SUPERSEDES: NONE

37714A PDH/SDH/Jitter Test Set

Serial Numbers: N/A

Firmware Revision: Below 3615 (Main)

Upgrading the Instrument Firmware

To be Performed by: Qualified Service Personnel

Parts Required

Description	Part Number	Quantity
Eeprom (A5 U1)	37717-80109	1
Eeprom (A5 U2)	37717-80110	1
Eeprom (A5 U3)	not used	
Eeprom (A5 U4)	not used	
Alarm Overlay Label	37714-00038	1
(Required only if Build Status below 1:11)		

Situation

A number of Firmware revisions have occured in the 37714A. It is recommended that all units with firmware Revision Number below that listed above be upgraded with the new firmware to eliminate a number of minor bugs which are present in earlier versions.

Continued

DATE: January 1996

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: January 1997			
AUTHOR: DBG	ENTITY: E610	ADDITIONAL INFORMATION:			

Agilent Technologies

Checking Firmware Revision

Confirm the Revision of firmware fitted to your instrument as follows;

The FIRMWARE REVISION number appears on one of the [OPTIONS] pages. Access the correct page as follows;

1. Press the OTHER key then [MORE] softkey until softkeys labeled [OPTIONS] are displayed.

2. If an [OPTIONS (Page 2)] softkey is displayed, press this key to display the second Options page. The MAIN and AUX firmware numbers will be displayed at the bottom of this page.

3. If there is no [OPTIONS (Page 2)] softkey, press the [OPTIONS] softkey then select [REMOTE/PRINTER] Options.   The MAIN and AUX firmware numbers will be displayed at the bottom of this page.

4. Check the Main Firmware Revision Number. If this is in the affected range, use the following upgrade procedure to install the new firmware.

Procedure

CAUTION

Suitable anti-static precautions must be observed when handling eeproms. Ensure your work-area conforms to Corporate Standard 741.808.

1. Switch off the 37714A and disconnect the power cord.

2. Remove the two screws securing the ROM Drawer Cover to the CPU Module (see Fig 1 below) and carefully extract this drawer out of the module.

3. Remove eeproms A5 U1, U2 (and U3 and U4 if fitted) from their sockets and replace with the new eeproms.

CAUTION

Take care to insert these eeproms in the correct position Refer to Figure 2.

4. Fit the ROM Drawer Assembly into the instrument, replace the ROM Drawer cover and secure with the two screws.

Perform the next step only if the instrument Build Status is below 1:11. The Build Status label is on the rear panel near the serial plate.

5. Peel the backing strip from the the new self-adhesive Alarm Overlay Label. Carefully align the holes in this label with the alarm leds on the front panel, then press down firmly on the label to secure.
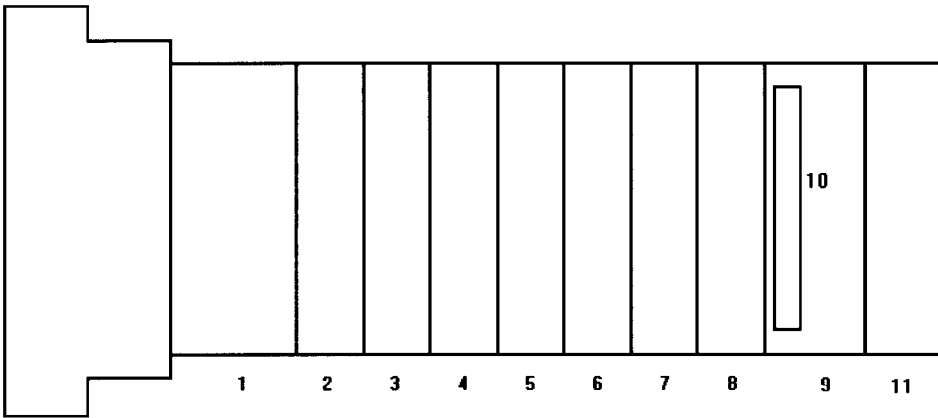
NOTE

Good adhesion of the new label will only be obtained if the front panel is grease-free. Clean with an alcohol solution.

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.

9 .... CPU Module
10...... ROM Drawer
11...... Line Input Assembly
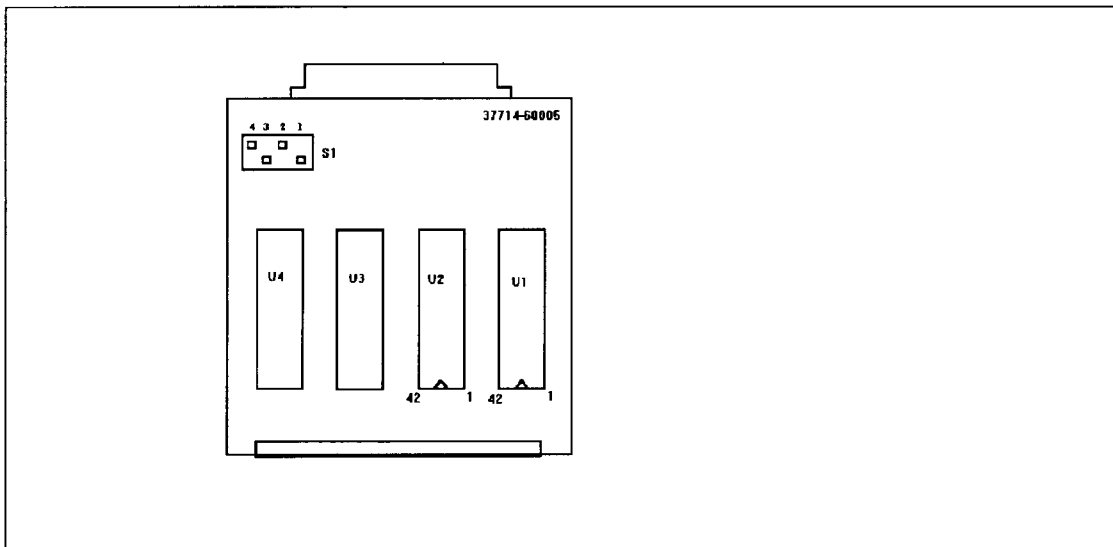
Figure 1 - Location of ROM DRAWER (37714-60005)

Figure 2 Location of eeproms in ROM Drawer.