

8920A-01

S E R V I C E N O T E

SUPERSEDES None

HP 8920A RF Communications Test Set

Serial Numbers: 3110A00233/3123A00401 (see exclusions in text)

Power Supply Could Fail and Emit Smoke

Parts Required:

HP Part No.	Description
08920-69110	Power Supply (Exchange Assembly)

Situation:

A problem was found in the A9 Power Supply assembly which can cause it to fail. The failure mechanism causes several parts in the power supply to become hot enough to smoke, but there is no possibility of fire. This problem is limited to the serial number range specified above. However, not all instruments in this serial number range have the problem. The power supply date code (inside the instrument) must be examined to determine if a particular instrument could be affected by this problem. Power supplies with the affected date code must be replaced. Not all power supplies with the affected date codes will fail, but there is no way to further limit susceptibility.

Continued

DATE: 01 October 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input checked="" type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 2.0 Hours
LOCATION CATEGORY:	<input checked="" 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 type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: GLS	ENTITY: 1000	RESPONSIBLE ENTITY: 1000	UNTIL: 01 October 1993
		ADDITIONAL INFORMATION:	

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NOTE

Certain instruments in the serial number range above were retrofit with a new power supply before being shipped. These instrument have the new power supply and do NOT have to be checked:

3123A00269	3123A00361	3123A00382
3123A00396	3123A00349	3123A00362
3123A00383	3123A00399	3123A00350
3123A00370	3123A00384	3123A00400
3123A00351	3123A00373	3123A00385
3123A00356	3123A00378	3123A00386
3123A00357	3123A00379	3123A00387
3123A00358	3123A00380	3123A00388
3123A00359	3123A00381	3123A00389

Solution/Action:

The HP8920A Assembly Level Repair (ALR) Manual (HP part number 08920-90036) contains assembly and disassembly procedures for the instrument.

To determine if an instrument in the above serial number range has a power supply which could be affected by this problem do the following:

1. Remove the outer cover of the instrument.
- 2 Check the date code of the power supply. View the power supply from the bottom of the instrument. On a large square capacitor near the rear on the power supply ther is a label with information printed on it. The date code is printed after the word, "DATE".
3. If the date code is 9114, 9117 or 9118, the power supply could fail so it should be replaced. Follow the instructions in the next section to replace the power supply. If the date code is any other value, the power supply is not affected by this problem so replace the outer cover and return the HP8920 to normal operation.

To replace a power supply with date code 9114, 9117 or 9118 do the following:

1. Order an exchange Power Supply assembly (HP part number 08920-69110).
- 2 Remove the A9 Power Supply assembly from the instrument following the removal instructions in the ALR manual.
- 3 Install the exchange power supply in the instrument following the installation instructions in the ALR manual.
- 4 Return the power supply removed from the instrument in the package provided with the exchange assembly. Fill out the failure information card and state this service note as the reason for changing the power supply.

This completes the repair.