SUPERSEDES: None

**4957A Protocol Analyzer**

**Serial Numbers:** 3125A00000 / 3125A00919

**Misloaded Diodes / A1CRV7, CRV13, CRV14**

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

**Parts Required:**

Part No.	Qty.	Description
1901-1249	2	Diode
1901-1308	1	Diode

**Situation:**

The analog circuitry of the 4957A has three diodes that are misloaded. One of the diodes, CRV14 may eventually cause a “No Display” situation and even cause physical damage to the PC board by overheating and burning the board.

**Solution/Action:**

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

*Continued*

DATE: 01 November 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
<b>MODIFICATION RECOMMENDED</b>					
ACTION CATEGORY:	<input checked="" type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.8 Hour		
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: 01 January 1994		
AUTHOR: RCB	ENTITY: 3800	ADDITIONAL INFORMATION:			

- 2. Disconnect all cables from the top cover.
- 3. Using Figure 1, locate and remove CRV7, CRV13, and CRV14.
- 4. After removing the diodes place new diodes into the following locations

CRV7 & CRV13 ..... p/n 1901-1249 CRV14 ..... p/n 1901-1308

- 5. Reassemble the instrument.
- 6. Apply AC voltage. Turn on the 4957A and perform the Self Tests to verify proper operation.

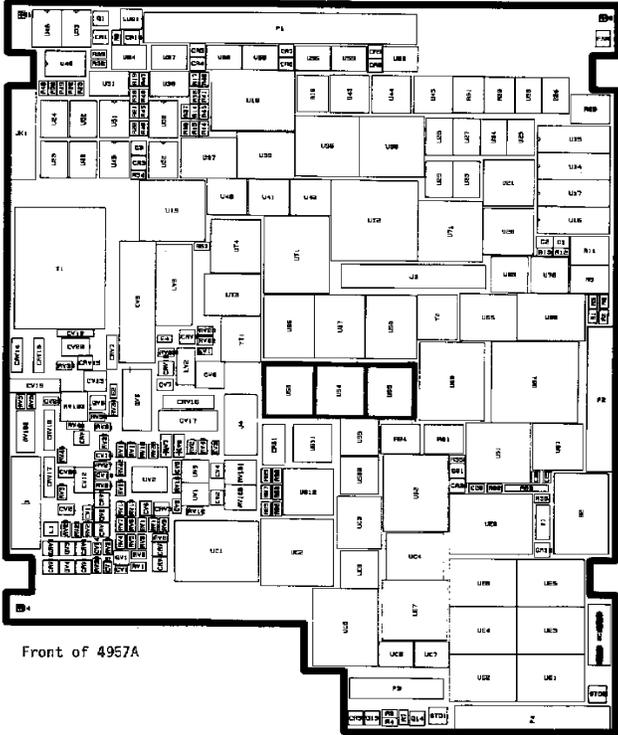


Figure 1