

S E R V I C E N O T E

SUPERSEDES: NONE

HP 8563E Portable Spectrum Analyzer

Serial Numbers: 3436A02642 / 3632A005657

Duplicate Service Notes: 8560E-15, 8561E-12, 8562E-02, 8564E-10, 8565E-10

Intermittent Error 335 Sampler Unlock

To be Performed By: HP Qualified Personnel

Parts Required:

Qty.	HP P/N	Description
1	0160-4535	1uf 50V Ceramic Capacitor
1	0698-7403	1.28K 0.1% 0.12W Resistor
1	0698-8547	4K 0.5% 0.1W Resistor

Situation:

An Error 334 Sampler Unlock can appear for up to 40 seconds when the spectrum analyzer start frequency is changed in such a way that the Sampler Oscillator on A15 is changed from its highest frequency of 297.222MHz to its lowest frequency of 285MHz. (One way to do this is to change the start frequency from 1531.3MHz to 2156.3MHz.)

Solution:

Change A15C435 from 0.1uf to 1uf, A15R441 from 31.6K to 4K, and A15R442 from 10K to 1.28K. Note that these components are surface mount and must be handled in the proper manner.

DATE: March 1997

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 1.5 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: GPB	ENTITY: 5320	HP RESPONSIBLE UNTIL: March 1999	
		ADDITIONAL INFORMATION:	