

S E R V I C E N O T E

SUPERSEDES: None

5372A Modulation Domain Analyzer

Serial Numbers: 0000A00000 / 2952A00276

Histogram Failure

To Be Performed By: Customers or Agilent-Qualified Personnel

Situation:

The A3 Time board has reflections on an unterminated logic line (CTWR). These reflections can cause the unit to fail the Histogram self-test.

Solution:

By terminating this logic line, with a resistor and a capacitor, the modification will attenuate the reflections.

Parts Required:

Part No.	Qty.	Description
0160-4031	1	Capacitor-Fxd 330pf
0699-1542	1	Resistor-Fxd 51 Ohm
1820-4350	1	Digital IC
1200-0825	1	20 pin Socket

Continued

DATE: 12 August 1992

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 1.0 Hour		
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: 12 August 1994		
AUTHOR: JE	ENTITY: 0200		ADDITIONAL INFORMATION:		

NOTE: This service note requires that you have access to a 5372A Service Manual (part number 05372-90016).

To gain access and modify the A3 Time board, follow the procedure below:

1. Unplug the power cable prior to servicing the unit. Remove the top two feet.
2. Locate the screw on the top cover and turn it counter-clockwise (this will back the top cover away from the front frame). Now remove the top cover.
3. Remove the board retainer by loosening the ten thumb screws and lifting the retainer off.
4. On the board retainer, there is a screen printing of the board locations. The A3 is located close to the center of the instrument. Remove the A3 board. Note: revision C has been laid out to include the modifications.
5. Place the A3 assembly on an ESD protected surface. Remove U14 and solder in the 20 pin socket. On the circuit side, solder the 330 pf capacitor across pins 4 and 10 of U14. Now solder the 51 ohm resistor across pins 4 and 17. Note: pin 4 has no electrical connection.
6. Place the new IC in the socket. Install the board in the unit.
7. Connect power cable to unit. Press TEST and run SELF-TEST 5. This will allow the unit to run HISTOGRAM until a failure occurs. If no failures, button-up unit.