

S E R V I C E N O T E

SUPERSEDES: None

**8920DTS Subscriber Unit Production Test System**

**Serial Numbers:**

3248A02161 / 9999A99999 (8920A RF Communications Test Set)  
 3338A00101 / 3338A00138 (83201B TDMA Cellular Adapter)

**Early Instruments Require Hardware and Firmware Upgrades**

Duplicate Service Notes: None

**Parts Required:**

Part No.	Qty.	Description
0470-0634	1 ea.	Fast-set epoxy adhesive
8150-3431	2 ft.	30AWG insulated wire
08920-61058	1 ea.	8920/8921 Firmware Upgrade Kit (for 8920A)
83201-61800	1 ea.	83201A/B DSP Firmware Upgrade Kit (for 83201B)

**Situation:**

The 8920DTS provides analog and digital communications tests for subscriber units conforming to PDC, PHP and NADC signaling standards. This system is comprised of an 8920A, 83201B and an 83215A RF Interface.

*Continued*

DATE: 21 December 1993

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 2.0 Hour
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input 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: LHL	ENTITY: 1000	AGILENT RESPONSIBLE UNTIL: 01 January 1996	
		ADDITIONAL INFORMATION:	

Early versions of this system (instrument serial numbers noted above) were shipped with prototype firmware. These systems require firmware and hardware (83201B only) upgrades to bring them up to current production standards. These updates are necessary to insure software compatibility and to allow future hardware support.

The hardware modification for the 83201B requires installation of a jumper wire on the A4 Premod Filter Assembly.

**Solution/Action:**

**8920A FIRMWARE MODIFICATION (see Range Identifiers above):**

Check the current firmware revision of the instrument by selecting the CONFIG screen (blue SHIFT key, then the DUPLEX key). The firmware revision is displayed in the upper right hand corner of the CRT. If the firmware revision is A.10.10 or below, install the 8920/21 Firmware Upgrade Kit (see Parts Required). Do not implement this portion of the Service Note if the firmware revision is A.10.11 or above.

**83201B HARDWARE MODIFICATION (Serial Numbers 101-119 ONLY):**

Install a jumper on the A4 Premod Filter Assembly (83201-60108). Route the wire and apply fast-set epoxy as shown in Figure 1.

**83201B FIRMWARE MODIFICATION (Serial Numbers 101-138):**

Check the current Rx and Tx DSP revision dates by using the following procedure (all steps are performed on the 8920A):

- \* Press the PRESET key
- \* Press the CONFIG key (Shift, DUPLEX)
- \* Select To Screen: SERVICE
- \* Select Latch field
- \* Select rx\_dsp\_revision latch
- \* Rx DSP revision date is displayed in the Value field
- \* Select Latch field
- \* Select tx\_dsp\_revision latch
- \* Tx DSP revision date is displayed in the Value field

If the Rx and Tx DSP revision dates are 19931207 or earlier (rev A.00.01), install the 83201A/B Firmware Upgrade Kit (see Parts Required). Do not implement this portion of the Service Note if the Rx and Tx DSP revision dates are 19931208 or later (rev A.01.00).

