								8920A-04		
S	E	R	V	<u> </u>	С	Ε	Ν	Ο	Т	Е
		SUPERSEDES								
	HP 8920A RF Communications Test Set									
	Serial Numbers: 3010A00226/3123A00305									
	Modification to Resolve Low Sensitivity Problem of Antenna Input									
-	Parts Required:									
	08920-69004, Exchange Assembly, A23 Input Section									
	Situation									
	A problem has been noted in the A23 Input Section assembly which causes the over- power protection circuitry on the Antenna Input to randomly trigger. This opens a relay in series with the Antenna Input which causes a drop in the measured signal level of 20 dB. Instruments with firmware revision A.05.01 or later will detect this condition and issue a two-tone beep and display the following message on the CRT: "ANT IN OVERPOWER. REDUCE INPUT POWER AND PUSH MEAS RESET." Pressing the MEAS RESET key will reset this condition, but the next random trigger will initiate another overpower detection sequence. NOTE: Earlier versions of firmware will not indicate to the user that an overpower condition has been detected									
	and trigg	ered.	multute	to the		an overpe		has beer	i detecte	a
									Con	linued
							DATE: 26 N	lay 1992		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASS	SIFICATION:				
	MODIFICATION	RECON	IMEND	ED	
ACTION CATEGORY:	IMMEDIATELY ON SPECIFIED FAILURE AGREEABLE TIME	STANDARDS: LABOR 2.0 Hours			
LOCATION CATEGORY:	CUSTOMER INSTALLABLE	SERVICE INVENTORY:	RETURN	USED PARTS:	RETURN
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	HP RESPONSIE	BLE UNTIL: 1 July	1997	
AUTHOR: L.H.L.	ENTITY: 1000	ADDITIONAL INFORMATION: Utilize standard SMO Exchange Assembly process.			
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The following instruments are affected by this problem:

8920A Serial Numbers

3010A00226 3010A00233-235 3010A00237-246 3119A00247-268 3119A00270-279 3123A00280-282 3123A00285 3123A00287-295 3123A00297 3123A00300 3123A00303-305

Solution/Action

The A23 Input Assembly has been redesigned to solve this problem. Replace the A23 Input Assembly with an exchange assembly (see Parts Required). Chapter 10 of the 8920A Assembly Level Repair Manual contains removal and installation instructions for the A23 assembly. Re-calibration of the instrument is not required.

Check the date code on the A23 assembly before implementing this Service Note. Only A23 assemblies with date codes 3049A, 3118A, 3120A, 3123A and 3124A have this problem. The date code is located on a label attached to the assembly's aluminum housing. Refer to the figure below to identify the date Code:

| ||| || || ||||| ||| ||| |||| << Bar Code S1000DS XXXX (004-YYYY) MADE IN USA \ / Module Date Code

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