

# 8561B-01E

## S E R V I C E N O T E

SUPERSEDES: 8561B-01D

### HP 8561B Portable Spectrum Analyzer

**Serial Numbers:** 0000A00000 / 9999A99999

**Duplicate Service Notes:**

8560A-01E  
8563A-02C

### Firmware Upgrade Kit

**To Be Performed By:** Customer or HP-Qualified Personnel

**Parts Required:**

ROM Upgrade Kits, HP part number 5063-0270 or 5063-0271. RAM Kit, HP part number 5062-7714 may also be required.

**Situation:**

Later versions of instrument firmware sometimes are implemented to improve instrument performance and reliability.

*Continued*

DATE: 13 July 1992

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
<b>MODIFICATION AVAILABLE</b>		
ACTION CATEGORY:	AGREEABLE TIME	<input checked="" type="checkbox"/> PERFORMANCE ENHANCEMENT <input type="checkbox"/> SERVICE/RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	AVAILABLE UNTIL: Support Life
AUTHOR: GPB	ENTITY: 5300	ADDITIONAL INFORMATION:

**Solution/Action:**

Two firmware upgrade kits have been set up for HP 8560A, 8561B and 8563A Portable Spectrum Analyzers. The kits contain the latest revision of instrument firmware and the applicable installation notes; Table 1a and 1b list the contents of these kits. Table 2 lists the ROM part numbers for each revision of firmware. The date code is displayed in the format YYMMDD.

An additional kit is required for the HP 8560A and 8561B Spectrum Analyzers which contain A2 Controller Assemblies with HP part number 08560-60013. The kit adds the additional RAM necessary for firmware revisions 890930 or later. Table 3 lists the contents of this kit.

**Table 1a: ROM Upgrade Kit, AC Log Amp, HP Part Number 5063-0271**

For analyzers with serial prefix:

3204A and below for HP8560A

3204A and below for HP8561B

3207A and below for HP8563A

Description	Qty.
UVEPROM, Programmed A2U306	1
UVEPROM, Programmed A2U307	1
UVEPROM, Programmed A2U308	1
UVEPROM, Programmed A2U309	1
Installation Note	1

**Table 1b: ROM Upgrade Kit, DC Log Amp, HP Part Number 5063-0270**

For analyzers with serial prefix:

3207A and above for HP8560A

3206A and above for HP8561B

3216A and above for HP8563A

Description	Qty.
UVEPROM, Programmed A2U306	1
UVEPROM, Programmed A2U307	1
Installation Note	1

**Table 2: Firmware Revisions and ROM Part Numbers**

Date Code	U306	U307	U308	U309
920504 (Rev.H)	08563-80041	08563-80040	NA	NA
920504 (Rev.H)	08563-80043	08563-80042	08563-80044	08563-80045
920122 (Rev.G)	08563-80026	08563-80027	NA	NA
911108 (Rev.F)	08563-80016	08563-80017	08563-80018	08563-80019
900301 (Rev.E)	08563-80006	08563-80007	08563-80008	08563-80009
891201 (Rev.D)	08560-80023	08560-80024	08560-80025	08560-80026
890930 (Rev.C)	08563-80002	08563-80003	08563-80004	08560-80005
890720 (Rev.B)	08560-80015	08560-80016	08560-80017	08560-80018
890704 (Rev.A)	08560-80002	08560-80003	08560-80004	08560-80005

**Table 3. Firmware Revision History**

Revision	Reason
890720	Compatible with HP85620A Rev. B
890930	Compatible with HP8563A & HP11974 series mixers
891201	Firmware and hardware corrections
900301	New commands, 3 & 6dB Bandwidths under MEAS/USER
911108	Correct MEAS UNCAL bug in autocouple, add ACP
920122	For DC Log Amp only. Uses 2 2MBit ROMs
920504	Correct 0.5V/GHz output for external mixing

**Table 4. RAM Expansion Kit, HP Part Number 5062-7714**

HP Part Number	Description	Qty.
1818-4686	A2U303/A2U304 32Kx8 RAM	2
1820-5497	A2U305 IC, Counter	1
1855-0522	A2Q304 Transistor, FET	1
0757-0465	A2R306 Resistor MF 100K	1
9320-5784	A2MP8 Label, "08563-60002"	1
5958-7141	Installation Note	1