

8561B-22

S E R V I C E N O T E

SUPERSEDES: None

HP 8561B Portable Spectrum Analyzer

Serials Numbers: 0000A00000 / 9999A99999

Duplicate Service Notes:

8560A-20
8561A-32
8562A-64
8562B-62
8563A-17

CRT second anode discharge procedure

To be Performed by: HP-Qualified Personnel or Customer

Parts Required: None

Situation:

Discharging the second anode of the display CRT directly to ground can cause damage to the A17 CRT Driver assembly. The damage can cause blooming of the graticule line due to overstress to A17CR1 and A17CR21. The problem may not manifest itself immediately. Initial damage to the diodes may not be severe enough at first, but they can degrade with time, resulting in a latent failure.

Continued

DATE: 07 October 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
INFORMATION ONLY		
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
GPB	5300	

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Solution/Action:

Observe the following procedure when discharging the second anode.

1. Make sure that the instrument's power cord is connected to the instrument and to a grounded mains receptacle.
2. Connect an HP 34111A High Voltage Probe to a DMM. Attach the probe's alligator clip to the instrument chassis.
3. Insert the probe tip underneath the rubber protective cap of the second anode connector and make contact with the second anode.
4. Maintain contact for at least 30 seconds. The DMM should read less than 5 volts (5mV with the probe division).
5. Complete the discharge by directly grounding the second anode.