

8566A-26

S E R V I C E N O T E

SUPERSEDES: None

HP 8566A Spectrum Analyzer HP 85660A RF Section

Serial Numbers: 85660A RF Section serial numbers 0000A00000 / 2416A03405

Exceptions: None

Repair and replacement of A5A2 Rotary Pulse Generator

To Be Performed By: HP-Qualified Personnel or Customer

Parts Required:

Part No.	Description
See text	RPG Lamp
0960-0684	A5A2 Rotary Pulse Generator
85660-60215	A5A1 Keyboard Assembly
See text	A12 Front Panel Interface

Situation / Solution:

The A5A2 Rotary Pulse generator (RPG) used in 85660A spectrum analyzer RF sections with serial number prefix 2416A and below has been obsoleted. The RPG, HP part number 5060-0329, should be repaired at component level whenever possible. Most RPG failures are easily remedied by replacing the RPG lamp, HP part number 2140-0016. The small incandescent lamp is soldered into place and is accessed by removing the RPG rear cover.

Continued

DATE: 09 December 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
BS	5300	

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The former A5A2 RPG has been replaced by HP part number 0960- 0684. This latest RPG includes an LED light source for improved reliability. Other mechanical and electrical differences between the two RPGs required changes to be made to the A5A1 Keyboard assembly and the A12 Front Panel Interface Assembly. To install the latest RPG in 8566A spectrum analyzer RF sections with serial prefix 2416A and below, both the A5A1 Keyboard Assembly and the A12 Front Panel Interface must also be replaced.

There are two part numbers for the A12 Front Panel Interface Assembly. The part number of the A10A6 PLL2 Phase Detector Assembly determines which of the two A12 assemblies is needed. The A10A6 Phase Detector was modified because the instrument would not display a PLL2 UNLOCK message in frequency span 0 Hz. The A10A6 assembly was renumbered 85660-60276, and CR15 was removed from the A12 Front Panel Interface Assembly to correct the problem. The A12 Front Panel Interface Assembly part number also changed.

The following table summarizes the A12 / A6A10 compatibility issues:

A12 Front Panel Interface (if A10A6 PLL2 is 85660-60254 or prior)	85660-60242
A12 Front Panel Interface (if A10A6 PLL2 is 85660-60276)	85660-60285

Note:

The A12 Front Panel Interface and A5A1 Front Panel assembly for the 8566A are not compatible with the 8566B.