

S E R V I C E N O T E

SUPERSEDES: E2500A-7A

E2500A Frequency Agile Signal Simulator (8791 Model 11)

Serial Numbers: 0000A00000 / 3109A00157

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

Part No.	Qty.	Description
08770-60072	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 Hours	
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		AGILENT RESPONSIBLE 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 86791A Agile Carrier Synthesizer to have a non-recoverable failure.

This condition has been corrected with a Revision to the existing switching power supply (Part Number 0950-1748) and the line voltage operating range has been changed to the following specifications:

Below are the Specifications for the E2500B FASS System:

New Specifications: 90-124/198-248 VAC
@ 48-66 Hz
1760VA Maximum

Old Specifications: 90-124V, 60 Hz
90-110V/198-243V, 50 Hz
1760VA Maximum

Below are the specifications for the 86791A Agile Carrier Synthesizer (ACS):

New Specifications: 90-126/198-253 VAC
@ 48-66 Hz
480VA Maximum

Old Specifications: 90-124V, 60 Hz
90-110V/198-243V, 50 Hz
480VA Maximum

Solution/Action:

The switching power supply should only be replaced and the labels installed if the FASS system would be restricted in its operation because of the limits imposed by the old specifications listed above.

If the E2500B FASS System needs to be updated to the REV “M” or later revision power supply, order the above kit (part number 08770-60072). The kit contains the 08770-69019 power supply, labels for placement on the rear of the 86791A Agile Carrier Synthesizer, and related manual update packages for the customer’s FASS manuals.

The retrofit kit contains manual update information for the 8770A or the E2500A/B. Discard any manual update material not directly related to the E2500.

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.

Refer to Figure 1 for placement/location of the labels part number 86791-80007 and 86791-80008.

Once the power supply has been changed, it will be necessary to remove the cautionary voltage label from the rear door of the system cabinet that specified the limited operating range. Refer to Figure 2 for the location of the cautionary voltage label on the system cabinet rear door.

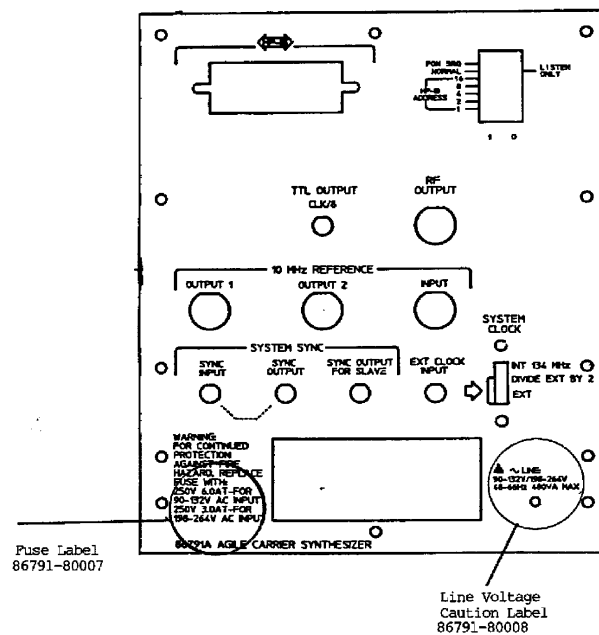


Figure 1. Label Location for 86791A Agile Carrier Synthesizer

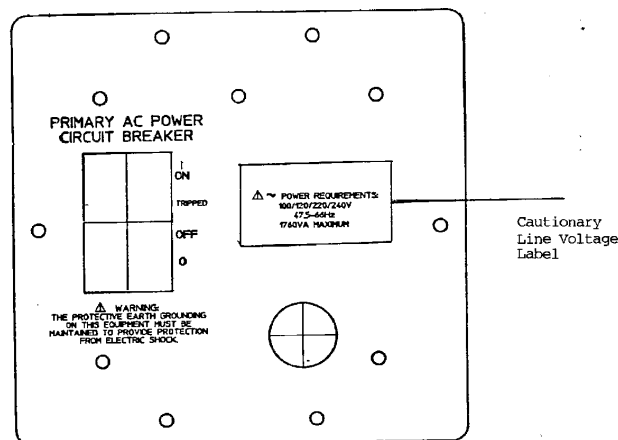


Figure 2. Rear Door Cautionary Line Voltage Label Location