

S E R V I C E N O T E

SUPERSEDES: None

**37717A PDH/SDH Test Set**

**Serial Numbers:** 3345U00175, 221, 222, 224, 225, 226, 227, 228, 230, 235

**Incorrect Modification will cause Reduced NVM Battery Life.**

**To Be Performed By:** Agilent-Qualified Personnel

**Parts Required:**

Part No.	Qty.	Description
0698-3155	1	Resistor 4.64kohm
1420-0380	1	Lithium Battery

**Situation:**

A small number of 37717A units have been shipped with a modification on the processor card (37714-60004) done incorrectly. (see above for list of Serial Numbers affected).

Unfortunately this modification as it has been done will cause the battery life to be reduced to approximately 6 months instead of the 3 to 5 years expected life.

*Continued*

DATE: May 1995

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 1.0 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 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: GH	ENTITY: 1400	AGILENT RESPONSIBLE UNTIL: May 1996	
		ADDITIONAL INFORMATION:	

**Solution/Action:**

If any of the above units are encountered, correct the modification by carrying out the following procedure;

1. Switch off the 37717A and disconnect the power cord.
2. Remove the rear panel feet.
3. If Optical Modules are fitted (option UH1 or UH2) unscrew the optical shield from the input and output connectors.
4. Withdraw the outer cabinet sleeve back and out of the instrument.
5. Unscrew the clamp screws securing the SEVEN modules along the righthand side of the instrument.
6. Withdraw all modules (or blanking plates) from the unit using the two knobs to help with removal - if difficult to remove, CAREFULLY lever with a small flathead screwdriver. Place modules SAFELY to one side.

**CAUTION**

Modules must be removed and fitted in the correct sequence to prevent damage. From front to back when removing.  
From back to front when fitting.

7. The last module out is the Processor Module - this is the one to be modified.
8. On the underside (non-component side) of the Processor Assembly, remove the resistor connected between SW1 pin 1 and TP5.
9. Connect a new 4.64kohm resistor (part number 0698-3155) between SW1 pin 1 and U1 pin 7 (U1 is marked with silkscreen near SW1)
10. Replace the NVM Battery with a new one (part number 1420-0380).

**CAUTION**

All customer defined Stored Settings/Panels will be lost when the NVM Battery is removed. The instrument will adopt DEFAULT SETTINGS and perform COLD START when power is re-applied - Check with the User (Operating Manual if in doubt.

**W A R N I N G**

Explosion may result if the terminals of this Lithium Battery are short-circuited. Always follow Agilent guidelines when disposing of lithium batteries. Never incinerate or puncture.

11. Once the new battery is fitted, replace the processor module and all other modules in the correct sequence.
12. Replace the outer cabinet sleeve, optical module shields and rear panel feet - this is a reversal of the removal procedure.

**Testing**

Obtain a pass on all instrument Selftests.

The instrument is now ready for use.