

S E R V I C E N O T E

SUPERSEDES: 8770A-24

8770A Arbitrary Wave Synthesizer

Serial Numbers: 0000A00000 / 3105A00919

Modification of the Line Voltage Operating Range**To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

Part No.	Qty	Description
08770-600721	1	Retrofit Kit

The 08770-60072 retrofit kit consists of the following parts.

Part No.	Qty	Description
08770-69019	1	Restored 0950-1748 P/S
08770-90047	1	Operating Manual 8770A
86791-80007	1	Label - Info
86791-80008	1	Label - Info
86791-90018	1	Manual Change Package
E2500-90022	1	Manual Change Package
E2500-90023	1	Manual Change Package
E2500-90024	1	Manual Change Package
E2500-90025	1	Manual Change Package

Continued

DATE: 01 December 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☐ IMMEDIATELY ☒ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: Labor 1.5 hrs	
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☒ ON-SITE ☒ SERVICE CENTER	SERVICE INVENTORY: ☐ RETURN ☐ SCRAP ☒ SEE TEXT	USED PARTS: ☐ RETURN ☐ SCRAP ☒ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		RESPONSIBLE UNTIL: 0400 UNTIL: 01 December 1993
AUTHOR: DGS	ENTITY: 0400		ADDITIONAL INFORMATION:



Situation:

During Class “B” testing of the E2500B Frequency Agile Signal Simulator, it was determined that certain tested power line conditions were causing the switching power supply used in the 8770A Arbitrary Wave Synthesizer to have a non-recoverable failure.

This condition has been corrected with a Revision to the existing switching power supply and the line voltage operating range has been changed to the following specifications.

For the 8770A Arbitrary Wave Synthesizer (AWS) switching power supply changed to Rev. “M”:

New Specification: 90-126/198-253 VAC
@ 48-66 Hz

Old Specifications: 90-126.5 VAC @ 60 Hz
90-100V/198-250V @ 50 Hz

Solution/Action:

Replace the switching power supply only if the 8770A Arbitrary Wave Synthesizer would be restricted in its operation because of the limits imposed by the old specifications listed in the above text.

The retrofit kit contains manual update information for the 8770A and the E2500A/B, discard any manual updates not directly related to the 8770A Arbitrary Wave Synthesizer.

The latest revision of the switching power supply (part number 0950-1748 or restored part number 08770-69019) may be identified by looking for the following silk screened information “PEC 3959 REV M” or later on the side panel of the power supply.

Once the power supply has been changed, it will be necessary to remove any cautionary voltage label and fuse labels from the rear panel of the 8770A that specified the limited operating range listed in the beginning text of this service note. Refer to figure 1 for the location of those labels.

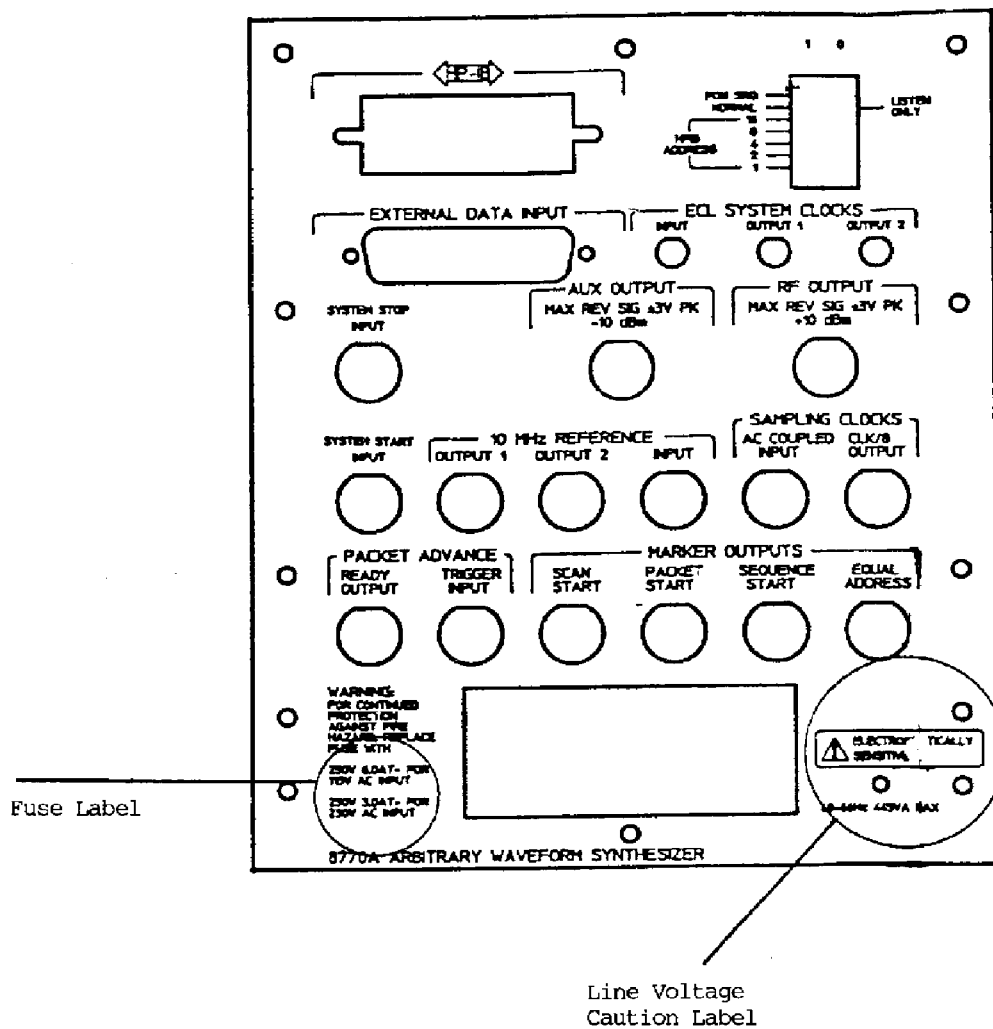


Figure 1. HP 8770A Cautionary Label Locations