S E R V I C E   N O T E

SUPERSEDES: 3588A-03

3588A Spectrum Analyzer

Serial Numbers: 3005A00100 / 3005A00924

Firmware revision history

Performed By: Agilent-Qualified Personnel

Parts Required:

Part No.	Description	Qty	
35672-69587	A87 Memory	1	or
35672-69588	A88 Expanded Memory	1	

Note:

There are two versions of the Memory board, 35672-69587 and 35672-69588. The A88 assembly is installed in instruments with option 003.

Continued

DATE: 30 January 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION AVAILABLE

ACTION CATEGORY:	**AGREEABLE TIME**	■ PERFORMANCE ENHANCEMENT ☐ SERVICE/RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ■ SERVICE CENTER	AVAILABLE UNTIL: 30 January 1994
AUTHOR: DWH	ENTITY: A100	ADDITIONAL INFORMATION:

Agilent Technologies

Situation:
Instruments with firmware revision A.00.01 may manifest one or more of the following problems, which were fixed in revision A.00.03:

- Does not power-up after saving an "auto-state" file.
- Hangs during remote operation
- Returns extra limit segment when dumping over GP-IB bus.
- Auto-state reference level is not retained after power-up.
- Offset marker position on display is inconsistent with reading.
- Marker time read-out is inconsistent with trace data.
- Data scaling is inconsistent when saving and recalling traces in data registers.
- Fault Log incorrectly reports "Hardware Failure" when an external reference signal is persistently changing.
- Unexpected sweep occurs when in manually armed sweep mode.

Firmware revision A.00.05 has been released which is now the only revision available beginning with date code 3230 of the A87 and A88 boards. This new revision has the following enhancements and fixes.

- Limit testing can be used with all instrument modes.
- Input termination will not change state during auto cal.
- Time/date function accuracy improved.
- E72 Disc Not Found message no longer displayed at power up in instruments will option 004 (delete disc drive option)
- Marker functions will return a value when queried via GP-IB when functions are turned off.
- Counter function is accurate with wide spans when the signal is at the upper frequency limit.
- The input range displayed has been corrected for the 1 Megohm input impedance with a reference impendence not equal to 50 ohms.

Solution:
To determine the firmware revision installed in the instrument press the following keys:

      [Spcl Fctn]
           [   ] (second softkey from bottom)
      -99
      [   ] (second softkey from bottom)
      [SERVICE FUNCTIONS]
      [FAULT LOG]
      [VERSION]

Replace the Memory board using the disassembly/assembly instructions in the 3588A Service Manual, Section II Replaceable Parts.