

S E R V I C E N O T E

SUPERSEDES: NONE

8560E Portable Spectrum Analyzer

Serial Numbers: 0000A00000 / 3350A00767

Modifying A6 power supply to be compatible with A15 assemblies**To Be Performed By:** Agilent-Qualified Personnel, Customer**Duplicate Service Notes:** None**Situation:**

The 600MHz oscillator on earlier A15 RF assemblies employed a SAW resonator. This design was changed to use a 100MHz crystal oscillator and multiply its output by six to obtain a 600MHz signal. The newer design relies more heavily on the +15 volt supply coming from the A6 power supply. This extra loading of the +15 volt supply can cause the supply to approach the foldback mode, especially if the analyzer is an option 002 (built-in tracking generator).

Solution/Action:

If the analyzer contains part numbers 08563-60020, 08563-69020, 08563-60064 or 08563-69064 for A6, the A6 power supply needs to be modified to be able to supply the additional current required for the A15 RF assemblies. Instruments with the A15 assemblies listed will need to have the A6 assemblies modified when the A15 boards are changed to any later part number.

Continued

DATE: 07 March 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR: GPB	ENTITY: 5300	ADDITIONAL INFORMATION:
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Standard Instruments:	08563-60016, 08563-60036, 08563-69036, 08563-60044, 08563-69044
Option 103 Instruments:	08563-60010, 08563-60035, 08563-69035, 08563-60043, 08563-69043, 08563-60045, 08563-69045
Option 008 Instruments:	08563-60046, 08563-69046

Resistor A6R309 needs to be changed from 0.15 ohms to 0.12 ohms. Kits have been set up to replace the A15 assemblies listed above. Kit part numbers are 5063-0670 for standard instruments (OCXO and no Sig ID), 5063-0671 for option 103 units, and 5063-0672 for option 008 only instruments. In addition, the necessary parts and installation note are structured to the Rebuilt Exchange A15 boards.

Table 1: Contents of 5063-0670, 5063-0671 and 5063-0672 Kits

Part Number	Description	Qty
08563-60054 (5063-0670)	A15 Standard	1
08563-60055 (5063-0671)	A15 TCXO	
08563-60056 (5063-0672)	A15 Sig ID	
9320-5325	Label	1
0811-2616	Resistor, 0.12 Ohm	1
5962-5033	Installation Note	1