

S E R V I C E N O T E

SUPERSEDES: NONE

37714A PDH/SDH/Jitter Test Set

Serial Numbers: 3345U00120/3345U00127

Incorrect Modification will cause Reduced NVM Battery Life

To be Performed by: Qualified Service Personnel

Parts Required

Description	Part Number	Quantity
Resistor 4.64kohm	0698-3155	1
Lithium Battery	420-0380	1

Situation

A small number of 37714A 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 incorrect modification will cause the battery life to be reduced to approximately 6 months instead of the 3 to 5 years expected life.

Continued

DATE: April 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	IMMEDIATELY ON SPECIFIED FAILURE AGREEABLE TIME	STANDARDS:	LABOR 0.5 Hours	
LOCATION CATEGORY:	CUSTOMER INSTALLABLE ON-SITE SERVICE CENTER	SERVICE INVENTORY:	RETURN SCRAP SEE TEXT	USED PARTS: RETURN SCRAP SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: April 1995		
AUTHOR: DBG	ENTITY: E610	ADDITIONAL INFORMATION:		

Solution/Action

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

Procedure

1. Switch off the 37714A 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. Remove the clamp screws along the top and bottom right-hand side of the chassis which secure blanking plates and modules.
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 flatheaded screwdriver. Ensure you note which slots each module is fitted into - they must be replaced in the same slots when reassembling.

Place modules SAFELY to one side in anti-static bags.

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.

WARNING

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

1. Power on the instrument and check for a valid display.
2. Obtain a pass on all instrument Selftests.

The instrument is now ready for use.